RICOH UNIVERSITY
Learning ◆ Knowledge ◆ Performance

D135/D136/D137/D138
SERVICE MANUAL

LANIER RICOH savin

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Ricoh Americas Corporation

LEGEND

PRODUCT CODE	COMPANY		
	LANIER	RICOH	SAVIN
D135	MP C6502SP	MP C6502SP	MP C6502SP
D136	MP C8002SP	MP C8002SP	MP C8002SP
D137	Pro C5100S	Pro C5100S	Pro C5100S
D138	Pro C5110S	Pro C5110S	Pro C5110S

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READ THIS FIRST

Important Safety Notices

Prevention of Physical Injury

1. Before disassembling or assembling parts of the copier and peripherals, make sure that the copier power cord is unplugged.
2. The wall outlet should be near the copier and easily accessible.
3. 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.
4. The copier 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 copier starts operation.
5. The inside and the metal parts of the fusing unit become extremely hot while the copier is operating. Be careful to avoid touching those components with your bare hands.

Health Safety Conditions

1. Toner and developer are non-toxic, but if you get either of them in your eyes by accident, it may cause temporary eye discomfort. Immediately wash eyes with plenty of water. If unsuccessful, get medical attention.
2. The copier, which use high voltage power source, can generate ozone gas. High ozone density is harmful to human health. Therefore, the machine must be installed in a well-ventilated room.

Observance of Electrical Safety Standards

The copier and its peripherals must be serviced by a customer service representative who has completed the training course on those models.

⚠WARNING

- Keep the machine away from flammable liquids, gases, and aerosols. A fire or an explosion might occur.

⚠CAUTION

- The Controller board on this machine contains a lithium battery. 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 batteries in accordance with the manufacturer's instructions and local regulations.
- The optional fax and memory expansion units contain lithium batteries, which can explode if replaced incorrectly. Replace only with the same or an equivalent type recommended by the manufacturer. Do not recharge or burn the batteries. Used batteries must be handled in accordance with local regulations.

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, the maintenance unit which includes developer or the organic photoconductor 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.

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.

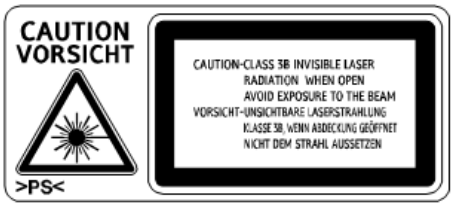
⚠WARNING

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

⚠WARNING

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

  CAUTION MARKING:



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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.

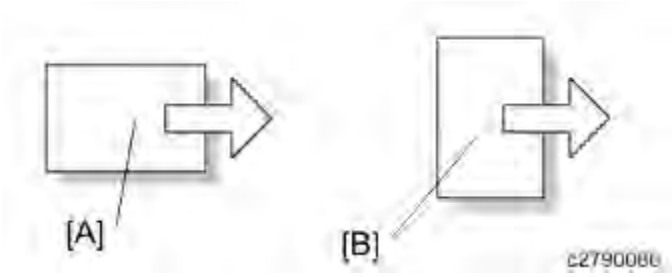
Note

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

Symbols, Abbreviations and Trademarks

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

	See or Refer to
	Clip ring
	Screw
	Connector
	Clamp
	E-ring
SEF	Short Edge Feed
LEF	Long Edge Feed



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

Trademarks

Microsoft®, Windows®, and MS-DOS® are registered trademarks of Microsoft Corporation in the United States and /or other countries.

PostScript® is a registered trademark of Adobe Systems, Incorporated.

PCL® is a registered trademark of Hewlett-Packard Company.

Ethernet® is a registered trademark of Xerox Corporation.

PowerPC® is a registered trademark of International Business Machines Corporation.

Other product names used herein are for identification purposes only and may be trademarks of their respective companies. We disclaim any and all rights involved with those marks.

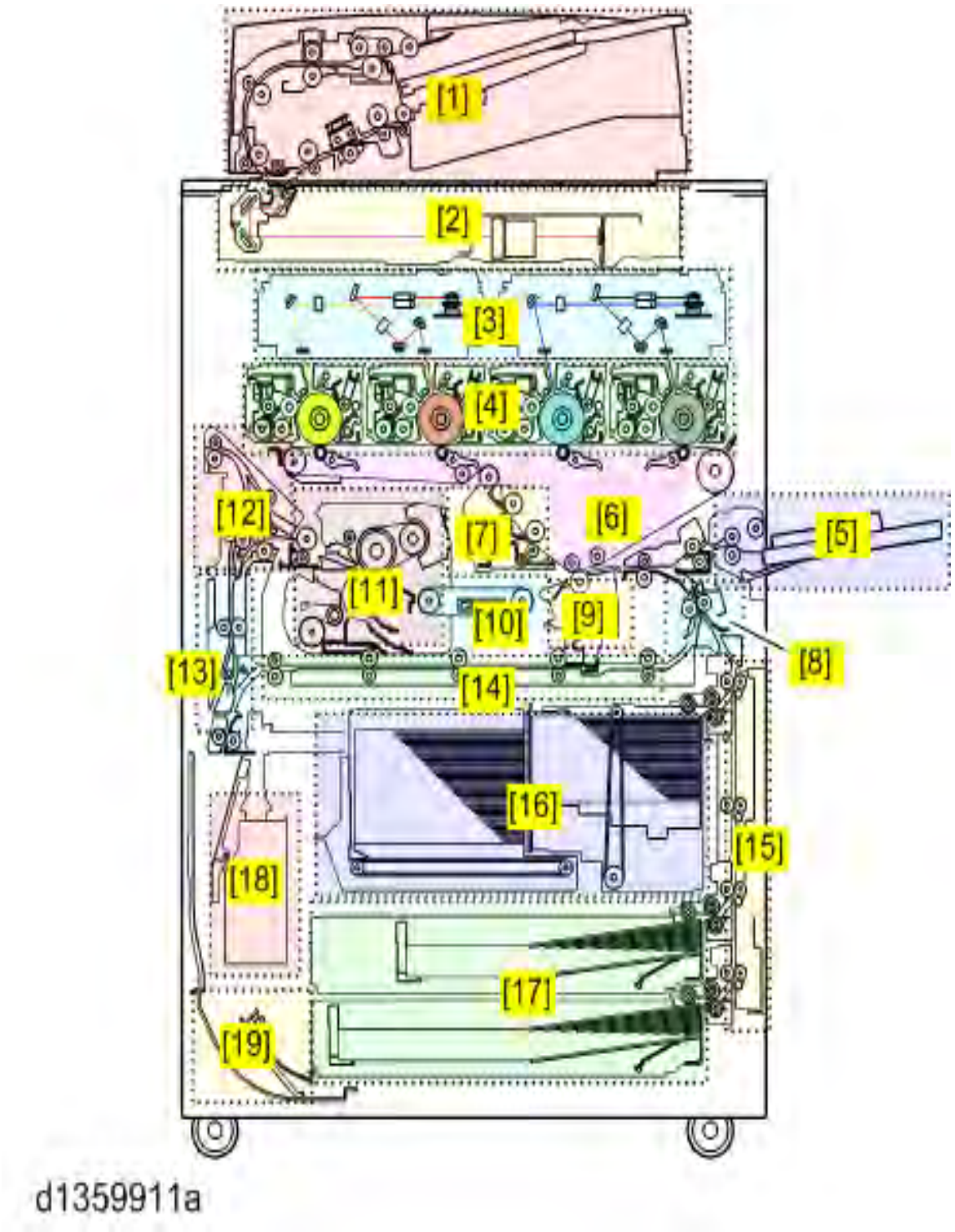
PRODUCT INFORMATION

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

1. PRODUCT INFORMATION

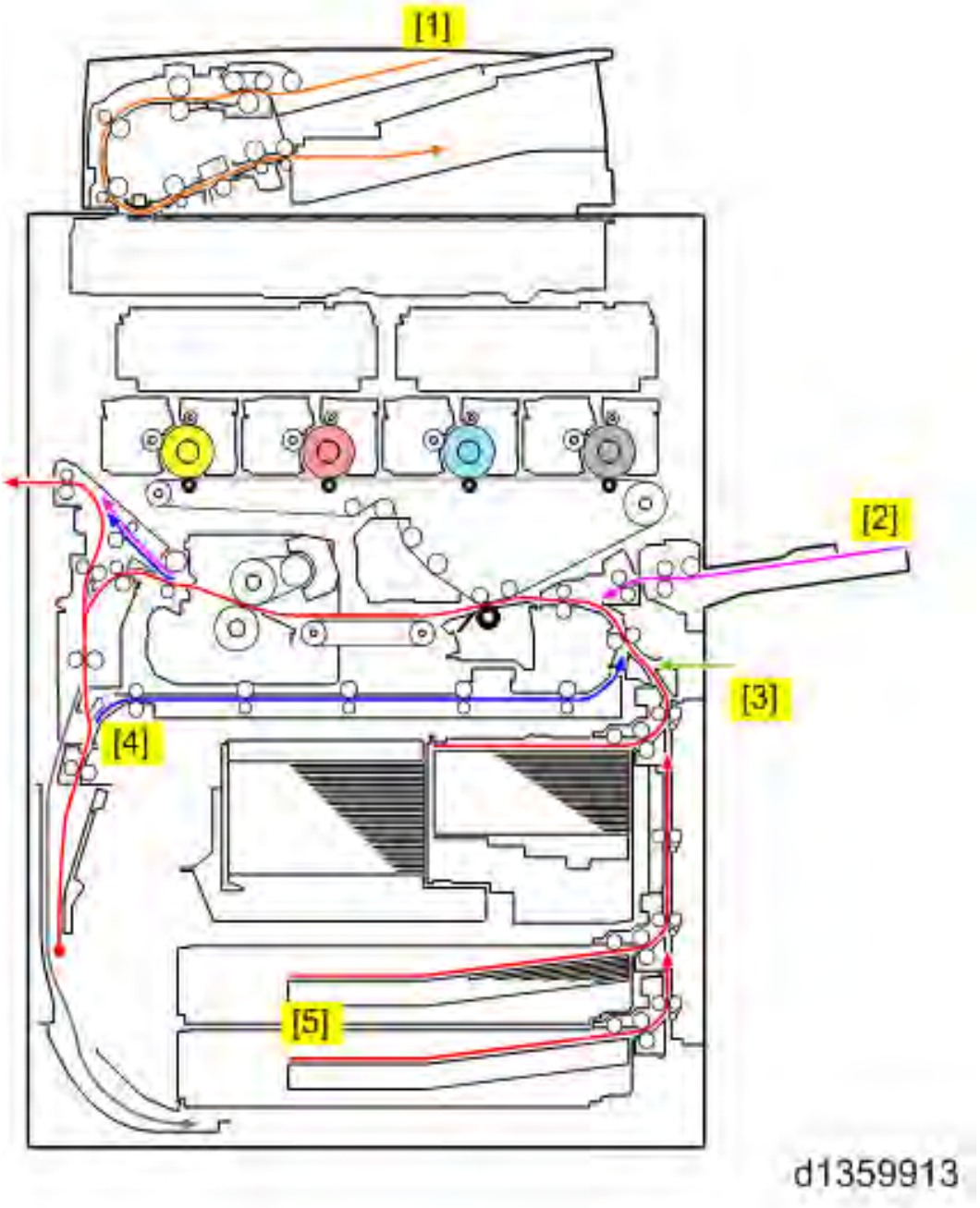
1.1 PRODUCT OVERVIEW

1.1.1 COMPONENT LAYOUT



1. ADF	11. Fusing Unit
2. Scanner Unit	12. Exit Transport
3. Laser Unit	13. Exit Inverter Transport
4. PCDU	14. Duplex Transport
5. Bypass Unit	15. Vertical Transport
6. ITB Unit	16. Tray 1 (Tandem Tray)
7. Belt Cleaning Unit	17. Tray 2, Tray 3 (Universal Tray)
8. Relay Transport	18. Used Toner Collection Bottle
9. PTR Unit	19. Purge Tray
10. PTB Unit	

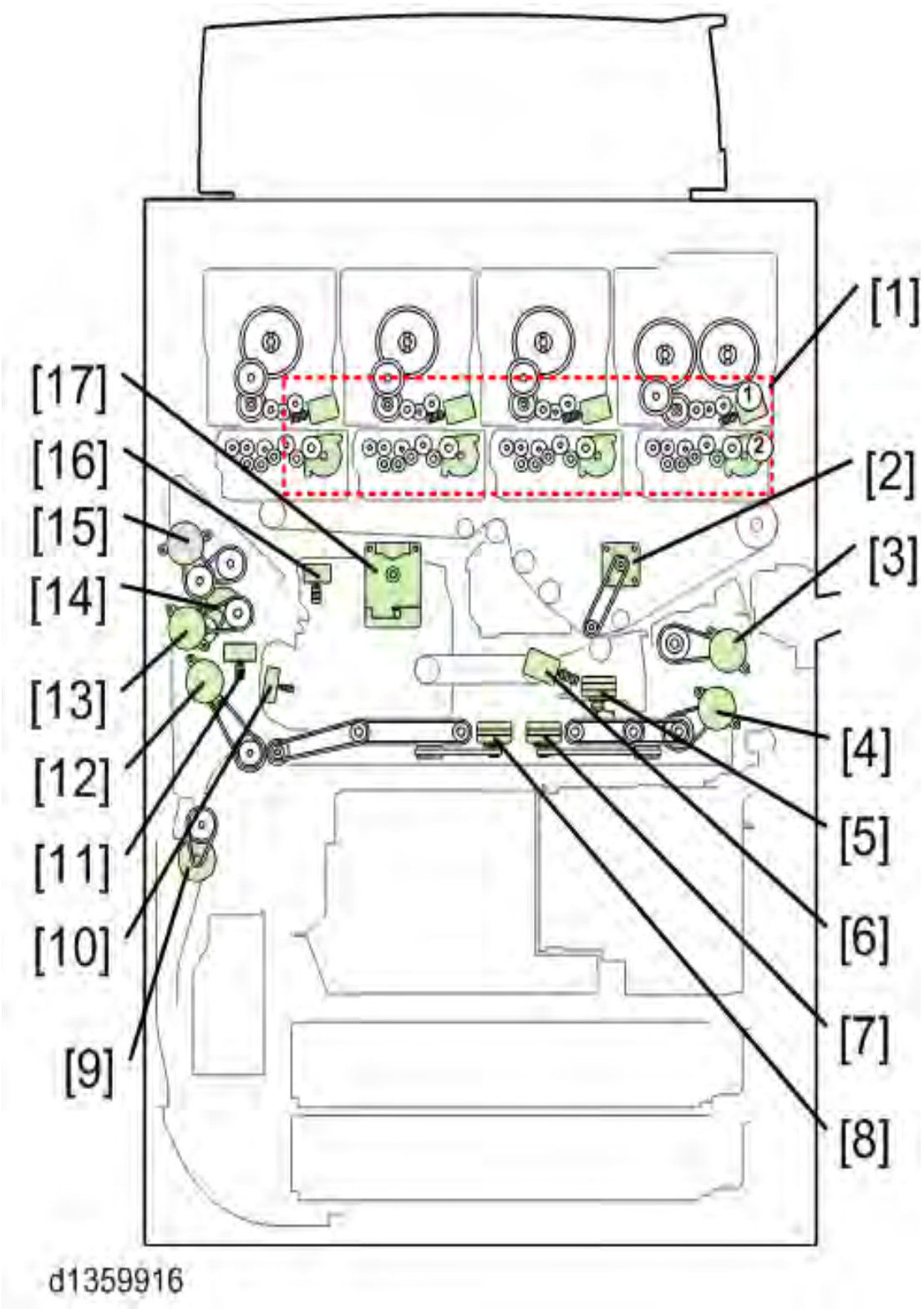
1.1.2 PAPER PATH



1. ADF Transport
2. Bypass Transport
3. LCIT Transport
4. Duplex Transport
5. Simplex Transport

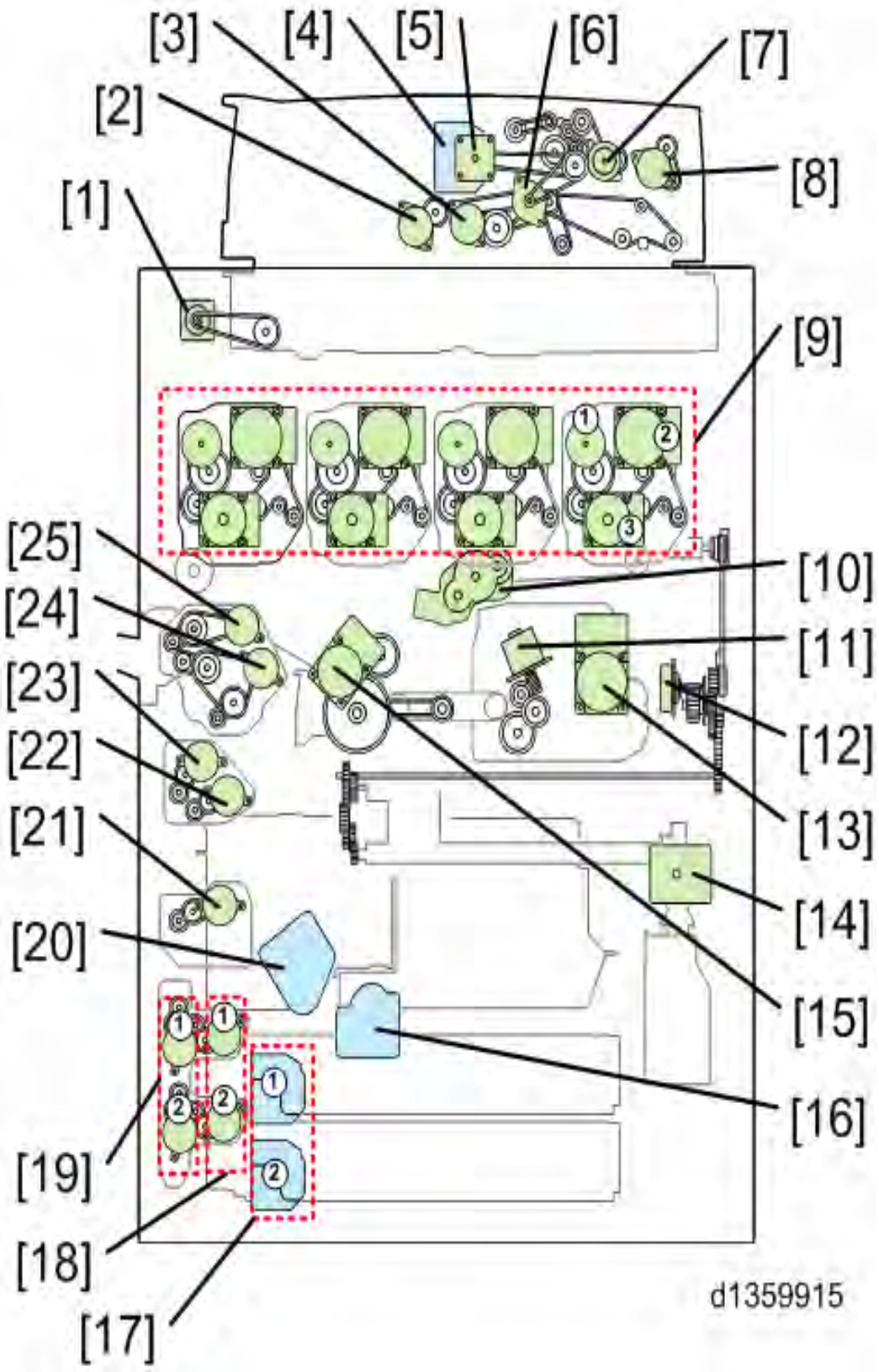
1.1.3 DRIVE LAYOUT

Front View



1. ①: Cartridge Drive Motor ②: Toner Supply Transport Coil Motor	10. Cleaning Web Drive Motor
2. PTR Lift Motor	11. Cleaning Web Contact Motor
3. Registaration Motor	12. Duplex Transport Motor
4. Duplex Exit Motor	13. Inverter Entrance Motor
5. Sensor Shift Motor	14. Inverter Entrance Junction
6. Drawer Lock Motor	15. Exit Motor
7. Roller Shift Motor 2	16. Belt Smoothing Roller Contact Motor
8. Roller Shift Motor 1	17. Fusing Motor
9. Duplex Inverter Motor	

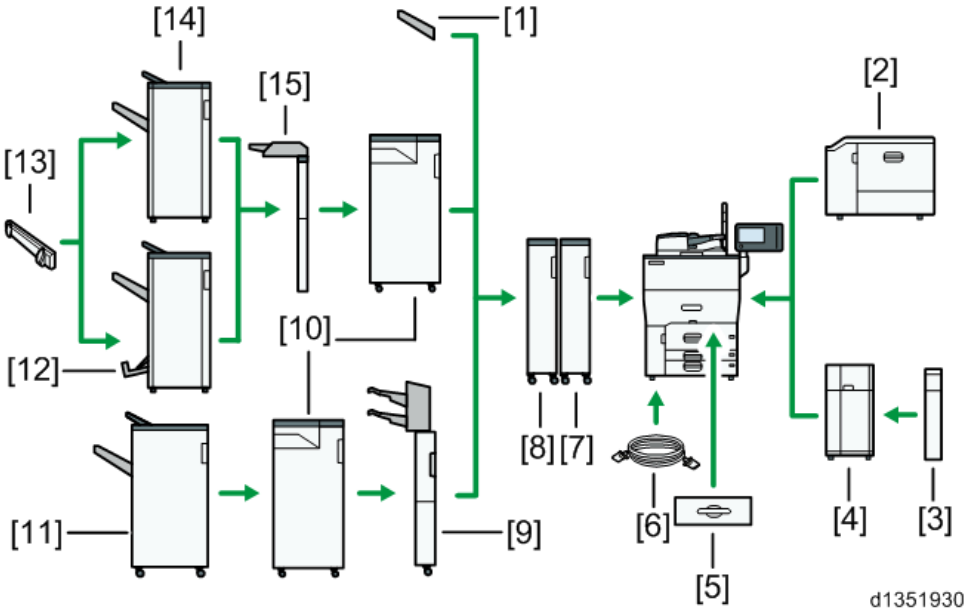
Rear View



1.Scanner Carriage Motor	14. Used Toner Bottle Collection Motor
2. Exit Motor (ADF)	15. PTR Drive Motor
3. Transport Motor (ADF)	16. Rear Fence Drive Motor
4. Tray Lift Motor (ADF)	17. Bottom Plate Lift Motor ①: For Tray 2 ②: For Tray 3
5. Feed Motor (ADF)	18. Feed Motor ①: For Tray 2 ②: For Tray 3
6. Entrance Motor (ADF)	19. Transport Motor ①: For Tray 2 ②: For Tray 3
7. Pick-up Lift Motor (ADF)	20. Tandem Tray Lift Motor
8. Relay Motor (ADF)	21. Relay Transport Motor
9. ①: Drum Cleaning Motor ②: Development Motor ③: Drum Motor	22. Feed Motor (For Tray 1)
10. Image Transfer Roller Lift Motor (Gear Box)	23. Transport Motor (For tray 1)
11. Fusing Contact Motor	24. Bypass/Relay Transport Motor
12. Used Toner Collection Motor	25. Bypass Feed Motor
13. Fusing Drive Motor	

1.2 MACHINE CODES AND PERIPHERALS CONFIGURATION

D137/D138 (Pro Models)

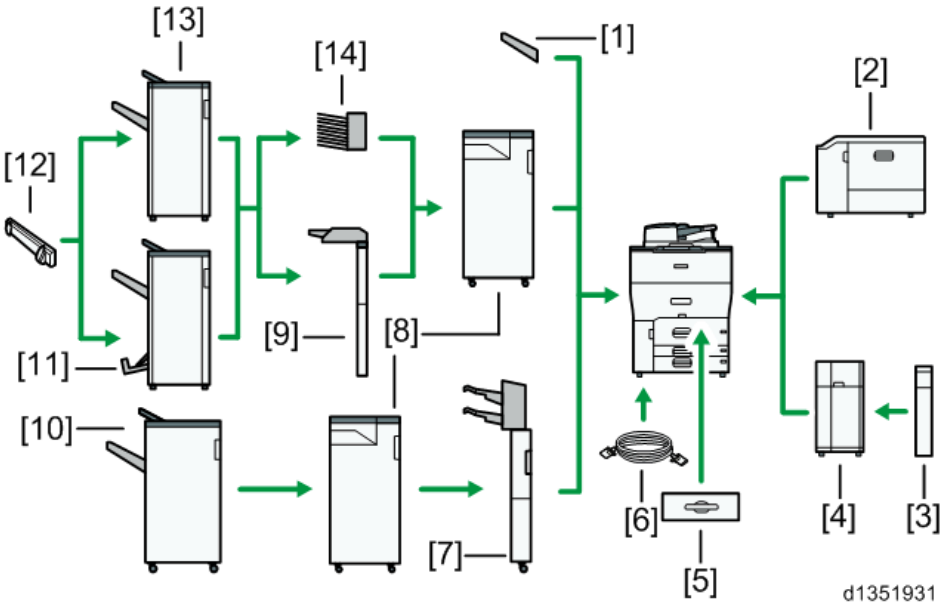


Item	Machine Code	Call out
Finisher SR4090	D703-17 (NA/EU/AP) D703-21(CHN)	[14]
Booklet Finisher SR4100	D704-17 (NA/EU/AP) D704-21 (CHN)	[12]
Output Jogger Unit Type M2	D705-01	[13]
Punch Unit PU3060 NA	D706-00	-
Punch Unit PU3060 EU	D706-01	-
Punch Unit PU3060 SC	D706-02	-
Finisher SR4110	D707-17	[11]
Punch Unit PU5000 NA	B831-01	-
Punch Unit PU5000 EU	B831-02	-
Punch Unit PU5000 SC	B831-03	-

Item	Machine Code	Call out
Copy Tray Type M2	D744-01	[1]
LCIT RT4020	D709-17 (NA/TWN) D709-27 (EU/AP/CHN)	[4]
8 1/2" x 14" Paper Size Tray Type M2	D745-17	[3]
LCIT RT4030	D710-17	[2]
Cover Interposer Tray CI4010	D711-17	[15]
Cover Interposer Tray CI4020	D712-17	[9]
A3/11"x17" Tray Unit Type M2	D749-01	[5]
Tab Sheet Holder Type M2	D750-01	-
Decurl Unit DU5020	D727-17	[7]
Buffer Pass Unit Type 5020	D751-17 (NA) D751-27 (EU/AP/CHN)	[8]
Multi-Folding Unit FD4000	D615-17 (NA/TWN) D615-27 (EU/AP/CHN)	[10]
Waste Toner Bottle MP C8002	D859-01 (NA/EU/AP/CHN) D859-17 (TWN)	-
Optional Counter Interface Unit Type A	B870-11	-
Card Reader Tray Type1075	B498-01	-
Postscript3 Unit Type M2	D719-10 (NA) D719-11 (EU) D719-12 (AP/CHN)	-
IPDS Unit Type M2	D719-15 (NA) D719-16 (EU) D719-17 (AP/CHN)	-
Unicode Font Package for SAP® 1 License	B869-01	-
Unicode Font Package for SAP® 10 License	B869-02	-

Item	Machine Code	Call out
Unicode Font Package for SAP® 100 License	B869-03	-
SD Card for Fonts Type D	D641-54	-
Copy Data Security Unit Type G	D640-41	-
File Format Converter Type E	D377-04	-
IEEE1284 Interface Board Type A	B679-17	-
IEEE802.11a/g/n Unit Type M2	D164-01	-
Bluetooth Interface Unit Type D	D566-01	-
SD card for NetWare printing Type M2	D719-46	-
Browser Unit Type M2	D719-41 (NA) D719-42 (EU) D719-43 (AP/CHN)	-
OCR Unit Type M2	D166-25 (NA) D166-26 (EU) D166-24 (AP/CHN)	-
Copy Connector Type 3260	B328-11	[6]
Color Controller E-42B	D728-02	-
Color Controller E-22B	D729-01(NA) D729-02 (EU/AP/CHN)	-
Fiery Impose	D728-05	-
Fiery Compose	D525-15	-
Fiery Impose-Compose	D729-04	-

D135/D136 (Office Models)



Item	Machine Code	Call out
Finisher SR4090	D703-17 (NA/EU/AP) D703-21 (CHN)	[13]
Booklet Finisher SR4100	D704-17 (NA/EU/AP) D704-21 (CHN)	[11]
Output Jogger Unit Type M2	D705-01	[12]
Punch Unit PU3060 NA	D706-00	-
Punch Unit PU3060 EU	D706-01 (EU/AP) D706-03 (CHN)	-
Punch Unit PU3060 SC	D706-02	-
Finisher SR4110	D707-17	[10]
Punch Unit PU5000 NA	B831-01	-
Punch Unit PU5000 EU	B831-02	-
Punch Unit PU5000 SC	B831-03	-
Mail Box CS4010	D708-17	[14]
Copy Tray Type M2	D744-01	[1]

Item	Machine Code	Call out
LCIT RT4020	D709-17 (EU) D709-27 (NA/AP/CHN)	[4]
8 1/2" x 14" Paper Size Tray Type M2	D745-17	[3]
LCIT RT4030	D710-17	[2]
Cover Interposer Tray CI4010	D711-17	[9]
Cover Interposer Tray CI4020	D712-17	[7]
A3/11"x17" Tray Unit Type M2	D749-01	[5]
Tab Sheet Holder Type M2	D750-01	-
Multi-Folding Unit FD4000	D615-17 (NA) D615-27 (EU/AP/CHN)	[8]
Optional Counter Interface Unit Type A	B870-11	-
Smart Card Reader Built-in Unit Type M2	D739-06	-
Waste Toner Bottle MP C8002	D859-01	
Fax Option Type M2	D718-01 (NA) D718-02 (EU) D718-03 (AP) D718-05 (CHN)	-
G3 Interface Unit Type M2	D718-11 (NA) D718-12 (EU/AP)	-
Memory Unit Type B 32MB	G578-17	-
Fax Connection Unit Type M2	D719-21 (NA) D719-22 (EU) D719-23 (AP/CHN)	-
OCR Unit Type M2	D166-25 (NA) D166-26 (EU) D166-24 (AP/CHN)	-

Item	Machine Code	Call out
Postscript3 Unit Type M2	D719-10 (NA) D719-11 (EU) D719-12 (AP)	-
IPDS Unit Type M2	D719-15 (NA) D719-16 (EU) D719-17 (AP)	-
Unicode Font Package for SAP® 1 License	B869-01	-
Unicode Font Package for SAP® 10 License	B869-02	-
Unicode Font Package for SAP® 100 License	B869-03	-
SD Card for Fonts Type D	D641-54	-
Copy Data Security Unit Type G	D640-41	-
Data Overwrite Security Unit Type H	D377-06	-
File Format Converter Type E	D377-04	-
IEEE1284 Interface Board Type A	B679-17	-
IEEE 802.11a/g/n Interface Unit Type M2	D164-01	-
Bluetooth Interface Unit Type D	D566-01	-
SD card for NetWare printing Type M2	D719-46	-
Browser Unit Type M2	D719-41 (NA) D719-42 (EU) D719-43 (AP/CHN)	-
Copy Connector Type 3260	B328-11	[6]
Color Controller E-22B	D729-01(NA) D729-02 (EU/AP/CHN)	-

1.3 SPECIFICATIONS

See "Appendices" for the following information:

- General Specifications
- Supported Paper Sizes
- Software Accessories
- Optional Equipment

1.4 GUIDANCE FOR THOSE WHO ARE FAMILIAR WITH PREDECESSOR PRODUCTS

1.4.1 NEW FEATURES OF D137/D138 AND D135/D136

Developed Image Quality

Items	Description	D137/D138	D135/D136
New Chemical Toner	The D135/D136/D137/D138 series adopts new chemical toner in order to enhance image quality and meet the demand of higher image quality in commercial printers.	Yes	Yes
VCSEL	The D135/D136/D137/D138 series realizes a high image quality of 1200x4800dpi at a low price compared to Taurus-C1 by the advanced 40 channel VCSEL.	Yes	Yes

Improvement of Banding Issues

Items	Description	D137/D138	D135/D136
PPG Drive (1*)	D135/D136/D137/D138 has new OPC drive technology called PPG-Drive. The combination of PPG-Drive and highly precise drive control can keep OPC rotation stable.	Yes	Yes
CVEC (2*)	CVEC is a technology to keep ITB speed variation stable and reduce color inconsistency. The decentering of the driven shaft can be adjusted by monitoring the differences in outputs from the drive shaft encoder and the driven shaft encoder in the ITB unit.	Yes	Yes
DEMS (3*)	D135/D136/D137/D138 Pro supports DEMS in order to adjust the toner adhesion and banding. When the gap between development roller and OPC drum changes, color inconsistency will occur due to changes in toner adhesion. D135/D136/D137/D138 Pro supports DEMS in order to adjust the toner adhesion.	Yes	No

(1*): Precision Planetary Gear-Drive

(2*):Compensation function of belt speed Variation of Encoder roller Cycle

(3*): Development Electric-field Modulation System

Improvement of the Scratch Mark Issue

Items	Description	D137/D138	D135/D136
Fusing Belt Smoothing Roller	D135/D136/D137/D138 Pro has a new fusing belt smoothing roller to improve the scratch mark issue. This roller gives pressure and rubs against the belt surface to smoothen the rough parts caused by the paper edges.	Yes	No

Improvement of the Toner Dusting Issue

Items	Description	D137/D138	D135/D136
Intake air duct	An intake air duct at the development unit's trough area, which prevents toner from dropping onto the paper	Yes	Yes

Developed Printing Quality of Textured Paper

Items	Description	D137/D138	D135/D136
AC transfer	In order to improve printing quality on textured media, D135/D136/D137/D138 Pro uses AC transfer. This can increase toner transfer to the media by generating better adherence between toner and ITB.	Yes	No
Elastic fusing belt	The elastic fusing belt has a thicker elastic layer to reach the toner on the bottom of textured media and realizes better fusing by providing stable pressure and heat on the media surface.	Yes	No
Solid fusing roller	To keep image quality and performance on heavy coated media, D135/D136/D137/D138 Pro supports solid fusing rollers (same as Pro C751EX series).	Yes	No

Developed User Appliance

Items	Description	D137/D138	D135/D136
Easy Jam Fix	The front cover of the D135/D136/D137/D138 series is like a drawer and operators can directly access the inner unit. LED lights and jam animations appear when the user opens the drawer to fix paper jam.	Yes	Yes
Active Tray Indicator	Each tray has an indicator that will light up when it is feeding paper.	Yes	No
Paper Library	Same as the Pro C901 series and Pro C751EX series, the D135/D136/D137/D138 Pro also has a Paper Library to offer customers easy and simple paper settings on the operation panel.	Yes	No
TCRU	D135/D136/D137/D138 Pro is designed with a TCRU/ORU concept.	Yes	No
Toner Replacement	Toner cartridge replacement during machine operation	Yes	Yes

Controller features

Items	Description	D137/D138	D135/D136
Capturing log	Capture of part of the controller and engine log contents onto an SD card (operation possible from the LCD)	Yes	Yes

INSTALLATION

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
1 ~ 77	4/25/2014	Updated installation
29 ~ 32	10/02/2013	Added Library Data Installation
54 ~ 57	10/23/2013	Finisher SR 7090
54 ~ 61	4/22/2014	Finisher SR4090 (D703) /Finisher SR4100 (D704)
60 ~ 61	10/23/2013	Auxiliary Trays
87 ~ 88	10/24/2013	Updated Finisher SR4110 (D707) Installation.
91	10/24/2013	Updated Finisher SR4110 (D707) Installation.
87 ~ 93	4/22/2014	Updated Finisher SR4110 (D707) Installation.
94 ~ 99	04/17/2014	Updated Punch Unit PU5000 (B831)
100 ~ 106	10/02/2013	Update Copy Tray Type M2 (D744) Installation instructions.
100 ~ 116	2/12/2014	Update Copy Tray Type M2 (D744) Installation instructions.
100 ~ 108	05/20/2014	Update Copy Tray Type M2 (D744) installation instructions.
107 ~ 116	9/26/2013	Decurl Unit DU5020 (D727) (D137/D138 Only)
117 ~ 140	12/13/2013	Buffer Pass Unit Type 5020 (D751) (D137/D138 Only)
132 ~ 140	04/17/2014	Updated Multi-Folding Unit FD4000 (D615)
148 ~ 159	9/25/2013	Added CL4010 Accessory Bracket
150	11/13/2013	Updated step 5 w/ IMPORTANT See 2.13.3
153 ~ 154	11/13/2013	Updated steps 14 and 16 with new style Ground Plate.
158 ~ 159	11/13/2013	Updated Replacing the Guide Plate (2.13.3)
205 ~ 206	10/25/2013	Added How to Disconnect LCIT RT4030 instructions.
213 ~ 219	04/17/2014	Updated A3/11”x17” Tray Unit Type M2 (D749)
268 ~ 269	11/27/2013	Deleted Installation of Data Overwrite Security Unit Type H
276	10/02/2013	Added How to Backup/Restore Custom Paper Library
277 ~ 284	10/02/2013	Added Removing the Retainers of the Charge Roller Units
285 ~ 318	10/21/2013	Added Finisher Paper Cooling Fan Unit Type M2 (D770)

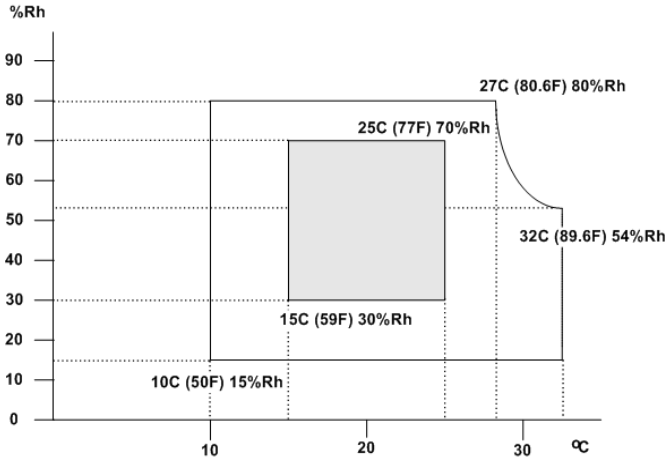
2. INSTALLATION

2.1 INSTALLATION REQUIREMENTS

Important

- Install the machine in a safe place to maintain security.
- Make sure that the operation instructions are kept at the customer's hand.

2.1.1 ENVIRONMENT



Temperature Range:	10°C to 32°C (50°F to 90°F)
Humidity Range:	15% to 80% RH
Ambient Illumination:	Less than 1,500 lux (do not expose to direct sunlight.)
Ventilation:	Room air should turn over at least 30 m3/hr/person
Ambient Dust:	Less than 0.10 mg/m3 (2.7 x 10/6 oz/yd3)

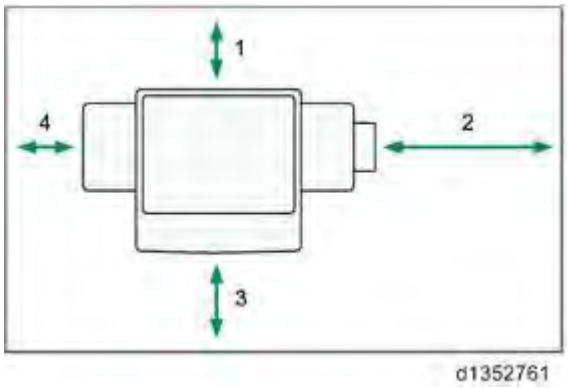
1. Avoid areas exposed to sudden temperature changes:
   1) Areas directly exposed to cool air from an air conditioner.
   2) Areas directly exposed to heat from a heater.
2. Do not place the machine where it will be exposed to corrosive gases.
3. Do not install the machine at any location over 2,000 m (6,500 ft.) above sea level. (D135/D136/D137/D138 for NA can be installed only up to 2,500m (8,200 ft.))
4. Place the main machine on a strong and level base. Inclination on any side should be no more than 5 mm (0.2").
5. Do not place the machine where it may be subjected to strong vibrations.

2.1.2 MINIMUM SPACE REQUIREMENTS

Place the main machine near the power source, providing clearance as shown:

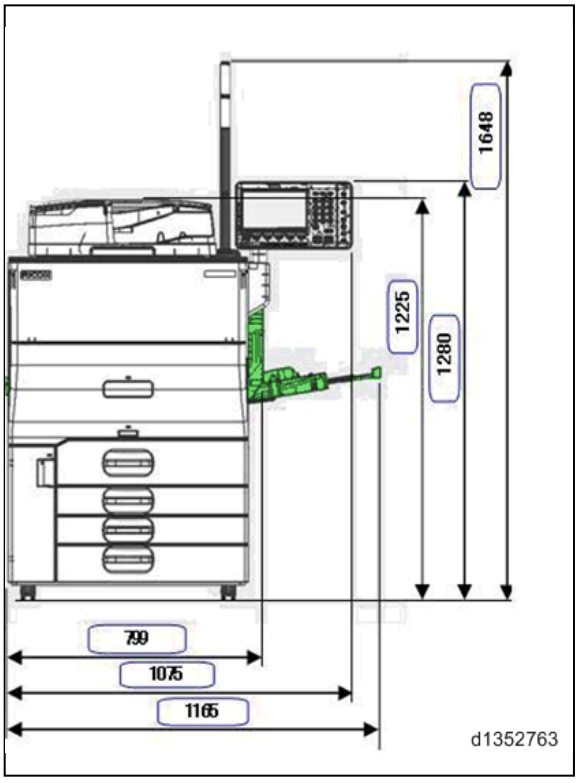
Installation space

The following space is required for the user to use the machine. If you cannot secure this space, then you will not be able to ensure the machine's usability. Make this space to avoid causing damage.

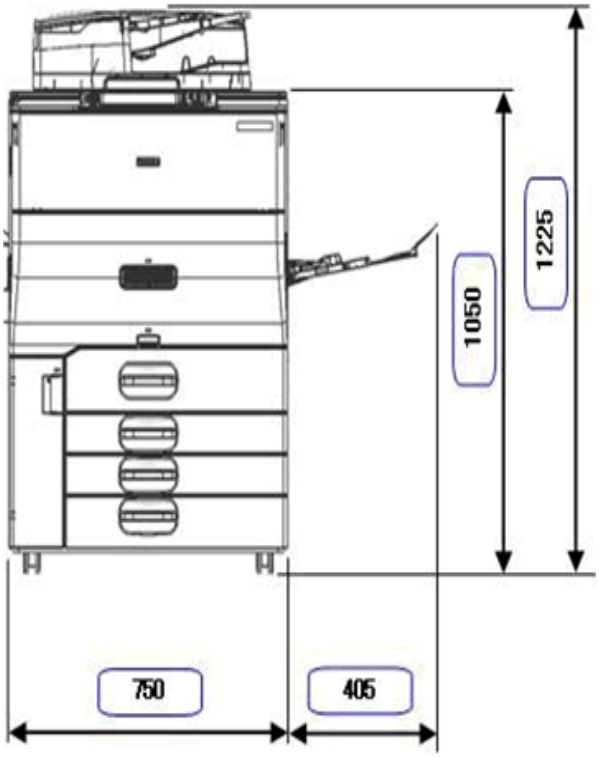


1 Rear	100mm (4")
2 Right	900mm (35.5")
3 Front	400mm (15.7")
4 Left	100mm (4")

2.1.3 DIMENSIONS



D137/D138



D135/D136

2.1.4 POWER REQUIREMENTS

⚠CAUTION

- Make sure that the wall outlet is near the main machine and easily accessible. Make sure the plug is firmly inserted in the outlet.
- Avoid multi-wiring.
- Be sure to ground the machine.
- Never set anything on the power cord.

Input voltage level (D137/D138)

Destination	Model	Power supply voltage	Rated current consumption
NA	D137	208 to 240V	12A
	D138	208 to 240V	12A
EU	D137	220 to 240V	12 to 10A
	D138	220 to 240V	12 to 10A
AP	D137	220 to 240V	12 to 10A
	D138	220 to 240V	12 to 10A
CHN	D137	220 to 240V	12 to 10A
	D138	220 to 240V	12 to 10A

Input voltage level (D135/D136)

Destination	Model	Power supply voltage	Rated current consumption
NA	D135	120 to 127V	16A
	D136	208 to 240V	12A
EU	D135	220 to 240V	12 to 10A
	D136	220 to 240V	12 to 10A
AP	D135	220 to 240V	12 to 10A
	D136	220 to 240V	12 to 10A
CHN	D135	220 to 240V	12 to 10A
	D136	220 to 240V	12 to 10A

2.2 MAIN MACHINE INSTALLATION

2.2.1 SPECIAL TOOLS AND LUBRICANTS

D137/D138

The following special tools should be prepared for maintenance of this model in the field:

Unique or Common:

U: Unique for this model

C: Common with listed

Item	Part Number	Description	Q'ty	Unique or Common
1	D0159501	ZINC STEARATE	1	C (*1)
2	D0159500	G104 YELLOW TONER	1	C (*1)
3	VSSG9002	FLUOTRIBO MG GREASE: 100G	1	C (*2)
4	B6455020	SD Card	1	C(General)
5	B6456705	PCMCIA Card Adapter	1	C (General)

Item	Part Number	Description	Q'ty	Unique or Common
6	G0219350	Loop-back Connector – Parallel	1	C (General)
7	C4019503	20X Magnification Scope	1	C (General)
8	A0929503	C4 Color Test Chart (3 pcs/set)	1	C (General)
9	B6795100	Plug - IEEE1284 Type C	1	C (General)

Note

- These items are common with the following models.
  (*1): Common with D014/D081 series machines.
  (*2): Common with D074 series machines.
- Loop-back Connector [Parallel (item 6)] requires Plug [IEEE1284 Type C (item 9)].
- A PC (Personal Computer) is required for creating the Encryption key file on an SD card when replacing the controller board in which HDD encryption has been enabled.

D135/D136

The following special tools should be prepared for maintenance of this model in the field:

Unique or Common:

U: Unique for this model

C: Common with listed

Item	Part Number	Description	Q'ty	Unique or Common
1	D0159501	ZINC STEARATE	1	C (*1)
2	D0159500	G104 YELLOW TONER	1	C (*1)
3	VSSG9002	FLUOTRIBO MG GREASE : 100G	1	C (*2)
4	B6455020	SD Card	1	C (*4)
5	C4019503	20X Magnification Scope	1	C (*4)
6	A0929503	C4 Color Test Chart (3 pcs/set)	1	C (*4)
7	A2579300	Grease Barrierta – S552R	1	C (*1)
8	A1849501	OPTICS ADJUSTMENT TOOL	2	C (*3)
9	D0747690	BRUSH:BLOWER	1	C (*2)
10	A2579300	GREASE-BARRIERTA S552R	1	C (*4)
11	D0149800	GREASE-KS660B	1	C (*1)
12	A2579100	SILICONE OIL TYPE SS	1	C (*4)
13	VSSA9001	LAUNA OIL 40N	1	C (*4)

Note

- These items are common with the following models.
  (*1): Common with D014/D081 series machines

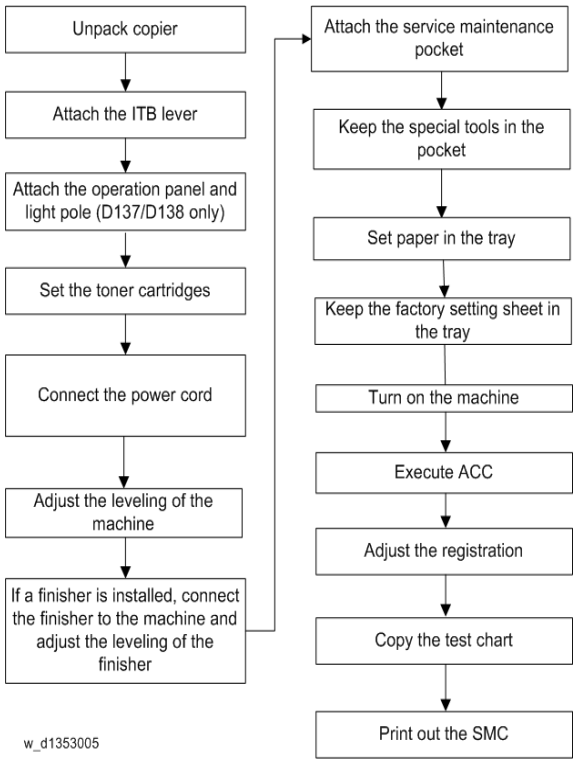
(*2): Common with D074 series machines

(*3): Common with D088/D086 series machines

(*4): General (common with multiple models)

- A PC (Personal Computer) is required for creating the Encryption key file on an SD card when replacing the controller board in which HDD encryption has been enabled.

2.2.2 INSTALLATION FLOW CHART



2.2.3 ACCESSORY CHECK

D137/D138

No	Description	Q'ty	
		D137	D138
1	PCU Pocket	1	1
2	Developer Funnel	1	1
3	Tube Type Lamp	1	1
4	Operation Panel Arm Upper Cover	1	1
5	Operation Panel Arm Cover	1	1
6	Operation Panel Rear Cover	1	1
7	Operation Panel Arm	1	1
8	Screw Cover	5	5
9	Tapping Screw - 3 x 6	24	24
10	Printing Sample	1	1

No	Description	Q'ty	
		D137	D138
11	Paper (White, 100 sheets)	1	1
12	Decal - ADF Paper Set	1	1
13	Leveling Shoes	4	4
14	Decal - Paper Set Direction	3	3
15	Cloth Holder	1	1
16	Cloth - DF Exposure Glass	1	1
17	Rivet - Dia5	2	2
18	Development Cap	1	1
19	Logotype Plate (NA Only)	1	1
20	Decal - Function : Multi Language	1	1
21	Sheet - Logo (NA Only)	1	1
22	Decal - Caution: ADF Paper Set	1	1
-	Sheet - Exposure Glass	1	1
-	Power Supply Cord	1	1
-	Sheet - Application : Multi Language	1	1
-	Sheet - Pro	1	1
-	Sheet - Scanner Protection	1	1
-	Sheet - Safety (EU Only)	1	1
-	Decal - EMC Address (EU Only)	1	1
-	Sheet - TEL Name (CHN Only)	1	1
-	Guarantee (CHN Only)	1	1
-	CD-ROM-Driver	2	2
-	CD-ROM-OI (NA/ AP/TWN Only)	2	2
-	CD-ROM-OI (EU Only)	4	4
-	Sheet - EULA: 20 languages	1	1
-	Seal - Caution: 20 languages	1	1
-	Operation Instructions	4	4
-	Sheet - Security Password	1	1
-	SMC Report	1	1

D137/D138 Accessories

D135/D136

	Description	Q'ty	
		D135	D136
1	PCU Pocket	1	1
2	Developer Funnel	1	1
3	Decal - Paper Size	1	1
4	Decal - Paper Set Direction	3	3
5	Decal - Function : Multi Language	1	1
6	Decal - ADF Paper Set	1	1
7	Leveling Shoes	4	4
8	Cloth - DF Exposure Glass	1	1
9	Cloth Holder	1	1
10	Development Cap	1	1
11	Rivet - Dia5	2	2
12	Logotype Plate (NA/EU/AP/TWN Only)	1	1
13	Sheet - Logo (NA/EU/AP/TWN Only)	1	1
14	Decal - Caution: ADF Paper Set	1	1

	Description	Q'ty	
		D135	D136
15	Decal - Paper Feed (NA/CHN Only)	-	1
16	Decal - Paper Exit (NA/CHN Only)	-	1
17	Decal - Model Name Plate (NA Only)	-	1
-	Power Supply Cord	1	1
-	Sheet - Exposure Glass	1	1
-	Sheet - Application : Multi Language	1	1
-	Decal - Power Supply Cord (NA/CHN Only)	-	1
-	Sheet - Safety (EU Only)	1	1
-	Decal - EMC Address (EU Only)	1	1
-	Sheet - TEL Name (CHN Only)	1	1
-	Guarantee (CHN Only)	1	1
-	SMC Report	1	1
-	Sheet - Scanner Protection	1	1
-	CD-ROM-Driver	2	2
-	CD-ROM-OI (NA/AP/TWN Only)	2	2
-	CD-ROM-OI (EU Only)	4	4
-	Sheet - EULA Sheet: 20 languages	1	1
-	Seal - Caution: 20 languages	1	1
-	Operation Instructions	4	4
-	Sheet - Security Password	1	1

D135/D136
Accessories

2.2.4 INSTALLATION PROCEDURE (D137/D138)

1. Unpack the machine and remove all the wrapping.
2. Remove all filament tape from the machine.

d1350001

3. Open the tandem tray [A] and remove the filament tape at the duplex unit [B].

d1350002

4. Remove the filament tape and the cushion at the ADF.

d1350003

5. Open the ADF [A] and release the lever to open the white board. Then remove the protection sheet.

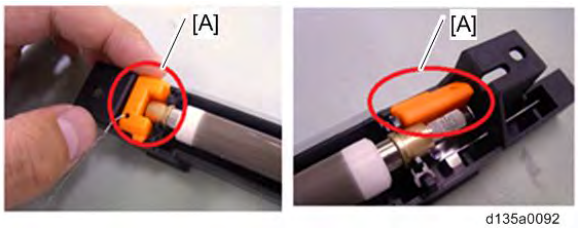
6. Remove the power cable from paper tray 2.

7. Remove the power cable from paper tray 3.

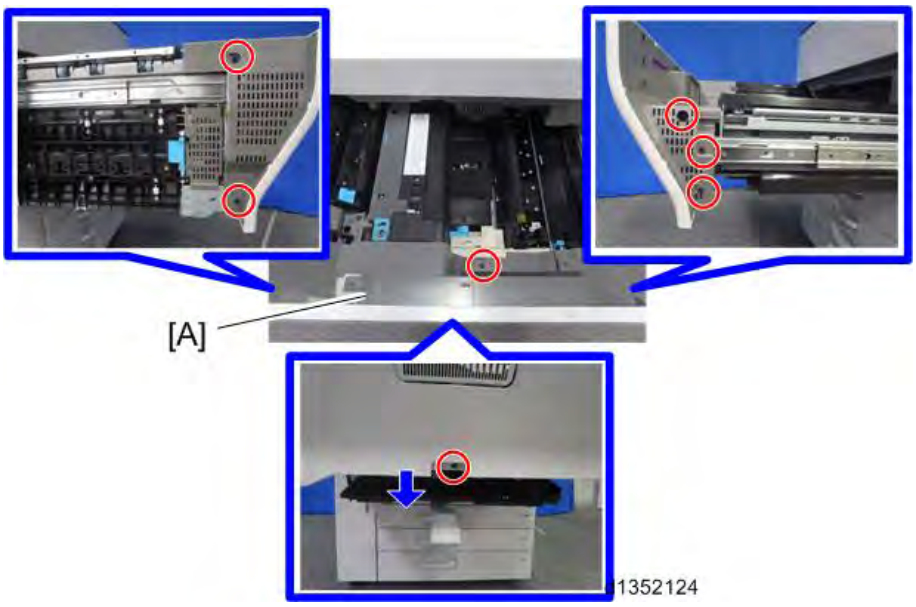
Removing the Retainers of the Charge Roller Units (C, M, K)

The shipping retainers [A] must be removed from the charge roller units (C, M, K).

Note: These retainers is not included in the Yellow (Y) charge roller unit.

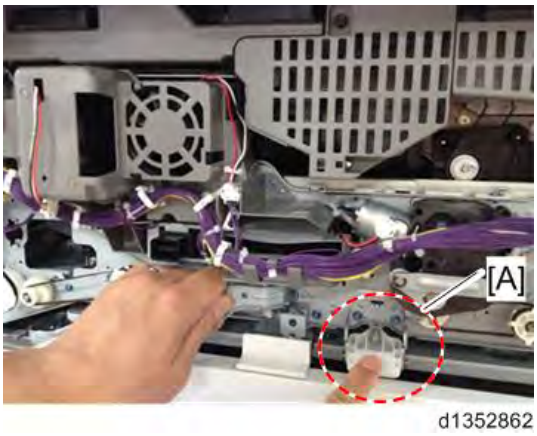


1. Pull out the drawer unit and remove its cover [A] (x7).



Important

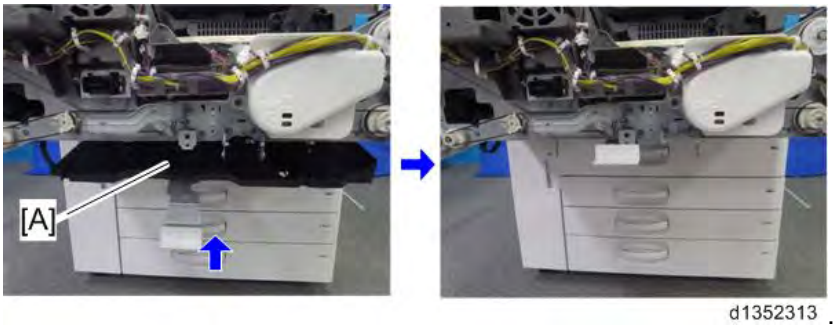
Make sure to hold down the lock lever ([A] in the photo below) when you pull out the unit. (The unit is locked in place by this lever).



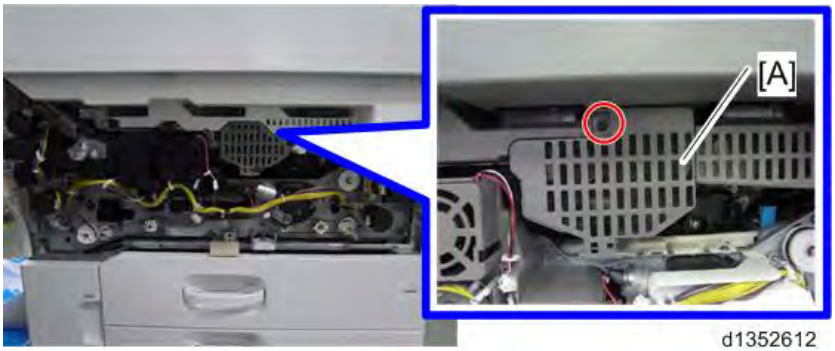
2. Close the drawer unit.

Note

When you push the unit back in to the machine, you can close the guide plate [A] of the paper exit and duplex unit.

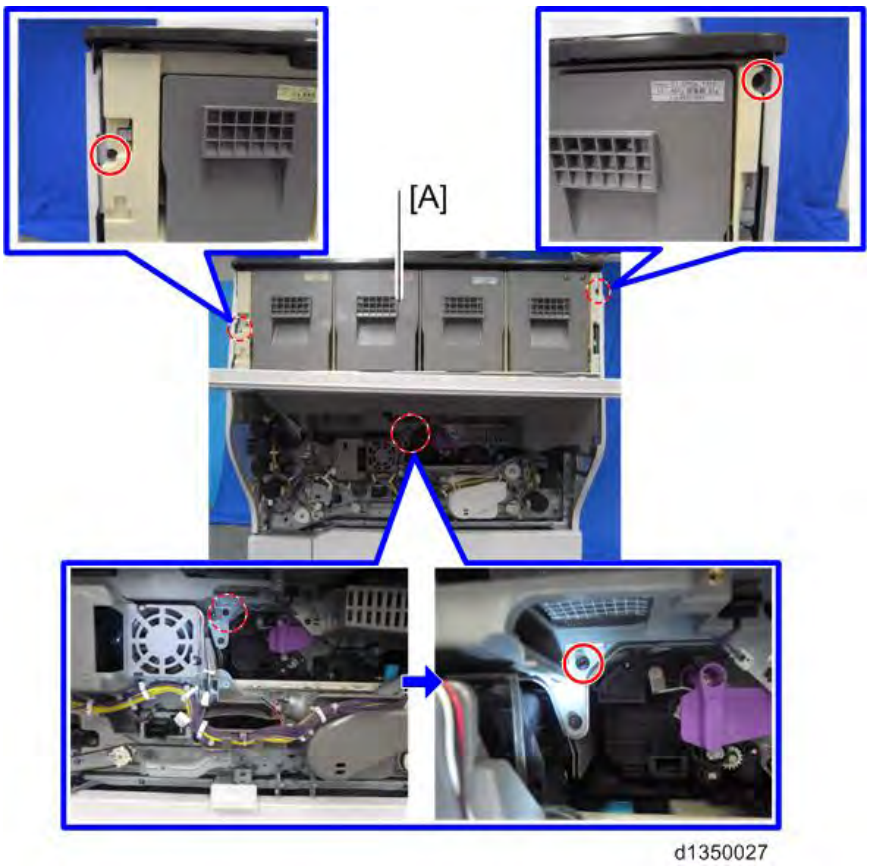


3. Remove the ITB cleaning intake fan [A] together with the duct (x 1).

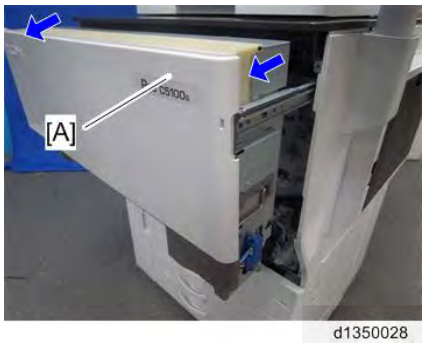


4. Open the front cover of the toner supply unit [A].

5. Remove the fixing screws of the toner supply unit [A] (x 3).

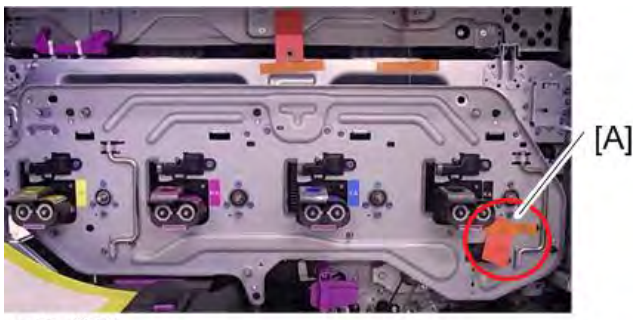


6. Pull out the toner supply unit [A].



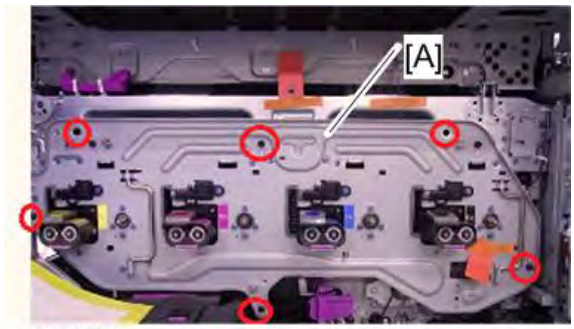
d1350028

7. Remove the toner supply unit [A] (x2).
8. Remove the filament tape [A] from the faceplate.



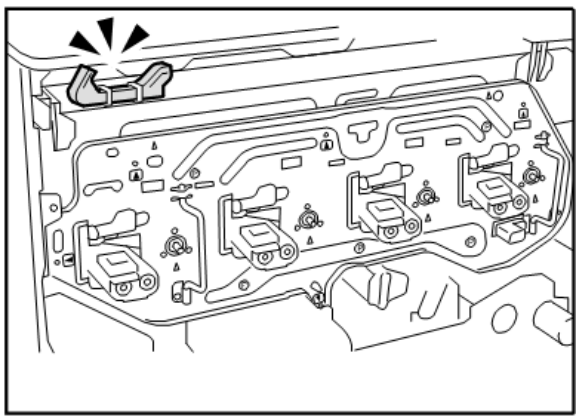
d135a0093

9. Remove the screws fixing the face plate (x6).



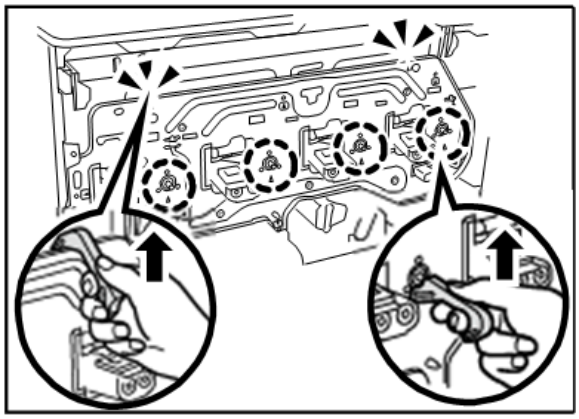
d135a0094

10. Remove the handles.



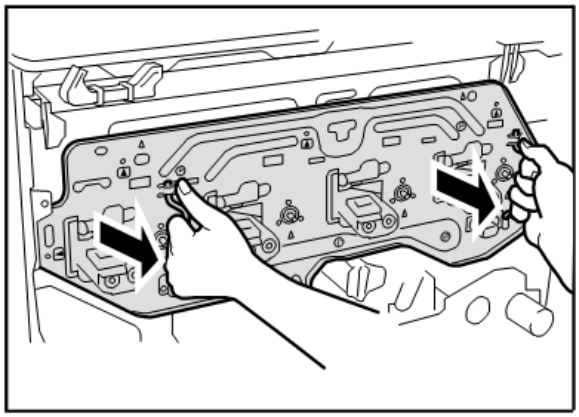
d1352794

11. Attach the handles and pull out the units slowly and evenly.



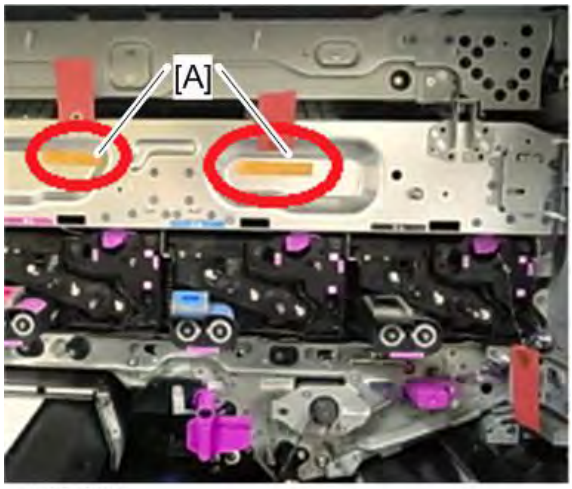
d1352795

12. Hold the grips and remove the face plate.



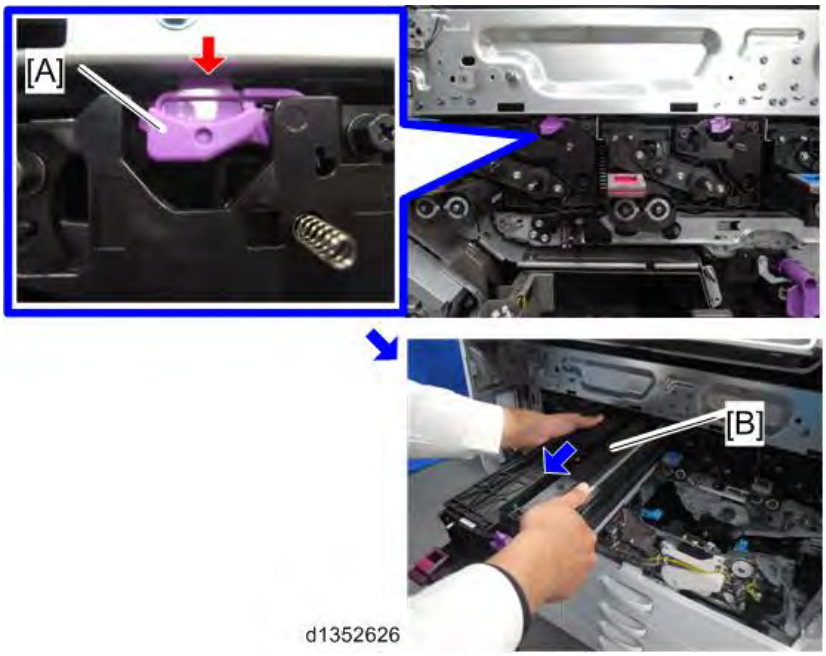
d1352796

13. Remove all filament tape [A] from the Magenta and Cyan units.

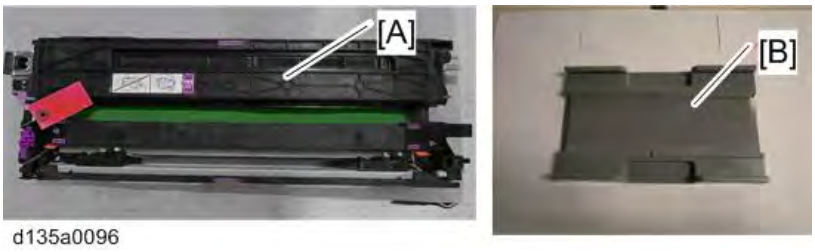


d135a0095

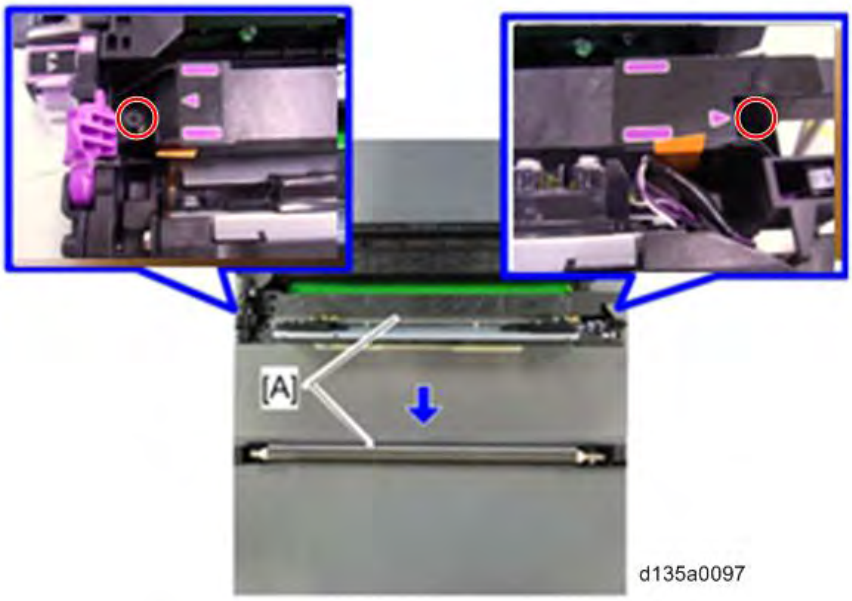
14. Unlock the lever [A] and pull out the PCDU [B] from the machine.



15. Place the PCDU [A] on the PCU stand [B].



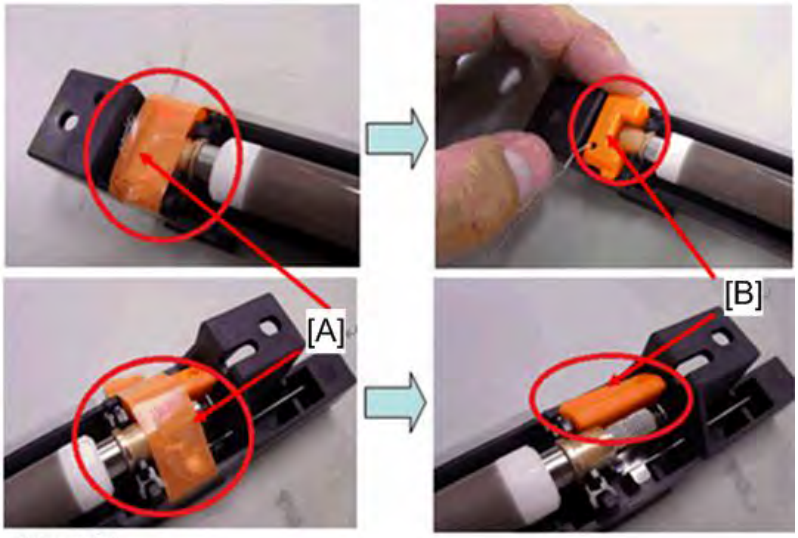
16. Remove the charge roller unit and place it on a clean, flat, and level surface with the roller facing up (x2).



Important

Make sure that the surface is flat and level.

17. Remove the filament tape [A] and retainers [B] from both ends of the charge roller unit.



d135a0098

18. Reattach the charger roller unit and PCDU, and then attach the face plate.

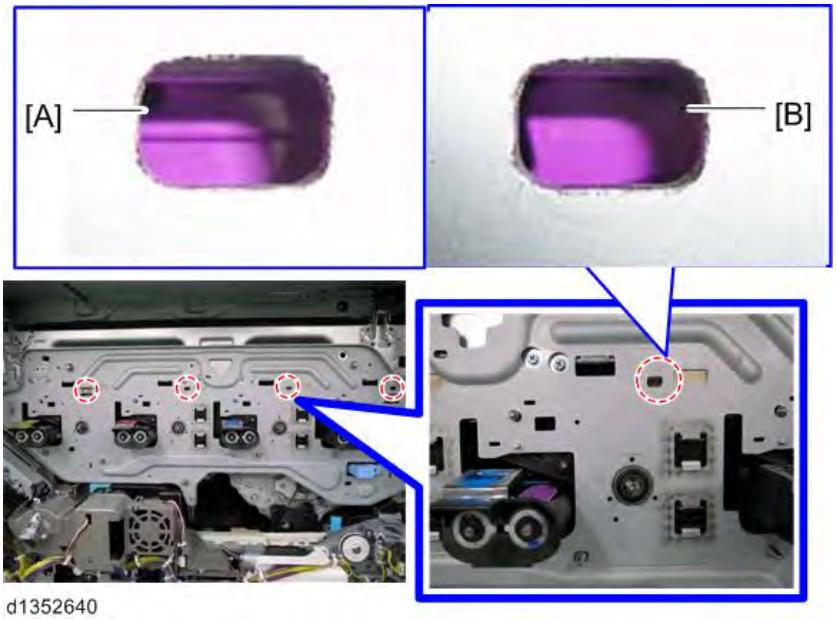
Important

After attaching the face plate, check the status of the locking levers again by looking through the holes as shown.

[A]: The locking lever is properly fit into the hole in the machine frame.

[B]: The locking lever is **not** properly fit into the hole in the machine frame.

d1352628



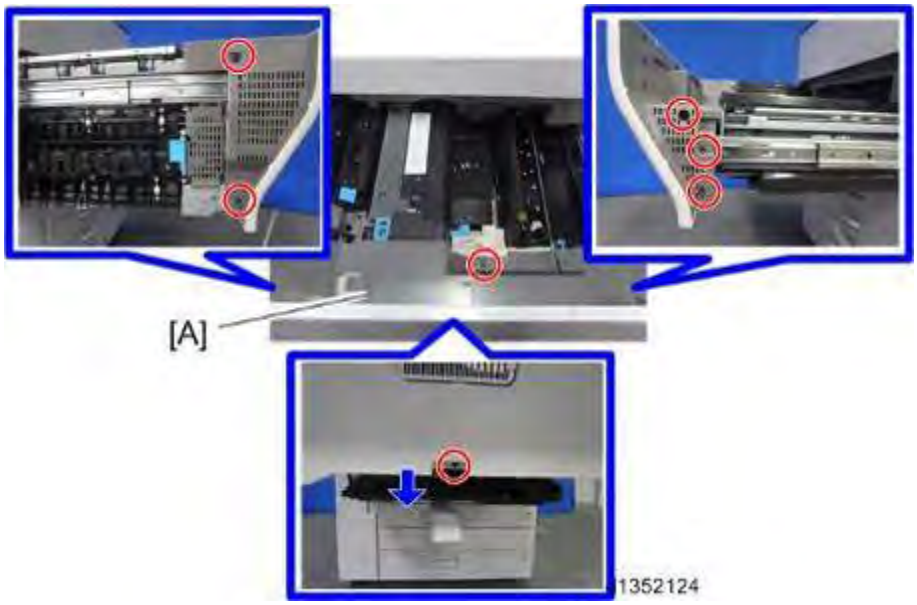
d1352640

Attaching the ITB Separation Lever

When unpacking the machine, the ITB separation lever is not yet attached to the correct location. During machine installation, you must install the lever.

1. Open the drawer unit [A], and remove the ITB separation lever [B].

2. Drawer unit cover [A] (x 7*)



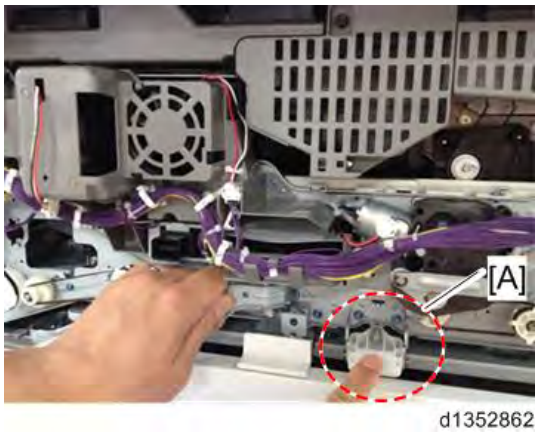
* D137/D138 use TCRU screws

3. Close the drawer unit

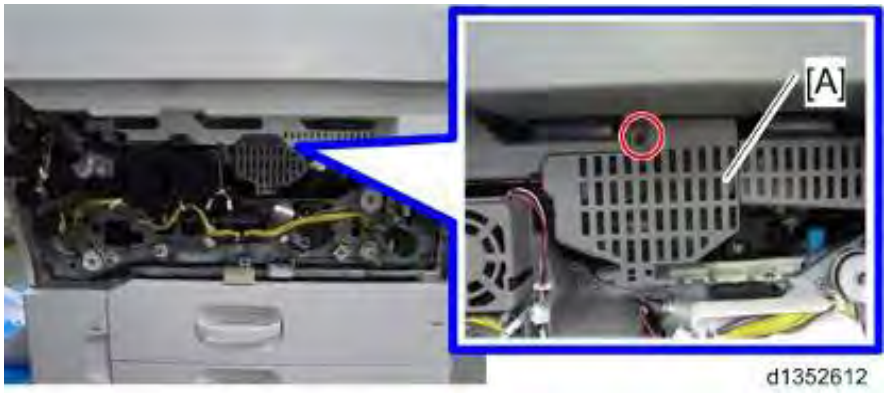
Note

- After removing the drawer unit cover, when the drawer unit is returned to the machine, you can close the guide plate [A] of the paper exit and duplex unit.

When the drawer unit is pushed back into the machine, it is locked in place by the lock lever [A]. (Make sure to hold down this lever whenever pulling out the unit).



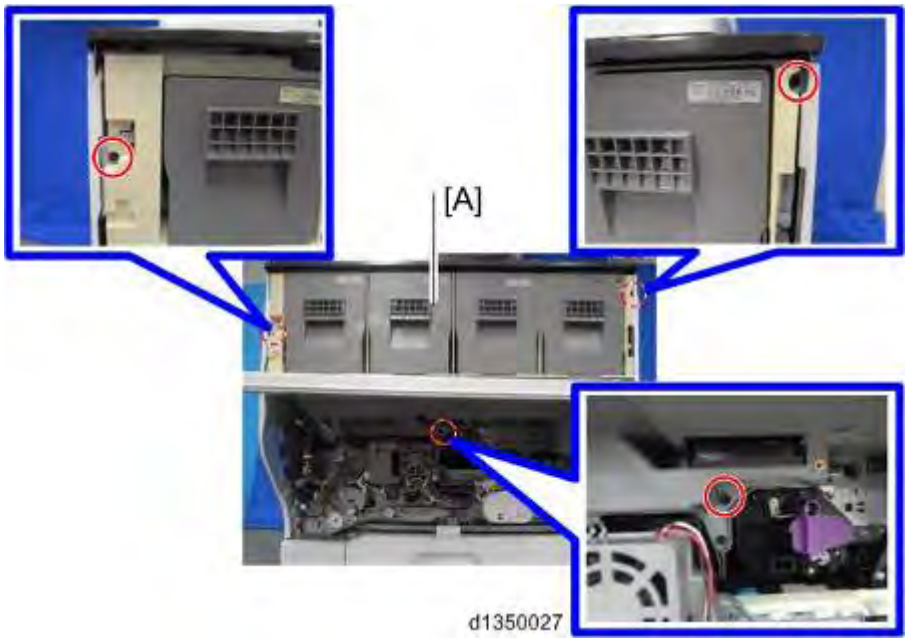
4. ITB cleaning intake fan [A] along with the duct (x 1*).



* D137/D138 use TCRU screws

5. Open the toner supply unit front cover [A].

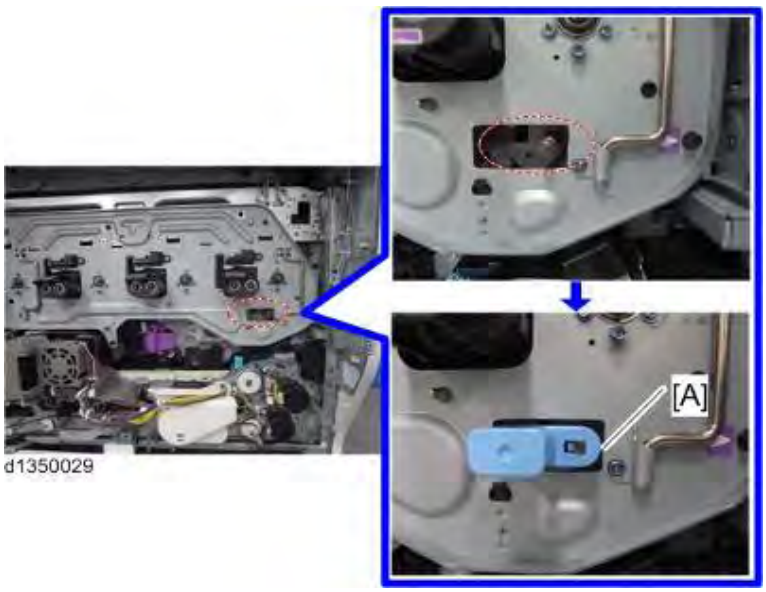
6. Remove the fixing screws of the toner supply unit [A] (x 3*).



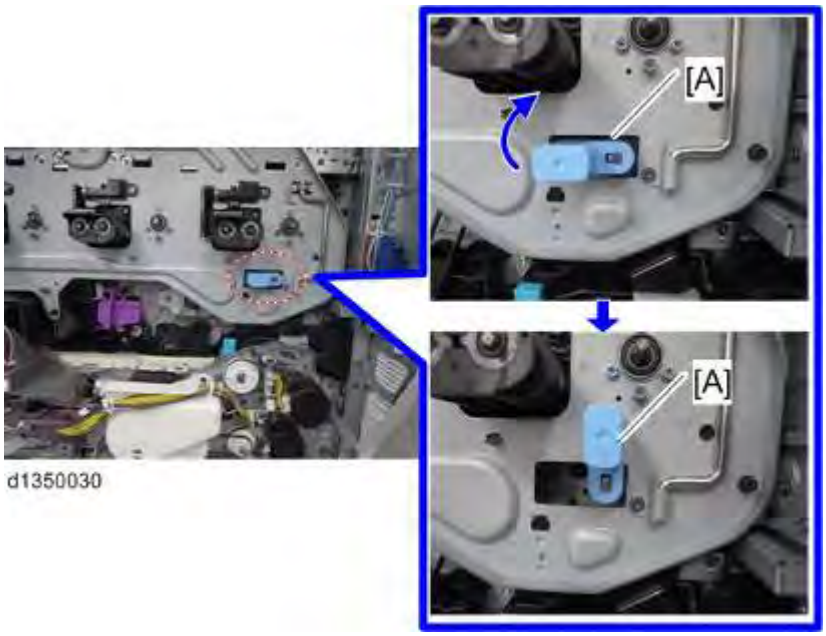
* D137/D138 use TCRU screws

7. Slide the toner supply unit [A] to the front.

8. Attach the ITB separation lever [A] horizontally from the right side of the machine.



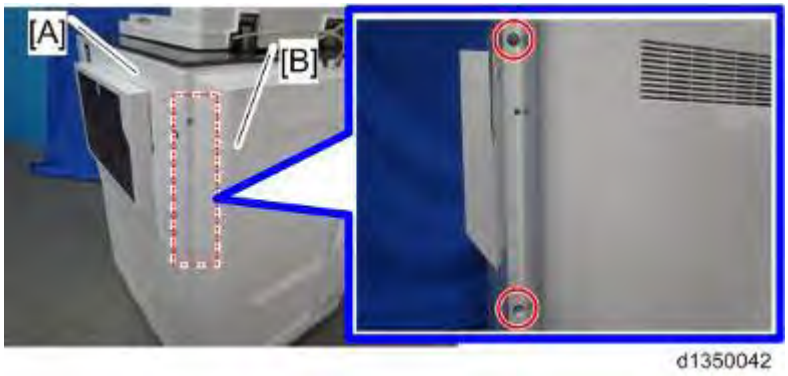
9. Turn the ITB separation lever [A] clockwise until it is vertical.



10. Return the toner supply unit to the machine and secure it with the screws.
11. Attach the ITB cleaning intake fan and drawer unit cover

Operation Panel Attachment

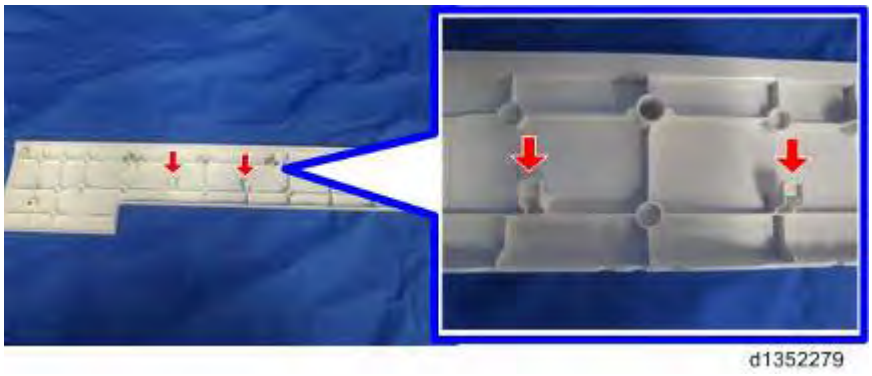
1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the left side of the rear middle cover [B] (x 2).



2. Open the by-pass tray unit [A]. Remove the right middle upper cover [B], moving it downward (x 1).

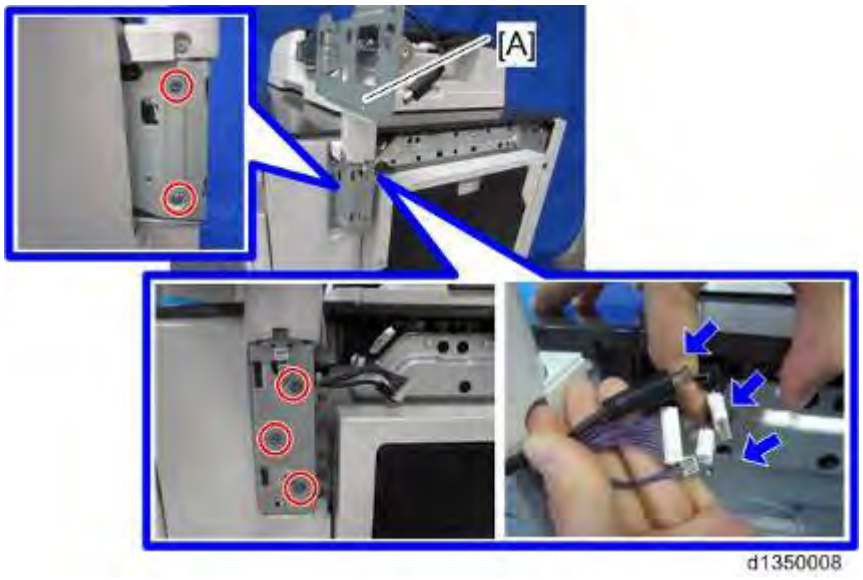
Note

- Check the position of the hooks in the photo below before removing.



3. Attach the arm stay [A] for the operation panel (x 5).

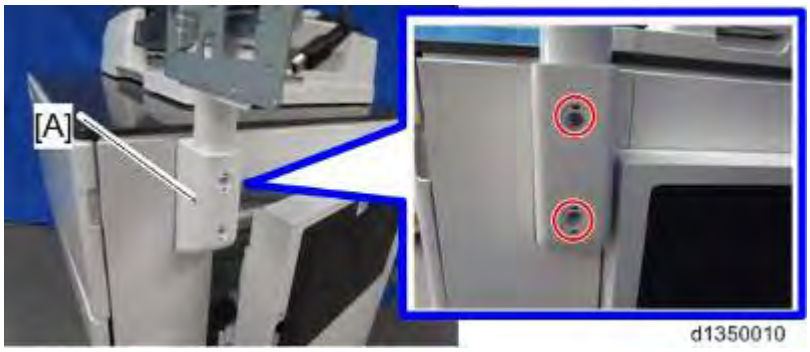
4. Attach the operation panel arm (x 5, x 3).



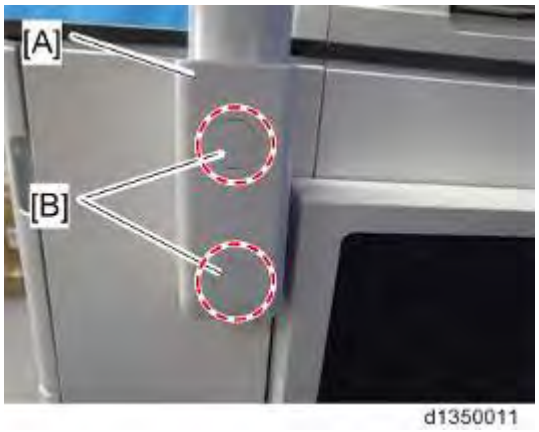
Note

Position the hook of the operation panel arm [A] over the arm stay [B].

5. Open the by-pass tray unit and attach the arm cover [A] (x 2).

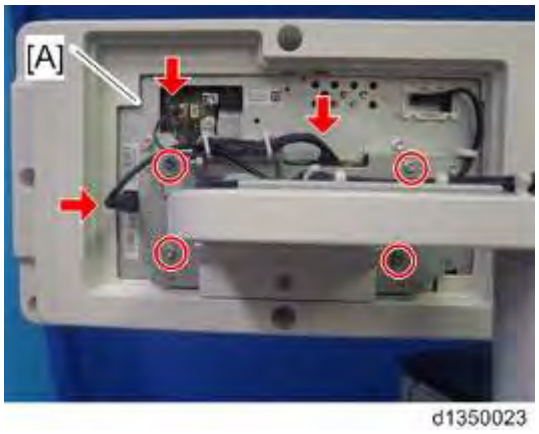


6. Attach the screw covers [B] on the arm cover [A].

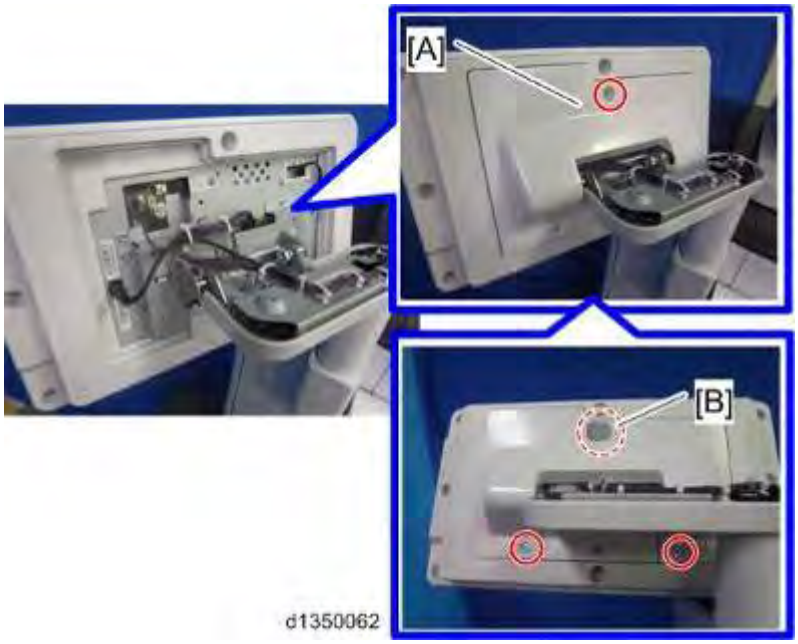


7. Attach the operation panel [A] to fit the hook of the operation panel arm [B].

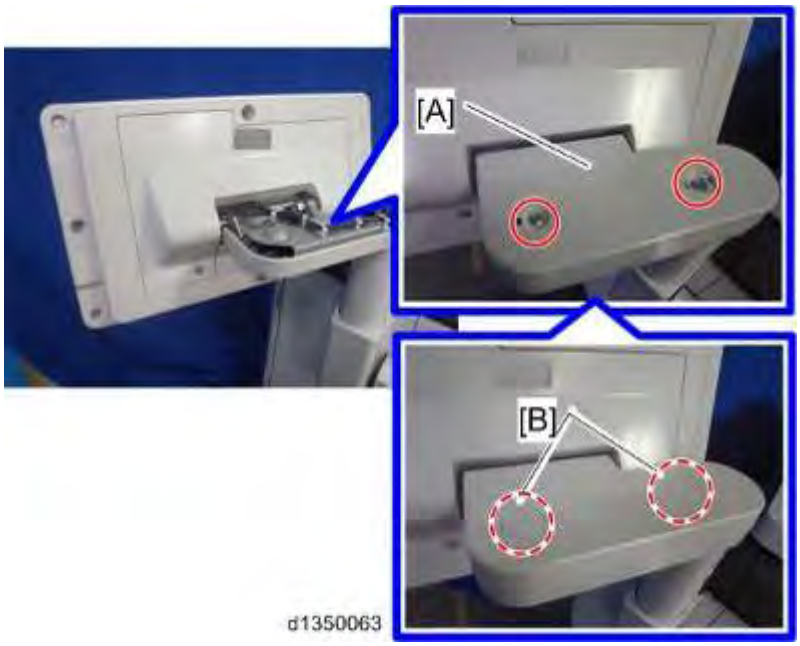
8. Secure the operation panel [A] (x 4, x 3).



9. Attach the rear cover [A] (x 3) and the screw cover [B].



10. Attach the arm upper cover [A] (x 2) and the screw covers [B].



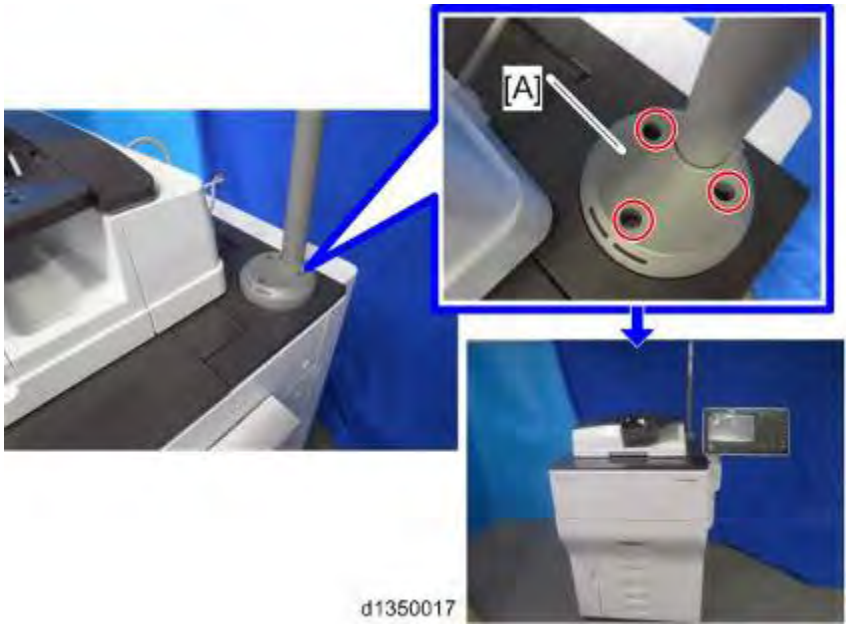
11. Remove the protection sheet [A].

Operator Call Light Attachment

1. Connect the machine and operation call light [A] (x 1).

2. Fold back the harness [A] and clamp it.

3. Attach the operation call light [A] (x 3).



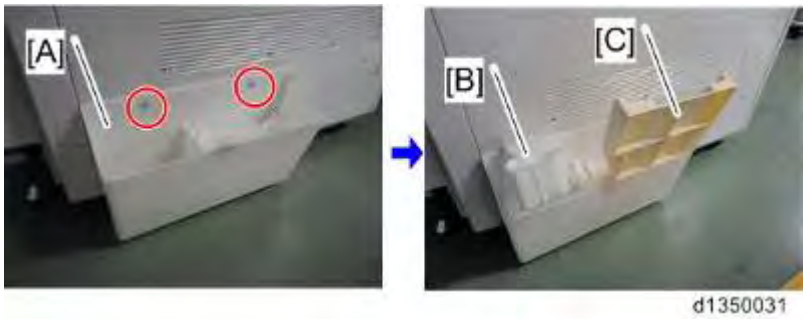
Note

- When attaching the operator call light, be careful not to pinch the harness. Fix the light after it was confirmed visually from the front and back.

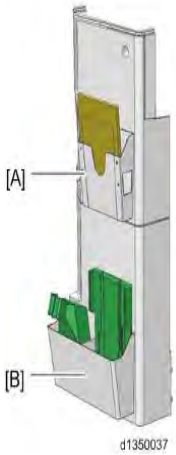
Attaching the Service Pocket

When Attaching to the Machine

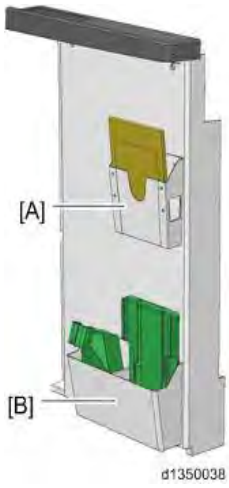
1. Attach the service pocket [A] for the funnel/PCU holder to the left lower (rear) (rivet x 2). Put the funnel [B], PCU holder [C] and Development roller/Drum rotation tools into the service pocket.



When Attaching to the Finisher



Finisher SR4090/ Booklet Finisher SR4100:
Attach to the following locations.
Rear side (upper): Operating instructions [A]
Rear side (lower): Funnel/ PCU holder [B]

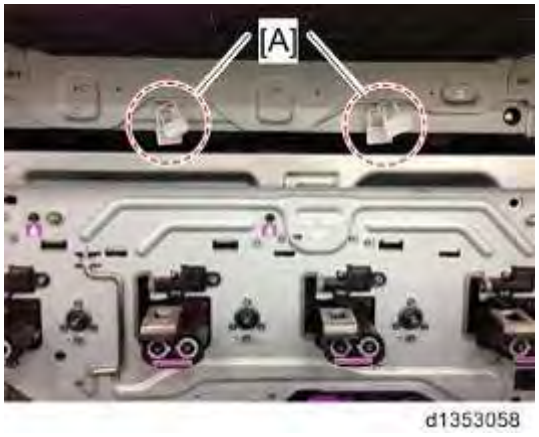


Finisher SR4110: Attach to the following locations.
Rear side (upper): Operating instructions [A]
Rear side (lower): Funnel/ PCU holder [B]

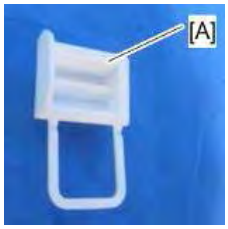
Storing the Supply Port Caps for the Developer

TCRU/ORU Contracts

When a TCRU/ORU user removes the PCDU from the machine, they must use the caps (x 4) to prevent developer spill. When installing the machine, attach the caps [A] to the clamping position shown below.



Not TCRU/ORU Contracts



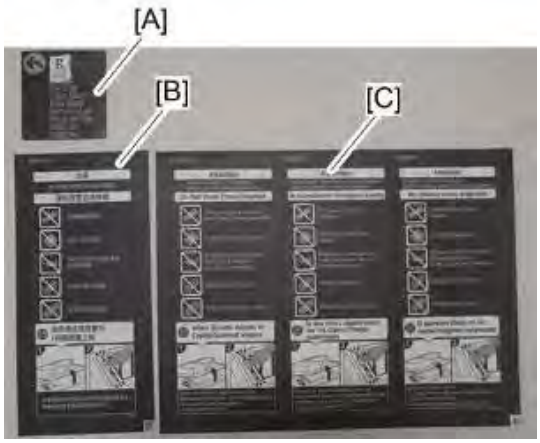
Store the caps [A] (x 4) in the service pocket for the operating instructions. Use them during maintenance if needed.

Storing the Factory SP Sheet

On a newly delivered machine, the factory SP sheet is located on the exposure glass. Open the tandem tray [A], and remove the paper cassette decal [B]. Confirm the factory SP sheet is stored inside.

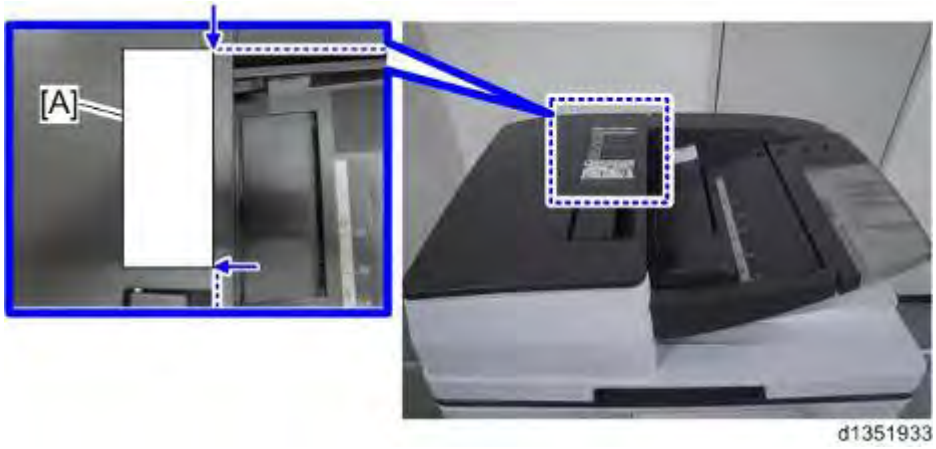
Attaching the decals

1. Prepare the ADF paper set decal [A] and ADF caution decal ([B] or [C]).



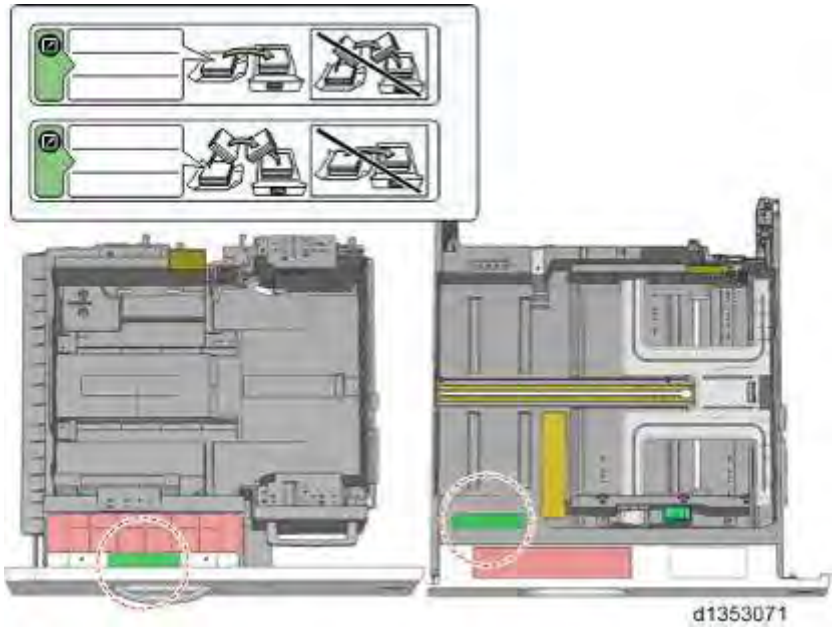
[A] ADF paper set decal
[B]: ADF caution decal for CHN
[C]: ADF caution decal for other countries

2. Attach the ADF caution decal to the position [A] on the ADF.



3. Attach the ADF paper set decal [A] in the indentation in the ADF.

4. According to the paper that will be used by the customer, select and attach the following decals to the 1st tray, 2nd tray and 3rd tray.



Note

- Paper type, brand, etc can be written on the blank space.

Machine Level Adjustment

When installing the main machine, make the machine level.

Important

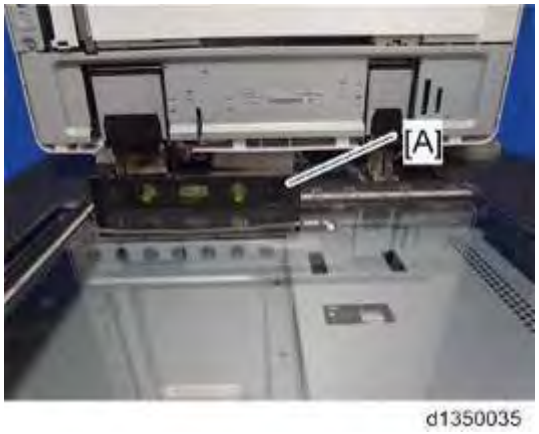
- If the machine is not leveled, the tilt of the machine reduces the accuracy in side-to-side registration.
- The front and rear side of the machine must be less than 5 mm (0.2") away from level.

1. Place the four shoes [A] below the bolts [B] under each corner of the machine.
2. Turn the nuts [B] to lower the bolt until the bolts reach the leveling shoes [A].
   Example below: Front side

Note

- Use the wrench provided with the main machine to raise or lower the nuts.

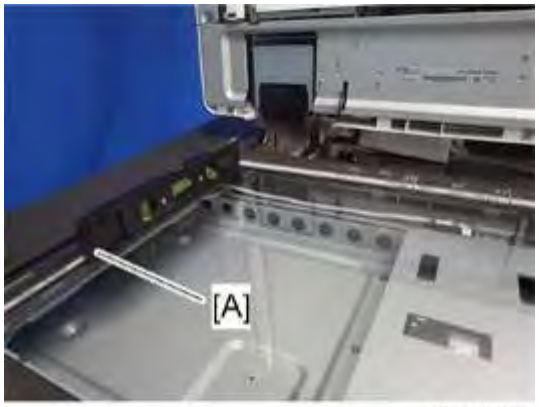
3. Open the ADF, and then place a level [A] on the exposure glass.



4. Adjust the machine level until the machine is less than 5mm from level (measure from left-to-right).
   - When the right side of the machine is lower: Lower the nuts of the right side of the machine (front and rear) to lift the right side of the machine.

- When the left side of the machine is lower: Lower the nuts of the left side of the machine (front and rear) to lift the left side of the machine.

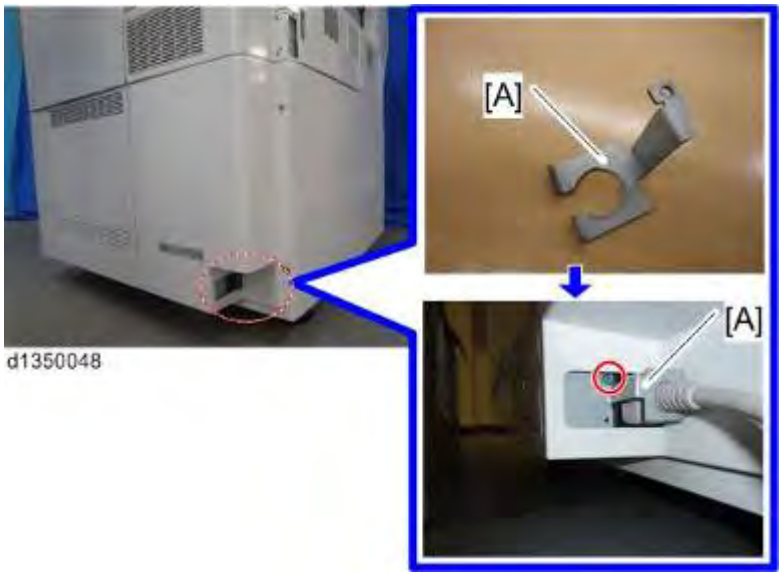
5. Open the ADF, and then place the level [A] along the side.



6. Adjust the machine level until the machine is less than 5mm from level (measure from front-to-rear).
   - When the front side of the machine is lower: Lower the nuts of the front side of the machine (left and right) to lift the front of the machine.
   - When the rear side of the machine is lower: Lower the nuts of the rear side of the machine (left and right) to lift the rear of the machine.

Installing the Securing Bracket to Prevent the Power Cord from Falling Off

1. Install the securing bracket [A] to prevent the power cord from falling off. (x1)
   Example below: D137/D138



Note

D137/D138 machines have two power cords. Install a securing bracket for each power cord.

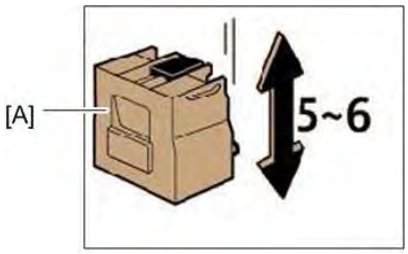
How to Set the Toner Cartridge

Important

- Be careful when setting the toner cartridges because the toner cartridges have different shapes, and the cartridge may be damaged if you try to force a cartridge into

the wrong place. The position of the toner cartridges is Y, M, C, K from the left.

1. Open the toner supply unit front cover [A].
2. Unpack the new toner cartridge.
3. Reverse the toner cartridge and shake 5-6 times while grasping both ends.



4. Set each color toner cartridge. Push the toner cartridge until it locks into place.

Important

Make sure to remove the retainer before installing the K toner cartridge.

ACC (Automatic Color Calibration) Adjustment

1. Check that there are no clamps etc. that you forgot to remove, and plug the power cord into its power source.
2. Turn the main power switch ON.
3. Tap [User Tools].
4. To print a color pattern, select: Maintenance > Auto Color Calibration.
5. Tap [Start] for the Copier function.

6. Tap [Start Printing].
7. Put the color test pattern face-down with the arrow pointing to the rear left corner of the exposure glass.
8. Tap [Start Scanning]. The machine scans the pattern once.
9. Do Steps 6-8 for the Printer function.

Checking the copy image with color chart

If you want to install any options, install them using the installation procedure before doing the procedure below.

1. Switch the machine to copier mode.
2. Make sure that there is A3 or DLT paper in one of the trays.
3. Put a "Color Chart C-4" on the exposure glass.
4. Select full color mode and print one copy of the chart.
5. Check the copy image with color chart.

Paper Tray Settings

Adjust the side-to-side registration for each paper tray as necessary.

- SP1-003-001 (Side-to-Side Reg: Tray1)
- SP1-003-002 (Side-to-Side Reg: Tray2)
- SP1-003-003 (Side-to-Side Reg: Tray3)
- SP1-003-004 (Side-to-Side Reg: Tray4)

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. Insert the SD card which has the "library.mqp" file into SD card Slot 2 (lower slot) on the back side of the machine.

5. Turn ON the machine.
6. 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.

7. Enter SP5-711-001, and then touch [EXECUTE].
8. Next, touch [EXECUTE] again.
9. When the machine displays "Completed" and prompts you to re-boot, touch [Exit] to leave the SP mode.
10. Turn OFF the machine and remove the SD card from SD card slot 2.
11. Turn ON the machine.
12. Check the Paper Library data version with SP5-711-201 (Flash ROM) to confirm that the Paper Library data has been updated.

Important

Note the following 2 types of MQP data:

MediaLib XX ProC5100 A(AB) : For **ProC5100S** only

MediaLib XX ProC5110 A(AB) : For **ProC5110S** only

Backing Up and Restoring Paper Library Data

This table describes the methods for backing up and restoring Paper Library data.

		Adjustment Setting for Skilled Operators	SP Mode	SD Slot
MQP data	Install	-	✔SP5-711-001	Lower slot
Custom Paper Library	Back up	✔	-	Slot on operation panel
	Restore	✔	-	Slot on operation panel
Saved Paper Library	Back up	✔	-	Upper slot
	Restore	-	✔SP5-711-002	Lower slot

How to back up and restore Custom paper library/Saved paper library in Adjustment Settings for Skilled Operators

1. Insert the SD card into the SD card slot on the operation panel.
2. Tap [User Tools], and then tap [Adjustment Settings for Skilled Operators].
3. Tap [05: Machine Maintenance].
4. Tap [0703: Backup / Restore Custom Paper Data].
5. Tap [Back Up Saved Paper Library], [Back Up Custom Paper Settings], or [Restore Custom Paper Settings].

2.2.5 INSTALLATION PROCEDURE (D135/D136)

1. Unpack the machine and remove all the wrapping.
2. Remove all filament tape from the machine.

3. Open the tandem tray [A] and remove the filament tape at the duplex unit [B].

4. Remove the filament tape and the cushion at the ADF.

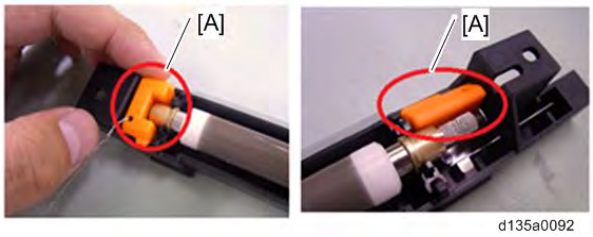
5. Open the ADF [A] and release the lever to open the white board. Then remove the protection sheet.

6. Remove the power cable from paper tray 2.

7. Remove the protection sheet

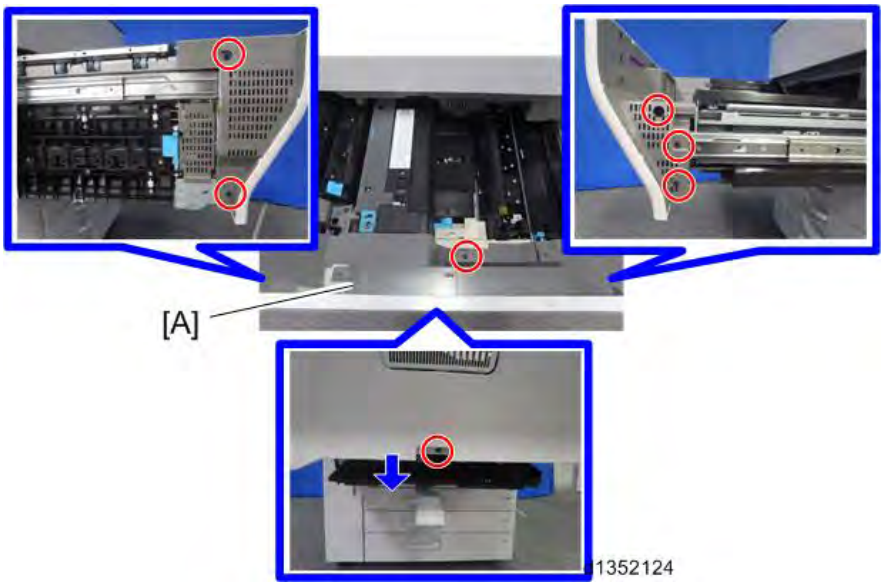
Removing the Retainers of the Charge Roller Units (C, M, K)

The shipping retainers [A] must be removed from the charge roller units (C, M, K).



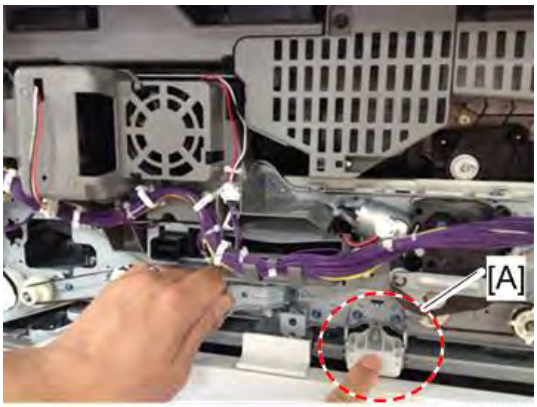
Note: These retainers are not included in the Yellow (Y) charge roller unit.

1. Pull out the drawer unit and remove its cover [A] (x7).



Important

Make sure to hold down the lock lever ([A] in the photo below) when you pull out the unit. (The unit is locked in place by this lever).



d1352862

2. Close the drawer unit.

Note

When you push the unit back in to the machine, you can close the guide plate [A] of the paper exit and duplex unit.

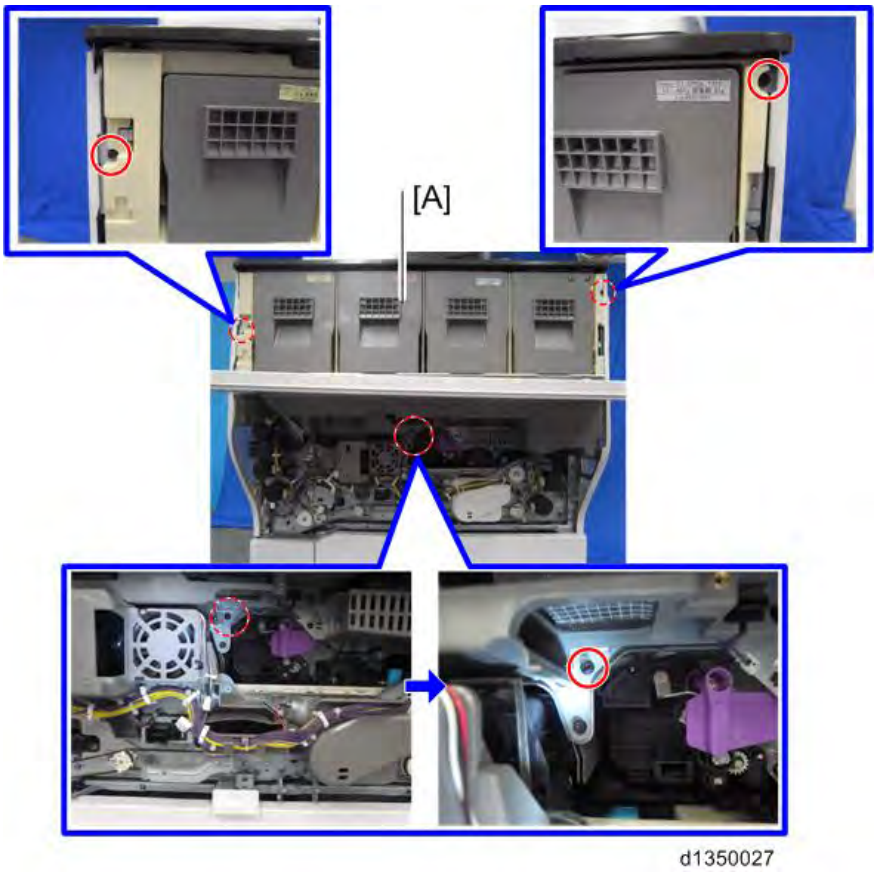
d1352313

3. Remove the ITB cleaning intake fan [A] together with the duct (x 1).

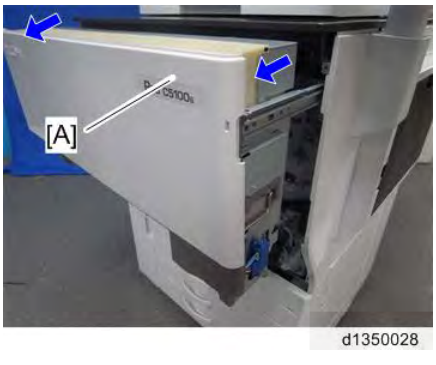
d1352612

4. Open the front cover of the toner supply unit [A].

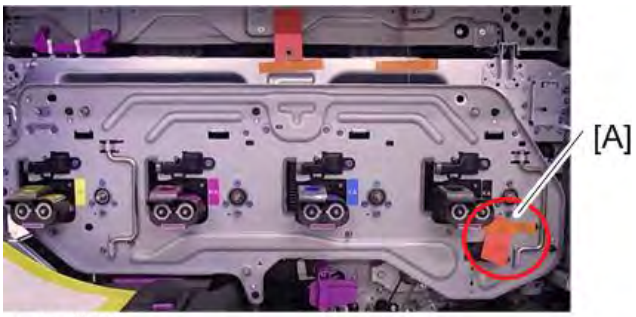
5. Remove the fixing screws of the toner supply unit [A] (x 3).



6. Pull out the toner supply unit [A].

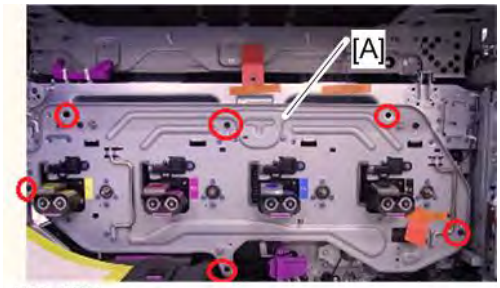


7. Remove the toner supply unit [A] (x2).
8. Remove the filament tape [A] from the faceplate.



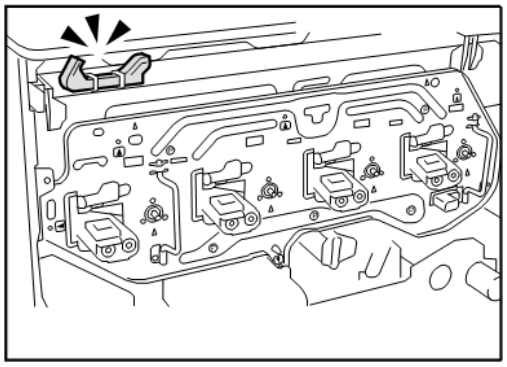
d135a0093

9. Remove the screws fixing the face plate (x6).



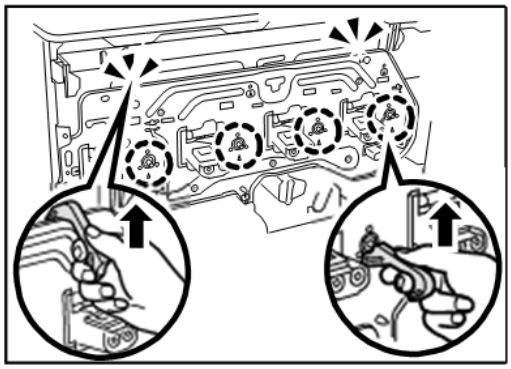
d135a0094

10. Remove the handles.



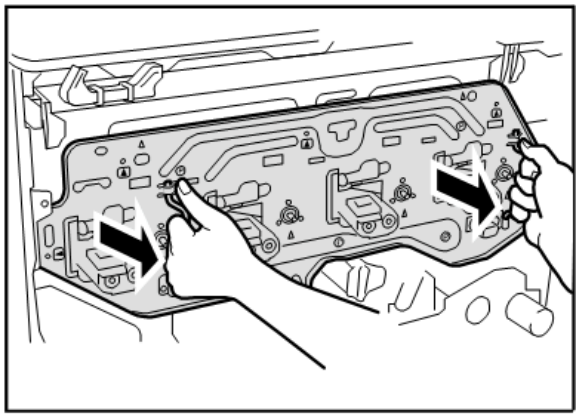
d1352794

11. Attach the handles and pull out the units slowly and evenly.



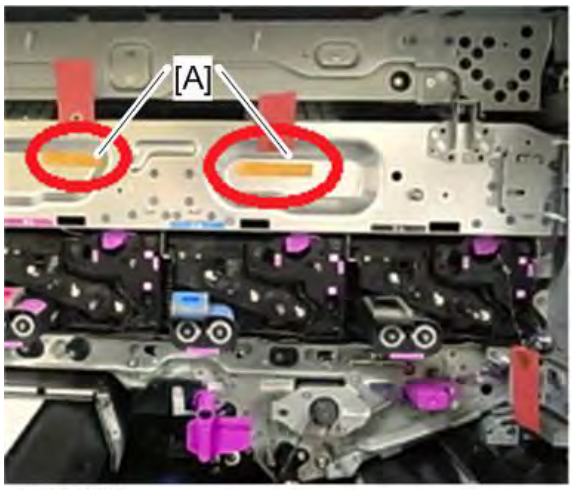
d1352795

12. Hold the grips and remove the face plate.



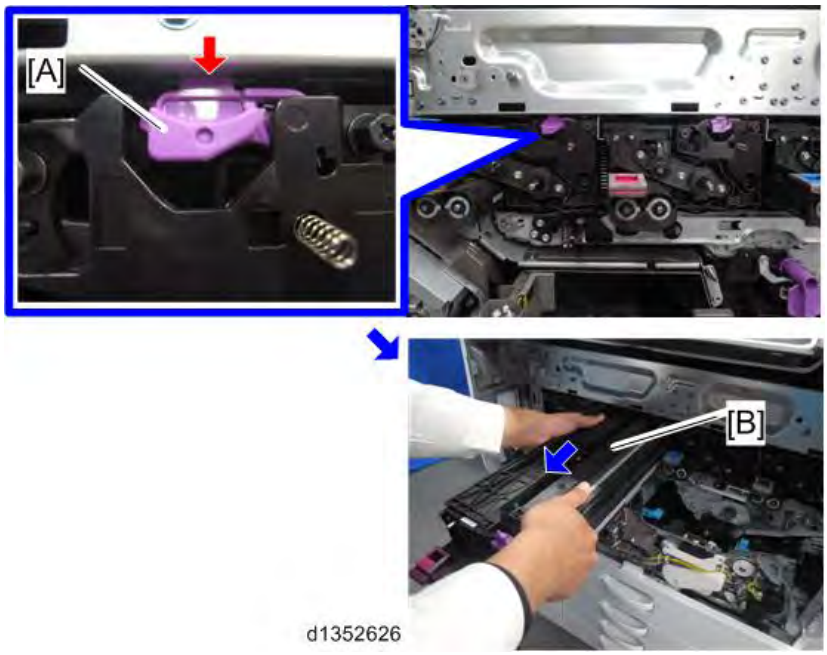
d1352796

13. Remove all filament tape [A] from the Magenta and Cyan units.



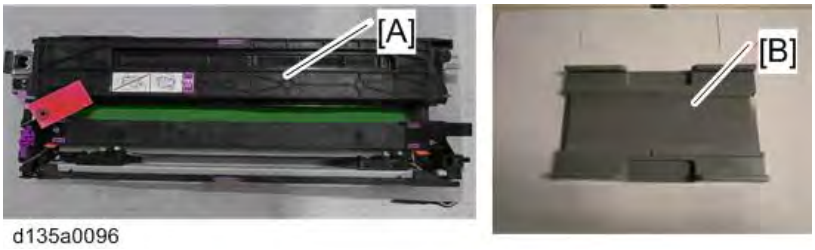
d135a0095

14. Unlock the lever [A] and pull out the PCDU [B] from the machine.



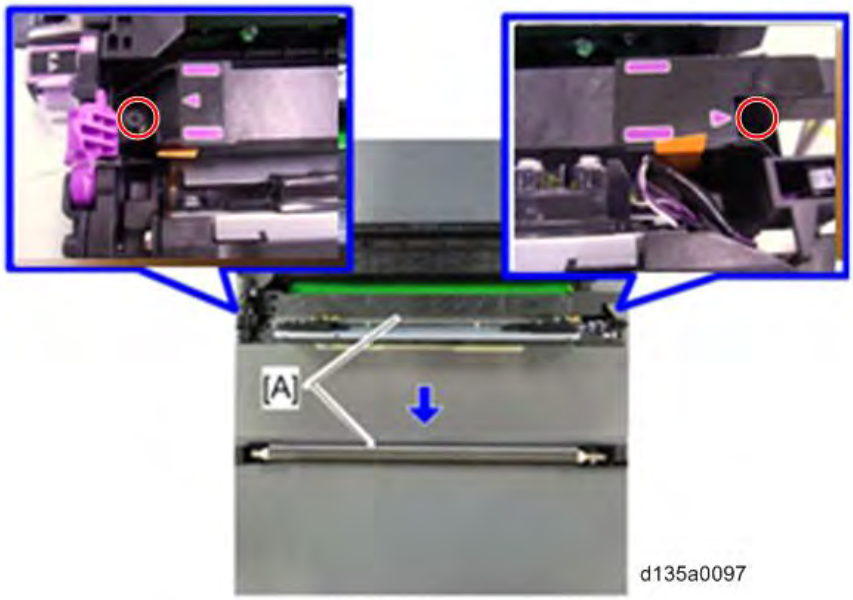
d1352626

15. Place the PCDU [A] on the PCU stand [B].



d135a0096

16. Remove the charge roller unit and place it on a clean, flat, and level surface with the roller facing up (x2).

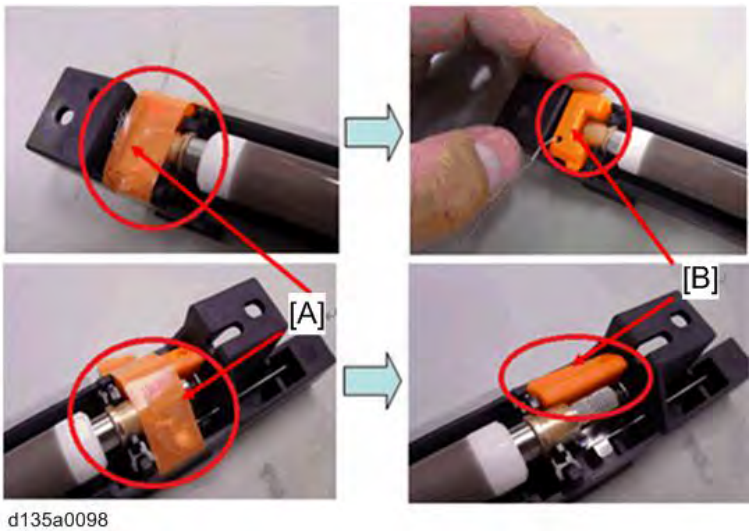


d135a0097

Important

Make sure that the surface is flat and level.

17. Remove the filament tape [A] and retainers [B] from both ends of the charge roller unit.



d135a0098

18. Reattach the charger roller unit and PCDU, and then attach the face plate.

Important

After attaching the face plate, check the status of the locking levers again by looking through the holes as shown.

[A]: The locking lever is properly fit into the hole in the machine frame.

[B]: The locking lever is **not** properly fit into the hole in the machine frame.

d1352628

d1352640

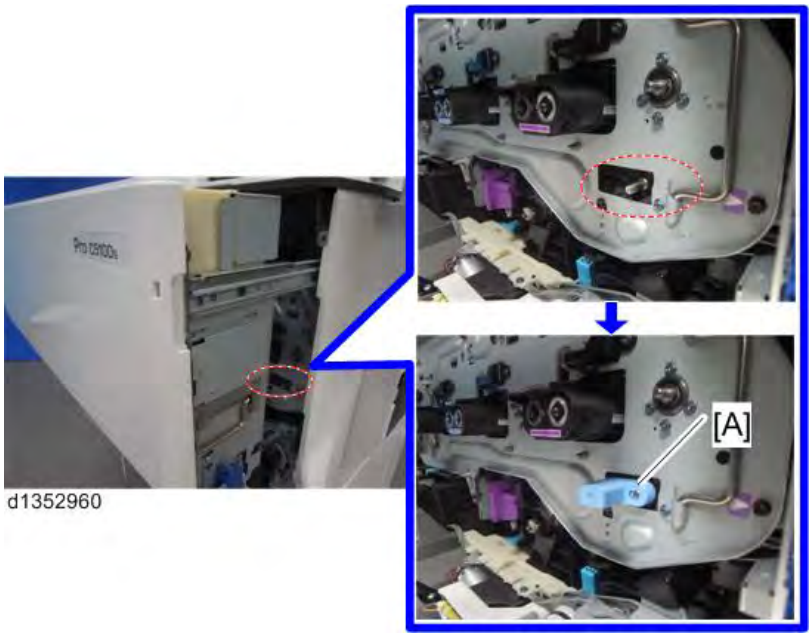
Attaching the ITB Separation Lever

When unpacking the machine, the ITB separation lever is not yet attached to the correct location. During machine installation, you must install the lever.

1. Open the drawer unit [A], and remove the ITB separation lever [B].

d1350025

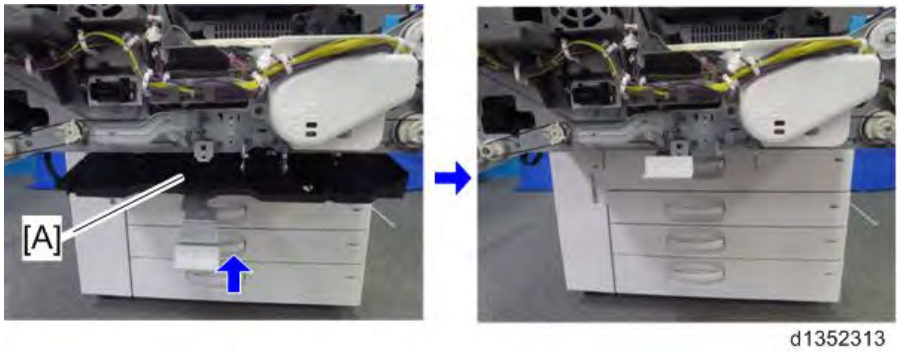
2. Attach the ITB separation lever [A] horizontally.



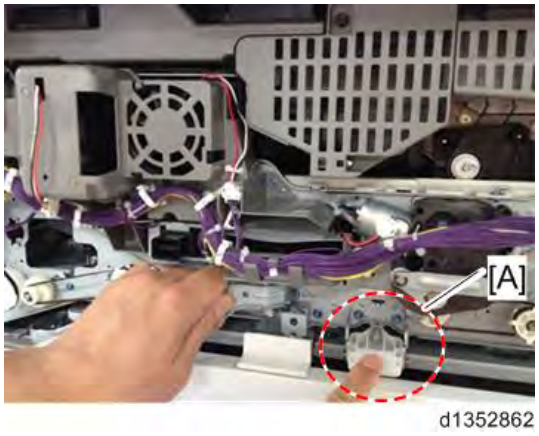
3. Close the drawer unit

Note

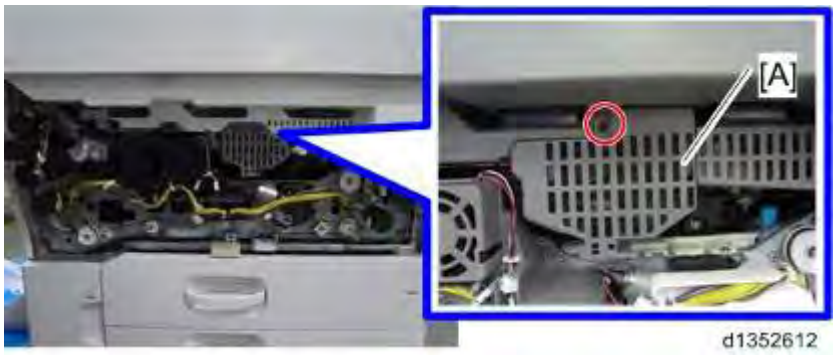
After removing the drawer unit cover, when the drawer unit is returned to the machine, you can close the guide plate [A] of the paper exit and duplex unit.



When the drawer unit is pushed back into the machine, it is locked in place by the lock lever [A]. (Make sure to hold down this lever whenever pulling out the unit).

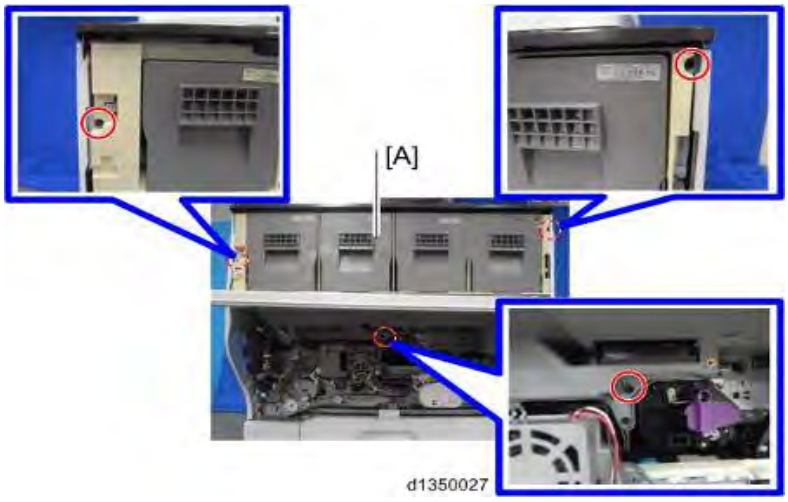


4. ITB cleaning intake fan [A] along with the duct (x 1).



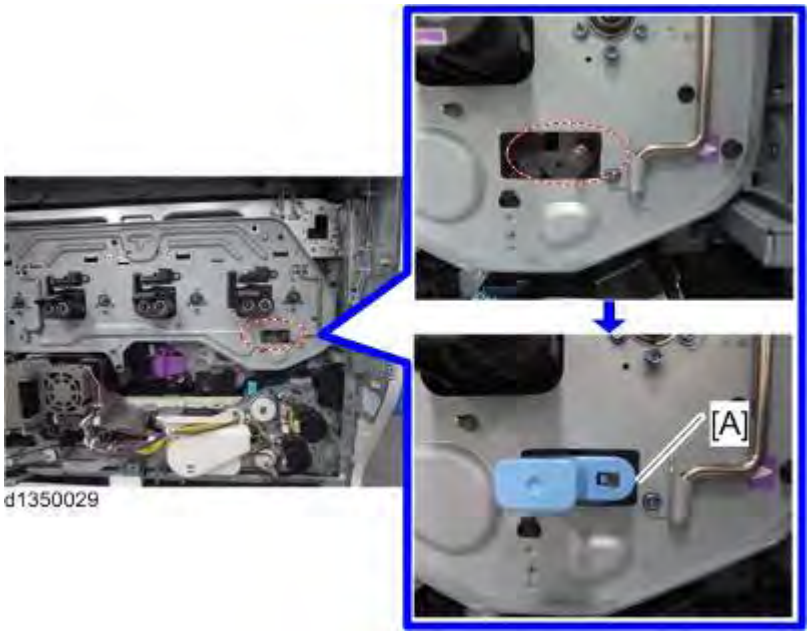
5. Open the toner supply unit front cover [A].

6. Remove the fixing screws of the toner supply unit [A] (x 3).

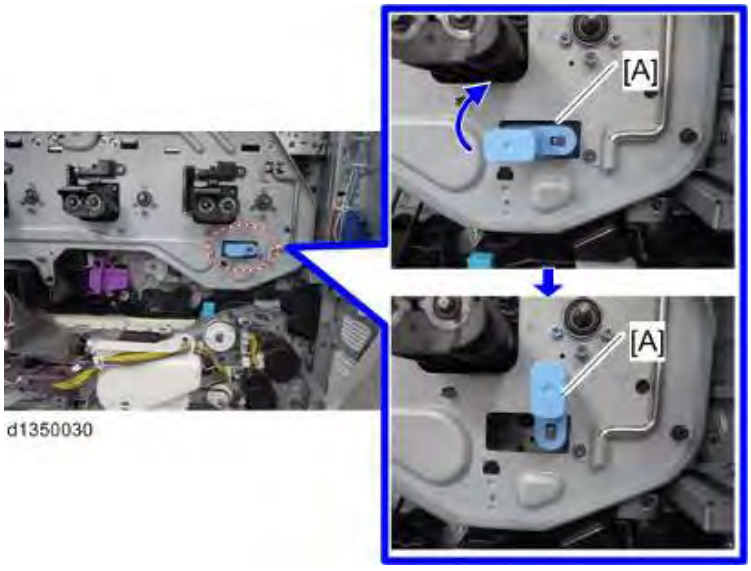


7. Slide the toner supply unit [A] to the front.

8. Attach the ITB separation lever [A] horizontally from the right side of the machine.



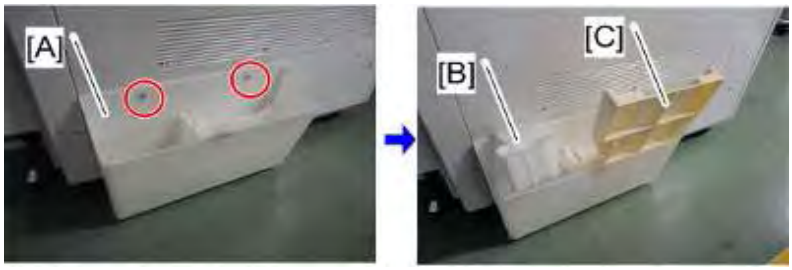
9. Turn the ITB separation lever [A] clockwise until it is vertical.



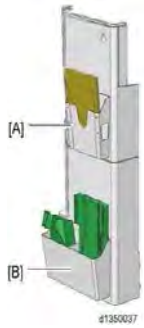
10. Return the toner supply unit to the machine and secure it with the screws.
11. Attach the ITB cleaning intake fan and drawer unit cover

Attaching the Service Pocket

Attach the service pocket [A] for the funnel/PCU holder to the left lower (rear) (rivet x 2). Put the funnel [B], PCU holder [C], Development roller/Drum rotation tools and development caps into the service pocket.



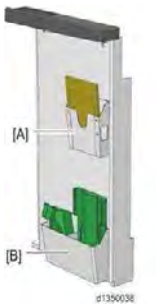
When Attaching to the Finisher



Finisher SR4090/ Booklet Finisher SR4100: Attach to the following locations.

Rear side (upper): Operating instructions [A]

Rear side (lower): Funnel/ PCU holder [B]



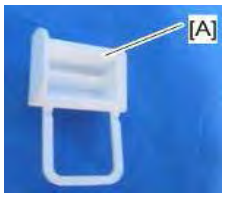
Finisher SR4110: Attach to the following locations.

Rear side (upper): Operating instructions [A]

Rear side (lower): Funnel/ PCU holder [B]

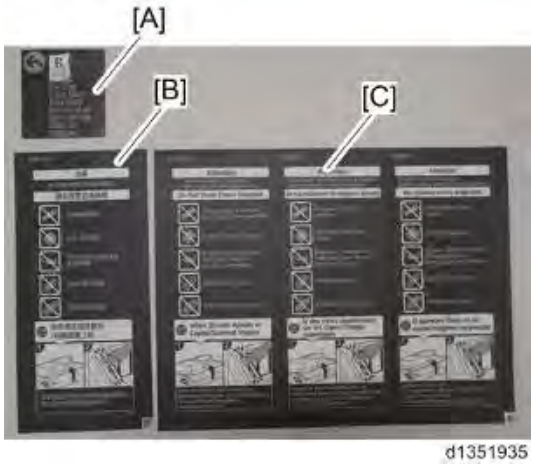
Storing the Supply Port Cap of the Developer

Store the caps [A] (x 4) in the service pocket for the operating instructions. Use them during maintenance if needed.



Attaching the decals

1. Prepare the ADF paper set decal [A] and ADF caution decal ([B] or [C]).



[A]: Paper set decal

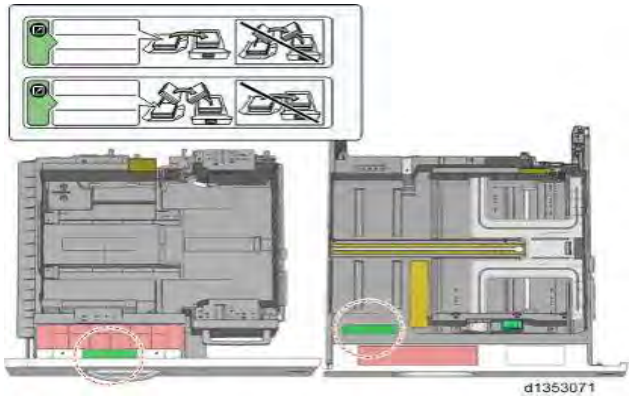
[B]: ADF caution decal for CHN

[C]: ADF caution decal for other countries

2. Attach the ADF caution decal to the position [A] on the ADF.

3. Attach the ADF paper set decal [A] in the indentation in the ADF.

4. According to the paper set by customer, select and attach the following decals to the 1st tray, 2nd tray and 3rd tray.



Note

Paper brand can be written on the blank space.

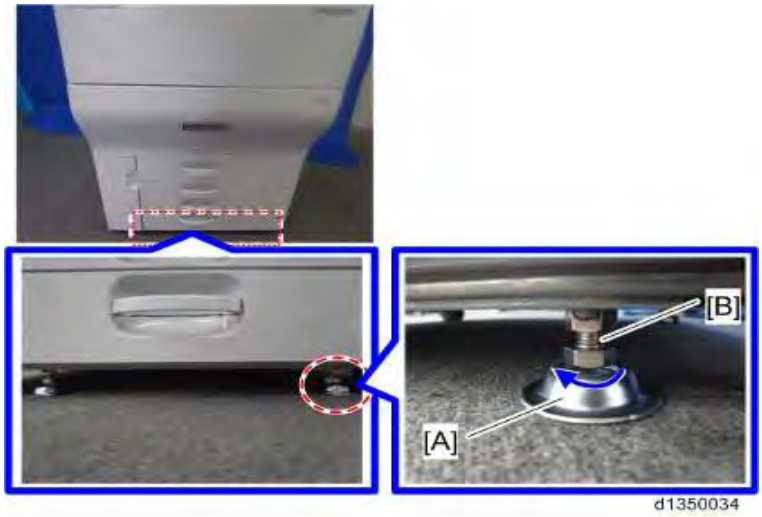
Machine Level Adjustment

When installing the main machine, make the machine level.

Important

- If the machine is not leveled, the tilt of the machine reduces the accuracy in side-to-side registration.
- The front and rear side of the machine must be less than 5 mm (0.2") away from level.

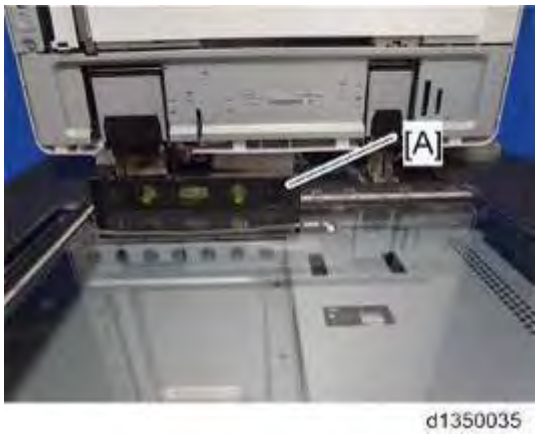
1. Place the four shoes [A] below the bolts [B] under each corner of the machine.
2. Turn the nuts [B] to lower the bolt until the bolts reaches to the leveling shoes [A].
   Example below: Front side



Note

Use a wrench to raise or lower the nuts.

3. Open the ADF, and then place a level [A] on the exposure glass.



4. Adjust the machine level until the machine is less than 5mm from level (measure from left-to-right).
   - When the right side of the machine is lower: Lower the nuts of the right side of the machine (front and rear) to lift the right side of the machine.
   - When the left side of the machine is lower: Lower the nuts of the left side of the machine (front and rear) to lift the left side of the machine.
5. Open the ADF, and then place the level [A] along the side.

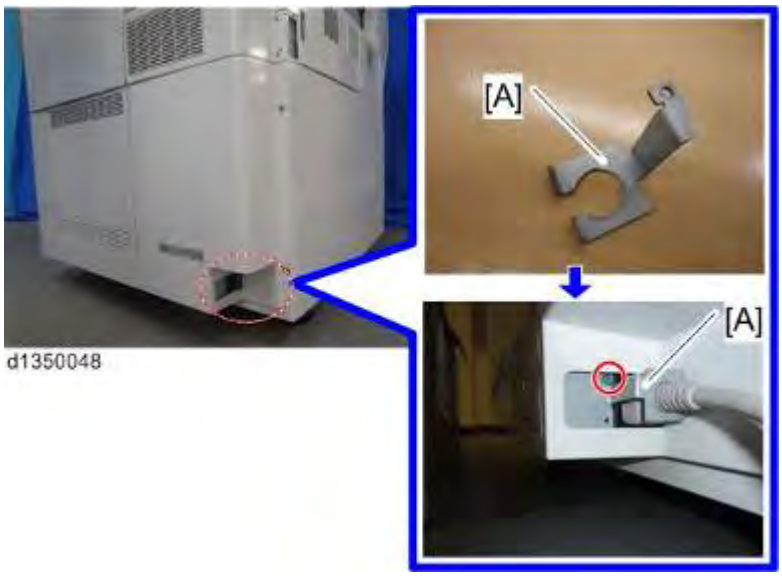
6. Adjust the machine level until the machine is less than 5mm from level (measure from

front-to-rear).

- When the front side of the machine is lower: Lower the nuts of the front side of the machine (left and right) to lift the front of the machine.
- When the rear side of the machine is lower: Lower the nuts of the rear side of the machine (left and right) to lift the rear of the machine.

Installing the Securing Bracket to Prevent the Power Cord from Falling Off

1. Install the securing bracket [A] to prevent the power cord from falling off. (x1)
   Example below: D135/D136



Note

D135/D136 machines have two power cords. Install a securing bracket for each power cord.

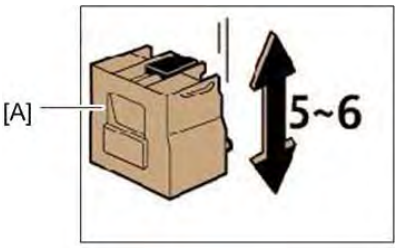
How to Set the Toner Cartridge

Important

Be careful when setting the toner cartridges because the toner cartridges have different shapes, and the cartridge may be damaged if you try to force a cartridge into the wrong place. The position of the toner cartridges is Y, M, C, K from the left.

1. Open the toner supply unit front cover [A].

2. Unpack the new toner cartridge.
3. Reverse the toner cartridge and shake 5-6 times while grasping both ends.



4. Set each color toner cartridge. Push the toner cartridge until it locks into place.

Load the Paper Trays

For each paper cassette tray:

1. Pull out the paper tray until it stops.
2. Move the side fence and back fence to the correct positions for the paper.
3. Add paper to the trays.
4. Align the side fence and end fence gently against the paper you loaded.
5. Attach the paper size decals to the front of the three trays.

ACC (Automatic Color Calibration) Adjustment

1. Check that there are no clamps etc. that you forgot to remove, and plug the power cord into its power source.
2. Turn the main power switch ON.
3. Tap [User Tools].
4. To print a color pattern, select: Maintenance > Auto Color Calibration.
5. Tap [Start] for the Copier function.
6. Tap [Start Printing].
7. Put the color test pattern face-down with the arrow pointing to the rear left corner of the exposure glass.
8. Tap [Start Scanning]. The machine scans the pattern once.
9. Do Steps 6-8 for the Printer function.

Storing the Factory SP Sheet

On a newly delivered machine, the factory SP sheet is located on the exposure glass.
Open the tandem tray [A], and remove the paper cassette decal [B]. Confirm that the factory SP sheet is inside.

2.2.6 CHECK IMAGE QUALITY / SETTINGS

Initializing DEMS (D137/D138)

Initialize DEMS with SP3-040-001.

Checking the copy image with color chart

If you want to install any options, install them using the installation procedure before doing the procedure below.

5. Switch the machine to copier mode.
6. Make sure that there is A3 or DLT paper in one of the trays.
7. Put a "Color Chart C-4" on the exposure glass.
8. Select full color mode and print one copy of the chart.
9. Check the copy image with color chart.

Paper Tray Settings

Adjust the side-to-side registration for each paper tray as necessary.

- SP1-003-001 (Side-to-Side Reg: Tray1)
- SP1-003-002 (Side-to-Side Reg: Tray2)
- SP1-003-003 (Side-to-Side Reg: Tray3)
- SP1-003-004 (Side-to-Side Reg: Tray4)

Security Function Installation

The machine contains the Security functions (Data Overwrite Security and HDD Encryption unit) built into the controller board.

If you are installing a new machine, it is recommended to activate the Data Overwrite Security and HDD Encryption unit by selecting "Format All Data" from “System Settings” on the operation panel.

Note

- This method is recommended because there is no user data on the hard drive yet (Address Book data, image data, etc.).

If the customer wishes to activate the Data Overwrite Security and HDD Encryption unit on a machine that is already running, it is recommended to activate the unit by selecting "All Data" from “System Settings” on the operation panel.

Important

- Selecting "All Data" will preserve the data that has already been saved to the hard drive. (If "Format All Data" is selected, all user data saved to the hard drive up to that point will be erased).

Immediately after encryption is enabled, the encryption setting process will take several minutes to complete before you can begin using the machine.

Note

- If encryption is enabled after data has been stored on the disk, or of the encryption key is changed, this process can take up to three and a half hours or more.

The machine cannot be operated while data is being encrypted.

Once the encryption process begins, it cannot be stopped.

Make sure that the machine's main power is not turned off while the encryption process is in progress.

If the machine's main power is turned off while the encryption process is in progress, the hard disk will be damaged and all data on it will be unusable.

Print the encryption key and keep the encryption key (which is printed as a paper sheet).

Keep the encryption key in a safe place. If the encryption key is lost and is needed, the controller board, hard disk and NVRAM must all be replaced at the same time.

Note

- "NVRAM" mentioned in here means the NVRAM on the Controller Board.
- "NVRAM" or EEPROM on the BCU has nothing to do with this.

Please use the following procedure when the Data Overwrite Security and HDD Encryption is reinstalled.

Data Overwrite Security

Before You Begin the Procedure

1. Make sure that the following settings (1) to (3) are not at their factory default values.

(1) Supervisor login password

(2) Administrator login name

(3) Administrator login password

If any of these settings is at a factory default value, tell the customer these settings must be changed before you do the installation procedure.

2. Make sure that “Admin. Authentication” is on.

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication]

If this setting is off, tell the customer this setting must be on before you do the installation procedure.

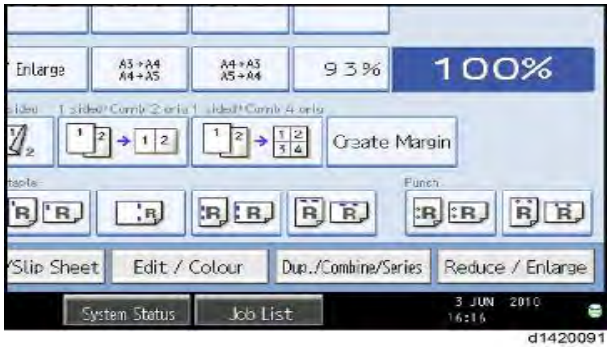
3. Make sure that “Administrator Tools” is enabled (selected).

[System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

If this setting is disabled (not selected), tell the customer this setting must be enabled (selected) before you do the installation procedure.

Installation Procedure

1. Connect the network cable if it needs to be connected.
2. Turn on the main power switch.
3. Go into the SP mode and push “EXECUTE” in SP5-878-001.
4. Exit the SP mode and turn off the operation switch. Then turn off the main power switch.
5. Turn on the machine power.
6. Do SP5-990-005 (SP print mode Diagnostic Report).
7. Go into the User Tools mode, and select [System Settings] → [Administrator Tools] → [Auto Erase Memory Setting] → [On].
8. Exit the User Tools mode.



d1420091

	Icon [1]	This icon is lit when there is temporary data to be overwritten, and blinks during overwriting.
	Icon [2]	This icon is lit when there is no temporary data to be overwritten.

9. Check the display and make sure that the overwrite erase icon appears.
10. Check the overwrite erase icon.
    The icon [1] is lit when there is temporary data to be overwritten, and blinks during overwriting.
    The icon [2] is lit when there is no temporary data to be overwritten.

HDD Encryption

Before You Begin the Procedure:

1. Make sure that the following settings (1) to (3) are not at the factory default settings.
   (1) Supervisor login password
   (2) Administrator login name

(3) Administrator login password

These settings must be set up by the customer before the HDD Encryption unit can be installed.

2. Confirm that "Admin. Authentication" is on: [User tools/Counter] key -> [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Admin. Authentication] -> [On]

   If this setting is off, tell the customer that this setting must be on before you can do the installation procedure.

3. Confirm that "Administrator Tools" is selected and enabled.

[User tools/Counter] key -> [System Settings] -> [Administrator Tools] -> [Administrator Authentication Management] -> [Available Settings]

"Available Settings" is not displayed until step 2 is done.

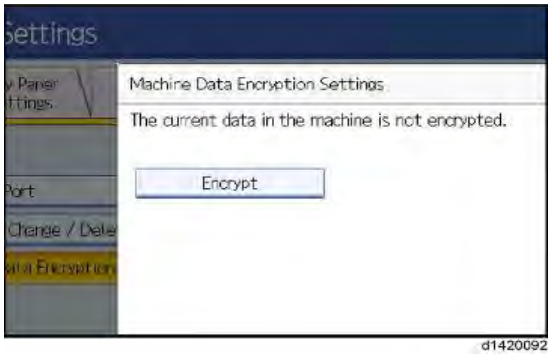
If this setting is not selected, tell the customer that this setting must be selected before you can do the installation procedure.

Installation Procedure:

1. Turn on the main power switch, and then enter the SP mode.
2. Select SP5878-002, and then press "Execute" on the LCD.
3. Exit the SP mode after "Completed" is displayed on the LCD.
4. Turn off the main power switch.

Enable Encryption Setting:

1. Press the [User tools/Counter] key.
2. Press [System Settings].
3. Press [Administrator Tools].
4. Press [Machine Data Encryption Settings].If this item is not visible, press [Next] to display more settings.
5. Press [Encrypt].

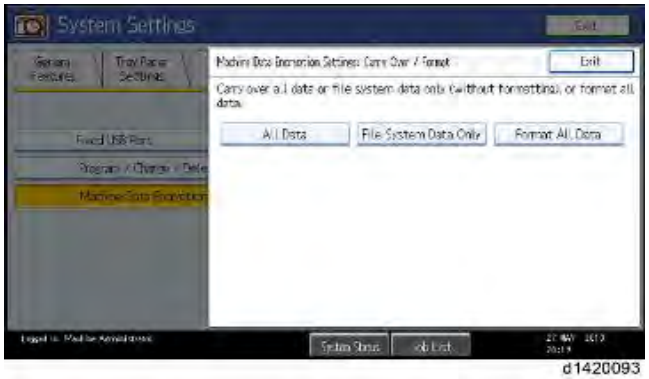


6. Select the data to be carried over to the hard disk and not be reset.

   To carry all of the data over to the hard disk, select [All Data].

   To carry over only the machine settings data, select [File System Data Only].

   To reset all of the data, select [Format All Data].

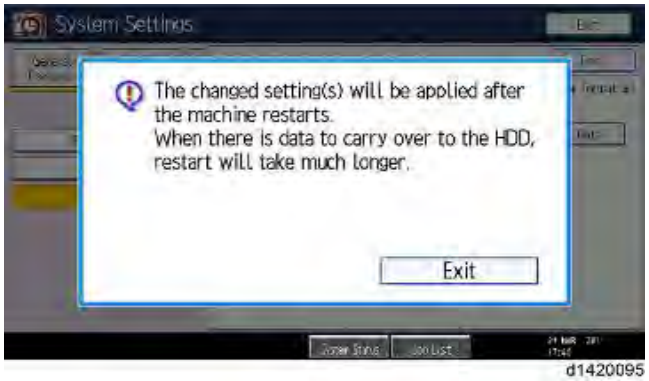


d1420093

7. The following message will be displayed. Press the [Start] key to print the encryption key for safe keeping.

d1420094

8. Press [Exit] to remove the following message.



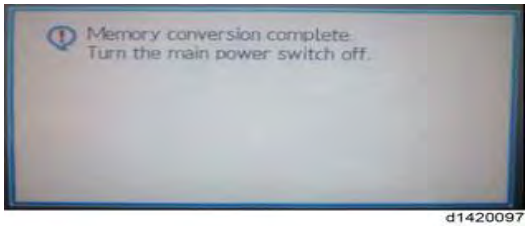
d1420095

9. Press [Exit] again.
10. Press the [User Tools/Counter] key.

Important

- After step 10, the initial operation display appears as below. However, HDD data encryption has not been completed at this moment. Step 11 and step 12 should be performed in order to encrypt the HDD data.

11. Turn the main power switch off and on.
12. "Memory Conversion complete. Turn the man power switch off" is displayed as below. Then turn the main power switch off and on.



d1420097

13. Then initial operation display appears again. After this step, HDD data encryption has already been completed.

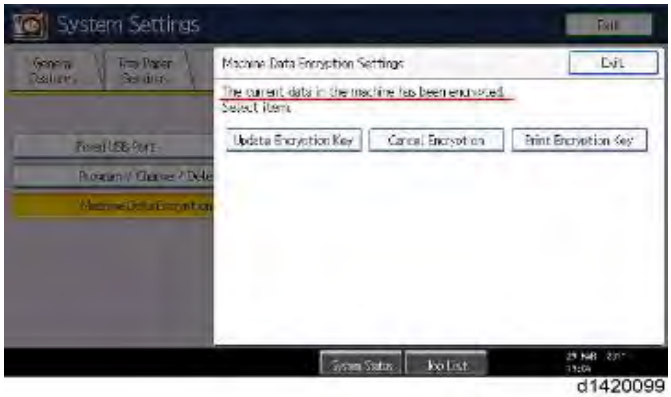
d1420096

Check the Encryption Settings

1. Press the [User tools/Counter] key.
2. Press [System Settings].
3. Press [Administrator Tools].

d1420098

4. Press [Machine Data Encryption Settings].



d1420099

5. Please confirm whether the encryption has been completed or not on this display.

Print the encryption key

Use the following procedure to print the key again if it has been lost or misplaced.

1. Press the [User tools/Counter] key.
2. Press [System Settings].
1. Press [Administrator Tools].
2. Press [Machine Data Encryption Settings].

If this item is not visible, press [Next] to display more settings.

1. Press [Print Encryption Key].

Encryption key sample

Machine Data Encryption Key

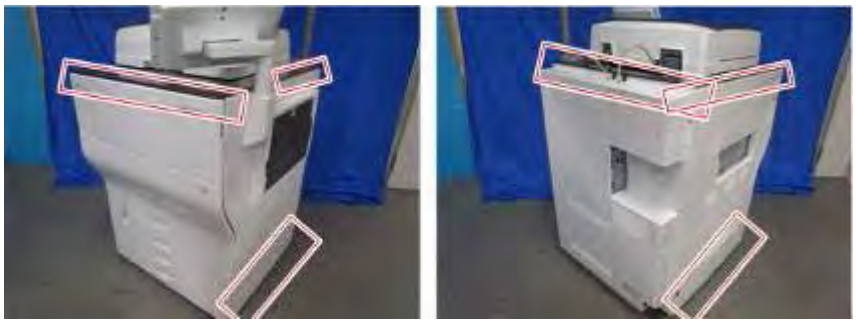
This is an encryption key which allows you to protect confidential data stored in the machine.
It is essential that the safekeeping and destruction of this encryption key be under your direct responsibility.
Data saved and programmed on the machine (documents, image data, setting values, address book contents etc.) can be encrypted/decrypted with this encryption key.
If the machine breaks down, saved and programmed data in the machine can only be restored by entering this encryption key.
(Please note that it may not be possible to restore data in certain machine breakdown cases.)
The machine data encryption key will remain valid as long as the encryption is not cancelled or the encryption key is not changed.
After changing or cancelling the encryption key, please shred this document to destroy confidential data.

Output Date/Time:September 03,2010 08:55:25 AM
Machine Type:Aficio MP C400SR
Machine ID:S7500717304
Machine Data Encryption Key:
6pFFFGH#EBiYkPafBJz6YE$wYXx

The encryption key is printed out as a sheet of paper like the example shown.
Please instruct the customer to keep it in a safe place.

2.2.7 MOVING THE MACHINE

1. Turn off the main power switch, and then unplug the power cable from the main machine.
2. Close all the doors and trays that are openable and closable.
3. Follow all the precautions below when moving the machine.
   - Do not put a load on the ADF
   - Do not wander in front of the machine. The trays and drawer unit may come out.
   - When moving the machine, push the machine instead of pulling the machine. Pulling the machine may cause damage to the covers.
   - When pushing the machine, push the upper side of the machine in the areas marked with red rectangles below. If you move the machine over an uneven surface, insert your hands under the machine at the places marked with red rectangles below, and then lift the machine slightly to get over the uneven surface.



Note

- Do not push or lift the locations marked with red rectangles below. You may damage the machine.

d1350057

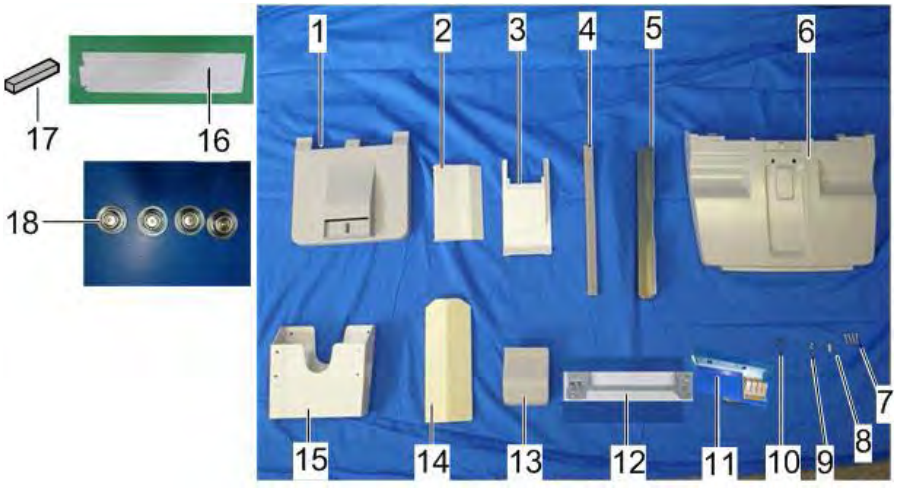
d1350058

⇒ 2.3 FINISHER SR4090 (D703) /BOOKLET FINISHER SR4100 (D704)

2.3.1 ACCESSORY CHECK

Check the quantity and condition of the accessories against the following list.

No	Description	Q'ty	
		SR4090	SR4100
1	Lower output tray	-	1
2	Shift Auxiliary Tray (use only when the Multi-Folding Unit FD4000 is installed)	1	1
3	Proof Auxiliary Tray	1	1
4	Cushion (with double-sided tape)	1	1
5	Docking Bracket	1	1
6	Upper output tray	1	1
7	Tapping screws – M3 x 6	6	6
8	Screw (Plastic)	2	2
9	Screws– M4 x 20	4	4
10	Tapping screws – M3 x 8	1	1
11	Grounding Plate	1	1
12	Joint Bracket	1	1
13	End Fence for lower output tray	-	1
14	Proof Support Tray	1	1
15	Tray Holder	-	1
16	Cover: Right Upper	1	1
17	Seal: Coupling	1	1
18	Holder: Stand	4	4



2.3.2 INSTALLATION PROCEDURE

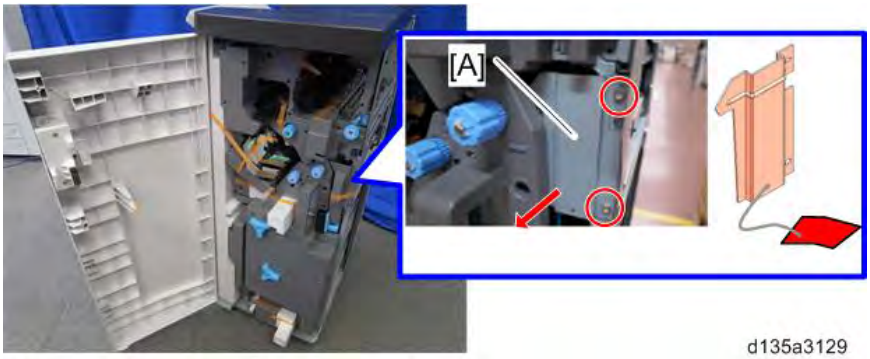
⚠CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

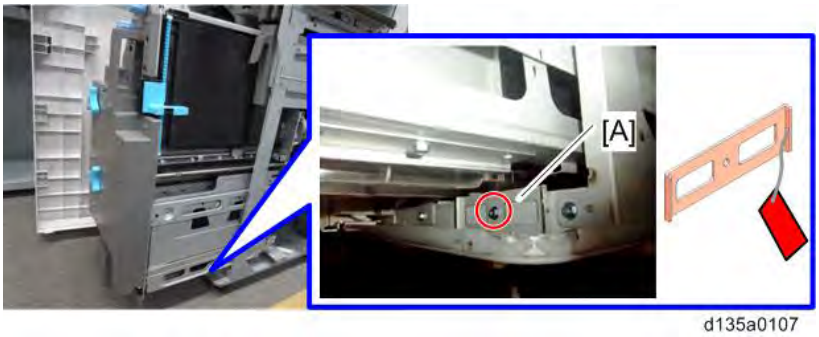
1. Unpack the finisher and remove all tapes and packing materials from the finisher.

2. Open the front door [A], and then remove all tapes and packing materials from the inside of the finisher.
3. Pull out the jogger unit [B], and then remove all tapes and retainers.

4. Remove the upper bracket with the red tag attached [A] (x 2).



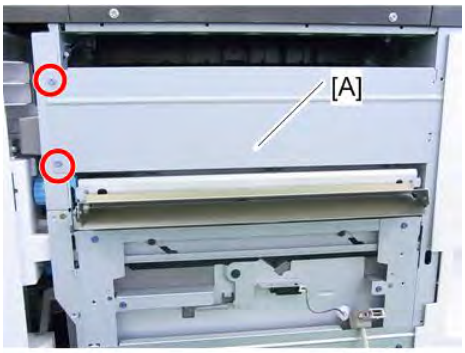
5. Remove the lower bracket with the red tag attached [A]. (x 2)



6. Install the docking bracket [A] on the finisher. (x 2; M3 x 6)

d1351188

7. Attach the Cover: Right Upper [A] to the finisher. (x 2)



d1359952a

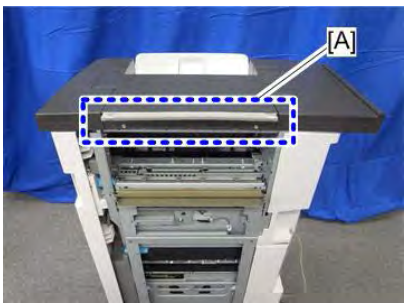
Note

If the Cover Interposer Tray CI4010 (D711) is to be installed, DO NOT attach the Cover: Right Upper.

8. Install the ground plate [B] on the finisher. (x 2; M3 x 6)

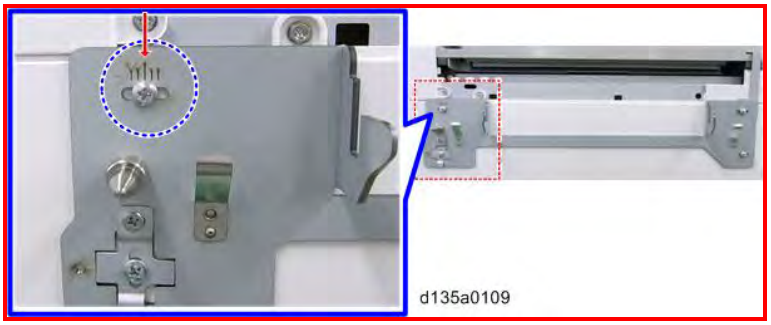
d1351189

9. Attach the cushion [A] to the finisher.

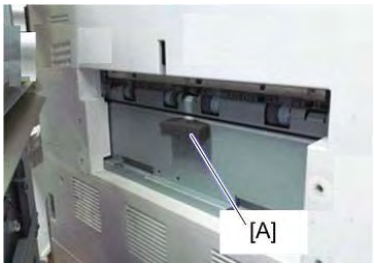


NOTE: Make sure that the cushion is placed within 0 to 1 mm from the edge of the cover.

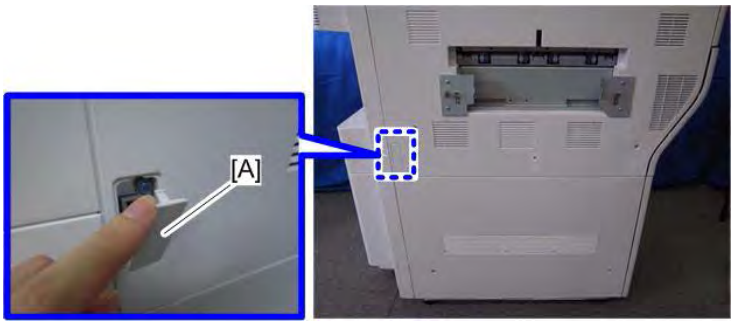
10. Secure the docking bracket [A] with the screws in the center of each elliptical screw hole (x 4; M4x20).



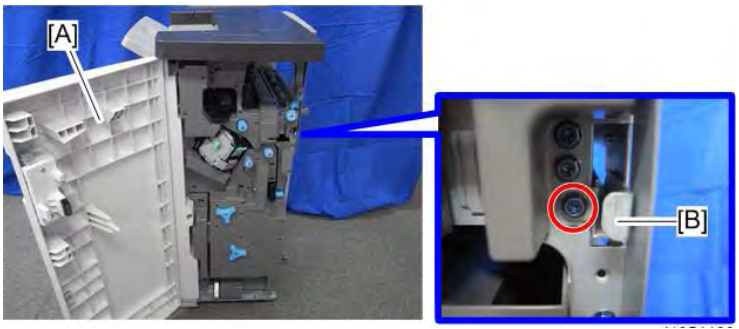
11. Attach the Seal Coupling [A] to the left side of the copier.



12. Remove the connector cover [A] from the main machine.



13. Open the front door [A] of the finisher, and pull the lock lever [B]. (x 1)



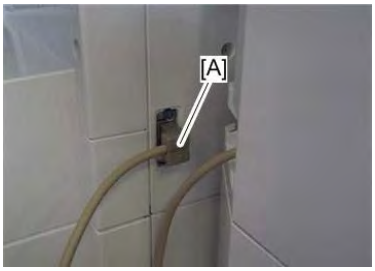
14. Slowly push the finisher against the left side of the machine, keeping its front door open until the brackets go into their slots.

d1351194

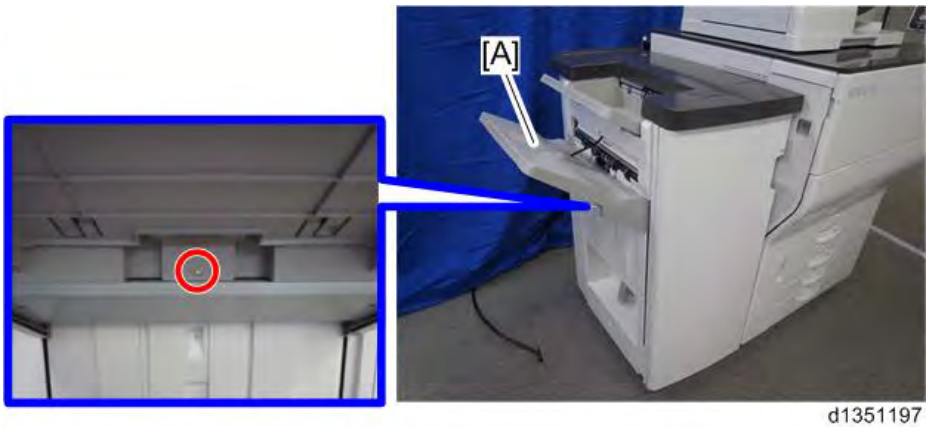
15. Push the lock lever [A], and then secure it (x 1).

d1351195

16. Connect the finisher connector [A] to the machine.



17. Close the front door of the finisher.
18. Install the upper output tray [A] (x 1; M3 x 8).



d1351197

19. Only for D704, install the lower output tray [A].

20. Turn on the main power switch of the machine.
21. Check the finisher operation.
22. Print out five A3 or DLT sheets to the proof tray and check the side-to-side registration as follows:

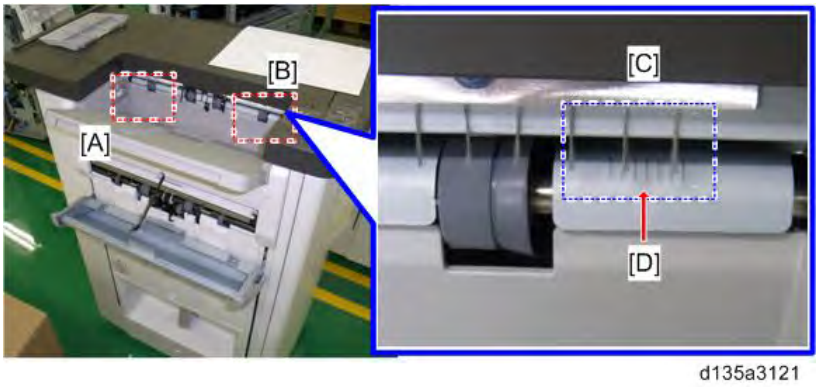
A3 sheets: Use the scale marks on the FRONT exit roller [B].

- If the paper edge lines up with the **center** marking [D], the paper is aligned correctly.
- If the paper edge is aligned with marks to the **right** of center, the paper is shifted toward the **front** (operator) side.
- If the paper edge is aligned with marks to the left of center, the paper is shifted toward the **rear** (non-operator) side.

DLT sheets: Use the scale marks on the REAR exit roller [A].

Check the side-to-side registration in the same way, using the rear rollers.

23. If side-to-side registration is shifted, correct the shift.



[A]: Scale marks for DLT
[B]: Scale marks for A3
[C]: 7 scale marks at 2mm intervals
[D]: Center mark

24. Print out some sheets with center-folding and make sure that the folding line is not misaligned or shifted.

Important

If the folding line is misaligned or shifted, correct the misalignment or shift.

Auxiliary Trays

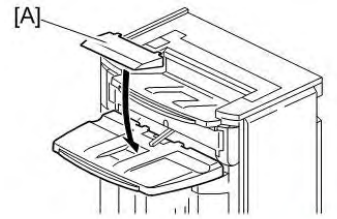
Make sure that the customer understands the following points about these auxiliary trays:

- The trailing edges of excessively curled or Z-folded paper can activate the tray full sensors before the tray is actually full.

- Once the "Exit Tray Full" message displays, the job cannot continue until some sheets are removed from the tray which is only partially full. The trays are designed to prevent this problem.

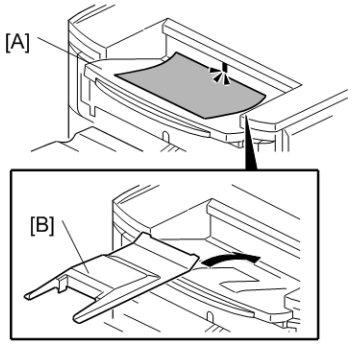
Shift Auxiliary Tray

Install the shift auxiliary tray [A] ONLY when the “Multi-Folding Unit FD4000 (D615)” is included in the configuration. Note that the Shift Auxiliary Tray [A] may generate unexpected side effects, for example, paper jams caused by displaced paper height detection feeler [B].



Proof Auxiliary Tray

Install the proof auxiliary tray [B] on the proof tray [A] when using the Z-fold function.



Proof Support Tray

Install the proof support tray [A] on the proof tray when the trailing edges of paper are excessively curled.

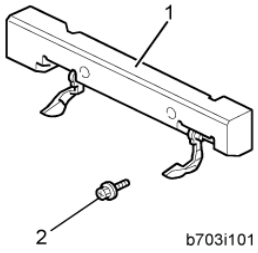
2.4 OUTPUT JOGGER UNIT TYPE M2 (D705)

This option is for the Finisher SR4090 (D703) /Booklet Finisher SR4100 (D704) only.
It jogs the sheets delivered to the finisher shift tray.

2.4.1 COMPONENT CHECK

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Jogger Unit	1
2	Tapping Screws M3 x 6	2

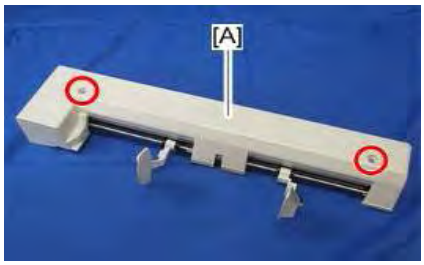


2.4.2 INSTALLATION

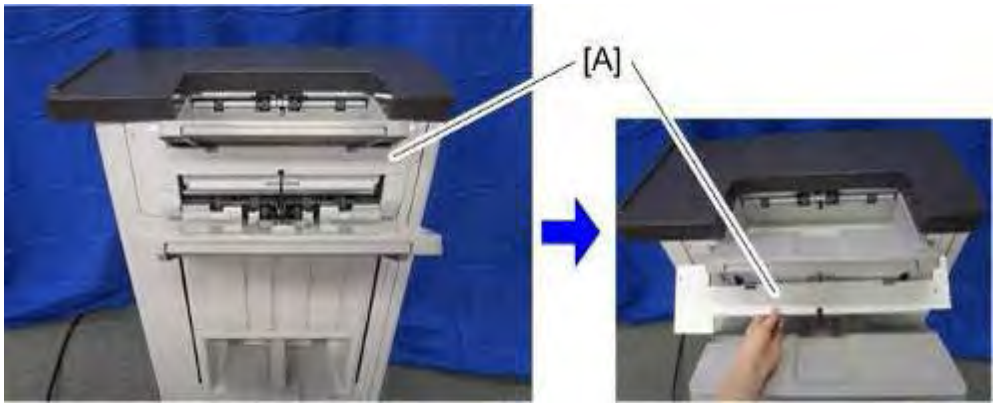
⚠CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

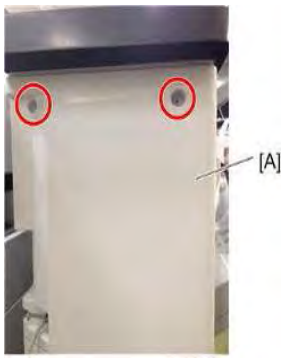
1. Disconnect the finisher from the main frame.
2. Remove the cover plate [A]. (x 2). Keep the screws.



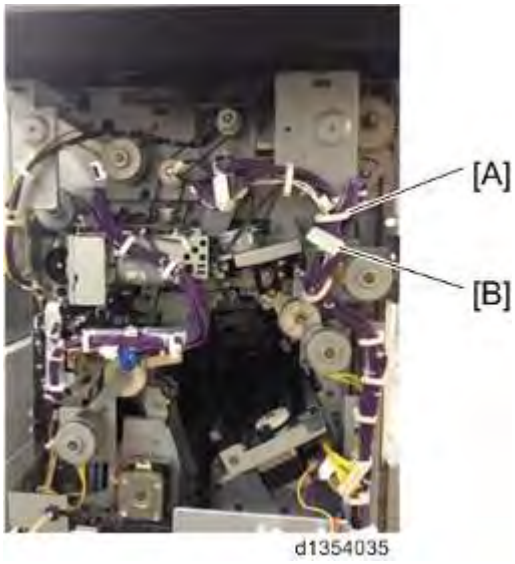
3. Use the flat head of a screwdriver to remove the left upper cover [A]. (hook x 3)



4. Rear cover [A] (x 2)



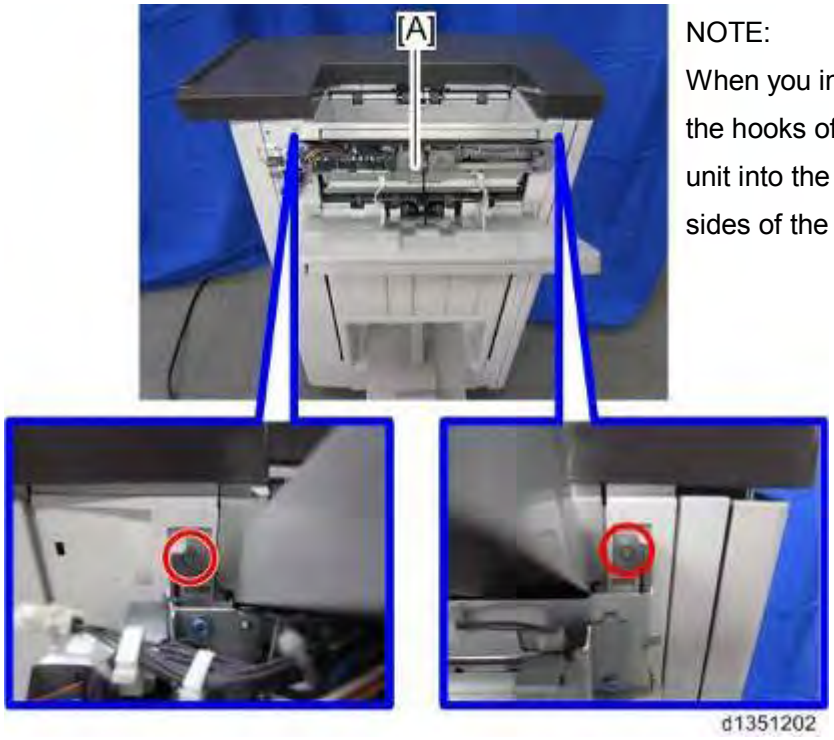
5. Open the clamp [A] to release the connector [B].



6. Connect the connector to the upper left cover and close the clamp..

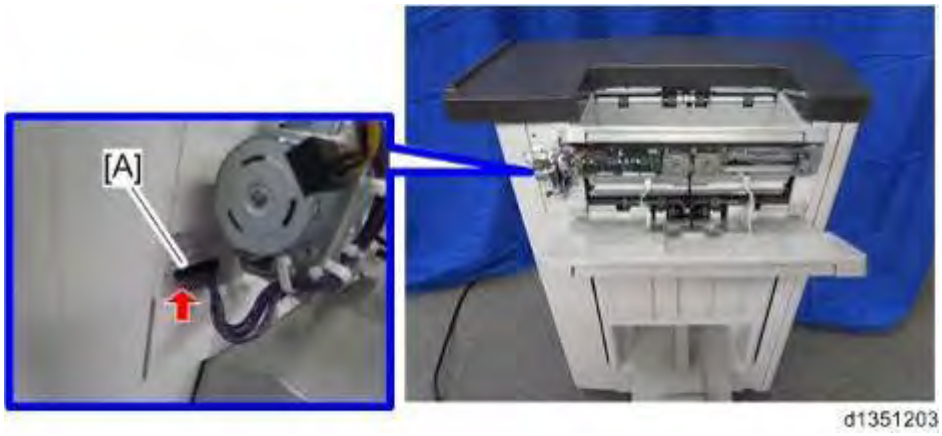
7. Reattach the rear cover [A] (x 2)

8. Attach the jogger unit [A] to the finisher. (x 2)



NOTE:
When you install the jogger unit, put the hooks of the frame of the jogger unit into the holes in the left and right sides of the finisher frame.

9. Fasten the connector [A] of the jogger unit to the socket. (x 1)



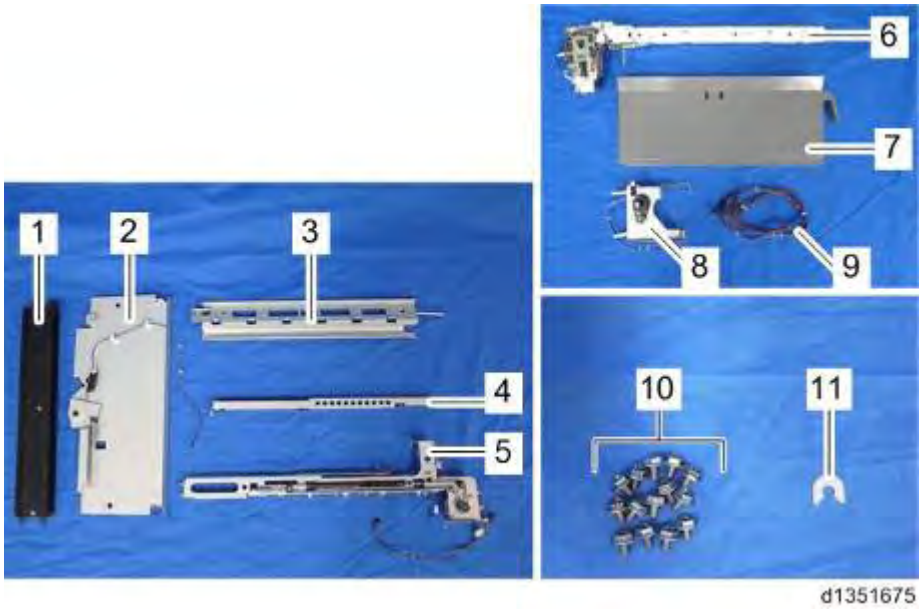
10. Reattach the jogger unit cover [A] to the jogger unit (x 2).

2.5 PUNCH UNIT PU3060 (D706)

2.5.1 ACCESSORY CHECK

Check the quantity and condition of the accessories against the following list.

No	Description	Qty
1	Paper Chip Guide	1
2	Hopper Bracket	1
3	Punch Unit Slide Stay	1
4	Registration Guide Plate	1
5	Registration Sensor Bracket	1
6	Punch Unit	1
7	Punch Waste Hopper	1
8	Stepper Motor Bracket	1
9	Harness Connector Cable-PCB	1
10	Tapping Screw (M3 x 6)	14
11	E-ring	1

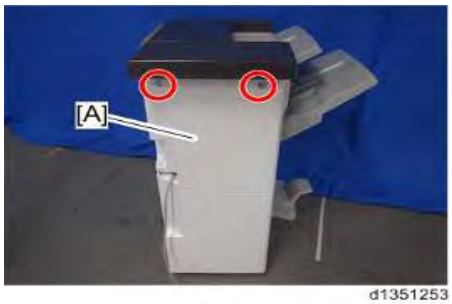


2.5.2 INSTALLATION PROCEDURE

⚠CAUTION

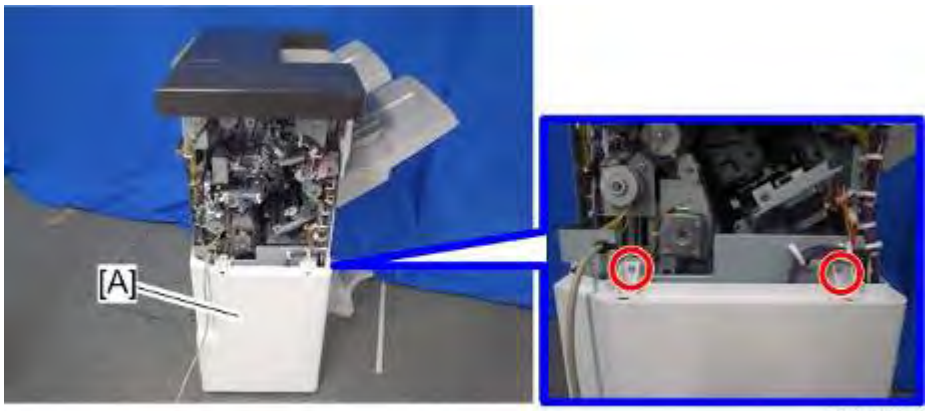
- Always switch the machine off and unplug the machine before doing the following procedure.

1. If the finisher is connected to the machine, disconnect it.
2. If the finisher is installed on the machine, remove it.
3. Remove the rear upper cover [A] of the finisher. (x 2)



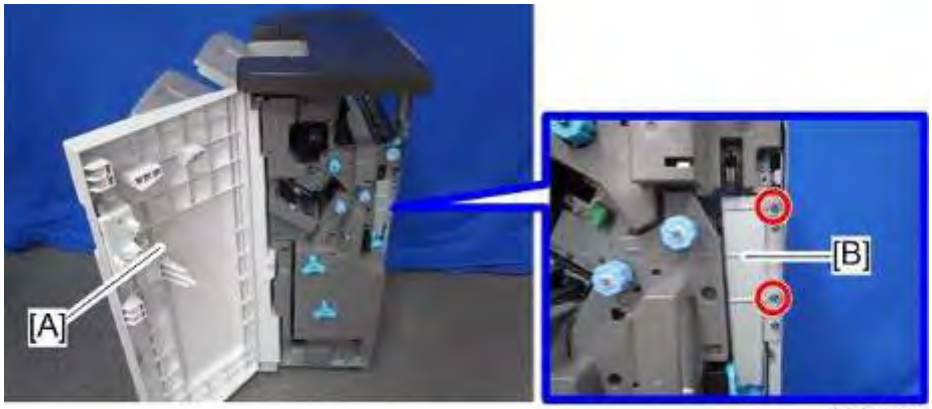
d1351253

4. Remove the rear lower cover [A] of the finisher. (x 2)



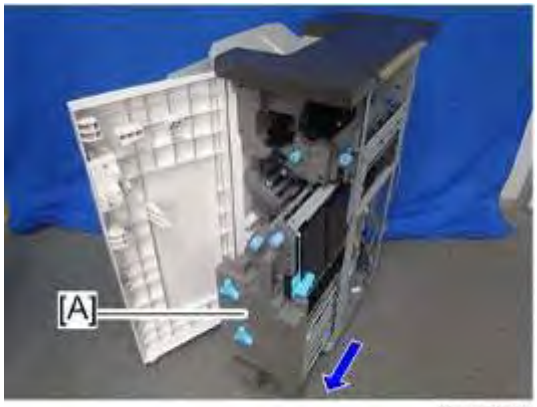
d1351254

5. Open the front door [A], and then remove the punch hopper bracket [B]. (x 2)



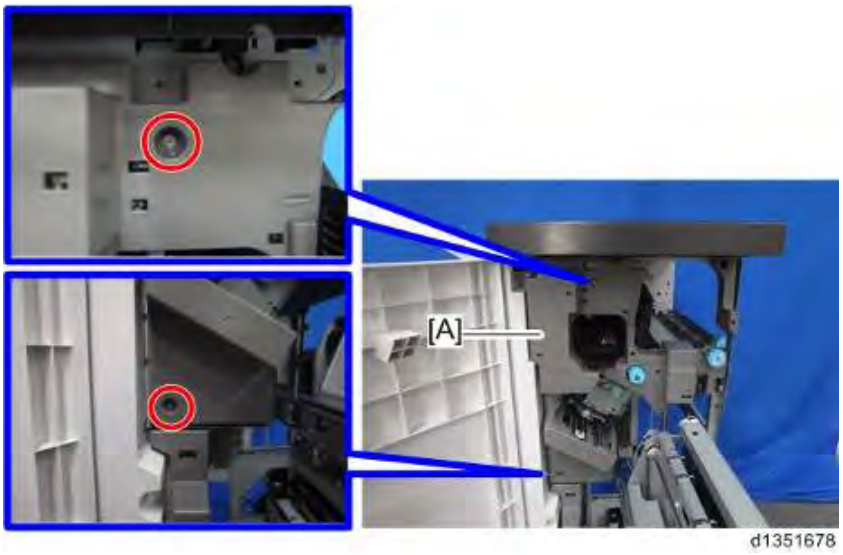
d1351676

6. Pull out the stapling unit [A]. (Booklet Finisher SR4100 (D704) only)



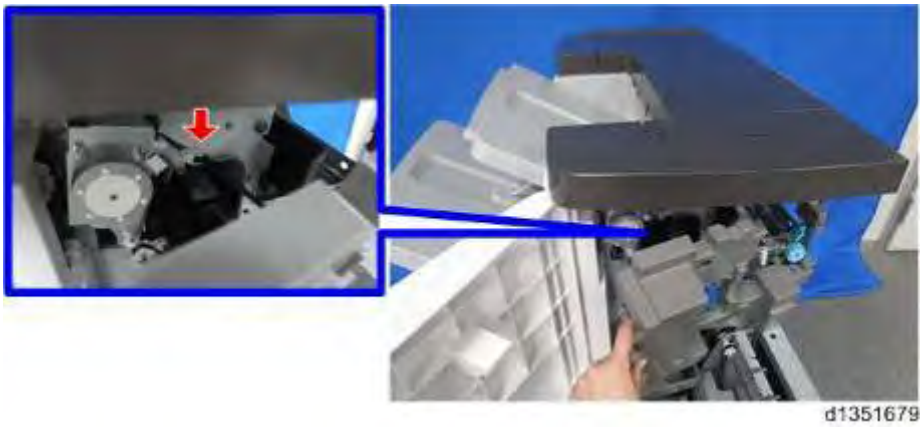
d1351677

7. Remove the inner upper cover [A] from the front side of the finisher. (x 2)

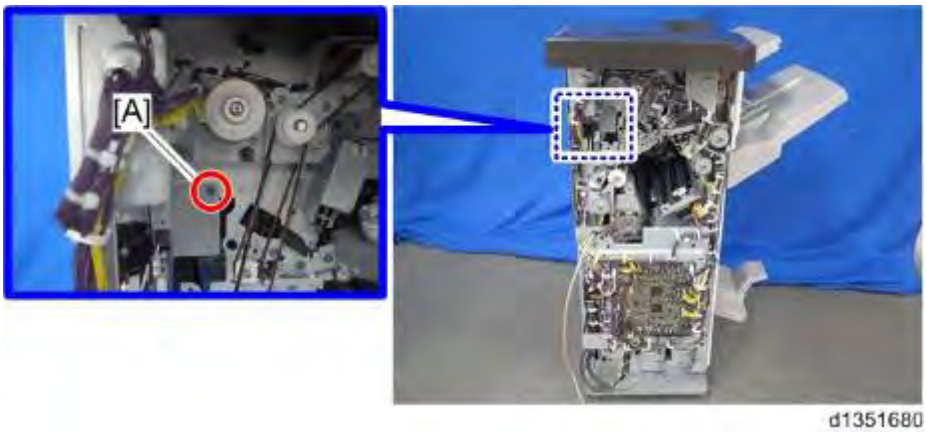


Note

- Disconnect the harness from the back side of the inner upper cover when you remove the inner upper cover.



8. Remove screw [A] of the transport guide plate from the rear side of the finisher. (x 1)



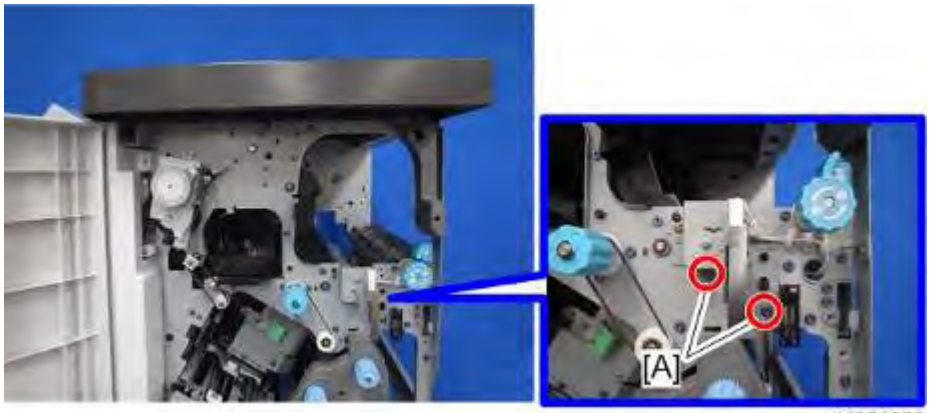
9. Remove the transport guide plate [A].

d1351681

10. Install the punch unit slide stay [A] from the rear side of the finisher.

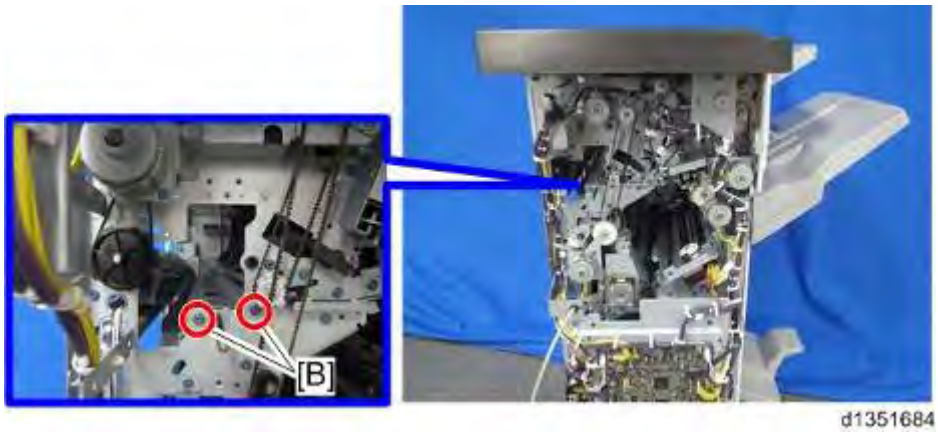
d1351682

11. Fasten the punch unit slide stay. (Front side [A]: x 2, Rear side [B]: x 2)
    - Front side:



d1351683

    - Rear side:



d1351684

12. Insert the paper chip guide [A] into the finisher as shown below.

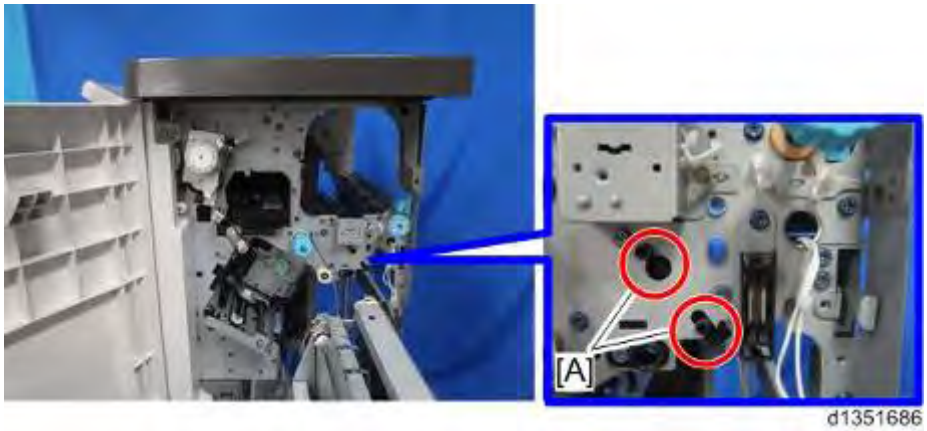
d1351685

13. Install the paper chip guide. (Front side [A]: hook x 2, Rear side [B]: hook x 2, snap ring x 1)

Note

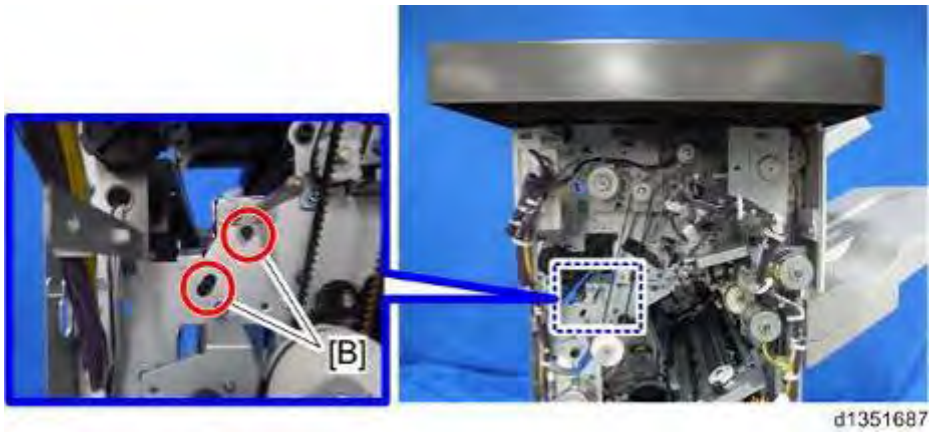
- Hook the paper chip guide onto the front side of the finisher first, and then hook it onto the rear side of the finisher.

- Front side:

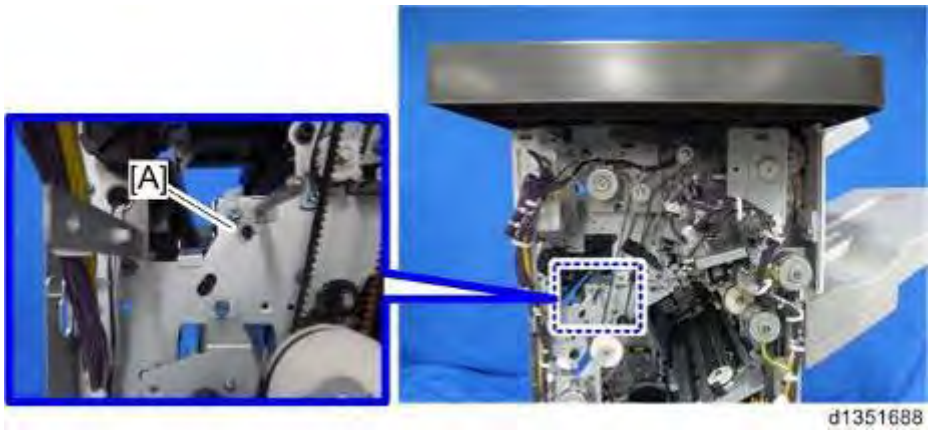


d1351686

- Rear side:

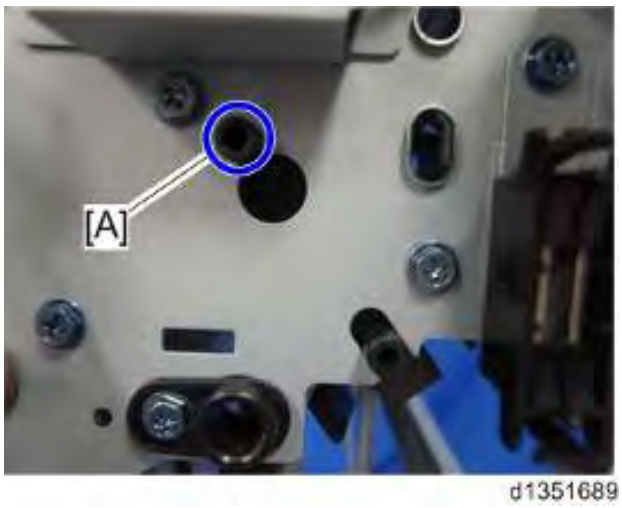


14. Fasten the paper chip guide with an E-ring from the rear side of the finisher. (snap ring x 1)

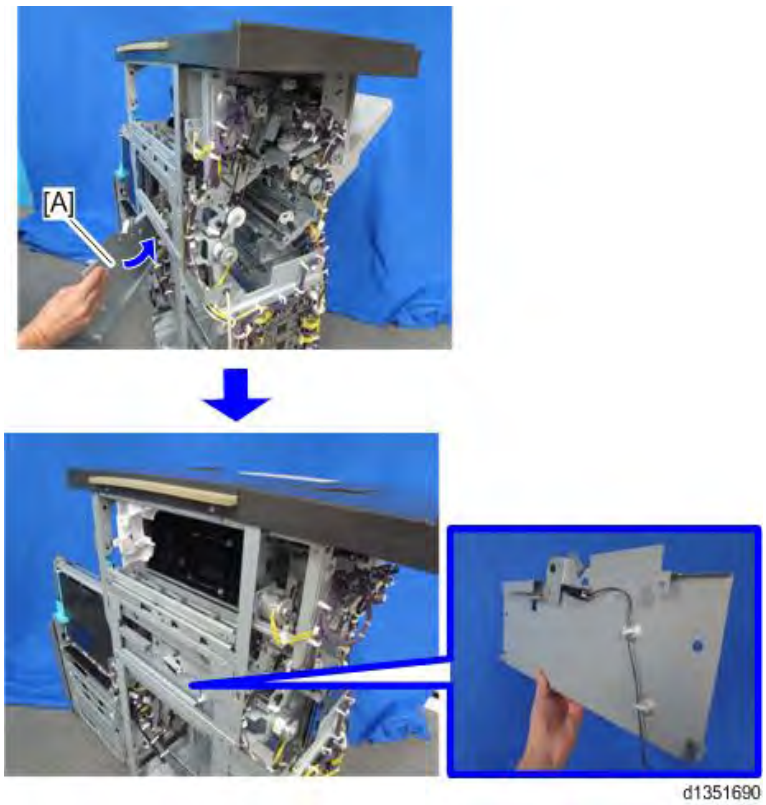


Note

- When fastening the paper chip guide with the snap ring, make sure the front side of the paper chip guide is hooked onto the small-diameter slot [A].

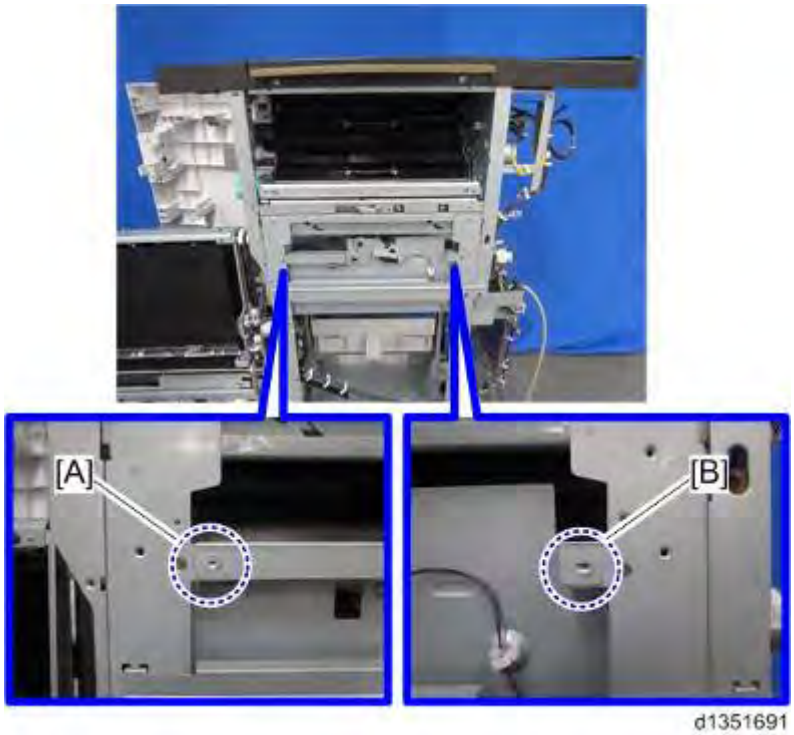


15. Insert the hopper bracket [A] into the finisher as shown below.



d1351690

16. Hook the hopper bracket onto the frame [A] [B] of the finisher.



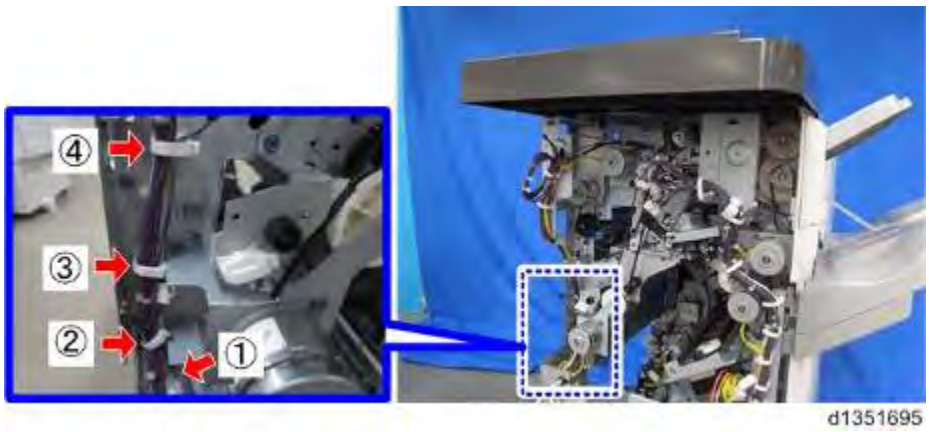
d1351691

NOTE: Make sure the hooks [A] and [B] of the hopper bracket are also hooked onto the finisher.

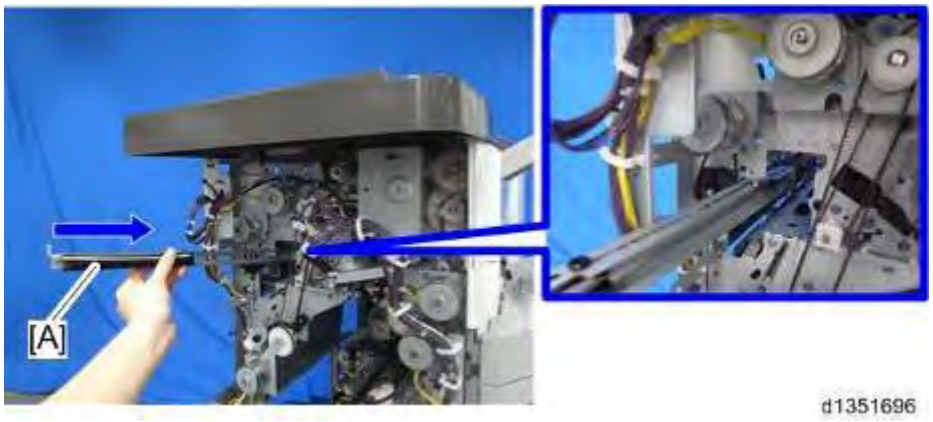
17. Fasten the hopper bracket [A]. (x 2)

18. Route the harness of the hopper bracket [A] inside the finisher as shown.

19. Route the harness of the hopper bracket to the rear side of the finisher. (locking edge saddle x 1, x 3)

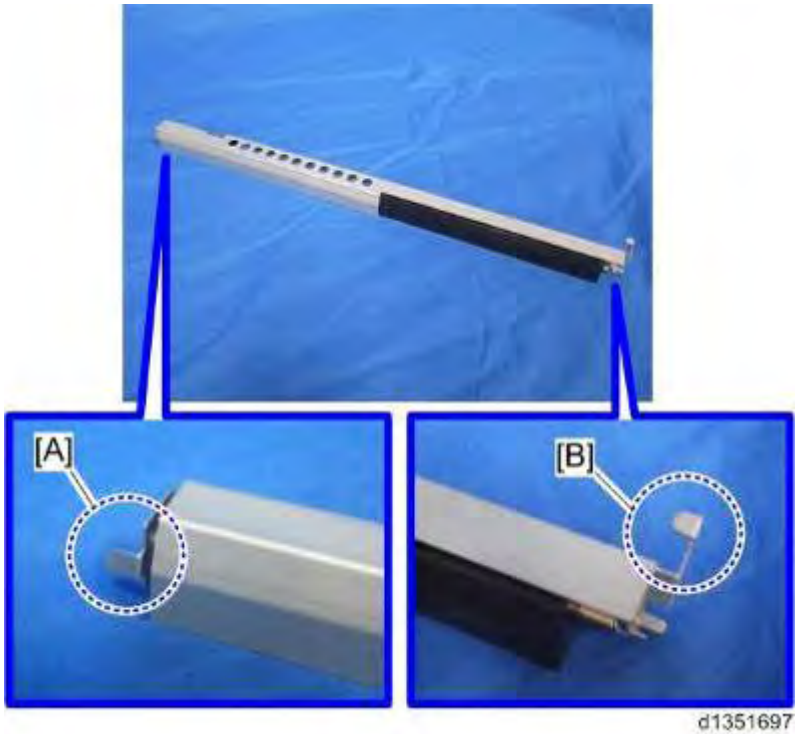


20. Insert the registration guide plate [A] from the rear side of the finisher.

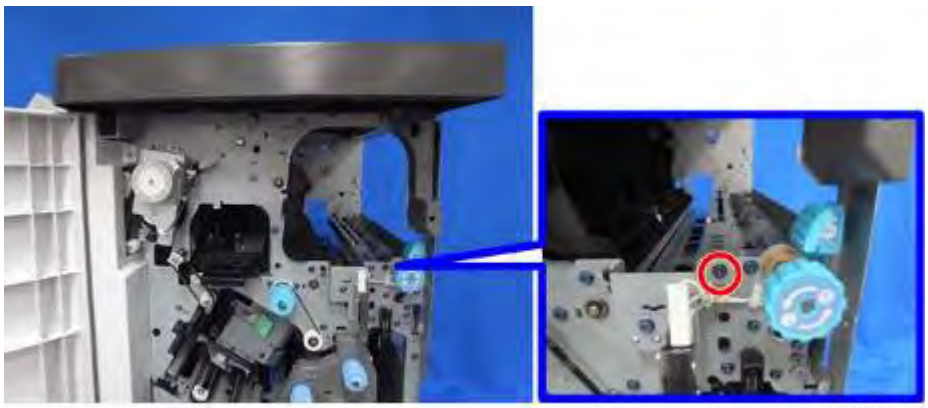


Note

- Hook [A] and [B] of the registration guide plate onto the slotted holes of the finisher.



21. Fasten the registration guide plate. (front side: x 1, rear side: x 1)
    - Front side:

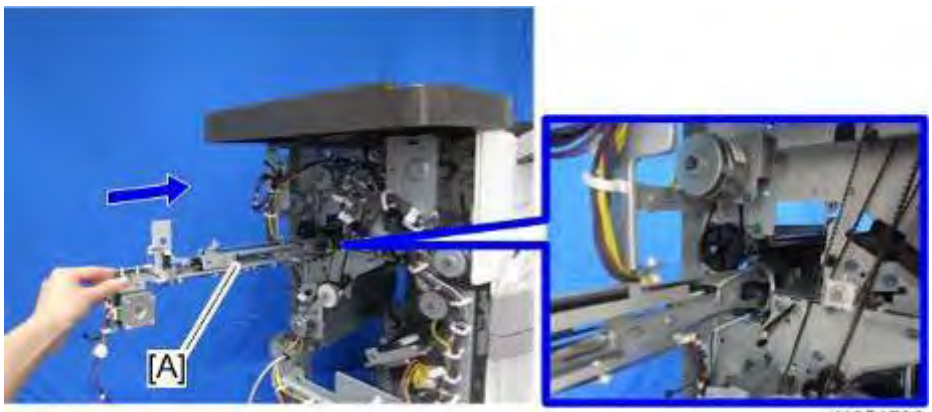


d1351699

- Rear side:

d1351698

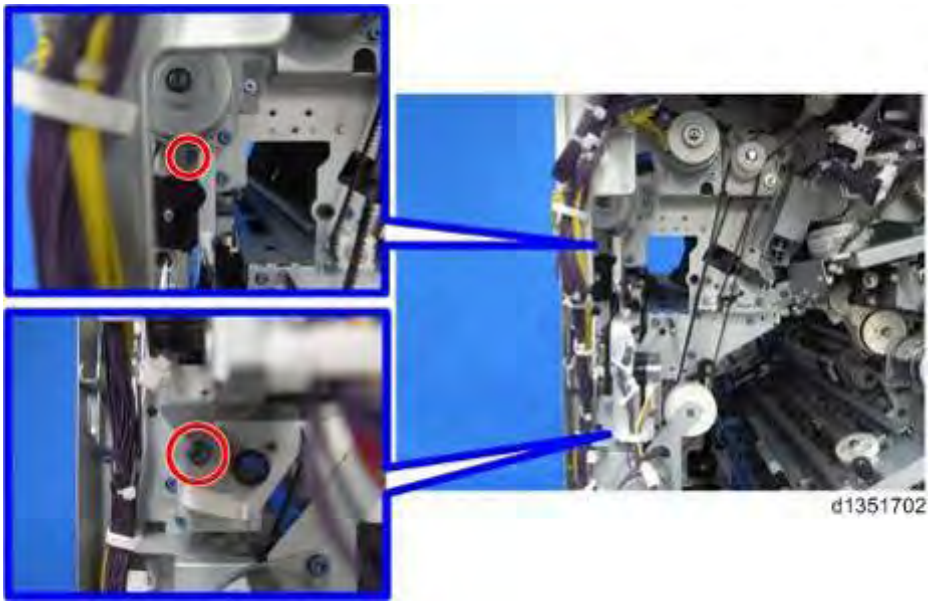
22. Insert the registration sensor bracket from the rear side of the finisher.



d1351700

NOTE:
Hook [A] of the registration sensor bracket into the slotted holes of the finisher.

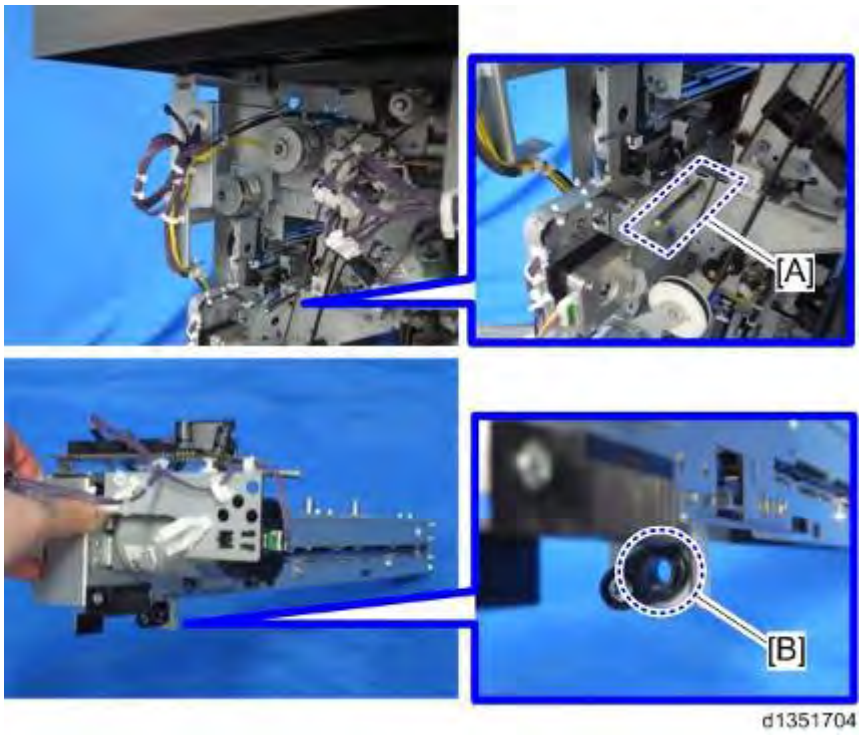
23. Fasten the registration sensor bracket. (rear side: x 2)



24. Inert the punch unit [A] from the rear side of the finisher.

Note

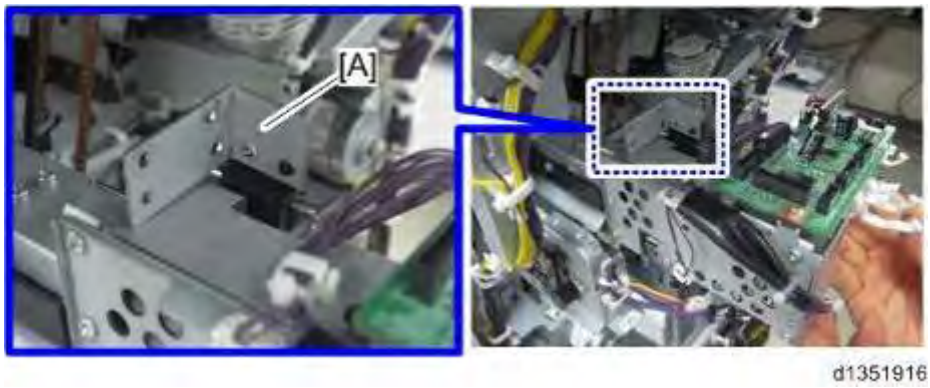
- Make sure the shaft [A] on the finisher is inserted into the punch unit [B].



d1351704

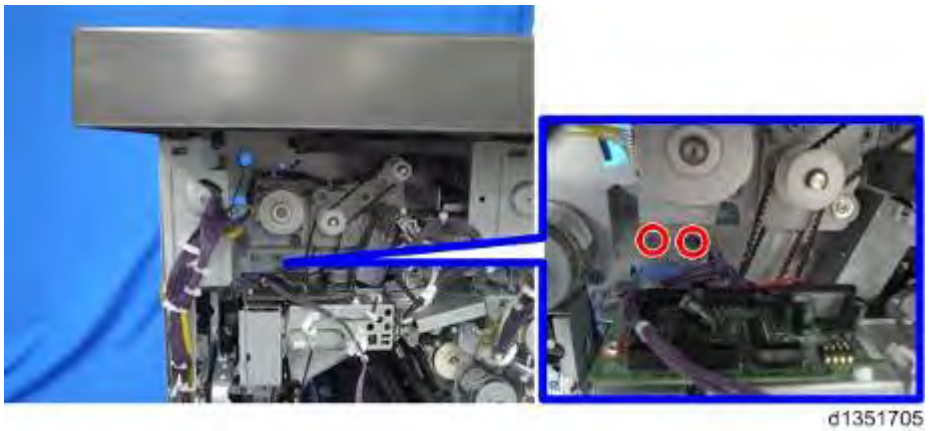
Note

- When inserting the punch unit, make sure the bracket [A] of the punch unit is in the right position as shown below.



d1351916

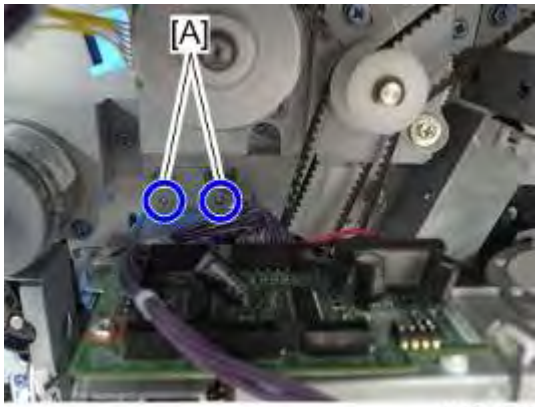
25. Fasten the punch unit. (rear side: x 2)



d1351705

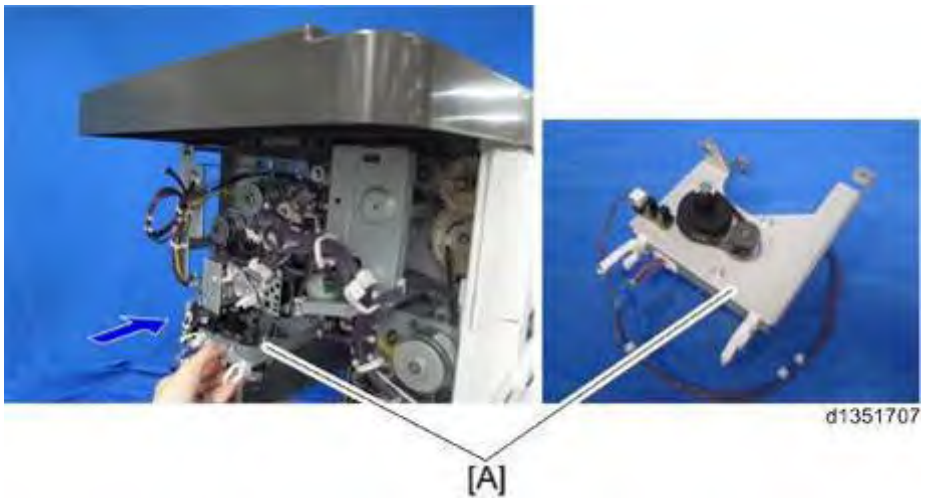
Note

- Make sure the bracket of the punch unit fits the embossed parts [A] on the finisher.



d1351706

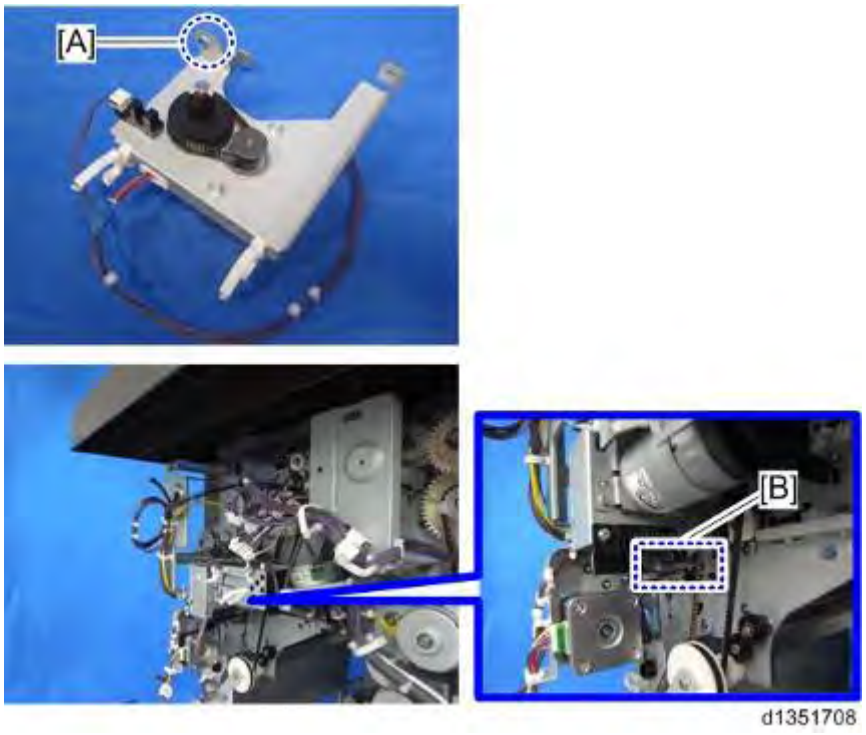
26. Install the stepper motor bracket [A] from the rear side of the finisher.



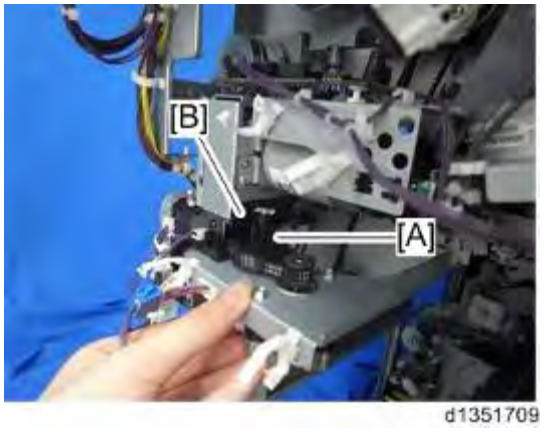
d1351707

Note

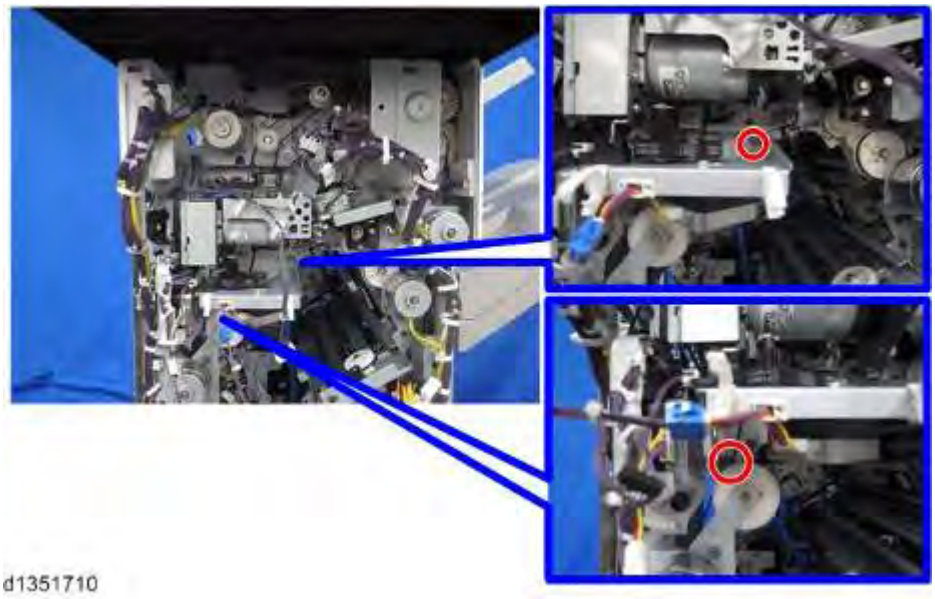
- Insert the hole [A] of the stepper motor bracket into the shaft [B] on the rear side of the finisher.



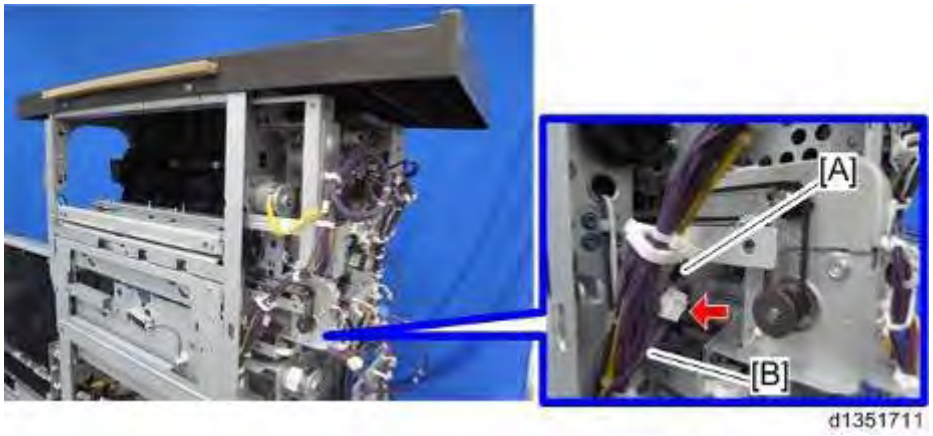
- Make sure the rack [A] of the punch unit is engaging with the pinion [B] of the stepper motor bracket when you insert the stepper motor bracket.



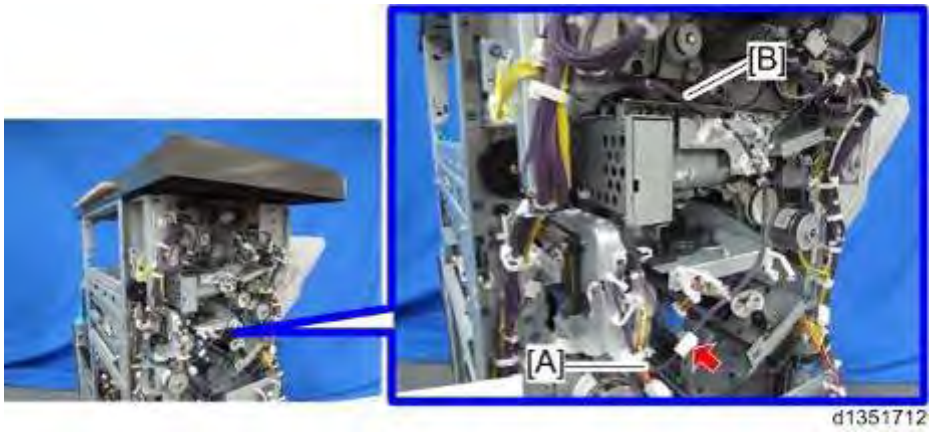
27. Fasten the stepper motor bracket. (x 2)



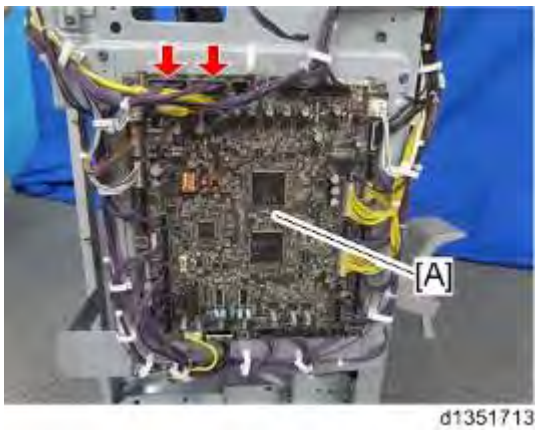
28. Connect the harness [A] of the registration sensor bracket to the harness [B] from the hopper bracket. (x 1)



29. Connect the harness [A] of the registration sensor bracket to the harness [B] from the punch unit. (x 1)



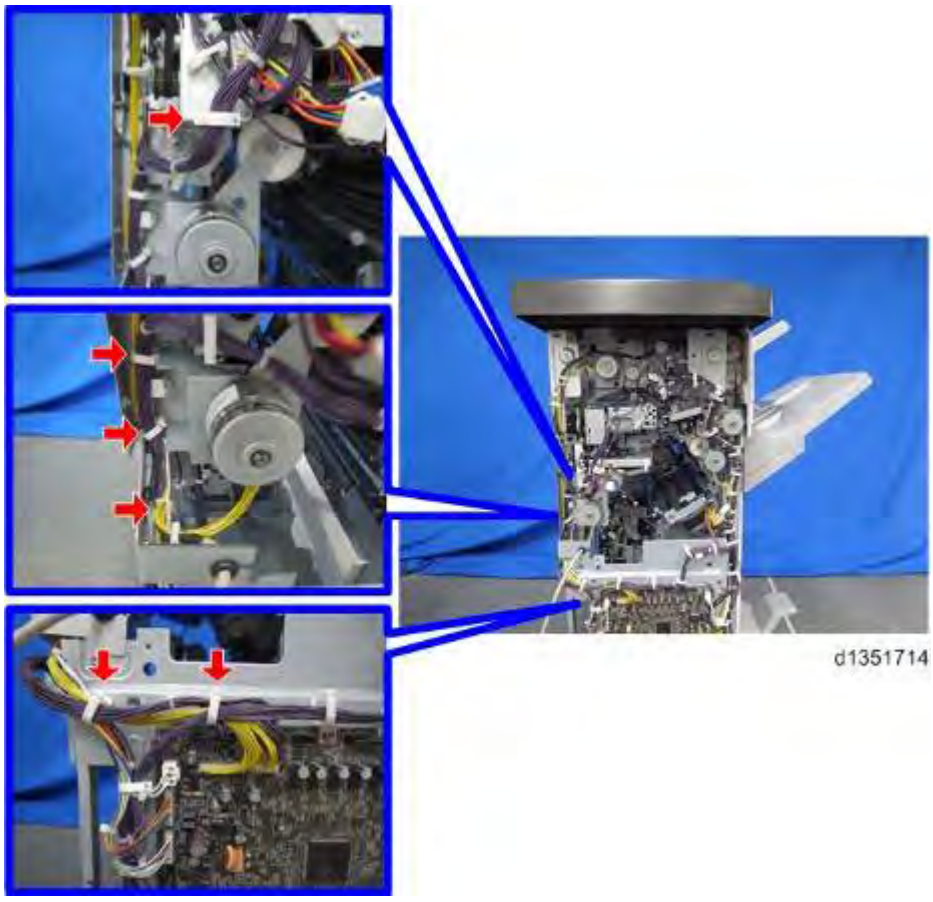
30. Connect the harness connector cable provided with the punch unit to the main board [A] of the finisher. (x 2)



Note

- The end that is split into two connectors must be connected to the main board.

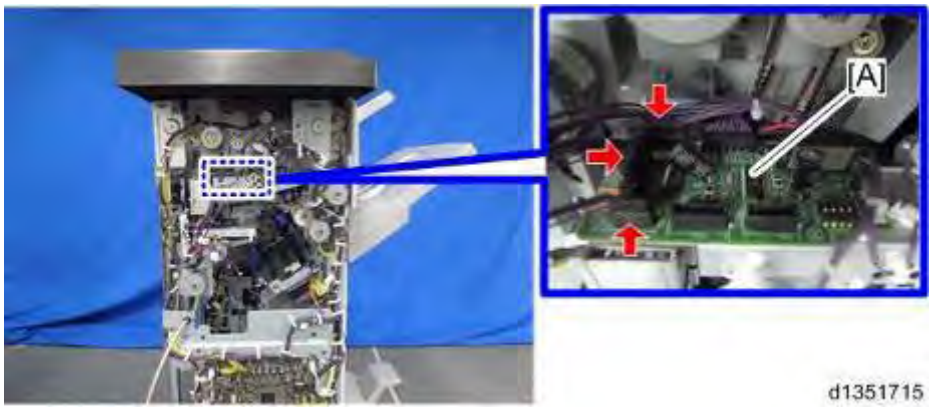
31. Route the harness connector cable as shown below. (x 6)



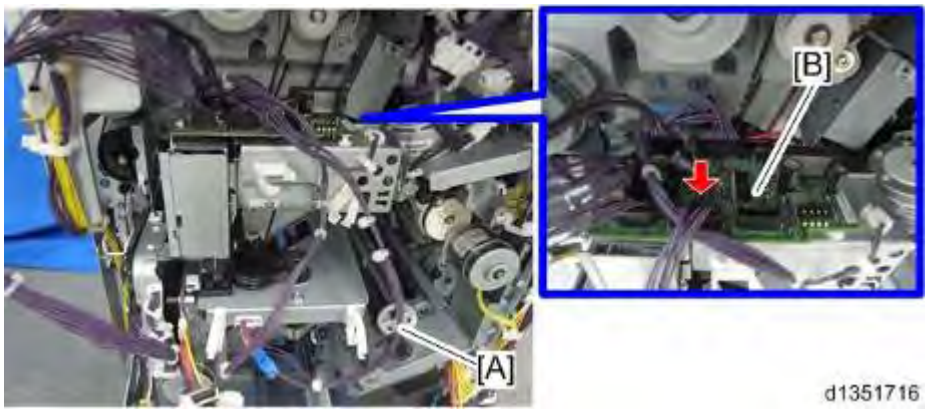
Note

- Route the harness inside the I/F bracket [A] as shown below.

32. Connect the harness connector cable to the PCB [A] on the punch unit. (x 3)

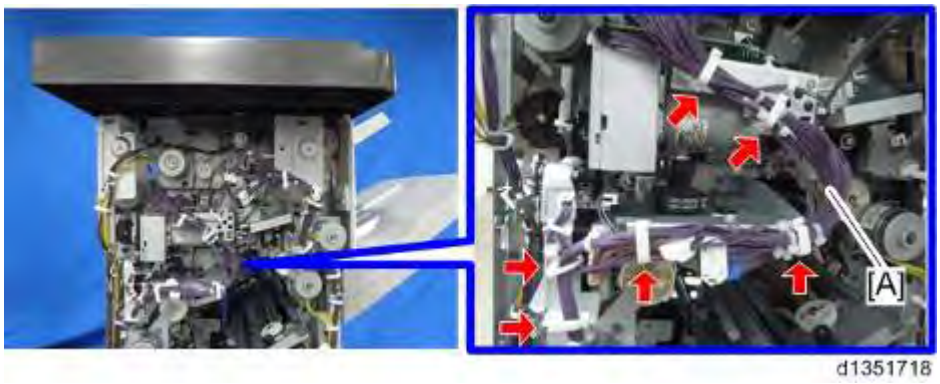


33. Connect the harness [A] of the stepper motor bracket to the PCB [B] in the punch unit. (x 3)



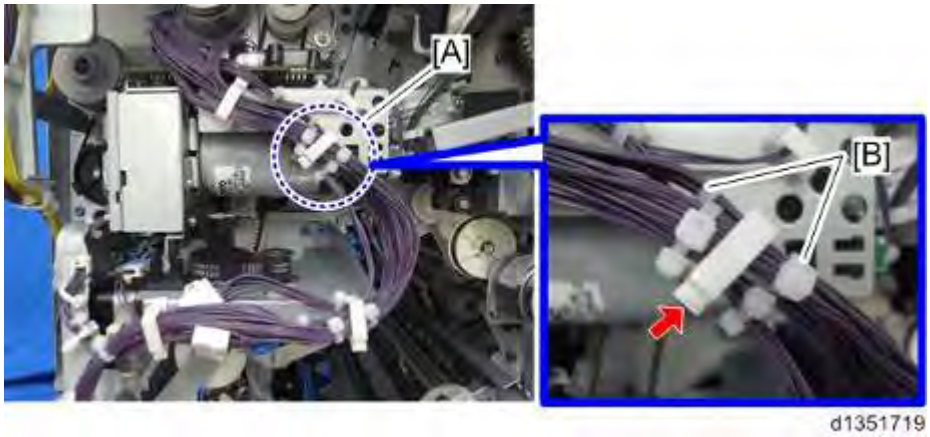
34. Connect the harness [A] of the registration sensor bracket to the PCB [B] in the punch unit. (x 1)

35. Gather the harnesses of steps 32-34 [A] with your hands, and then fasten them with the clamps as shown below. (x 6)



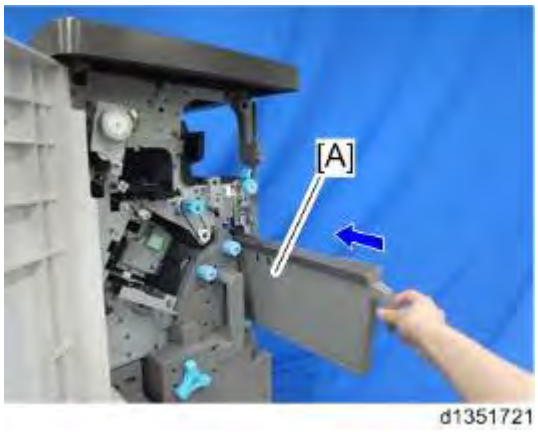
Note

- When you clamp the harness in clamp [A], clamp the harness between the two binds [B].



- Route the harness [A] of the punch unit over the PCB as shown below.

36. Slide the punch waste hopper [A] into the finisher from the rear.



37. Pull back the stapling unit.
38. Re-attach the covers, and then re-install the finisher on the main machine. (☛ page 2-54 "Finisher SR4090 (D703) /Booklet Finisher SR4100 (D704)")
39. Connect the finisher connector to the main machine.
40. Turn on the main power switch of the machine.
41. Check the finisher operation.

⇒ 2.6 FINISHER SR4110 (D707)

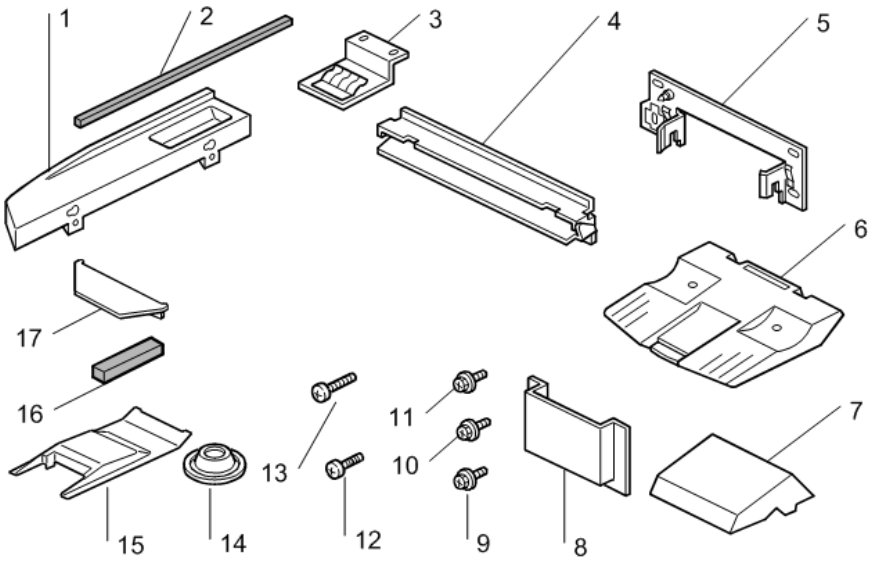
2.6.1 ACCESSORIES

Check the accessories and their quantities against this list.

	Description	Q'ty
1.	Side Tray	1
2.	Sponge Strip	1
3.	Ground Plate	1
4.	Entrance Guide Plate	1
5.	Joint Bracket	1
6.	Shift Tray	4
7.	Support Plate	1
8.	Support Plate Pocket	1
9.	Tapping Screws – M3 x 6	2
10.	Tapping Screws – M3 x 8	4
11.	Tapping Screws – M4 x 8	2
12.	Screws – M4 x 14	4
13.	Screws – M4 x 20	4
14.	Leveling Shoes	1
15.	Support Plate for Shift Tray	1
16.	Coupling Seal	1
17.	Support Plate for Proof Tray	1

Important

- The output jogger unit is pre-installed on this finisher, so it is not an option.



Spacer

A spacer for correcting paper skew is attached to the bottom right of the finisher.

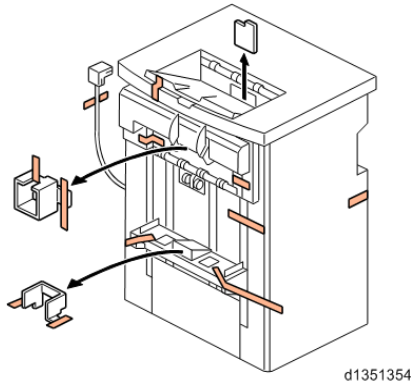
[A]: Spacer for skew correction and side-to-side registration adjustment

2.6.2 INSTALLATION PROCEDURE

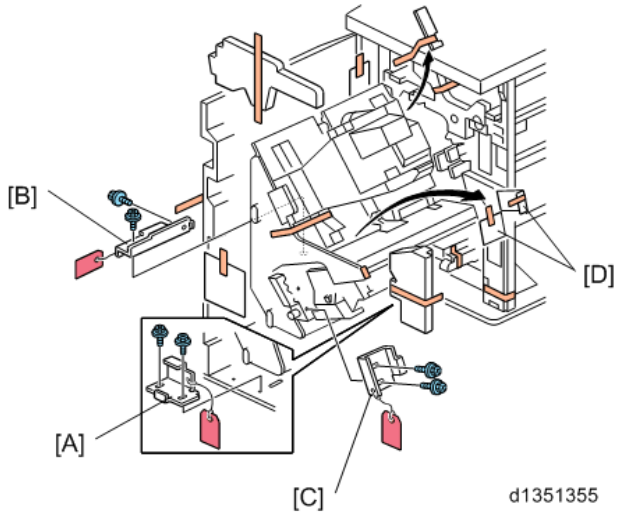
⚠WARNING

- Turn the machine off and disconnect the machine power cord before you do this procedure.

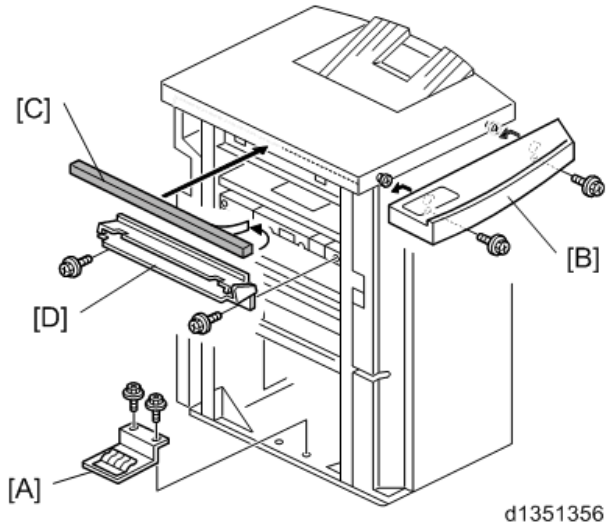
1. Unplug the machine power cord before starting the following procedure.
2. Unpack the finisher and remove all tapes and shipping retainers.



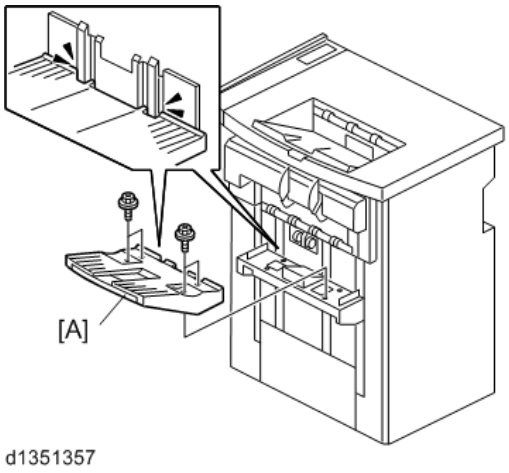
3. Open the front door and remove the shipping retainers.
4. Remove the brackets, tags, and wires in this order: [A]> [B]> [C] (x 2 each).
5. Be sure to remove the two sheets of paper [D].



6. Install the ground plate [A]. (x 2; M3 x 6)
   Set the ground plate so that there is no gap between the plate and the bottom frame of the finisher (as shown).
7. Install the table extension [B]. (x 2; M4 x 8)
   The edge of the table extension should be aligned with the edge of the finisher.
8. Attach the cushion [C] to the right side of the upper cover.
9. Install the entrance guide plate [D]. (x 2; M3 x 6)



10. Insert the shift tray [A] into the grooves and fasten it. (x 4; M3 x 6)



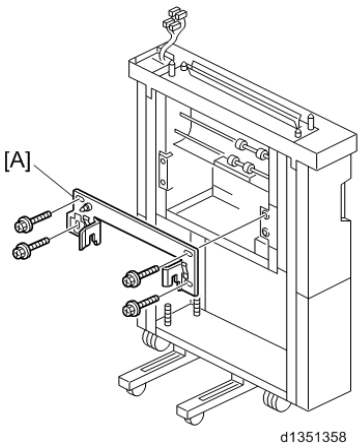
Docking the Finisher D707

The Finisher (D707) is docked to one of the following:

- Multi-Folding Unit FD4000 (D615)
- Cover Interposer Tray CI4020 (D712)
- Buffer Pass Unit Type 5020 (D751) (D137/D138 Only)
- Decurl Unit DU5020 (D727) (D137/D138 Only)
- Main Machine

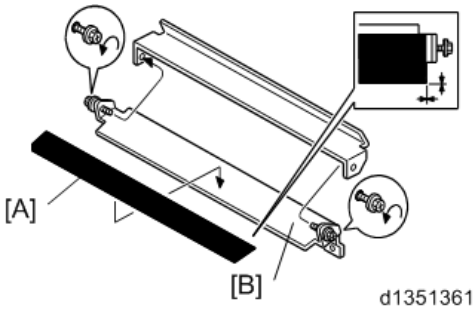
Finisher D707 to Cover Interposer Tray CI4020

1. Fasten the joint bracket [A] to the Cover Interposer Tray CI4020.
2. Dock the finisher. (See “Connecting the Finisher D707”)



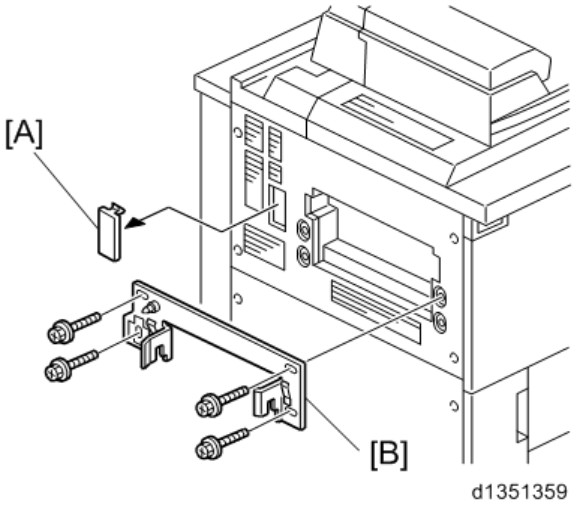
Note

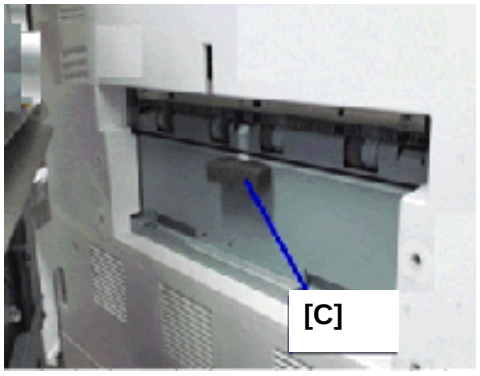
- Attach the black mylar [A] provided with the cover interposer tray accessories to the relay guide plate [B] of the Finisher D707.



Finisher D707 to Main Machine or Other Upstream Unit

1. Remove the connector cover [A].
2. Fasten the joint bracket [B] to the Copier.

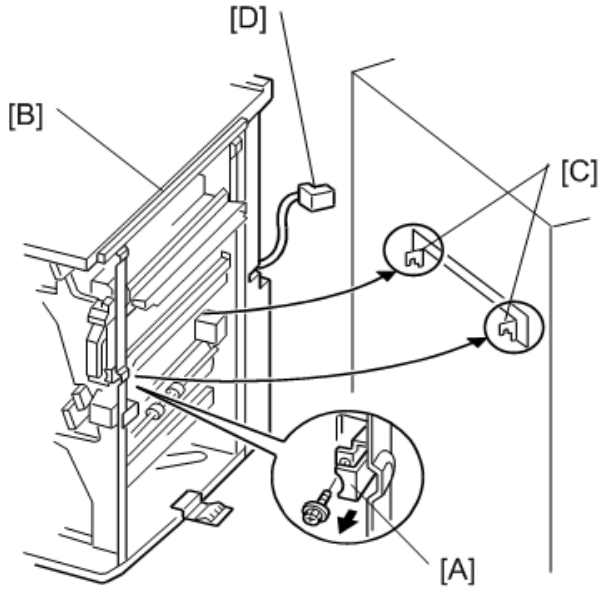




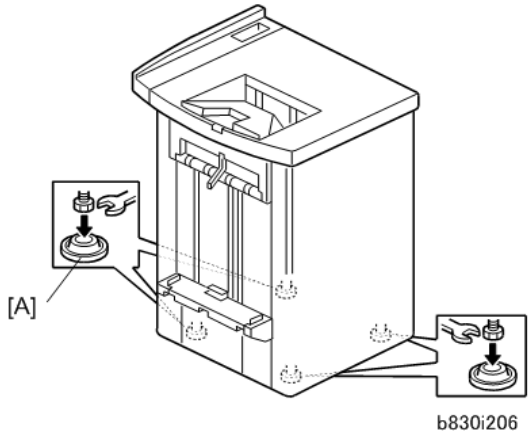
3. Attach the Coupling Seal [C] to the position shown in the photo. (***)
4. Dock the finisher. (See “Connecting the Finisher D707”)

Connecting the Finisher D707

1. Open the front door of the finisher.
2. Pull out the locking lever [A]. (x 1)
3. Align the finisher [B] with the joint brackets [C], then slowly push the finisher onto the brackets.
4. Connect the finisher cable [D] to the copier
5. Push in the locking lever. [A]
6. Check that the top edges of the finisher are parallel with edges of the device (or copier) to the right.
7. Fasten the locking lever [A]. (x 1)



8. Close the front door.
9. Set the leveling shoes [A] (x4) under the feet.
10. Turn the nuts to adjust the height of the finisher until it is level.



How to Use the Spacer to Correct Paper Skew

A spacer for correcting paper skew is attached to the bottom right of the finisher.

[A]: Spacer for skew correction and side-to-side registration adjustment

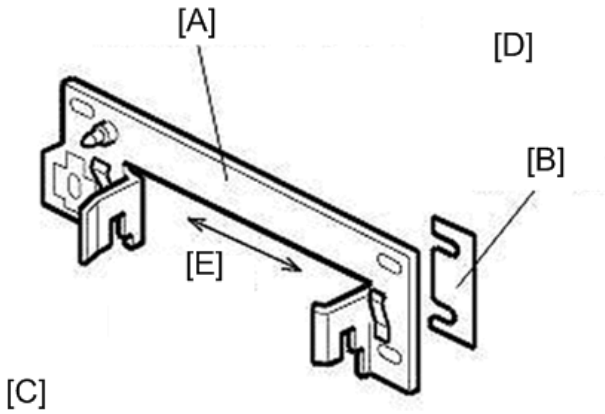
- Check to see if the paper is skewed when it is exited from the machine.
- If skew correction is required, dock the finisher to the copier using the **M4x20** screws included with the finisher.

Note

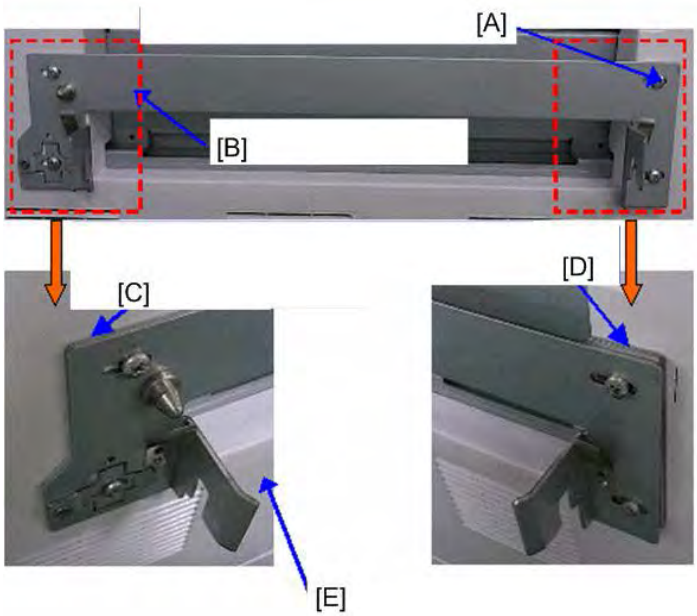
This is because the M4x14 screws will not be long enough when the spacer(s) are attached.

IMPORTANT: When you attach the bracket, attach the spacer(s) as follows:

- If the leading edge is skewed about 2mm toward the **front** (operator) side of the machine, attach a 2mm spacer to the **rear** side of the joint bracket.
- If the leading edge is skewed about 2mm toward the **rear** (non-operator) side of the machine, attach a 2mm spacer to the **front** side of the joint bracket.



[A]: Joint bracket
[B]: Spacer
[C]: Finisher side
[D]: Machine (Mainframe) side
[E]: Adjustable direction



[A]: Screws (with spacer(s): M4x20, without spacer(s): M4x14)

[B]: Joint bracket

[C]: Without spacer

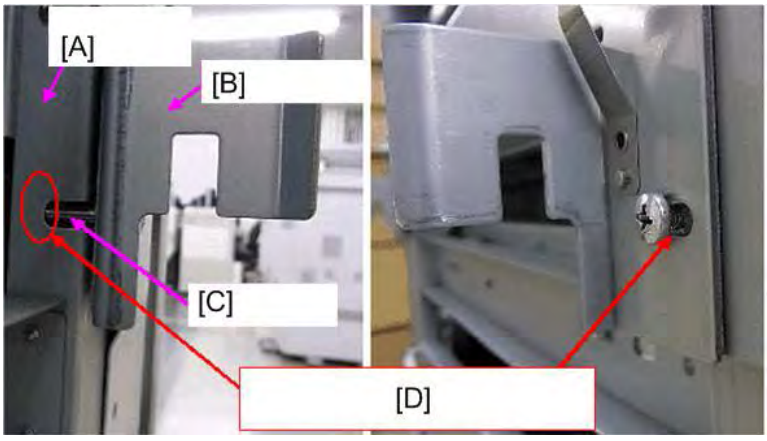
[D]: With 1-2 spacers

[E]: Exterior cover

- If skew correction is **NOT r**equired, dock the finisher to the copier using the **M4x14** screws included with the finisher.

Note

This is because without the spacer, the M4x20 screws are too long and the bracket cannot be fastened in place.



[A]: Folding unit

[B]: Joint bracket

[C]: Screw (M4x20)

[D]: Screw is too long and cannot be fully inserted

2.6.3 SP SETTING

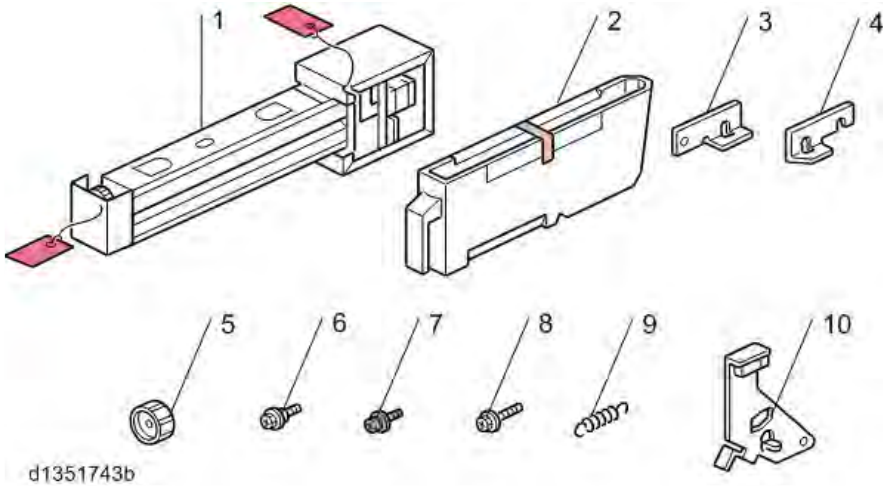
1. Enter the SP mode.
2. Do **SP5841-11** and enter the name of the staples used for corner stapling.
   - This is the name that shows when the user prints the Inquiry List.
   - To print this list push User Tools> [Inquiry]> [Print Inquiry List]> [Start].

⇒2.7 PUNCH UNIT PU5000 (B831)

2.7.1 COMPONENT CHECK

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

No.	Description	Q'ty
1.	Punch Unit	1
2.	Punch Waste Collection Hopper	1
3.	Spacer (2 mm)	2
4.	Spacer (1 mm)	1
5.	Knob	1
6.	Step Screw	1
7.	Screw (M4 x 6) Black	1
8.	Screw (M3 x 10)	2
9.	Spring	1
10.	Sensor Arm and Sensor	1



2.7.2 INSTALLATION PROCEDURE

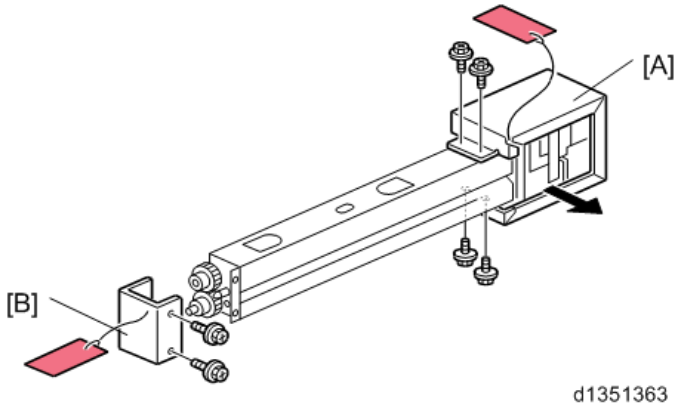
This punch unit is for the D707 finisher only.

⚠CAUTION

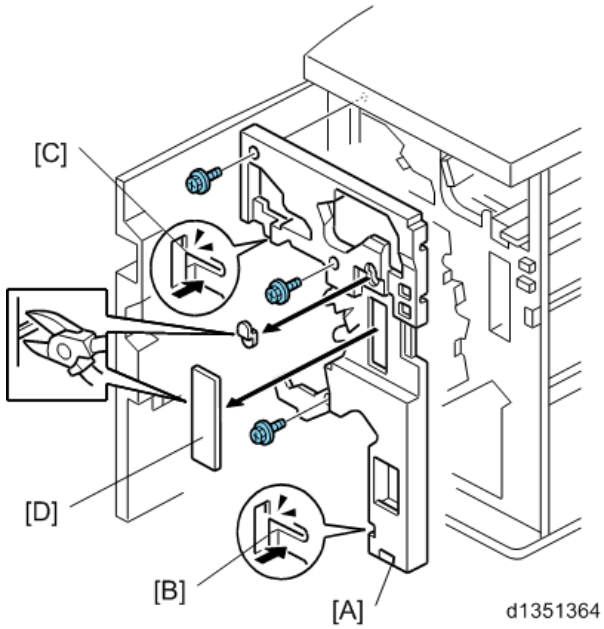
- Switch the machine off and unplug the machine before starting the following procedure.

1. If the finisher is connected to the main machine, disconnect it.
2. Open the front door and remove the rear cover (x 2).
3. Unpack the punch unit and remove the step screw from the lower section of the unit.

4. Remove the motor protector plate [A] (x 4).
5. Remove the cam lock plate [B] (x 2).

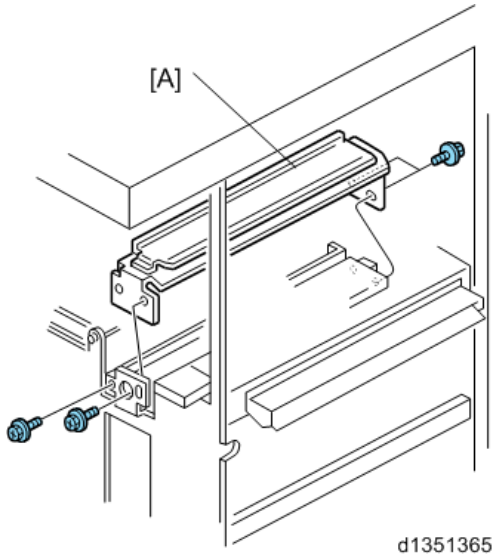


6. Pull out the stapling unit.
7. Remove the inner cover [A] (x 4, M3x8).
8. Behind the inner cover at [B] and [C], press the lock tab to the right to release the inner cover from the frame.
9. Remove the plastic knockouts [D].



10. Remove the rear cover. (x 2)
11. Remove the punch cover [A]. (x 1)

12. Remove the paper guide [A] (x 4).

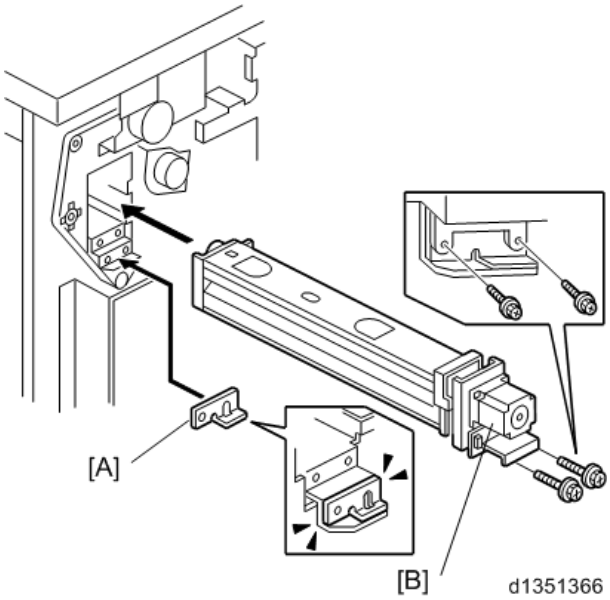


13. Position the 2 mm spacer [A] and attach the punch unit [B] (x 2, M3x10).

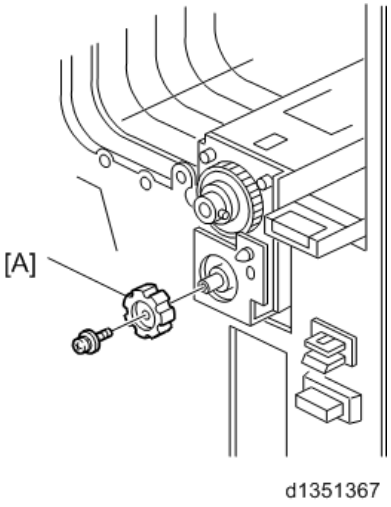
14. Use one of the screws removed from the motor protector plate to fasten the remaining two spacers to the frame as shown.

Note

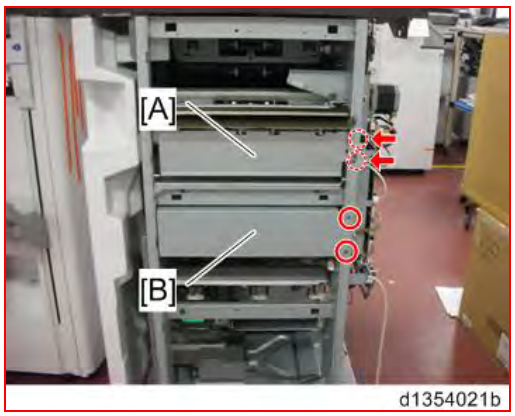
- These extra spacers can be used to adjust the position of the punch holes (front to rear, across the page).



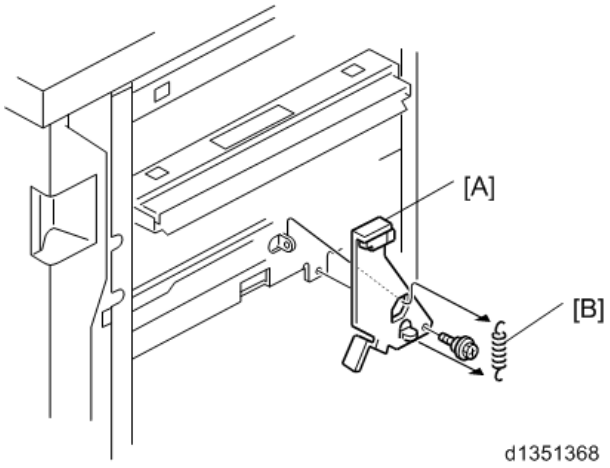
15. At the front, fasten the punch unit knob [A] (x 1, M4x6).



16. Remove the harness cover [A] (x 2) and middle cover [B] (x 2).



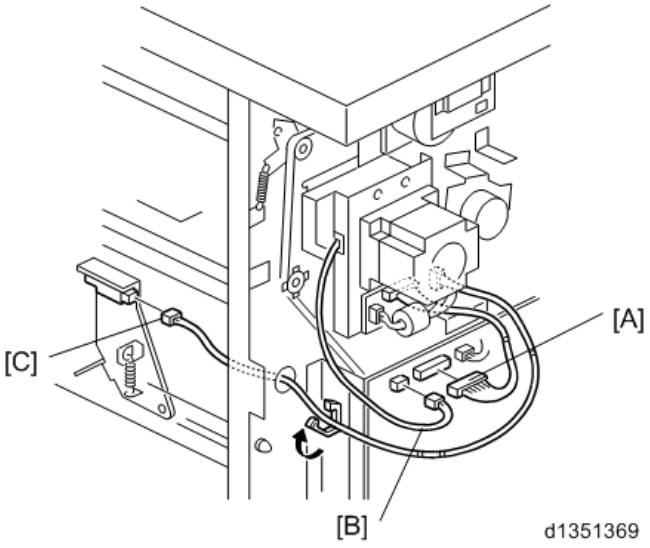
17. Install the sensor arm [A] (x 1, small step screw (M3 x 4). Make sure that the sensor arm swings freely on the step screw.
18. Attach the spring [B].



19. Connect the PCB harness connector [A] to **CN135** of the finisher PCB and to **CN600** of the punch unit PCB.
20. Connect the harness [B] to **CN136** of the finisher PCB.
21. Connect the single end of the hopper full sensor connector cable [C] to the hopper full sensor on the arm (x 1, x 2).

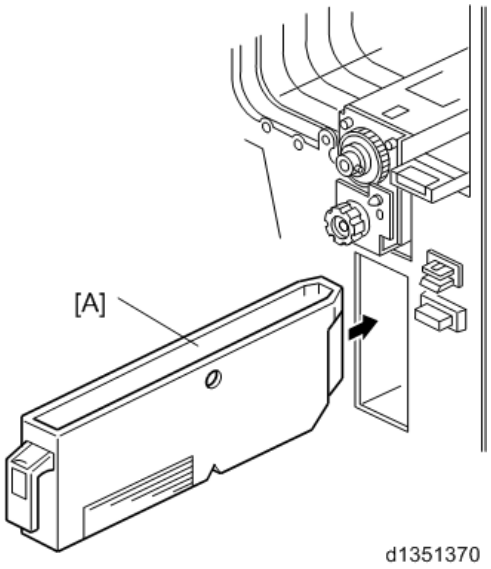
Note

- No special DIP switch settings are required for this punch unit. A signal from the punch identifies itself by sending a signal to the copier.



22. Reattach the harness cover [A] (x 2) and middle cover [B] (x 2).

23. Slide the punch waste collection hopper [A] into the finisher.



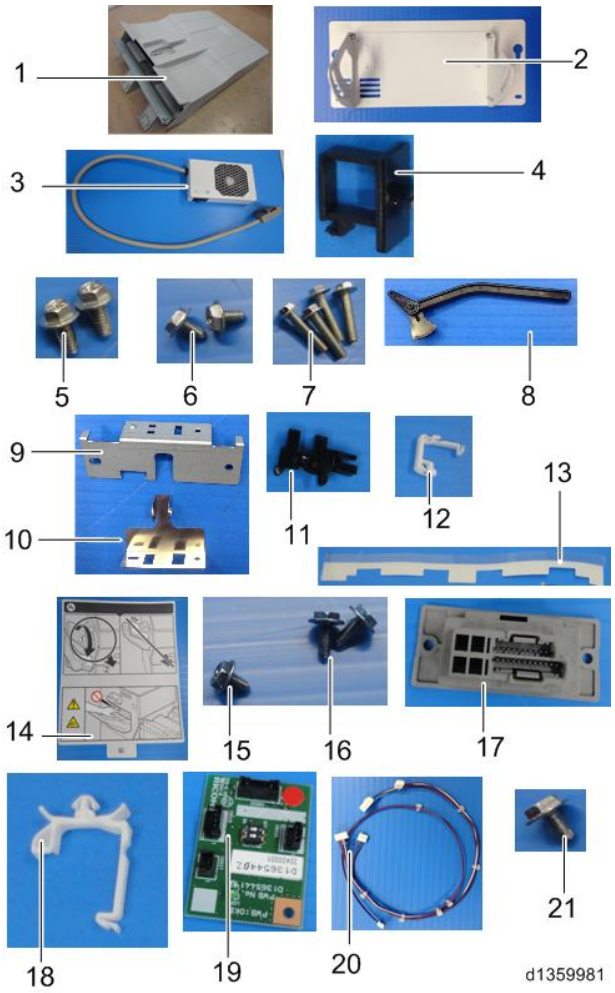
24. Reattach the inner cover and rear cover.
25. Close the front door and re-connect the finisher to the machine.

⇒ 2.8 COPY TRAY TYPE M2 (D744)

2.8.1 COMPONENT CHECK

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1.	COPY TRAY: EXIT: ASS'Y	1
2.	BRACKET: COOLING UNIT: ASS'Y	1
3.	COOLING UNIT: ASS'Y	1
4.	CLAMP:LWC-3A	1
5.	TAPPING SCREW:4X8	2
6.	TAPPING SCREW: ROUND POINT:3X6	2
7.	SCREW:M4X20	4
8.	LEVER	1
9.	BRACKET: SENSOR: PAPER VOLUME SENSOR	1
10.	SPRING PLATE: SENSOR: EXIT	1
11.	PHOTOINTERRUPTOR:GP1A173LCS2F	1
12.	CLAMPS:WES-0507	1
13.	SHEET: COPY TRAY: EXIT	1
14.	DECAL: CAUTION: EXIT	1
15.	TAPPING SCREW - M3X6	1
16.	TAPPING SCREW:3X8	2
17.	CONNECTOR:2-292246-2 (for use with D135/D136 only)	1
18.	CLAMP:LWSM-0511A	1
19.	PCB: OKB	1
20.	HARNESS: EXIT: TRAY: COOLING UNIT: OKB	1
21.	TAPPING SCREW:	1



2.8.2 INSTALLATION PROCEDURE

Important

The following symptoms may occur if the harness is connected incorrectly at step 18.

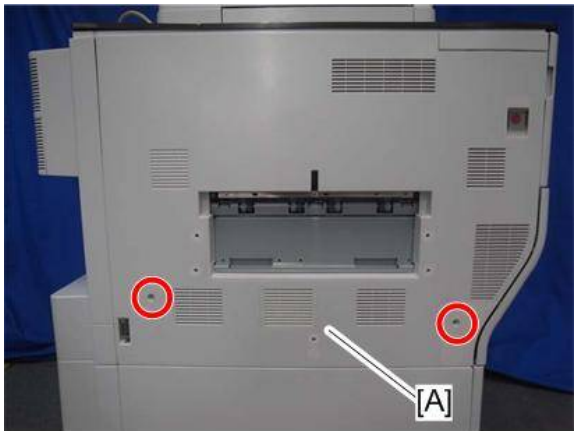
1. When turning the unit on, the machine power error message “The power cord is pulled out.” appears on the Operation Panel.
2. SC547 occurs.

See the notes described in step 18 for more details.

⚠CAUTION

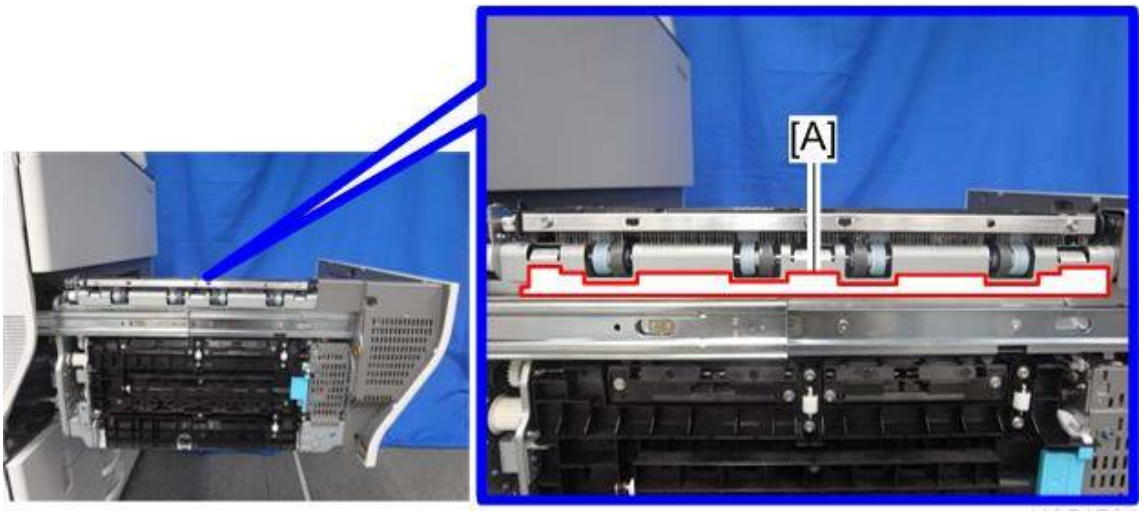
Turn the machine off and disconnect the machine power cord before you do this procedure.

1. Remove the rear middle cover. (x 4)
2. Remove the left upper cover [A]. (x 2)



3. Open the drawer unit [A].

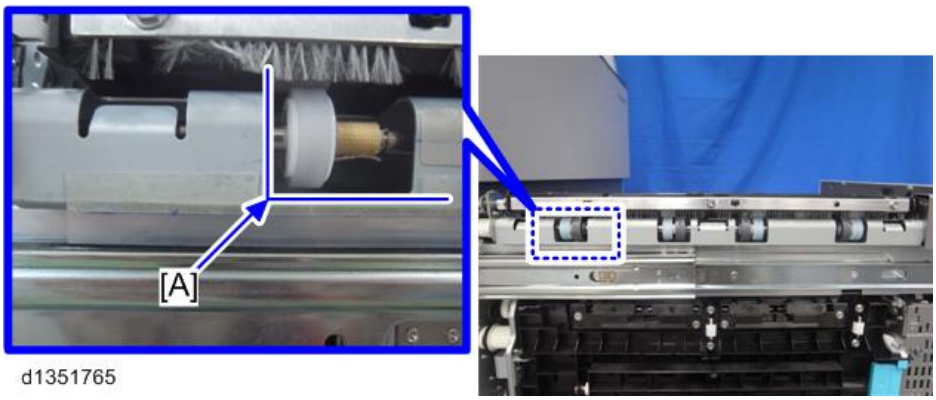
4. Attach the sheet [A] to the left side of the drawer unit.



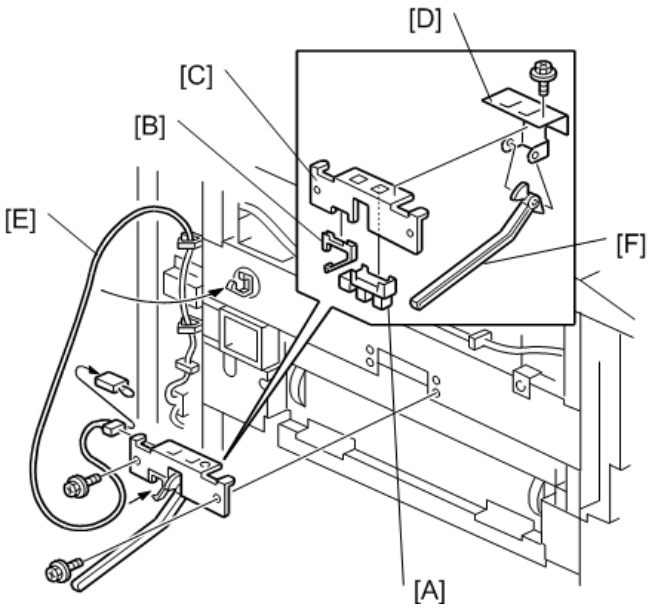
Note

There are four cutouts in the sheet.

Align the left-most cutout with the corner [A] of the paper exit.

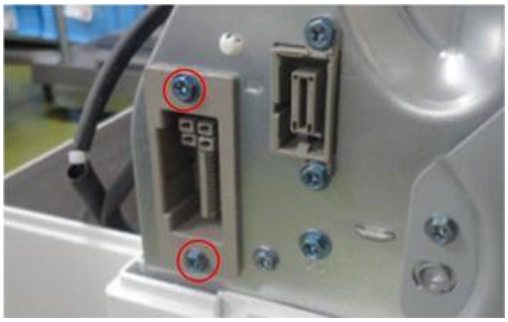


5. Attach the paper height sensor [A] and harness clamp [B] to the sensor bracket [C].
6. Attach the actuator [F] to the actuator arm bracket [D].
7. Attach the actuator bracket [D] to the sensor bracket [C]. (x 1; M3 x 6)
8. Attach the sensor bracket [C] to the main machine. (x 2; M4 x 8)
9. Connect the sensor harness [E] to the sensor bracket [A]. (x 1, x 1)

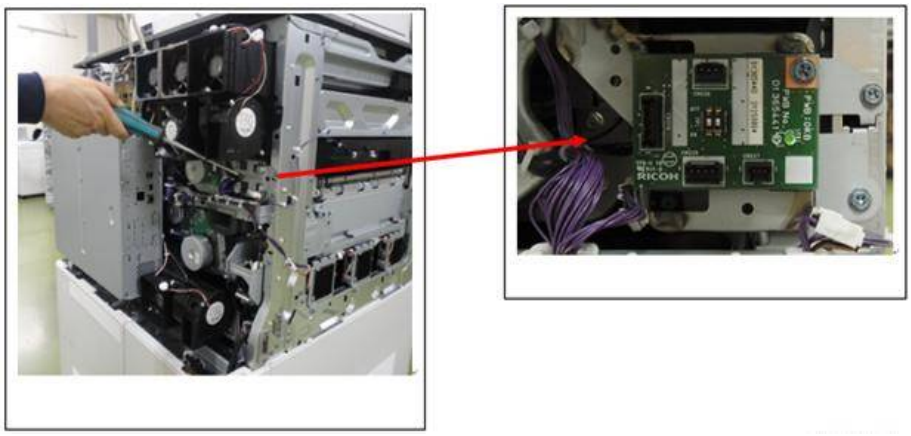


10. **D135/D136 only**: Remove the interface cable cover. (x 1)

11. **D135/D136 only**: Attach the "CONNECTOR: 2-292246-2". (x 2; M3 x 8)

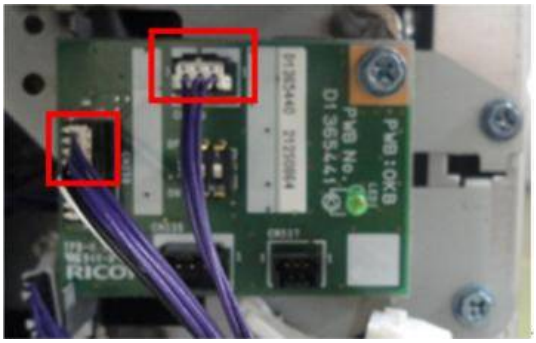


12. Attach the PCB:OKB (x 1)

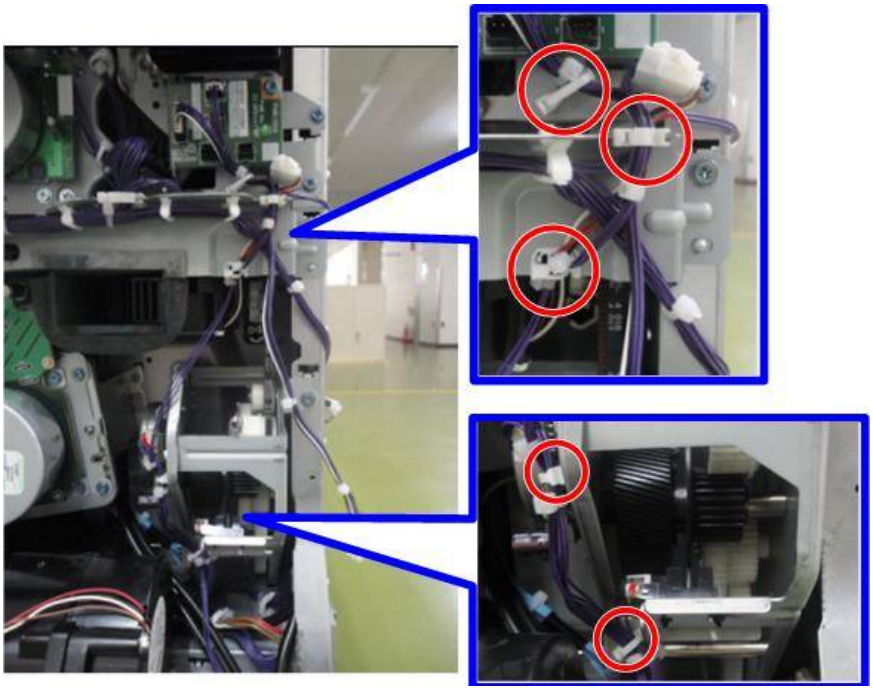


13. Attach the CLAMP:LWSM-0511A.

14. Connect the branched (divided) end of the HARNESS:EXIT:TRAY:COOLING UNIT:OKB to the PCB:OKB.



15. Bind the harness as shown in the photo. (x 5)

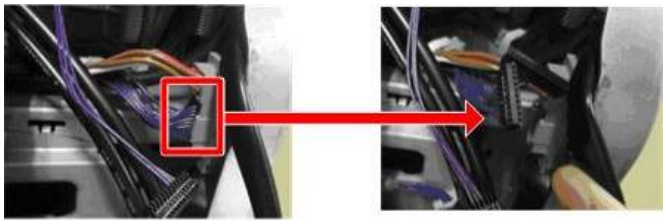


16. **D135/D136 only**: Connect the harness tied with a bind to “CONNECTOR:2-292246-2”.

Note

D137/D138: Connect the harness tied with a bind to the peripheral interface port as shown in the following steps.

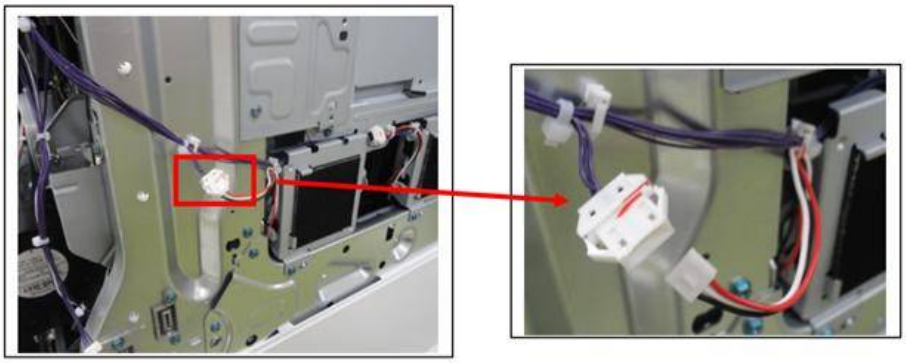
- Disconnect harnesses from the peripheral interface port.



- Connect the harness tied with a bind to the rear side of the peripheral interface port.

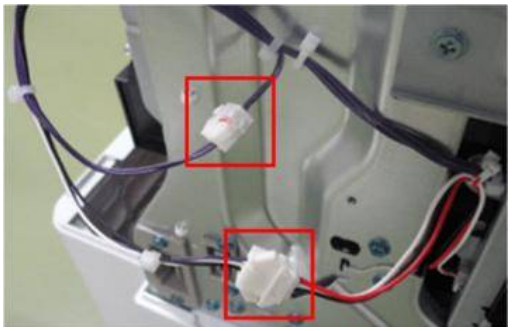
- Reconnect the front sides of the harnesses that you disconnected above back to the peripheral interface port.

17. Disconnect the harness [A].

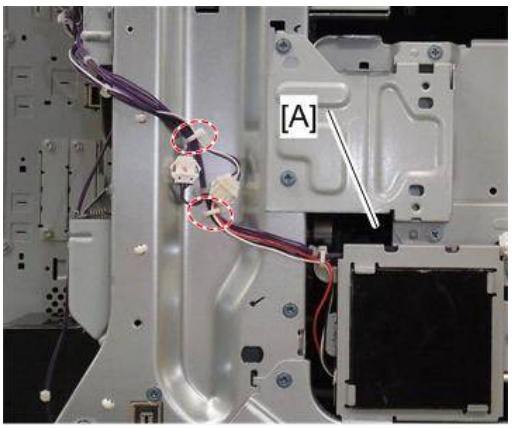


18. Connect the “HARNESS:EXIT:TRAY:COOLING UNIT:OKB” to the disconnected harnesses above.

⇒



19. Bind the harness. (x 2).

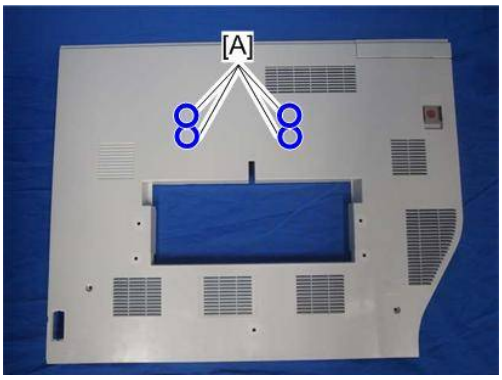


Important

- **Make sure the harnesses are connected as shown in the photo.**
- **The following symptoms may occur, if the harness is connected incorrectly.**
  1. **When turning on the machine power error message “The power cord is pulled out” appears on the operation panel.**
  2. **SC547**

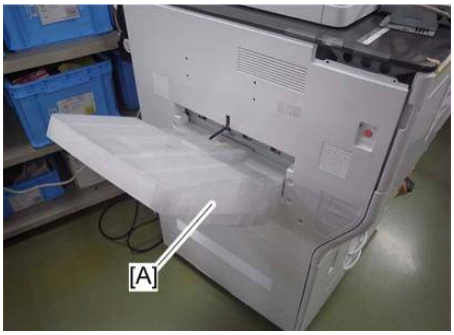
  The above is a result of ground fault, which occurs, if the harnesses are connected incorrectly causing the mainframe and inner cover to pinch the harness of the duplex exit fan (24V).

20. Make four holes [A] in the left cover with a screwdriver.



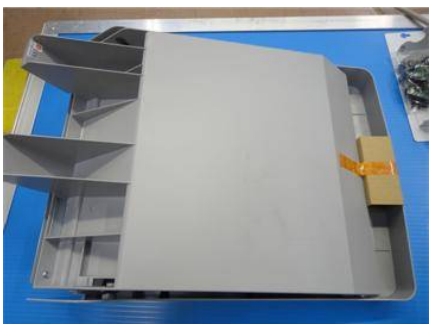
21. Reattach the left upper cover. (x2)
22. Reattach the rear middle cover. (x 4)
23. [D135/D136 only]: Remove the connector cover from the rear middle cover.

24. Attach the copy tray [A].

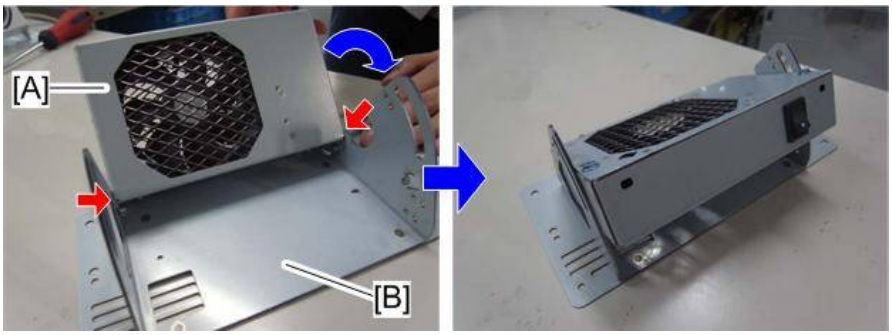


Note

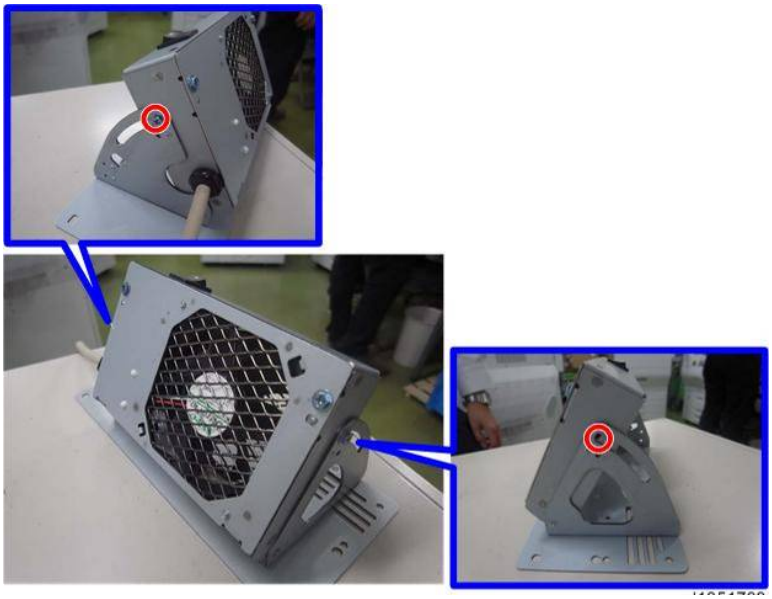
- Remove the packaging from the copy tray before attaching the tray to the copier.



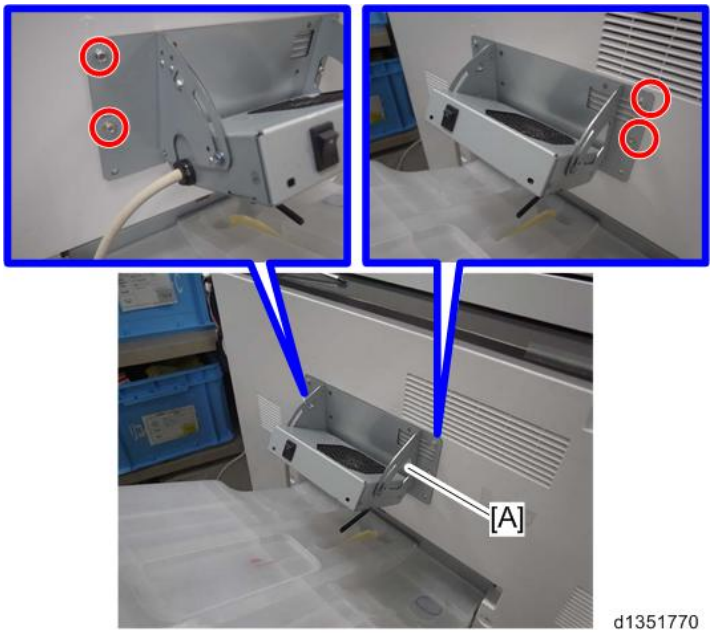
25. Install the cooling unit [A] on the cooling unit bracket [B]. (hook x2)



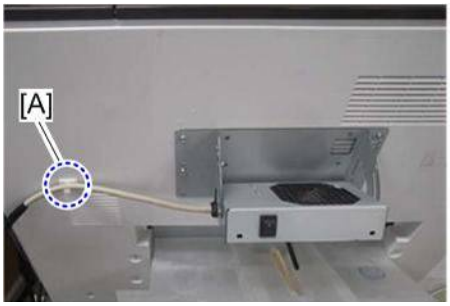
26. Fasten the cooling unit to the cooling unit bracket. (x2; M3 x 6)



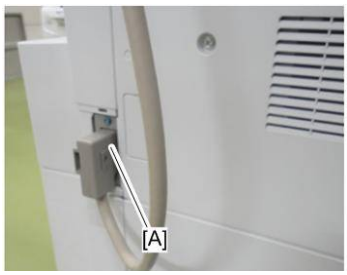
27. Install the cooling unit bracket [A] on the left side of the main machine. (x4; M4 x 20)



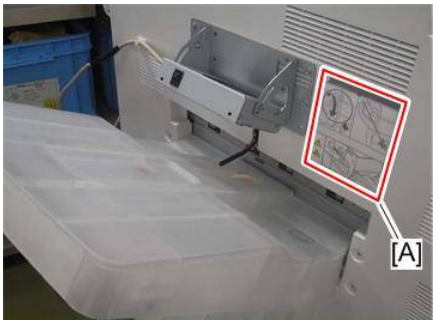
28. Attach the cable clamp [A] provided with the copy tray to the main machine. Then route the harness as shown below. (x 1)



29. **D135/D136 only**: Connect the interface cable of the cooling unit to the interface [A].

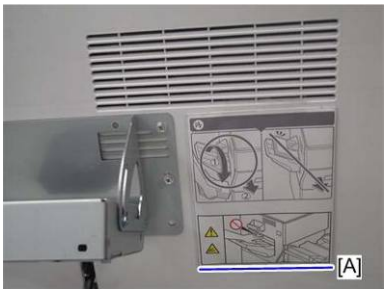


30. Attach the decal [A] to the left side of the main machine.

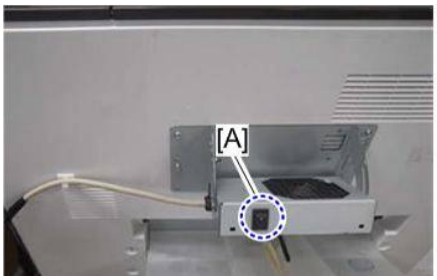


Note

- Align the lower side of the decal with the marker [A] on the main machine when you attach the decal to the main machine.



31. Turn on the power switch [A] of the cooling fan.



- As a general rule, keep the power switch of the cooling fan **ON**. This is because the cooling fan prevents blockage (sheets of paper sticking together during duplex jobs due to wet toner). The cooling fan stops automatically when the print job is complete.
- If the customer points out the noise made by the fan, or thin paper types tend to fall off the copy tray due to airflow from the fan, advise the customer to turn the cooling fan OFF as necessary.
- If blockage still occurs when the cooling fan is ON, position the fan at a 90 degree angle (see ***Technical Service Bulletin - TBA***, “Image Quality Troubleshooting: Toner Flaking Off”).

2.9 DECURL UNIT DU5020 (D727) (D137/D138 ONLY)

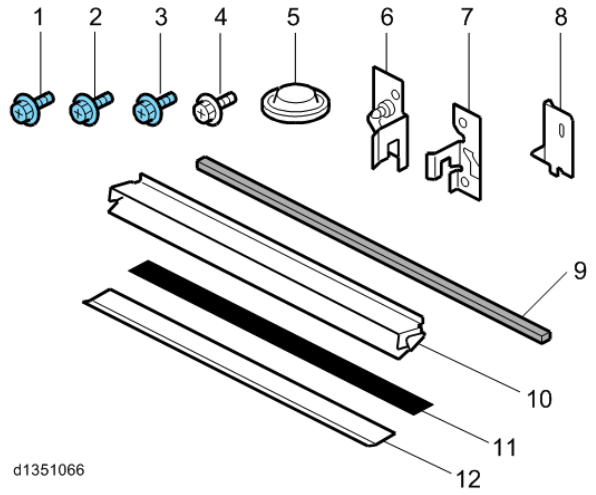
⚠CAUTION

- The decurl unit is top heavy and has an extremely narrow base. It can fall over easily. Work carefully to avoid knocking it over.
- Do not set this unit upright until you are ready to install it and dock it to the side of the main machine.
- Never leave this unit standing upright and unattended in the work area during installation.

2.9.1 ACCESSORIES

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

No.	Description	Q'ty
1.	Screws M3x6	3
2.	Screws M4x8	1
3.	Screws M4x16	4
4.	Screws M4x8	4
5.	Leveling Shoes	3
6.	Joint Bracket – L	1
7.	Joint Bracket – R	1
8.	Small Bracket	1
9.	Sponge Strip	1
10.	Paper Guide	1
11.	Mylar – Black	1
12.	Mylar – Transparent	1



2.9.2 INSTALLATION PROCEDURE

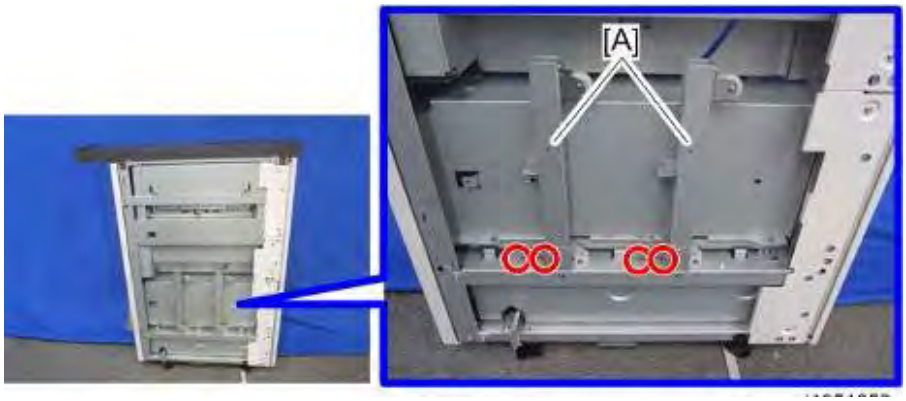
⚠CAUTION

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

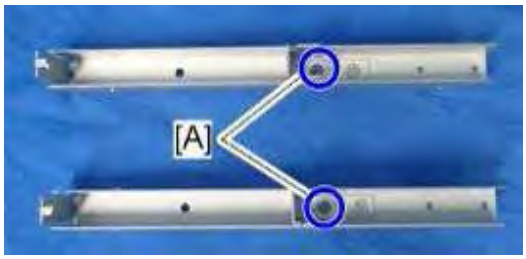
1. Remove the retainers [A]. (x 4)

Note

- Keep the screws, they will be needed to reinstall the retainers after docking the de-curl unit with the mainframe.



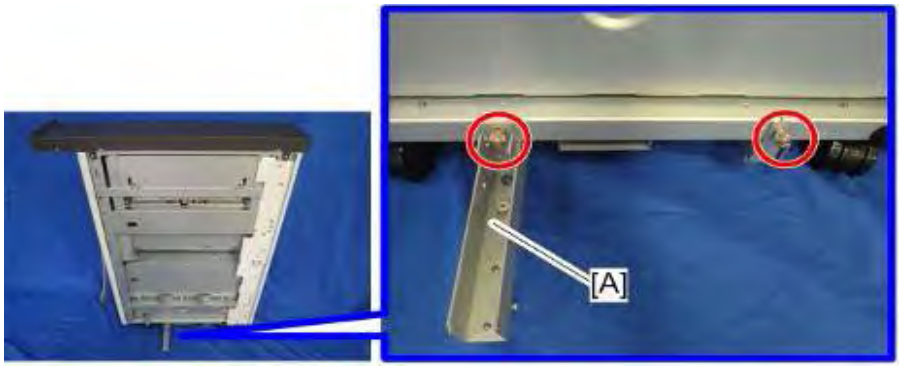
2. Loosen the screws [A] of the retainers. (x 2)



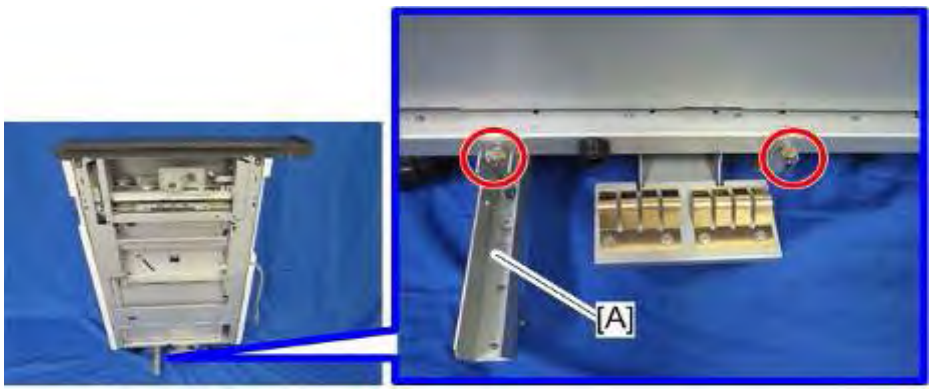
3. Install the retainers on the decurl unit. (x 4)

   Install the retainers [A] alternately on both sides of the decurl unit as shown below.

   - Left side of the decurl unit

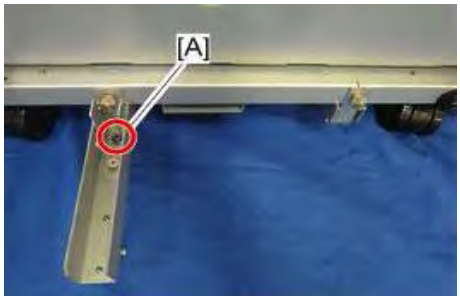


   - Right side of the decurl unit

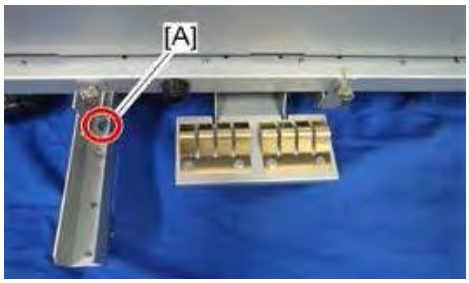


4. Fasten the screws [A] loosened in step 2. (x 2)

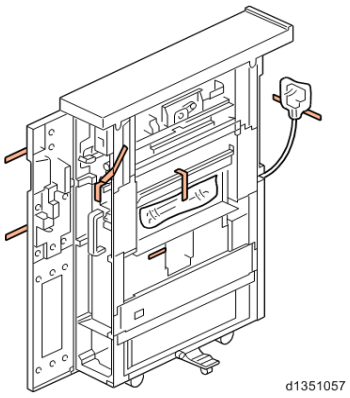
   - Left side of the decurl unit



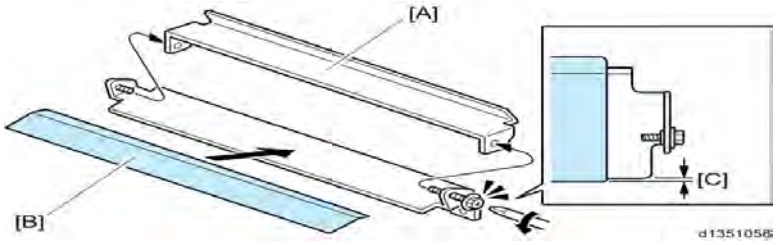
- Right side of the decurl unit



5. Open the front door.
6. Remove tapes and retainers.

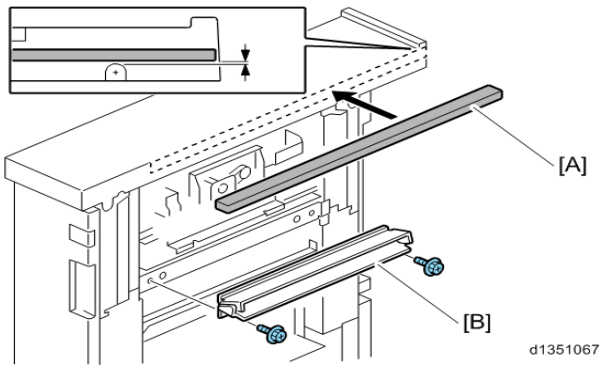


7. To attach the mylar in the next step, disassemble the paper guide [A] included as an accessory. (x 2)
8. Attach the transparent mylar [B].

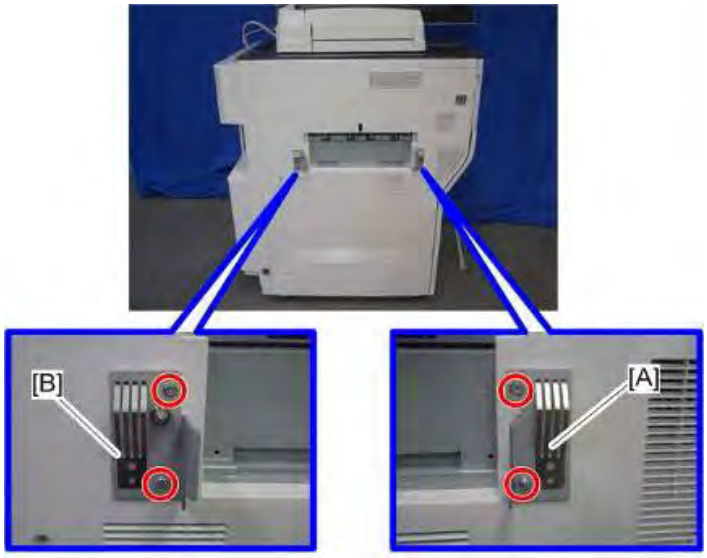


[C]: 0 to 1 mm

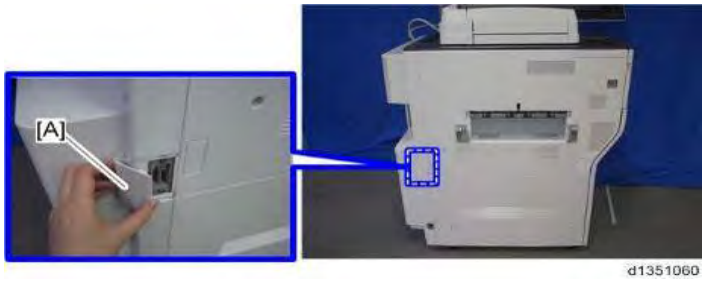
9. Reassemble the paper guide. (x2)
10. Peel the tape from the sponge strip [A] and attach it to the top right edge of the unit.
11. Attach the paper guide [B]. (x2; M3x6)



12. Attach the following to the main machine:
    - [A] Right joint bracket, marked "R" (x2; M4x16)
    - [B] Left joint bracket, marked "L" (x2; M4x16).



13. Remove the interface connector cover [A] from the main machine.

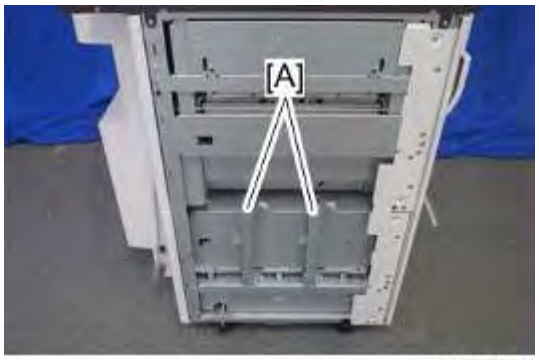


14. Open the front door [A].
15. Remove the screw of the lock bar [B] (x1). Keep this screw.

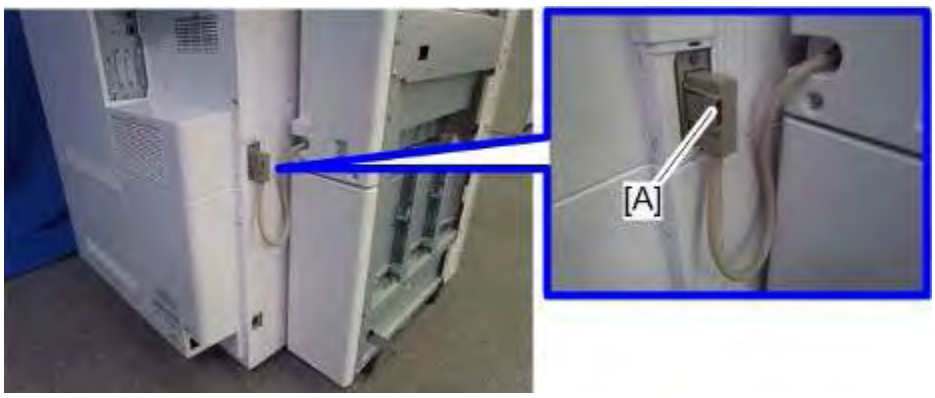
16. Remove the retainers installed in step 3. (x4)
17. Push the decurl unit [A] against the main machine so that the lock bar is below the joint brackets.

18. Push in the lock bar [A] and fasten it with the screw removed in step 15. (x 1)

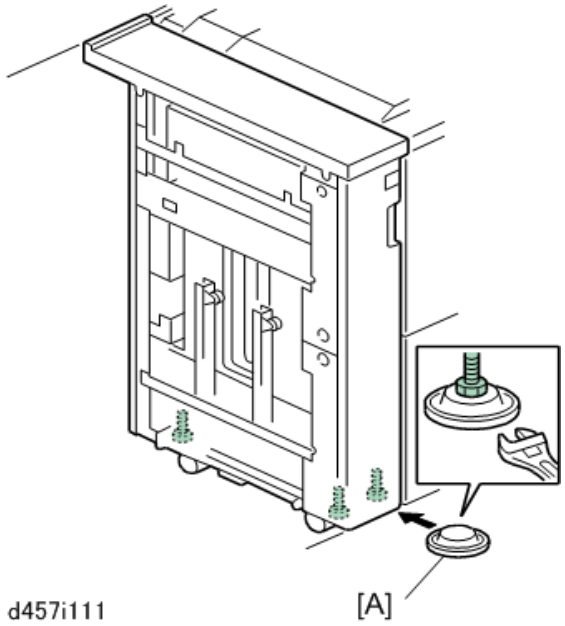
19. Reinstall the retainers [A] removed in step 16 as shown below. (x 4)



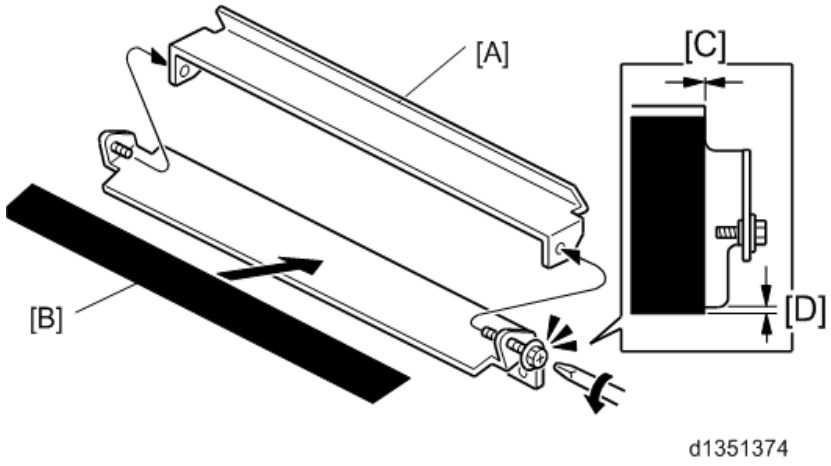
20. Connect the I/F cable [A] of the decurl unit to the main machine.



21. Set the leveling shoes [A].
22. Adjust the height of the unit and make sure that it is level.



23. Remove the paper guide of the downstream peripheral device.
24. Disassemble the paper guide [A]. (x2)
25. Attach the black mylar [B].



[C]: 0 to 1 mm
[D]: 0 to 1 mm

Important

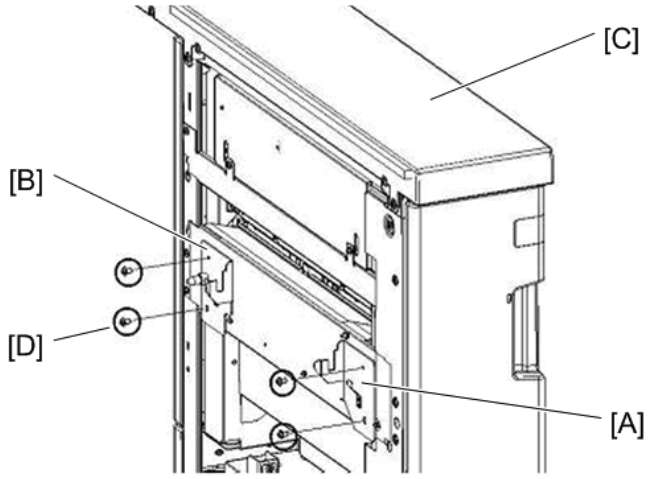
- If the downstream peripheral device is Buffer Pass Unit Type 5020 (D751), don't attach the black mylar. The mylar for the decurl unit is provided with the buffer pass unit.

Dock the Downstream Peripheral Device

If the downstream peripheral device is Finisher SR4090 (D703) or Booklet Finisher SR4100 (D704)

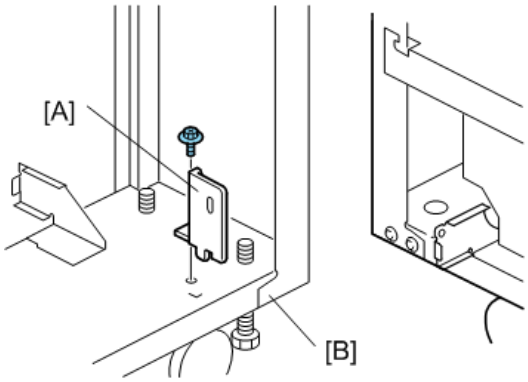
Attach the following to the decurl unit:

- [A] Right joint bracket(x2; M4x8)
- [B] Left joint bracket (x2; M4x8).



If the downstream peripheral device is Cover Interposer Tray CI4010 (D711) or Cover Interposer Tray CI4020 (D712)

1. Install the small bracket [A] on the cover interposer tray [B]. (x1)



2. Dock the downstream unit.

If the downstream peripheral device does not have a connecting section such as Buffer Pass Unit Type 5020 (D751)

1. Remove the rear upper cover [A] of the decurl unit. (x4)

2. Remove the rear lower cover [A] of the decurl unit. (x2)

3. Remove the connecting bracket [A].

4. Dock the downstream unit.

Important

- When you remove the decurl unit, hold it in the lower half, lower than the middle.

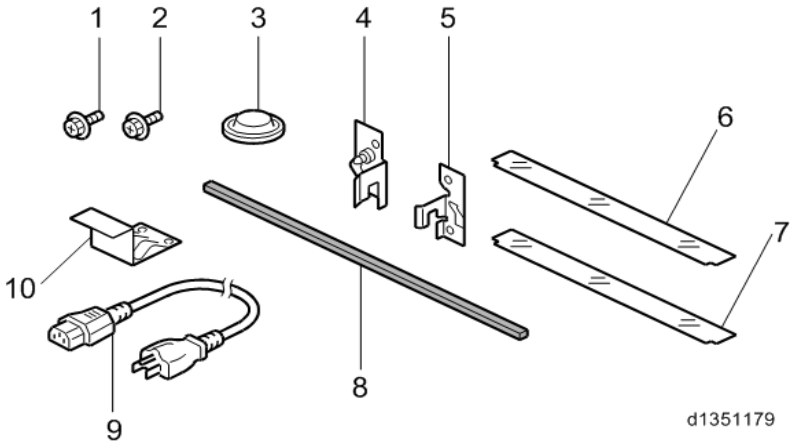
Paper curl adjustment when Decurl unit DU5020 connects with Finisher SR4090 or Booklet Finisher SR4100

1. Print out 10 sheets of A4/LT in stapling mode, LEF.
2. Check the paper curl.
3. Adjust the paper curl in [System setting] – [Paper curl Correction level].

2.10 BUFFER PASS UNIT TYPE 5020 (D751) (D137/D138 ONLY)

2.10.1 ACCESSORY CHECK

No.	Description	Q'ty
1.	Screws (M4 x 8)	2
2.	Screws (M4 x 16)	4
3.	Leveling Shoes	4
4.	Docking Bracket (L)	1
5.	Docking Bracket (R)	1
6.	Wide Mylar (50mm)	2
7.	Narrow Mylar (35.5mm)	2
8.	Sponge Strip	1
9.	Power Cord	1
10.	Ground Plate	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.
- The buffer pass unit is unstable and can fall over easily. To avoid personal injury or damage to the unit, use caution when you pull out the buffer pass unit drawer until the unit has been docked to the main machine.
- The power cord that comes with the buffer pass unit is for use with this equipment only. Do not use it with other appliances. Doing so could result in fire or electric shock.

⚠CAUTION

- Rated Voltage of Output Connector [A] for Accessories: Max. DC 24 V.

d1351349

Fuse Rating (DC5V, DC24V Fuse)

PCB: CTB

	ID	Rating	Manufacturer	Type No.
[A]	CP1	DC32V/5A	IDEC CORP	NRPS10-G5A
[B]	CP2	DC6V/1.5A	TYCO ELECTRONICS CORP	miniSMDC150F

1. Remove all visible external tapes on the external surfaces.

d1351018

2. Open the front door [A] and remove all visible tapes.

⚠CAUTION

- There are no tapes inside the unit.
- The unit is top heavy and unstable. Use caution when you pull out the buffer pass unit drawer until this unit has been docked to the main machine.

d1351019

3. Remove the right cover [A] of the buffer pass unit. (x 6)

d1351020

4. Attach the ground plate [A]. (x 2)

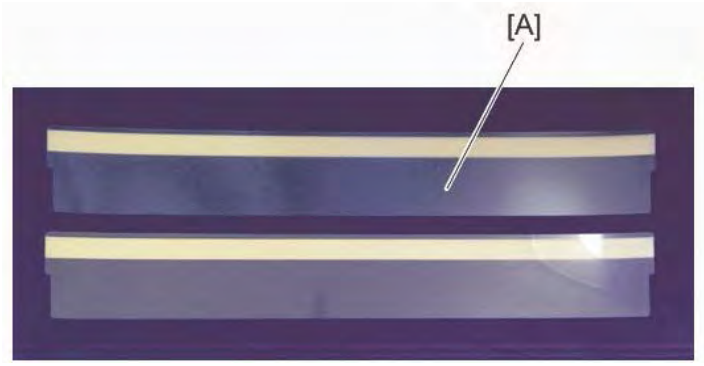
d1351021

5. Remove the entrance guide [A]. (x 2)

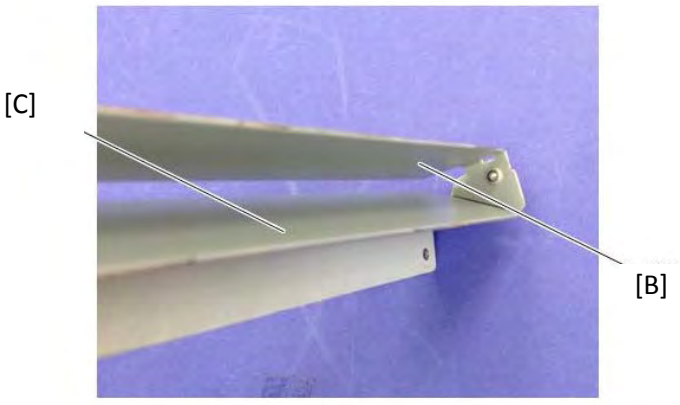
#01: When connecting the Buffer Pass Unit with the mainframe

NOTE: If the Buffer Pass Unit is to be connected to the Decurl Unit DU5020 (D727), go to "#02: When connecting the Buffer Pass Unit with the Decurl Unit DU5020 (D727)" (page 2-124).

This section describes the procedure for attaching the Wide Mylar to the entrance guide that was removed in step 5.



[A]: Wide Mylar (50mm, accessory item #6)



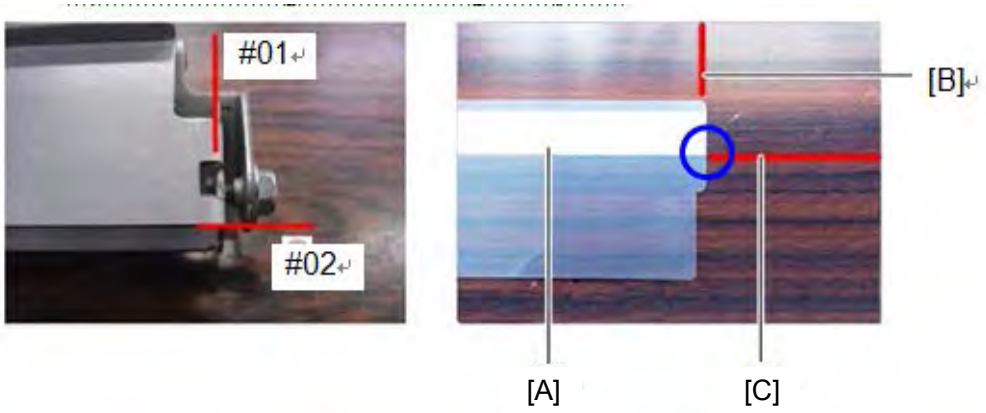
[B]: Upper entrance guide

[C]: Lower entrance guide

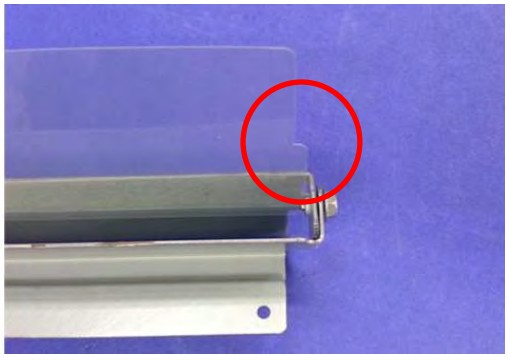
Attaching the Wide Mylar to the Upper entrance guide

6-1. Peel off the sheet from the double stick tape [A] on the Wide Mylar.

6-2. Attach the Wide Mylar to the Upper entrance guide by aligning the edge [B] of the Mylar with the edge #01 of the guide plate, and edge [C] of the double stick tape with the edge #02 of the guide plate.



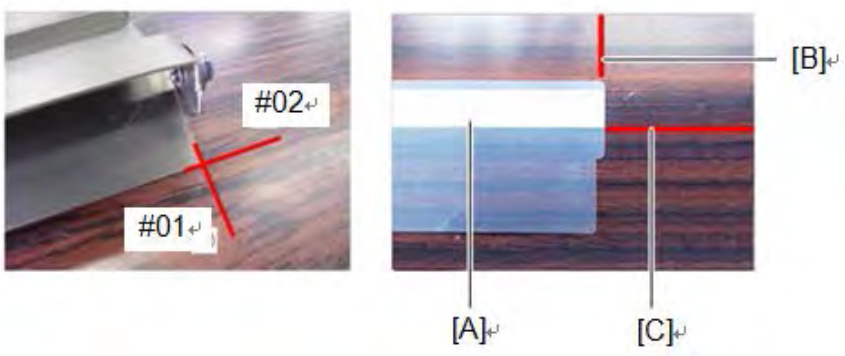
6-3. Confirm the Wide Mylar is attached correctly to the Upper entrance guide as shown in the photo below.



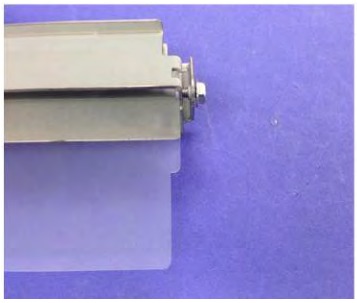
<u>Attaching the Wide Mylar to the Lower entrance guide</u>

6-4. Peel off the sheet from the double stick tape [A] on the Wide Mylar.

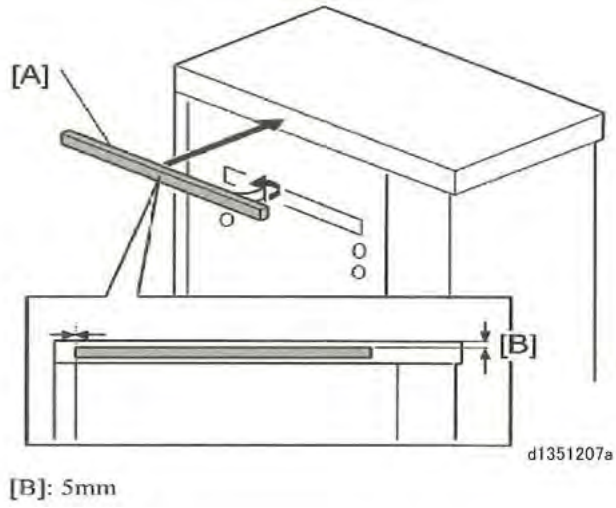
6-5. Attach the Wide Mylar to the Lower entrance guide by aligning the edge [B] of the Mylar with the edge #01 of the guide plate, and edge [C] of the double stick tape with the edge #02 of the guide plate.



6-6. Confirm the Wide Mylar is attached correctly to the Lower entrance guide as shown in the photo below.

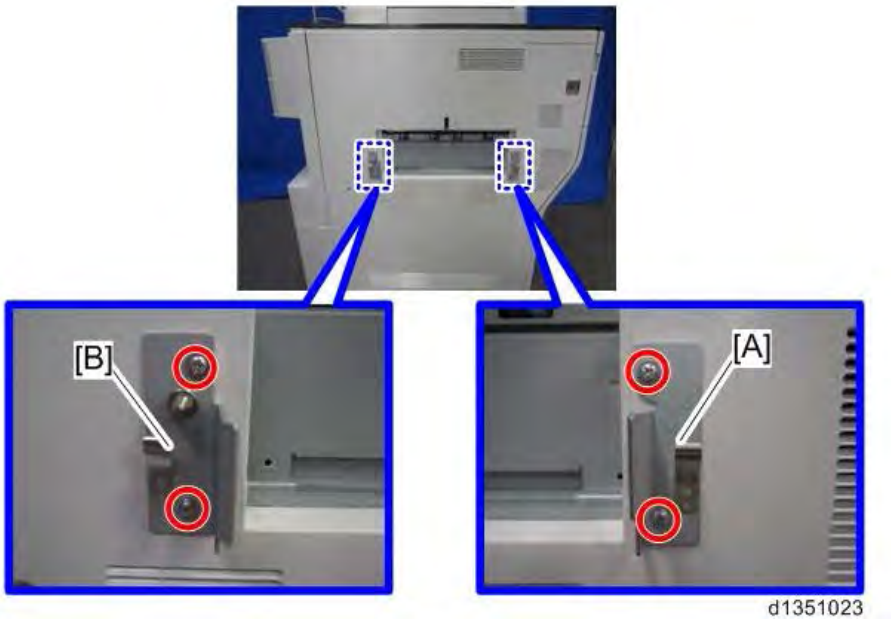


7. Attach the entrance guide to the buffer pass unit. (screw x2)
8. Attach the right cover of the buffer pass unit. (screw x6)
9. Attach the sponge strip [A] (accessories item #8) to the Buffer Pass Unit as shown in the illustration below.

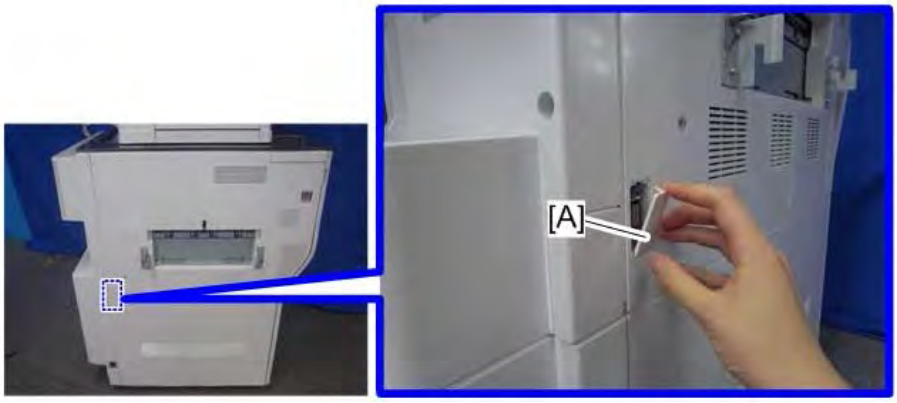


[B]: 5mm

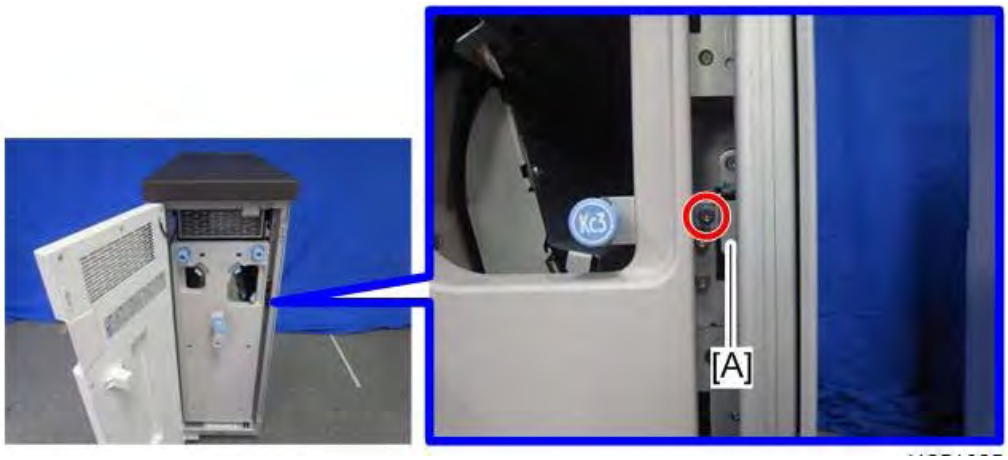
10. Attach the docking bracket Right [A] (accessories item #5) and docking bracket Left [B] (accessories item #4) to the main frame. (screw x2 each)



11. Remove the connector cover [A] from the mainframe.



12. Open the front door, then pull out the locking lever [A]. (screw x1)



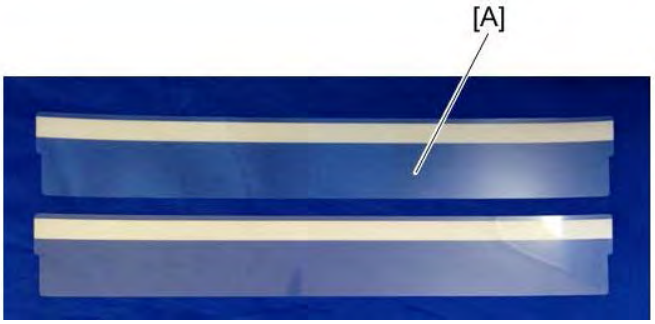
13. Push the buffer pass unit against the mainframe to dock the units.
14. Push the lock lever [A] and fasten it with the screw removed in step 12. (screw x1)

15. Connect the I/F cable of the buffer pass unit to the socket [A] on the mainframe.

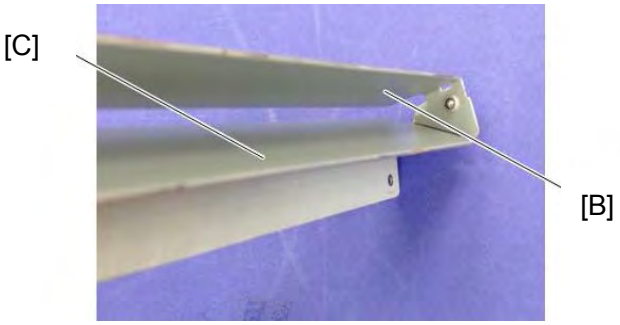
Go to "Common Procedure" (page 2-128).

#02: When connecting the Buffer Pass Unit with the Decurl Unit DU5020 (D727)

This section describes the procedure for attaching the Wide Mylar to the entrance guide that was removed in step 5.



[A]: Wide Mylar
(50mm, accessories item #6)



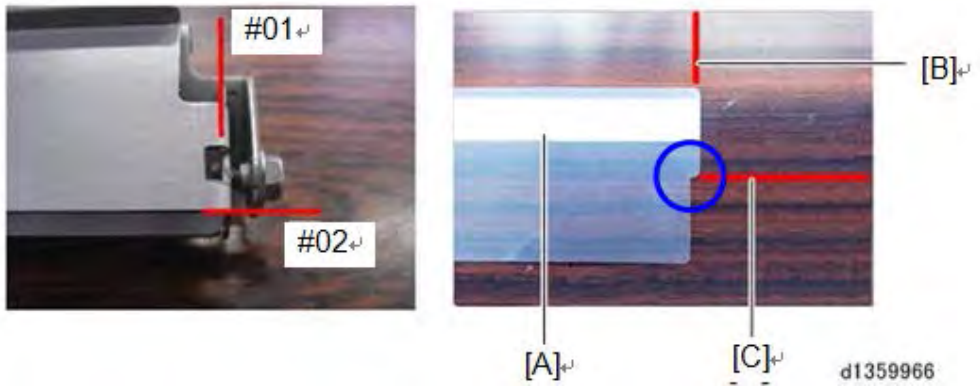
[B]: Upper entrance guide
[C]: Lower entrance guide

Attaching the Wide Mylar to the Upper entrance guide

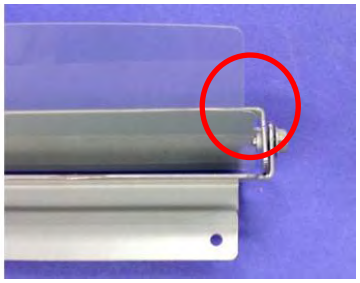
16-1. Peel off the sheet from the double stick tape [A] on the Wide Mylar.

16-2. Attach the Wide Mylar to the Upper entrance guide by aligning the edge [B] of the Mylar with the edge #01 of the guide plate, and the shorter edge [C] of the Mylar with the edge #02 of the guide plate.

NOTE: Alignment position of edge [C] is different from step 6-2 (when connecting the buffer pass unit to the mainframe).



16-3. Confirm the Wide Mylar is attached correctly to the Upper entrance guide as shown in the photo below.

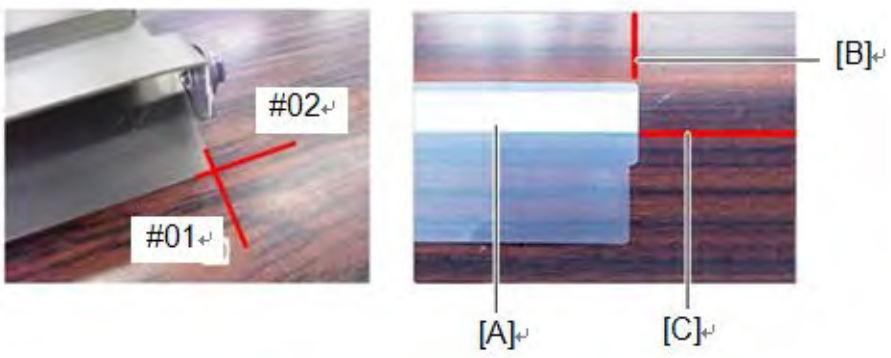


Attaching the Wide Mylar to the Lower entrance guide

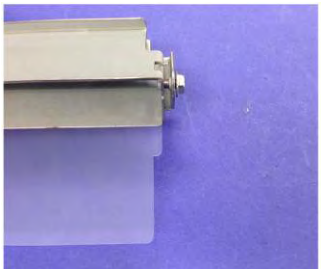
16-4. Peel off the sheet from the double stick tape [A] on the Wide Mylar.

16-5. Attach the Wide Mylar to the Lower entrance guide by aligning the edge [B] of the Mylar with the edge #01 of the guide plate, and edge [C] of the double stick tape with the edge #02 of the guide plate.

NOTE: Same as step 6-5 (when connecting buffer pass unit to the mainframe).

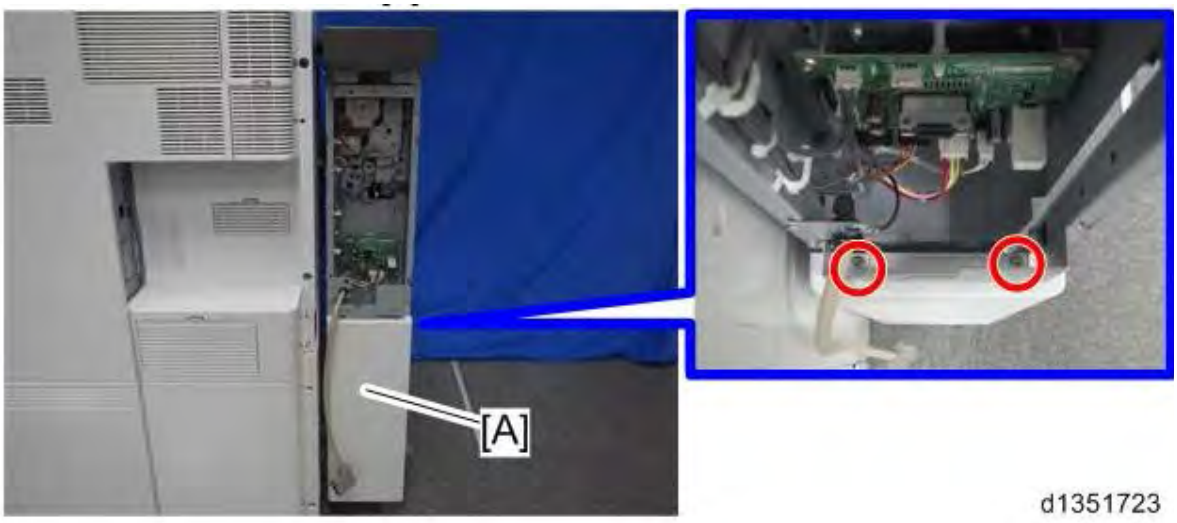


16-6. Confirm the Wide Mylar is attached correctly to the Lower entrance guide as shown in the photo below.



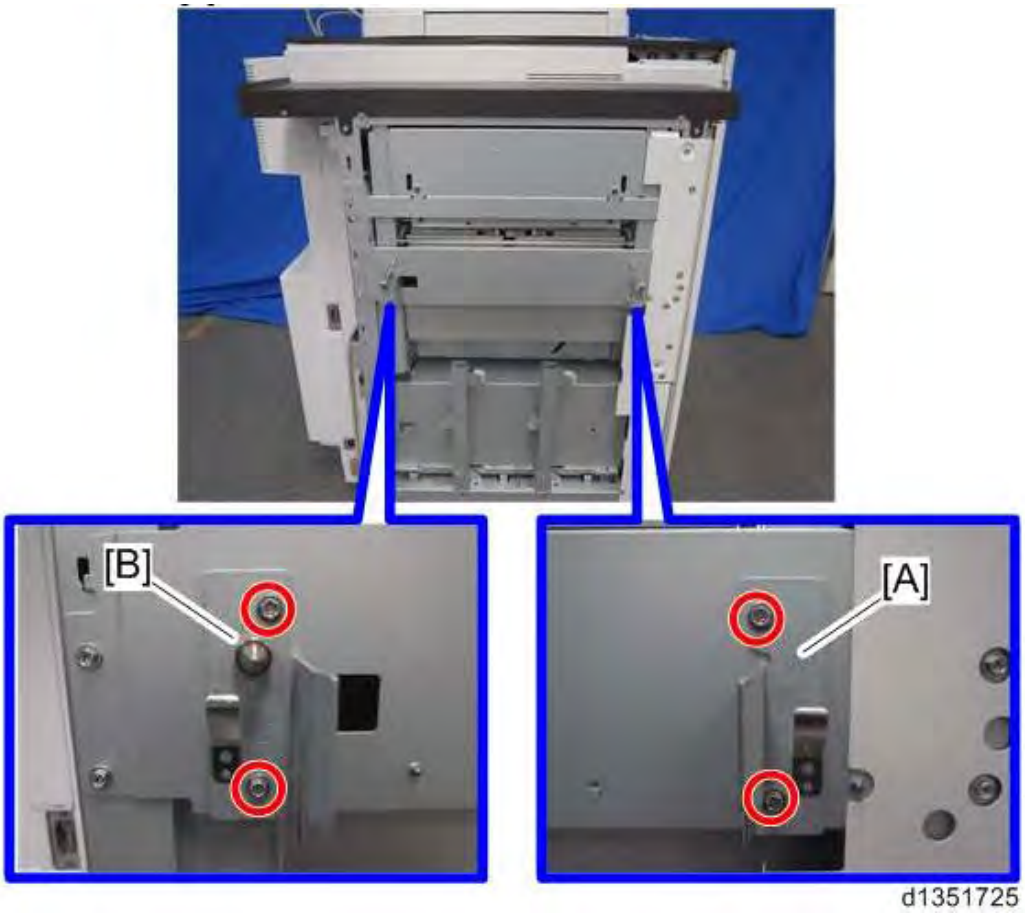
17. Attach the entrance guide to the buffer pass unit. (screw x2)
18. Attach the right cover of the buffer pass unit. (screw x6)
19. Remove the rear upper cover [A] of the Decurl Unit. (screws x4)

20. Remove the lower rear cover [A] of the Decurl Unit. (screw x2)

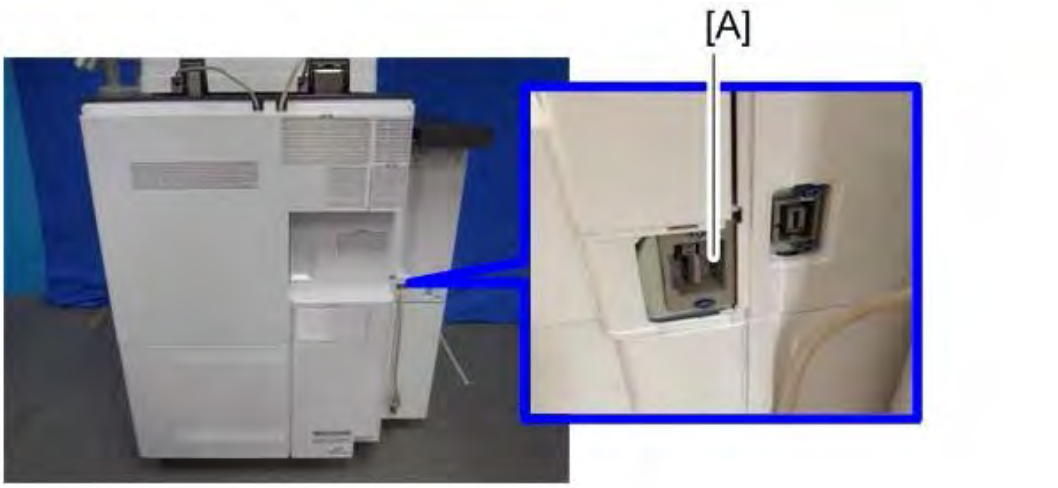


21. Remove the bracket [A] from the Decurl Unit. (screw x3)

22. Attach the docking bracket Right [A] (accessories item #5) and docking bracket Left [B] (accessories item #4) to the paper exit side of the Decurl Unit. (screw x2 each)



23. Connect the I/F cable of the Decurl Unit to the socket [A] of the mainframe. Then connect the Buffer Pass Unit with the Decurl Unit similarly to steps 10 through 12.

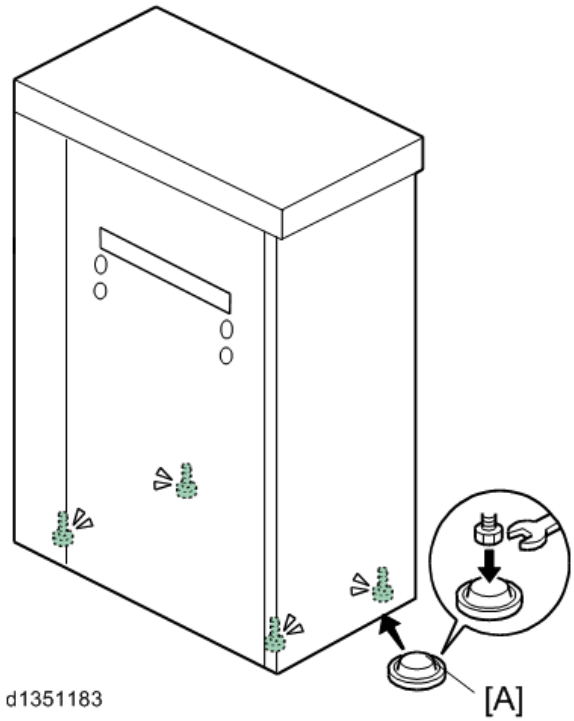


d1359957

Common procedure for both of the following cases:

#01: When connecting the Buffer Pass Unit with the mainframe
#02: When connecting the Buffer Pass Unit with the Decurl Unit DU5020 (D727)

24. Set the leveling shoes [A] and adjust the height of the unit.



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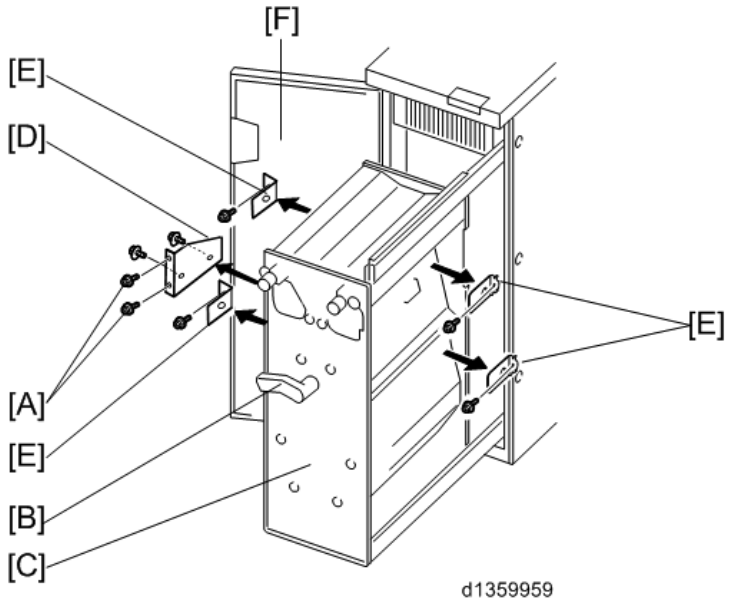
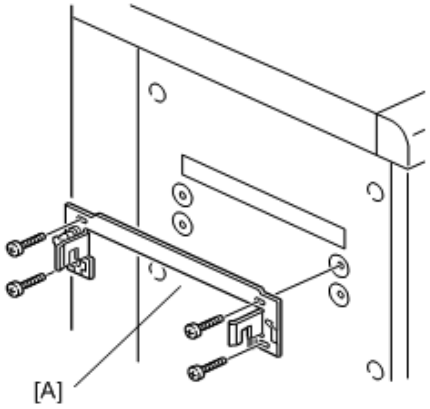
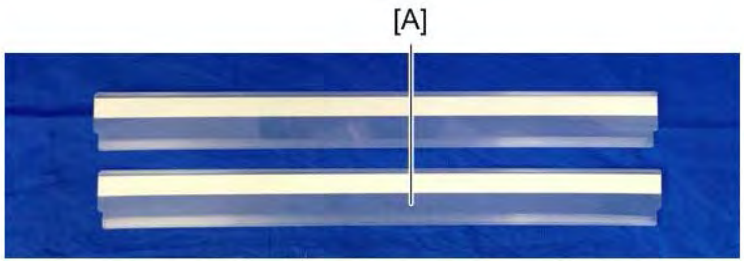
25. Remove the 2 screws [A] on the front side of clamping bracket [D].
26. Turn the Kc5 lever [B] counter clockwise and pull out the buffer pass unit drawer [C].
27. Remove the clamping bracket [D]. (screw x2)
28. Remove the 4 shipping brackets [E]. (screw x1 each)
29. Slide in the buffer pass unit drawer [C].
30. Close the front door [F].



31. Attach the docking bracket [A] of the downstream unit to the left side of the buffer pass unit. (Illustration below is an example showing the bracket for SR4110.)



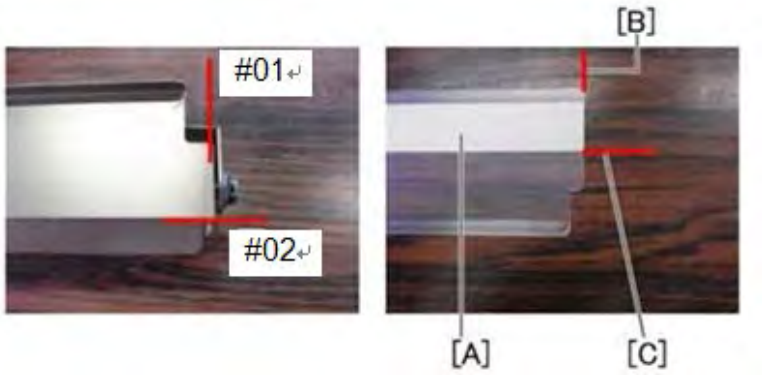
32. Attach the Narrow Mylar [A] (35.5mm, accessories item #7) to the entrance guide of the downstream unit (for example, the SR4110) by referring to the procedure described on the following page.



Attaching the Narrow Mylar to the Upper entrance guide

32-1. Peel off the sheet from the double stick tape [A] on the Narrow Mylar.

32-2. Attach the Narrow Mylar to the Upper entrance guide by aligning the edge [B] of the double stick tape with the edge #01 of the guide plate, and the edge [C] of the double stick tape with the edge #02 of the guide plate.

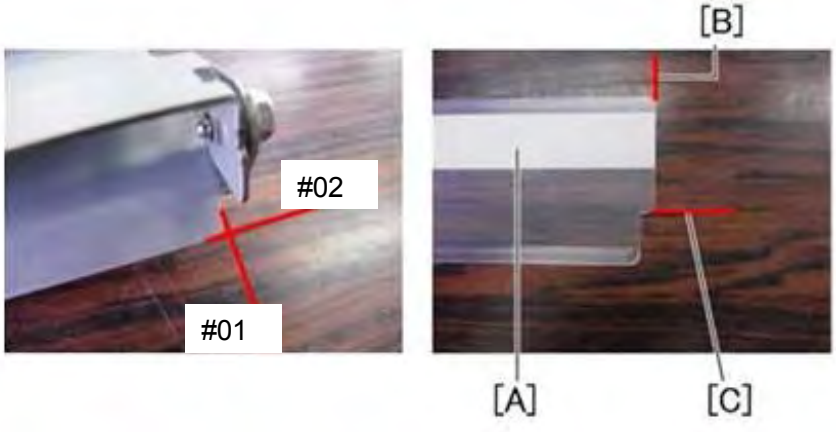


32-3. Confirm the Narrow Mylar is attached correctly to the Upper entrance guide as shown in the photo below.

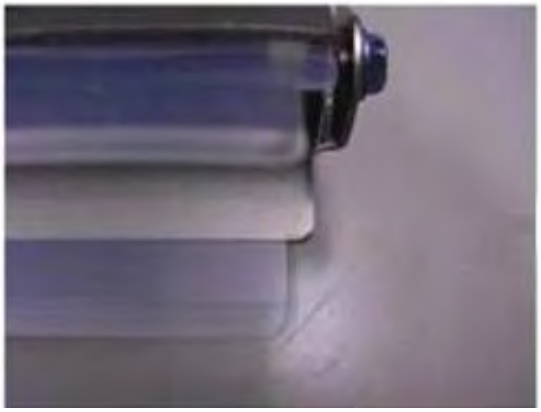
Attaching the Narrow Mylar to the Lower entrance guide

32-4. Peel off the sheet from the double stick tape [A] on the Narrow Mylar.

32-5. Attach the Narrow Mylar to the Lower entrance guide by aligning the edge [B] of the Mylar with the edge #01 of the guide plate, and edge [C] of the double stick tape with the edge #02 of the guide plate.



32-6. Confirm the Narrow Mylar is attached correctly to the Lower entrance guide as shown in the photo below.



33. Dock the downstream unit to the buffer pass unit.
34. Connect the power cord [A] provided with the buffer pass unit to the power inlet on the buffer pass unit.

35. Connect the buffer pass unit power cord to the wall socket, and then connect the mainframe power cord to the wall socket.

NOTE: Make sure the power cords are plugged to the wall socket in the above order. Otherwise, the buffer pass unit will not be recognized by the mainframe when turning on the power in the following step, and cause a paper jam in the buffer pass unit.

36. Turn ON the main power switch on the mainframe.
37. Confirm proper function of the buffer pass unit to complete the procedure.

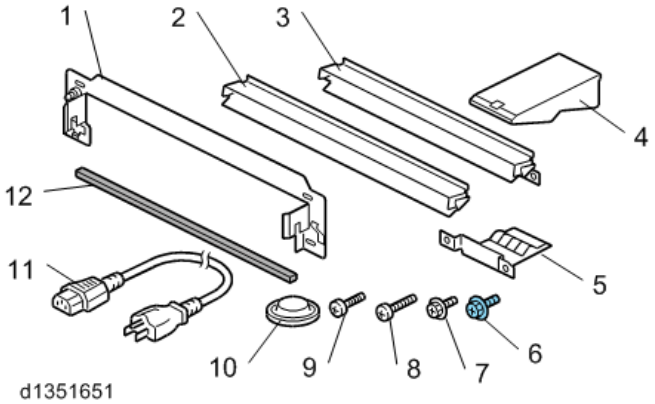
⇒2.11 MULTI-FOLDING UNIT FD4000 (D615)

2.11.1 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.	Paper Guide – Long (for D135/D136/D137/D138)	1
3.	Paper Guide – Short (for D131/D132/D133)	1
4.	Proof Tray Auxiliary Plate - Bottom	1
5.	Ground Plate	1
6.	Screws 3x6	2
7.	Screws M3x6	2
8.	Screws M4x20	4
9.	Screws M4x14 (Not Used)	4
10.	Leveling Shoes	5
11.	Power Cord *1	1
12.	Sponge Strip	1

*1: When using this unit 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.



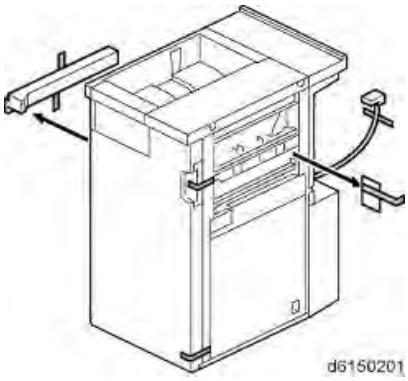
2.11.2 INSTALLATION

⚠CAUTION

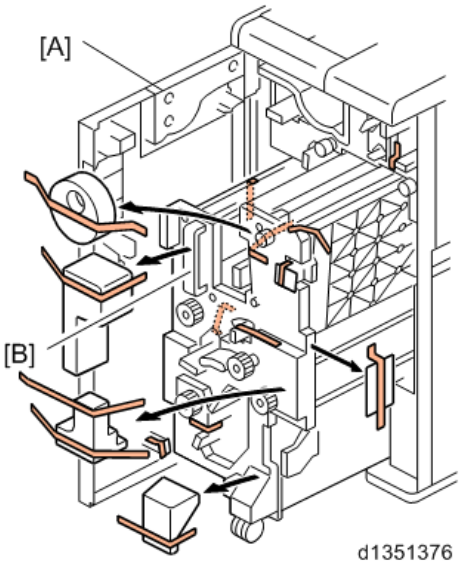
- The unit must be connected to a power source that is close to the unit and easily accessible.
- Make sure that the main machine is switched off and that its power cord is disconnected before doing the following procedure.

Tapes

1. Remove all tape and packing material from the front, left, rear, and right sides.

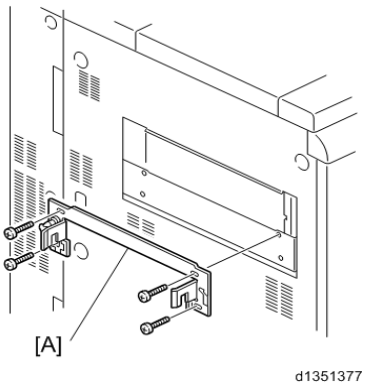


2. Open the front door [A].
3. Remove all tape from inside [B].



Paper Guide, Sponge Strip

1. Fasten the joint bracket [A] to the left side of the upstream unit. (x 4; M4x20)



2. Fasten the joint bracket provided with the downstream device to the left side of the multi-folding unit, if a downstream device is going to be installed. (x 4; M4x14)

Note

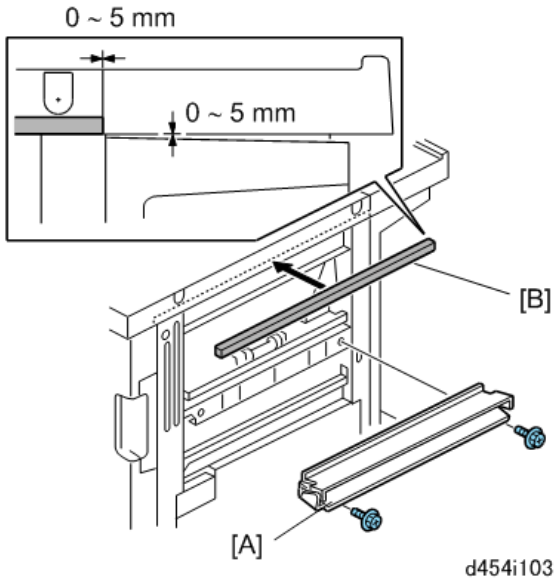
- Use the screws provided with the downstream device.

3. Select the long paper guide for the installation.
   - Two paper guides are provided.
   - The short paper guide is for another machine (D131/D132/D133).

Important

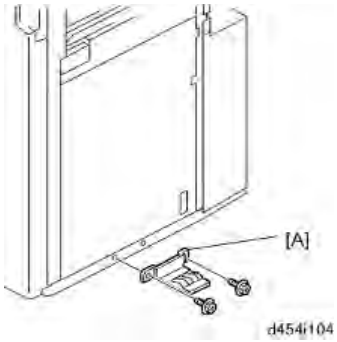
- If the upstream peripheral device is the Decurl Unit DU5020 (D727), attach the black mylar provided with the cover interposer tray or decurl unit to this paper guide.

4. Attach the long paper guide [A] to the left side of the multi-folding unit. (x 2; M3x6)
5. Peel the tape from the sponge strip [B] and attach the strip to the top right edge of the multi-folding unit.



Ground Plate

1. Attach the ground plate [A] to the lower right edge of the unit. (x 2; M3x6)



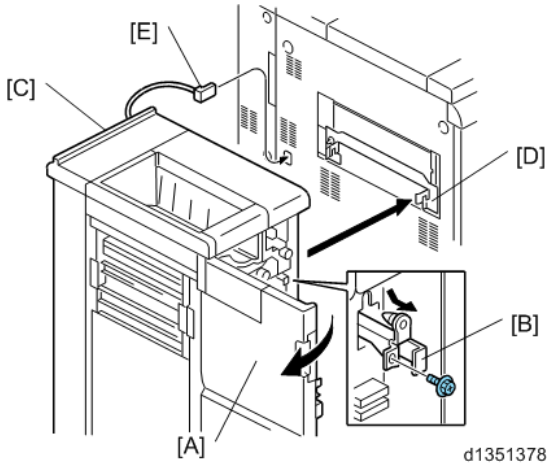
Docking

Do the step 8 to 12, only if the upstream unit is the Cover Interposer Tray CI4020 (D712).

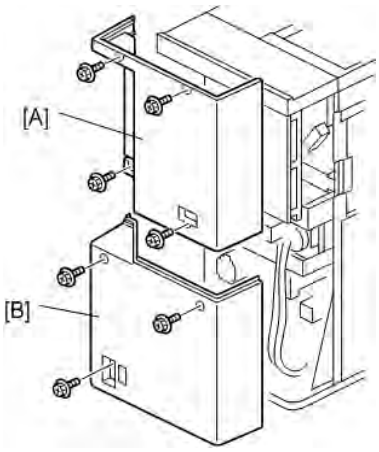
1. Open the front door [A].
2. At the front right corner, remove the screw of the lock bar [B] (x 1 M3x6). **Keep this screw.**
3. Push in the lock bar.
4. Slowly push the unit [C] against the left side of the upstream unit (or main machine) so that the lock bar is directly and squarely under the arms of the joint bracket.
5. Pull out the lock bar so it slides up into the notches in the arms on both ends of the joint bracket [D].
6. Fasten the lock bar by re-attaching the screw removed in **Step 2** (x 1).
7. Connect the I/F cable [E] to the upstream unit (or main machine).

Note

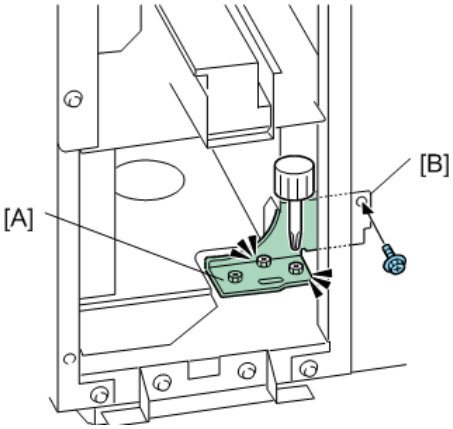
- If you are connecting to the main machine, you must first remove the plastic cap on the I/F cable connection point.



8. Remove:
   - [A] Rear upper cover (x4)
   - [B] Rear lower cover (x3)



9. Use a short screwdriver to loosen bracket [A] (x 2).
10. Fasten the bracket to the upstream unit at [B] (x 1).
11. Tighten the screws (x 3).
12. Re-attach the rear covers.

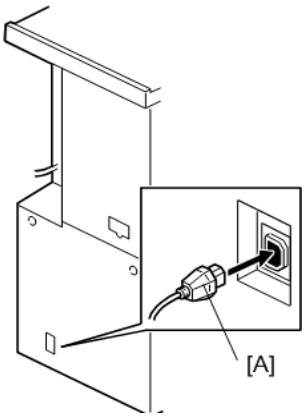


Power Cord

1. Insert the power cord socket 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.



2. Plug in the power cord for the Multi-Folding Unit into an AC wall outlet.
3. Disconnect the power cord from the copier, and then press the main power switch.

Important

- This releases the charge remaining inside the machine. If you do not do this step, the copier will not recognize the Multi-Folding Unit and paper jams will occur. (See “Replacement and Adjustment” → “Notes on the Main Power Switch”).

4. Plug in the power cord for the copier into an AC wall outlet.
5. Turn ON the main power switch.

Important

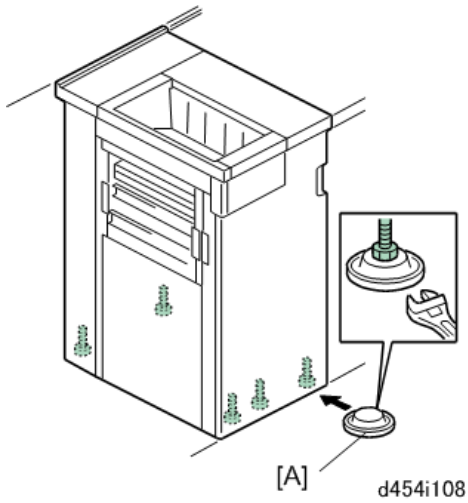
- If the copier main power turns on automatically when you plug in the cord, wait until the machine finishes warming up. Then, turn the main power OFF and ON again.

6. Make sure that the Multi-Folding Unit operates correctly.

Height Adjustment

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

1. Turn the lower nut to lower the bolt.
2. Set the leveling shoes [A] below the bolt.



Removing Parts for the Cover Interposer Tray CI4020 (D712)

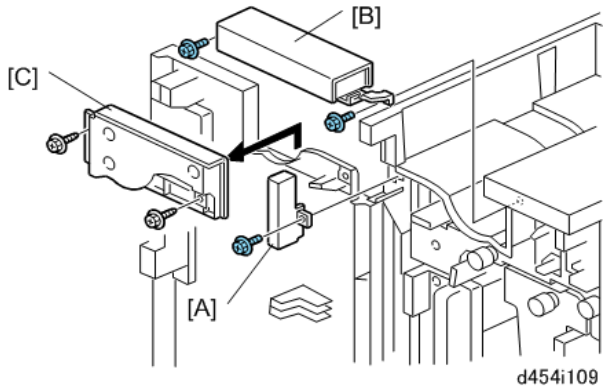
Three parts must be removed before the tray unit of the cover interposer tray can be mounted on top of the Multi Folding Unit.

1. Open the front door.

Important

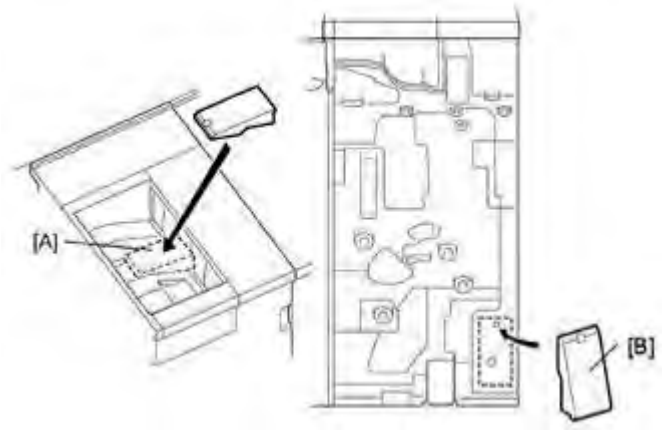
- The following parts require removal only if the upstream unit is the Cover Interposer Tray CI4020 (D712).
- These parts must be removed so that the tray unit of the Cover Interposer Tray will fit on top of the Multi Folding Unit.

2. Remove:
   - [A] Bracket (x 1)
   - [B] Cross-piece (x 2)
   - [C] Metal plate from the door (x 2)
3. After removing [B] and [C], reattach [A].



Proof Tray Auxiliary Plate

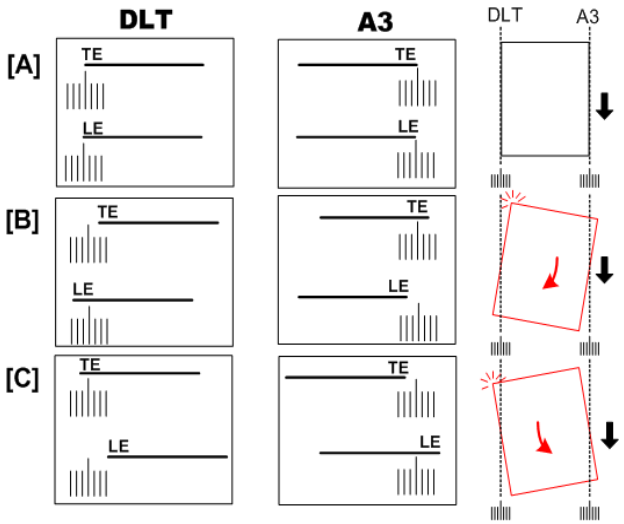
1. Install the proof tray auxiliary plate.
   - Set the plate [A] in the center aligned with the diagonal groove.
   - The back should be flat against the end fence.
2. When the plate is not being used, open the front door and store the plate at [B] inside the inner cover.
   - The plate should be used when Z-folded paper (all sizes) is output to the proof tray.
   - If the plate is not used with Z-folded output, the pages could mix and overlap.



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

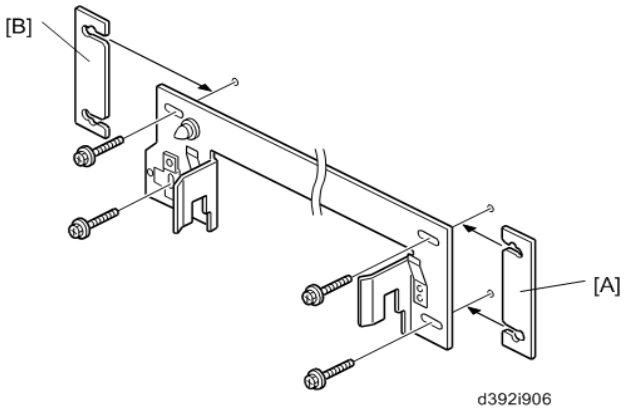
1. Disconnect the multi folding unit from the upstream unit.
2. Remove the spacers from the multi folding unit.

3. Loosen the screws (x4) of the joint bracket attached to the upstream unit.
4. Insert a spacer and tighten the screws.

   If the trailing edge of the paper is **skewing toward the front** of the machine, insert a spacer [A] under the **rear end of the bracket** and tighten the screws.

   -or-

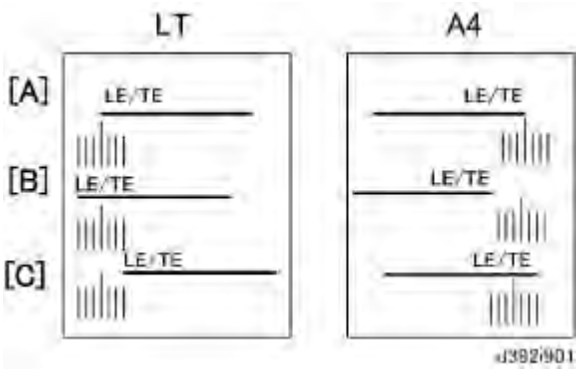
   If the trailing edge is **skewing toward the rear** of the machine, insert a spacer [B] under the **front end of the bracket** and tighten the screws.



5. 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).

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.
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.
   - 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.

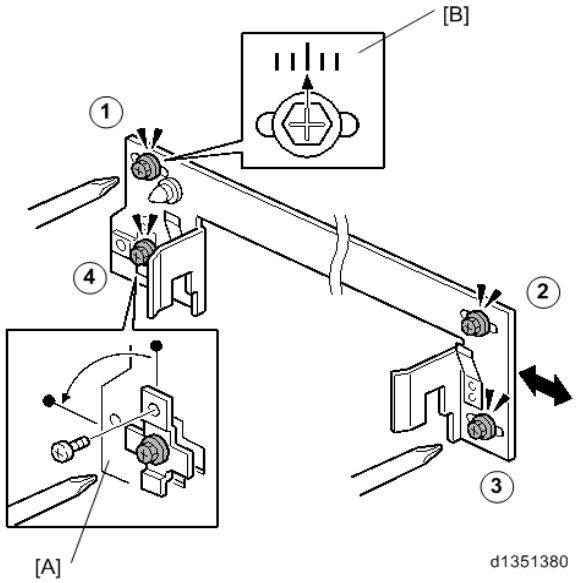
[B] Leading/trailing edges offset to the rear by more than 2 mm. Adjustment required.

[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

1. Disconnect the multi-folding unit from the upstream unit.



2. On the joint bracket attached to the upstream unit, loosen screws ①, ②, ③, and ④.
3. Remove 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.
4. Look at the scale [B].
5. Slide the bracket to the left or right and tighten the screw.
6. 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 the screw ①.
7. Tighten screws ②, ③, and ④.
8. Do another test run, so that you can check the results of the adjustment.

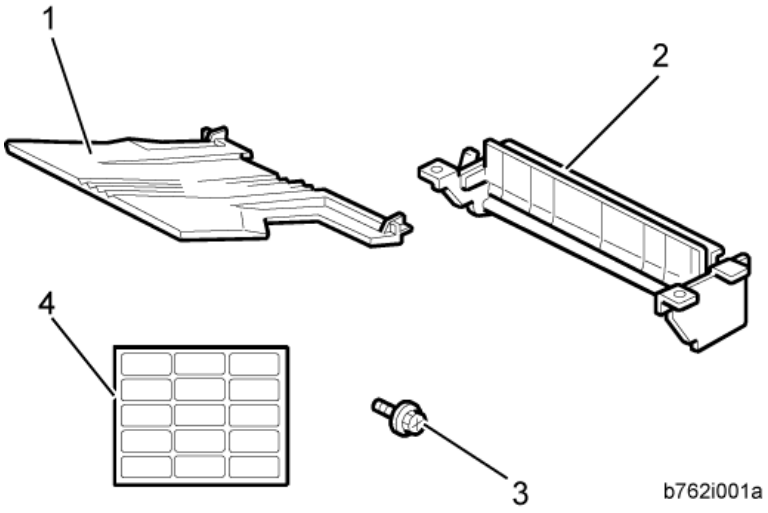
2.12 MAIL BOX CS4010 (D708) (D135/D136 ONLY)

The Mail Box CS4010 is installed on the Finisher SR4090 or Booklet Finisher SR4100. It cannot be installed with the Cover Interposer Tray CI4010. (Either the mailbox or cover interposer tray can be installed on top of the finisher, but not both.)

2.12.1 ACCESSORIES

Check the accessories and their quantities against this list.

No.	Description	Qty
1.	Trays	9
2.	Guide plate	1
3.	Tapping screws - M3x8	6
4.	Decals (bin display)	1



2.12.2 INSTALLATION PROCEDURE

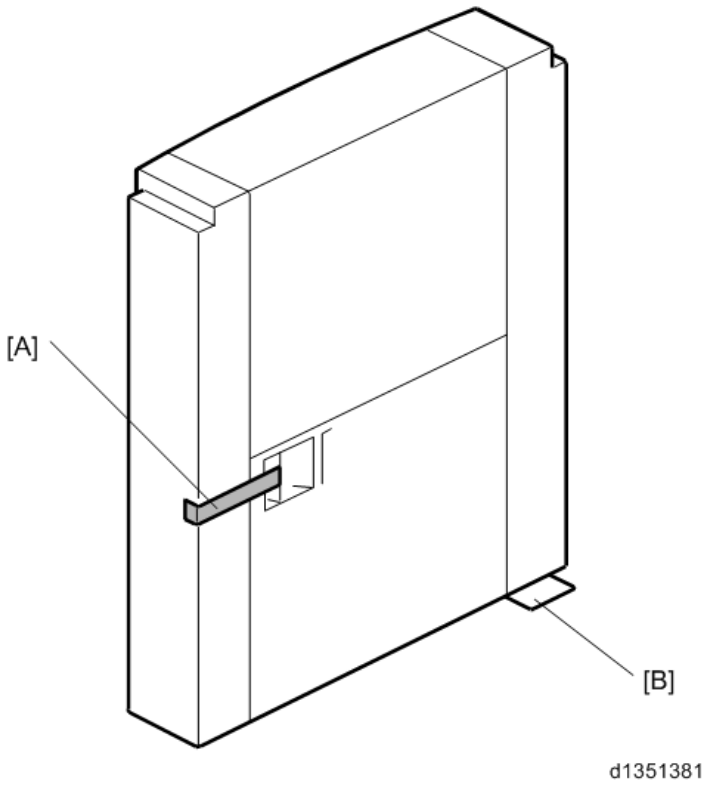
⚠WARNING

- Turn the machine off and disconnect the machine power cord before you start this procedure.

1. Remove the filament tape [A].

Important

- Move the mailbox carefully. It is easy to cause damage to the corner leaf plate [B].



2. If the Cover Interposer Tray CI4010 is installed on the Finisher SR4090 or Booklet Finisher SR4100, remove it.

Note

- The cover interposer tray and mailbox cannot be installed on the finisher at the same time.

3. Remove the finisher from the main machine.
   - Disconnect the finisher connector [A] to the machine.

d1351196

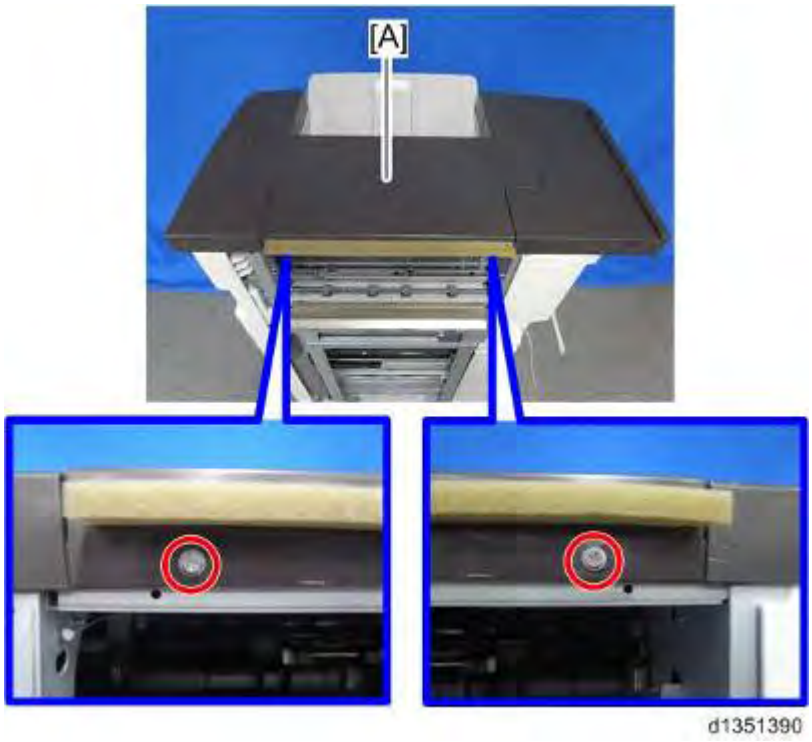
- Open the front door [A] of the finisher, and pull the lock lever [B]. (x 1)

d1351391

- Remove the finisher from the main machine.

d1351392

4. Remove the top cover [A] from the finisher (x 2).

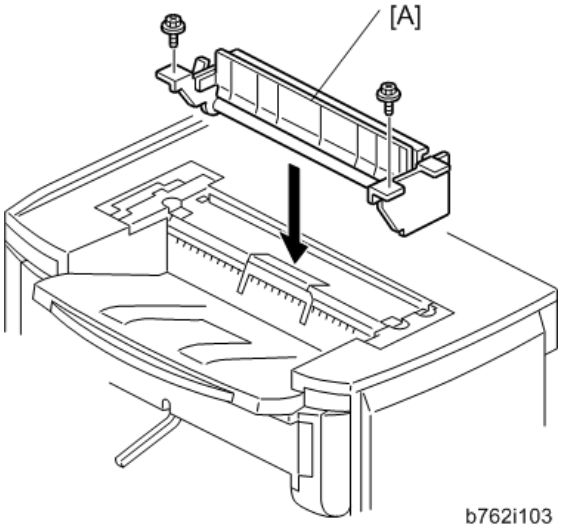


5. Install the finisher on the main machine.
   - Slowly push the finisher against the left side of the machine, keeping its front door open until the brackets go into their slots.

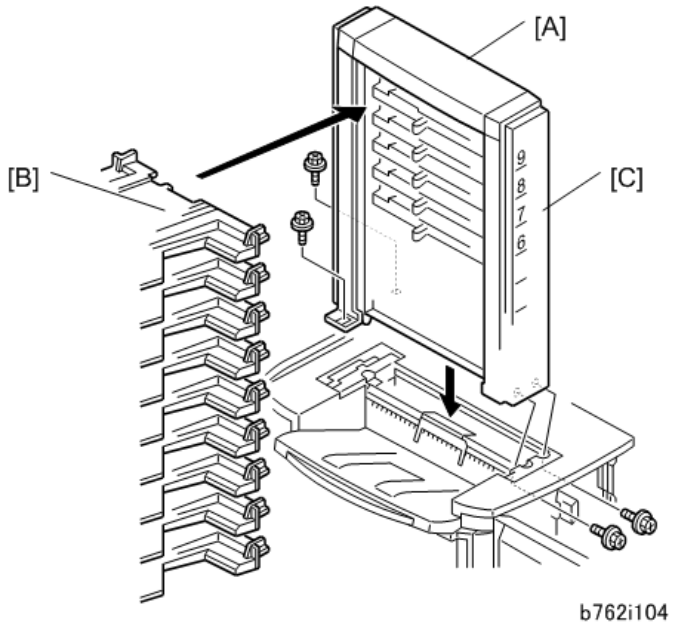
   - Push the lock lever [A], and then secure it (x 1).

- Connect the finisher connector [A] to the machine.

6. Attach the guide plate [A] to the top of the finisher (x 2, M3 x 8).



7. Attach the mailbox [A] to the top of the finisher (x 4, M3 x 8).
8. Attach the 9 trays [B] to the mailbox.
9. Give the decals [C] to the customer. The customer will write on these and attach them at the correct location.



10. Turn on the main power switch of the machine.
11. Check the finisher operation.

2.13 COVER INTERPOSER TRAY CI4010 (D711)

Cover Interposer Tray CI4010 (D711) is for installation on the Finisher SR4090 (D703)/Booklet Finisher SR4100 (D704) only and not on Finisher SR4110 (D707).
Cover Interposer Tray CI4010 (D711) inserts cover or slip sheets into copied or printed outputs.

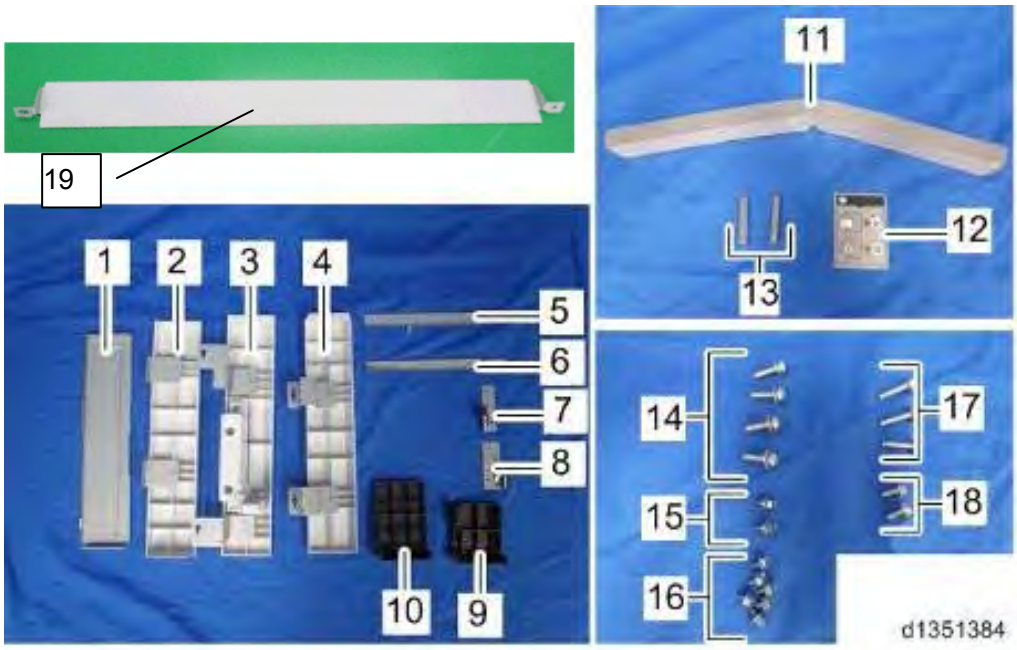
2.13.1 ACCESSORIES

Check the accessories and their quantities against this list.

No.	Description	Q'ty
1	Plate Extension (bottom)	1
2	Rear cover extension (bottom)	1
3	Front door extension (top)	1
4	Front door extension (bottom)	1
5	Connecting Bracket (rear)	1
6	Connecting Bracket (front)	1
7	Front Joint Bracket	1
8	Rear Joint Bracket	1
9	Right front corner plate	1
10	Right Rear Cover Plate	1
11	Cushion (with double-sided tape)	1
12	Label	1
13	Gasket Seals	2
14	Screws– M4 x 14	4
15	Shoulder screw	2
16	Tapping screws – M3 x 6	6
17	Tapping screws – M4 x 16	3
18	Tapping screws – 3 x 6	2

⇒ 19	*Guide Plate: Connecting: Lower (P/N: D7114237)	1

* When the CI4010 is connected with a Decurler unit DU5020 or a Buffer pass unit Type5020 replace the accessory bracket with item 19 (Guide Plate: Connecting: Lower). See the replacement procedure at the end of CL4010 Installation.

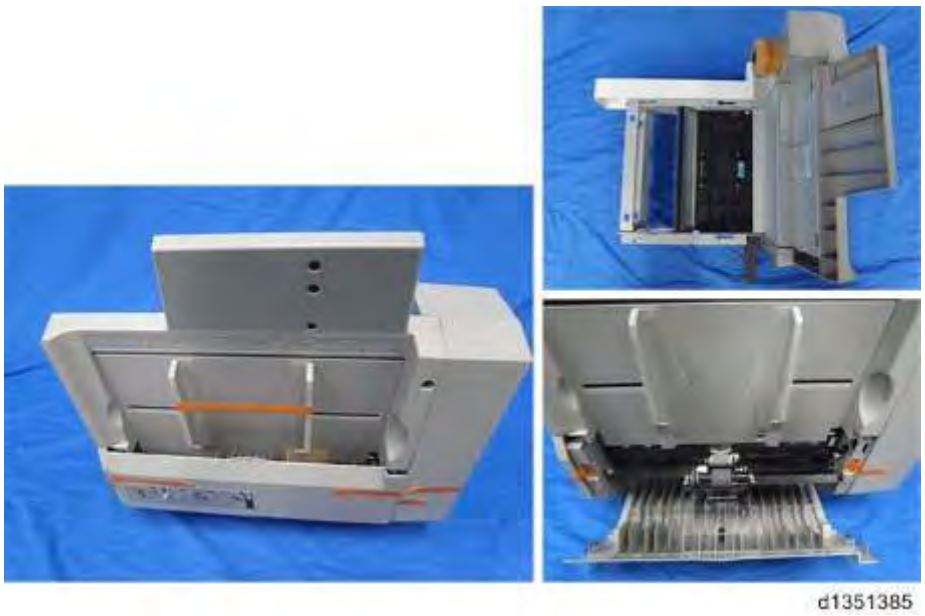


2.13.2 INSTALLATION PROCEDURE

⚠CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

1. Remove all tape and retainers from the cover interposer tray.



2. If the finisher is connected to the main machine, disconnect it.
   - Disconnect the finisher connector [A] from the main machine.

d1351196

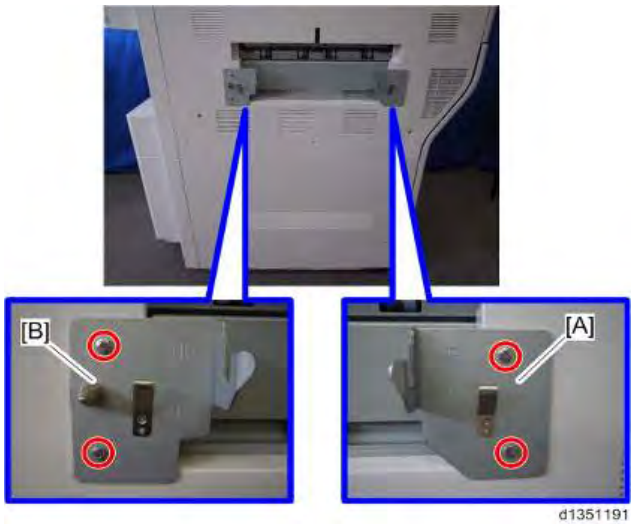
   - Open the front door [A] of the finisher, and pull the lock lever [B]. (x 1)

d1351391

   - Disconnect the finisher from the main machine.

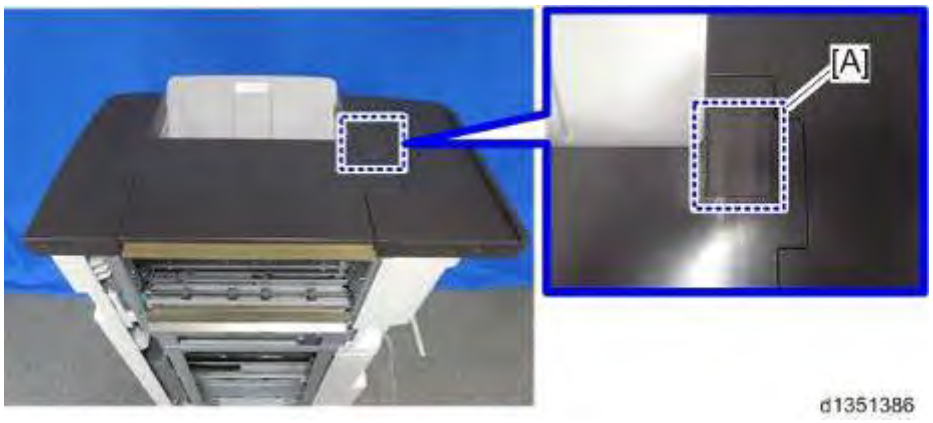
d1351392

3. Remove the front joint bracket [A] and rear joint bracket [B]. (x 4)



d1351191

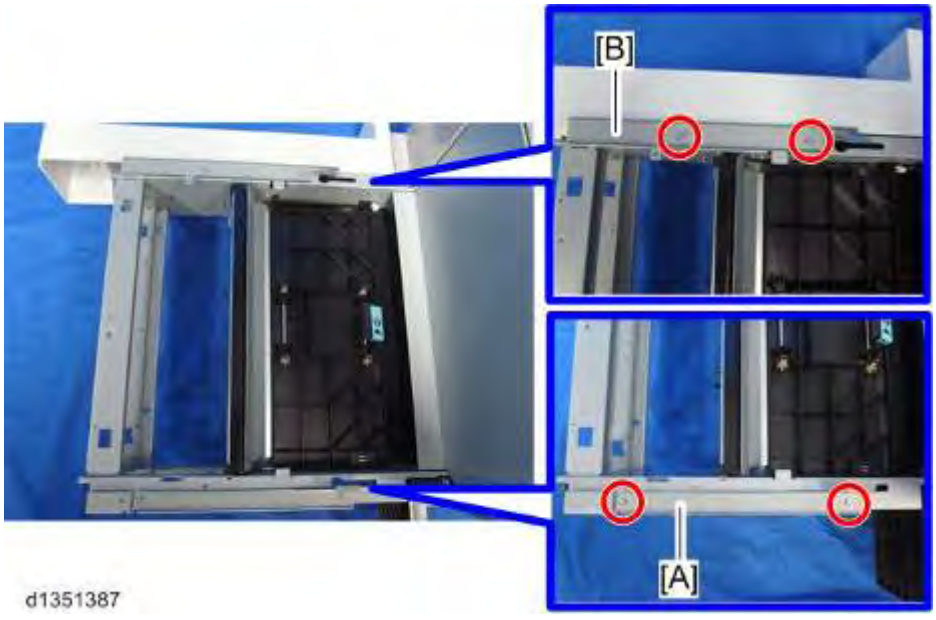
4. Remove the cover [A] from the finisher.



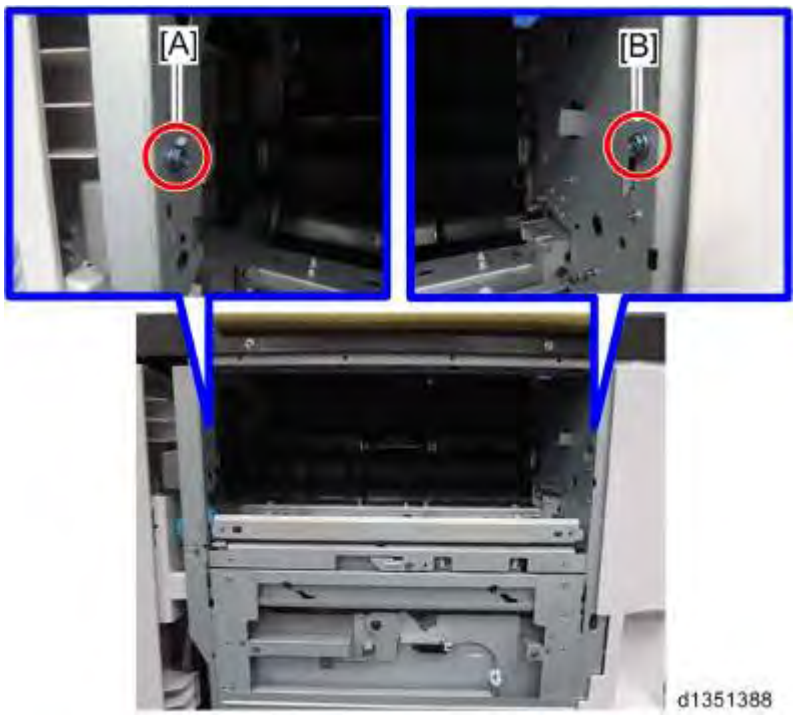
⇒5. **(D137/D138 only)** Remove the docking bracket [A] from the finisher. (x 2)

IMPORTANT: See **2.13.3 Replacing The Guide Plate** for the procedure.

6. Install the front connecting bracket [A] and rear connecting bracket [B]. (x 2; 3 x 6)



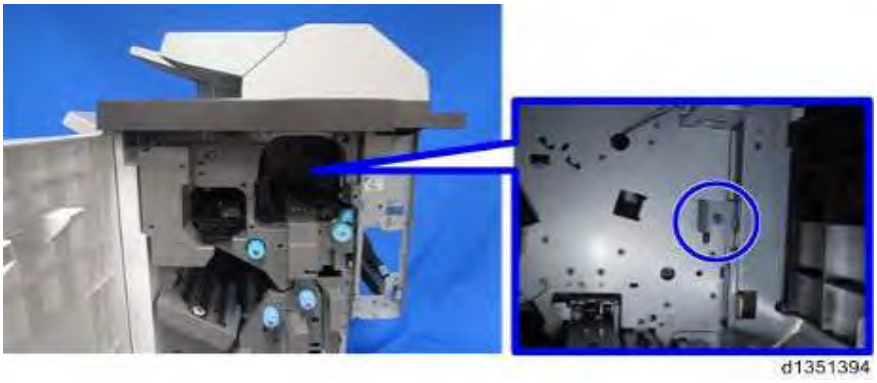
7. Install the shoulder screws from inside the finisher. (x 2; shoulder screws)
   - Front side [A]: (x 1)
   - Rear side [B]: (x 1)



8. Open the finisher front door, and then install the cover interposer tray [A] on the finisher.

Note

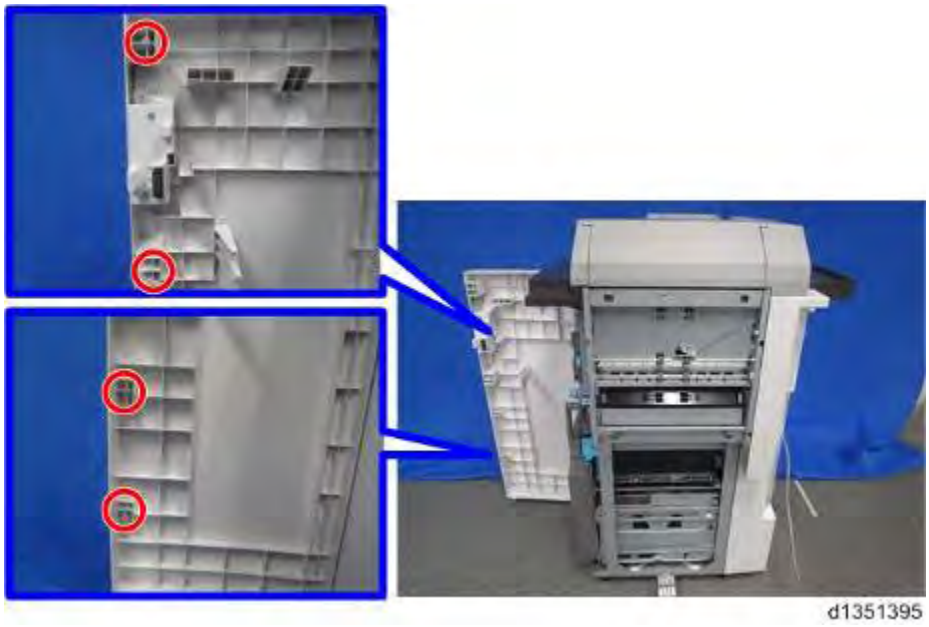
- Make sure the cover interposer tray is set on the shoulder screws installed in step 7.



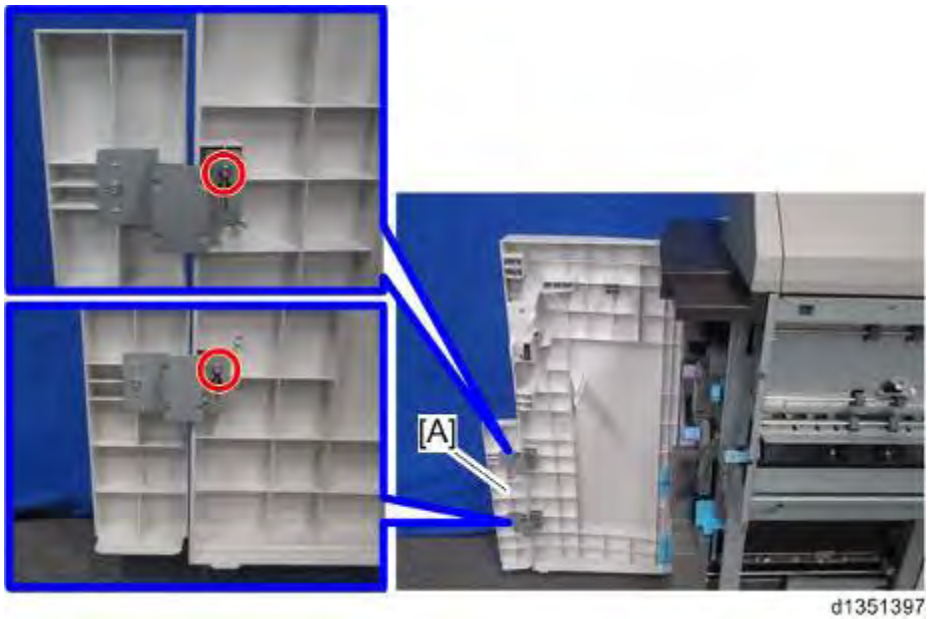
9. Fasten the cover interposer tray on the finisher. (x 1; M3 x 6)

d1351396

10. Install the 4 screws in the front door of the finisher. (x 4; M4 x 8)

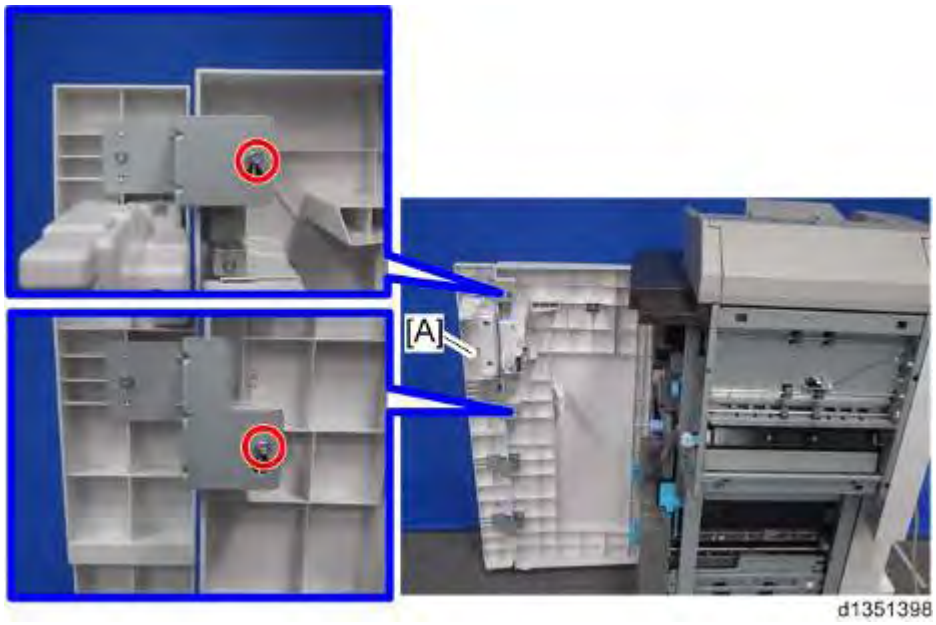

d1351395

11. Install the bottom front cover extension [A] on the front door. (x 2; screws installed in step 10)



d1351397

12. Install the top front cover extension [A] on the front door. (x 2; screws installed in step 10)



d1351398

13. Install the rear cover extension [A] on the right side of the finisher. (x 2; M3 x 6)

d1351399

14. Remove the ground plate [A] from the finisher. (x 2)

⇒

d1351189

15. Install the ground plate [A] provided with the cover interposer tray. (x 2; M3 x 6)

d1351401

16. Install the ground plate [A] removed in step 14. (x 2; screws removed in step 14)

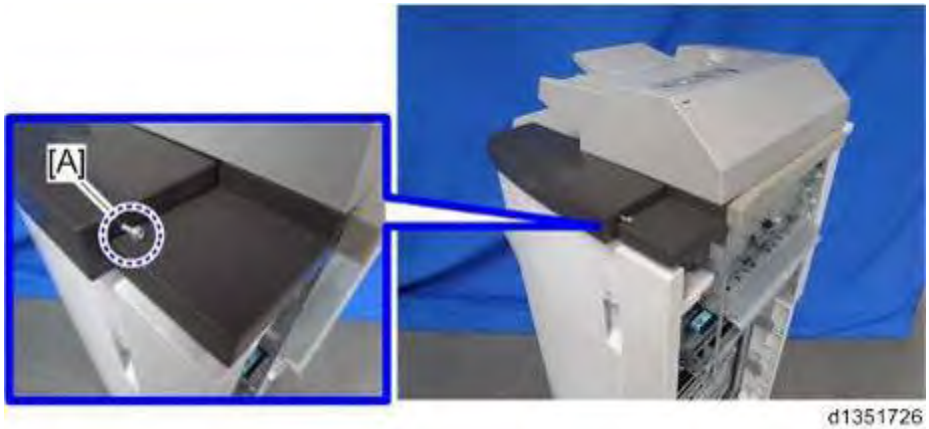
⇒

d1351189

17. Peel the 2 labels from the finisher.
    - Front side: The label is placed at [A]
    - Rear side: The label is placed at [B].

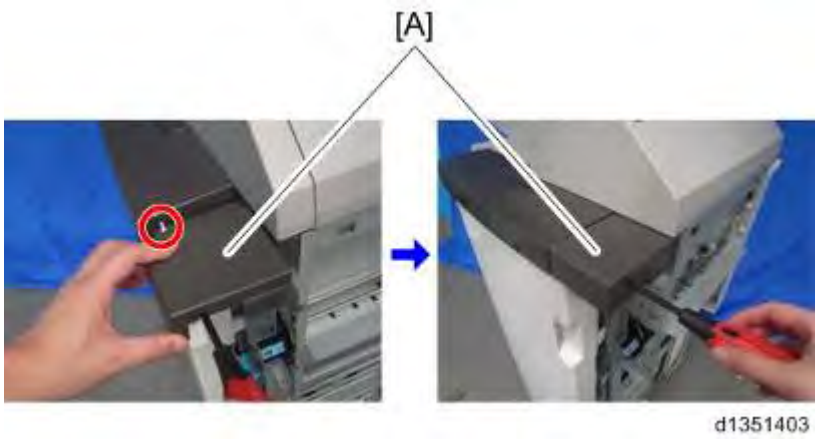
d1351411

18. Temporary tighten the screw [A] at the front side of the finisher. (x 1; M4 x 16)



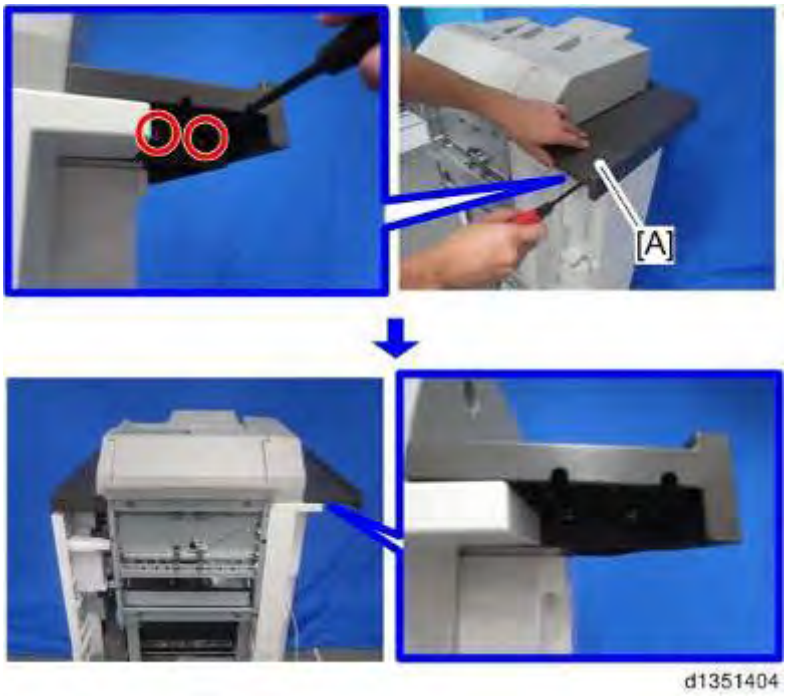
d1351726

19. Install the right front corner plate [A], and fasten the screw installed in step 18. (x 1; M4 x 16)

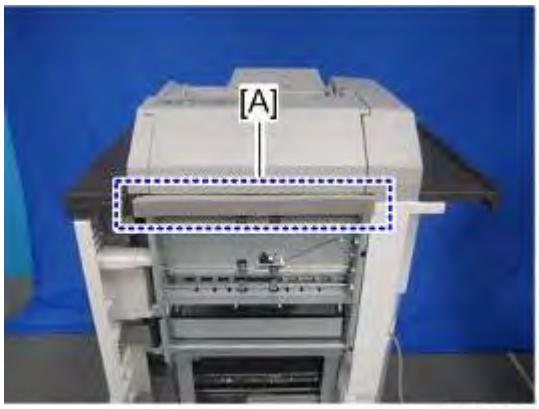


20. Temporary tighten the two screws [A] at the rear side of the finisher. (x 2; M4 x 16)

21. Install the right rear cover plate [A], and fasten the screws installed in step 20. (x 2; M4 x 16)



22. Attach the cushion [A] to the finisher.



d1351405

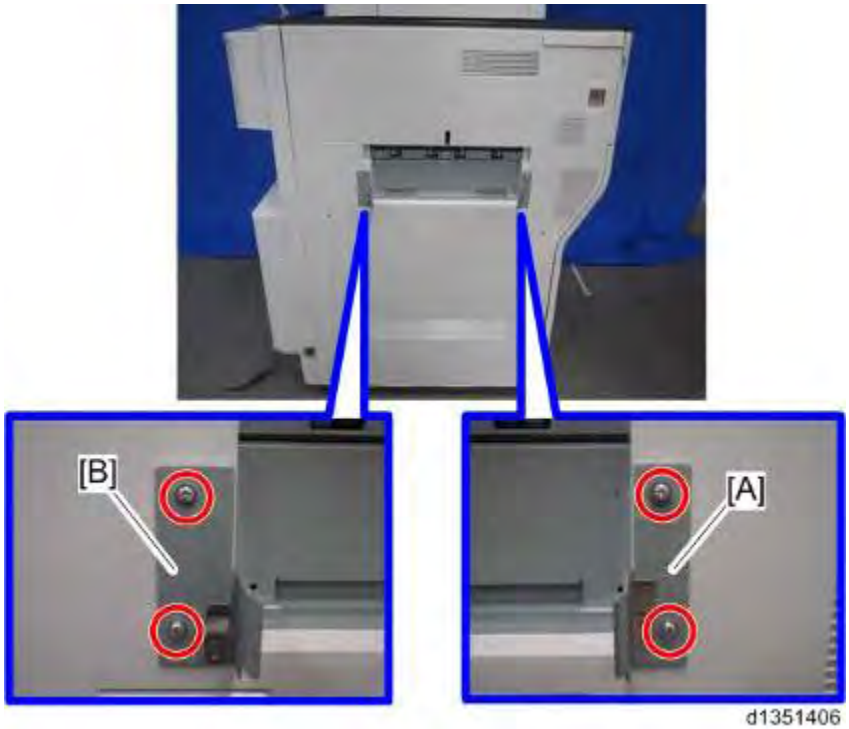
23. Open the front door of the finisher, and pull the lock lever [A]. (x 1)

d1351408

Note

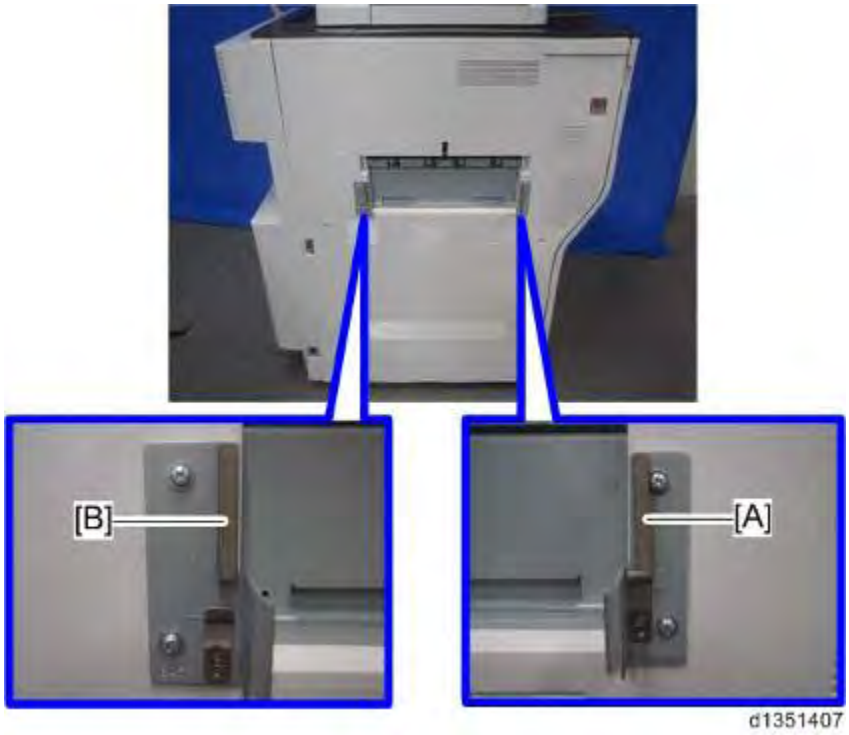
- Keep the screw that you removed.

24. Install the front joint bracket [A]. (x 2; M4 x 14)
25. Install the rear joint bracket [B]. (x 2; M4 x 14)



d1351406

26. Attach the gasket seals [A] and [B].



27. Slowly push the finisher with cover interposer tray against the left side of the machine, keeping its front door open until the brackets go into their slots.

28. Push the lock lever [A], and then secure it. (x 1; screw removed in step 23).

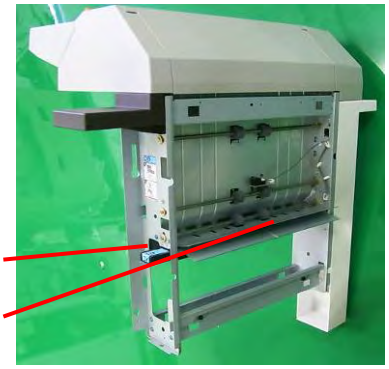
29. Connect the finisher connector [A] to the main machine.

30. Plug the machine and switch the machine on.
31. Enter the [System Settings].
32. Set the [Interposer] for the [Front Cover Sheet Tray], [Back Cover Sheet Tray], and [Designation Sheet 2 Tray] of the [Tray Paper Settings].

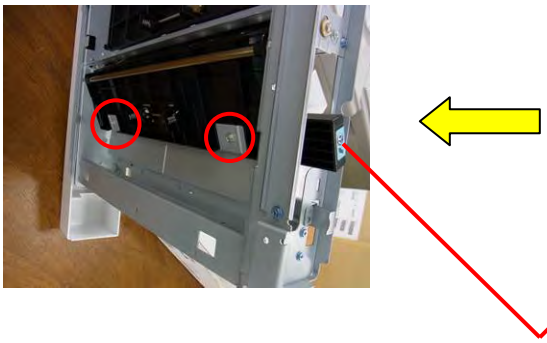
⇒ 2.13.3 REPLACING THE GUIDE PLATE:

IMPORTANT (D137/D138 ONLY):

If the "Decurler Unit DU5020 (D727)" or "Buffer Pass Unit Type 5020 (D751)" is included in the configuration, the original guide plate [A] must be replaced with "GUIDE PLATE: CONNECTING: LOWER" (item#19 of accessories). With the original guide plate [B] installed, lever [A] will catch the optional device if released for jam recovery (***).

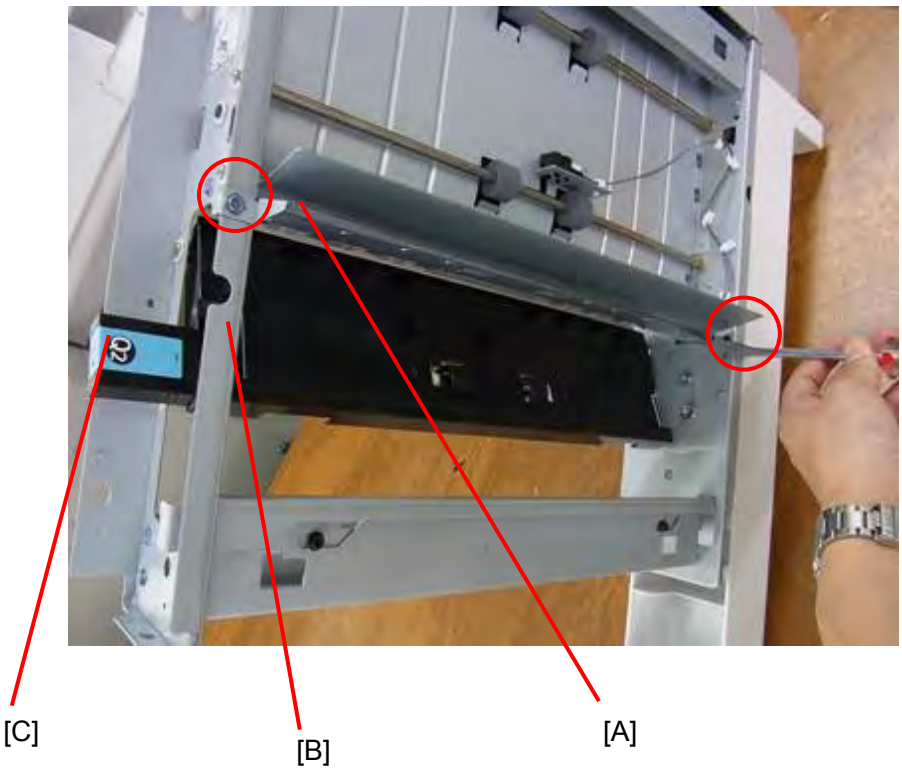


1. Release the lever [A] and remove the guide plate [B]. (🔩 x2)



The original guide plate will no longer be used and does not have to be stored.

2. Attach the new guide plate [A] (item#19 of accessories) to the frame [B] of the cover interposer and lift up the lever [C] to its home position. (🔩 x 2)



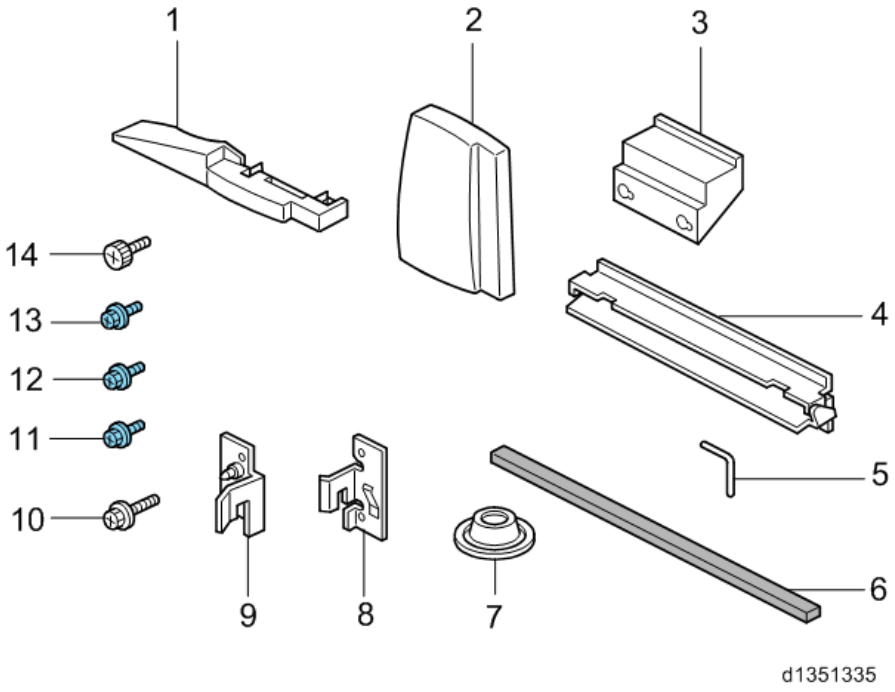
2.14 COVER INTERPOSER TRAY CI4020 (D712)

Cover Interposer Tray CI4020 (D712) is for installation on the Finisher SR4110 (D707) only and not on Finisher SR4090 (D703)/Booklet Finisher SR4100 (D704).
Cover Interposer Tray CI4020 (D712) inserts cover or slip sheets into copied or printed outputs.

2.14.1 ACCESSORIES

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

No.	Description	Q'ty
1.	Base Cover (Tray Unit)	1
2.	Rear Cover	1
3.	Spacer	1
4.	Relay Guide Plate	1
5.	"L" Hinge Pins (Tray Unit Front Cover)	2
6.	Sponge Strip	1
7.	Leveling Shoes	4
8.	Front Docking Bracket	1
9.	Rear Docking Bracket	1
10.	Screw (M4 x 14)	4
11.	Screw (M3 x 6)	2
12.	Screw (M3 x 8)	1
13.	Screws (M4 x 8)	7
14.	Flat Knob Screw	1



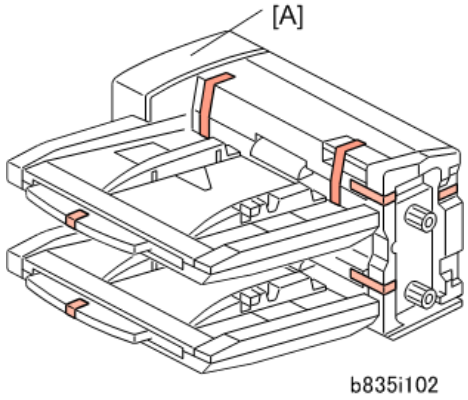
2.14.2 INSTALLATION PROCEDURE

Setting up the Unit and Docking to the Copier

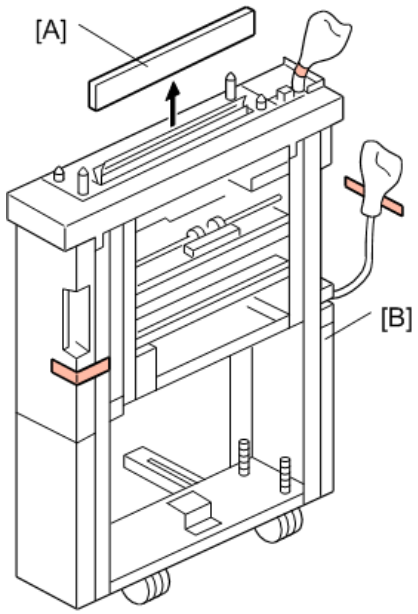
⚠CAUTION

- Unplug the power cord before starting the following procedure.

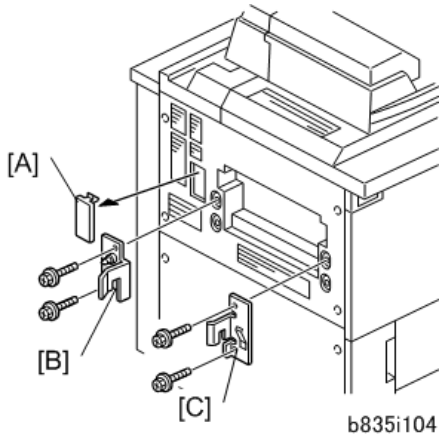
1. Remove all the tape and shipping materials from the tray unit [A].



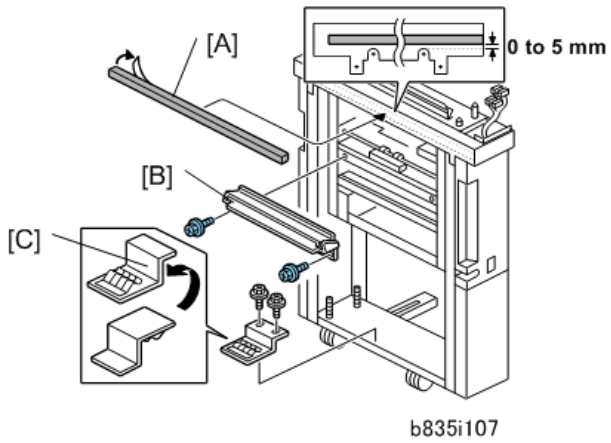
2. Remove cover [A].
3. Remove all tape and shipping materials from the transport unit [B].



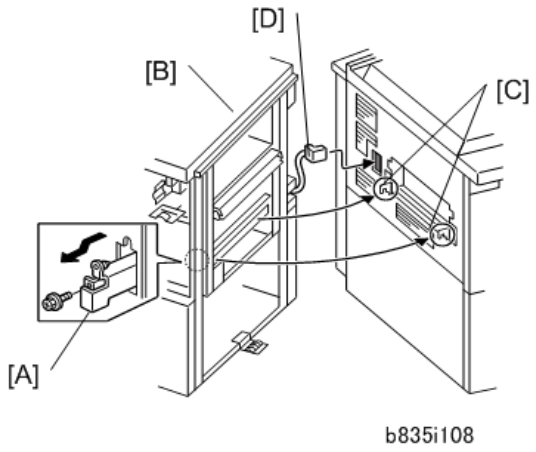
4. Remove the interface connector cover [A].
5. Attach the rear docking bracket [B] (x2; M4x14).
6. Attach the front docking bracket [C] (x2; M4x14).



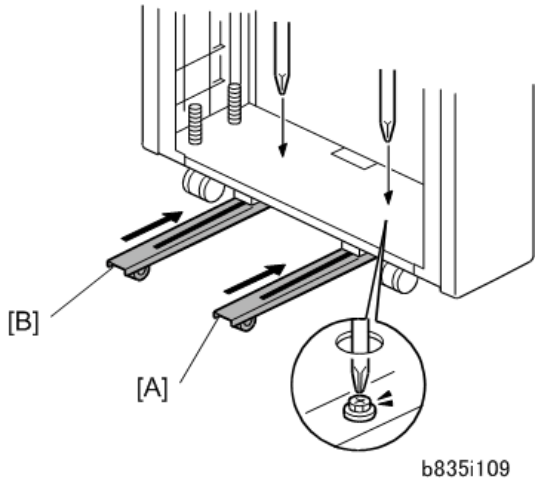
7. Peel the tape from the back of the sponge strip [A] and attach it as shown.
8. Attach the relay guide plate [B] (x2; M3x6).
9. Remove the ground plate [C] from the bottom cross-piece (x2).
10. Turn the ground plate over.
11. Reattach the ground plate with the same screws as shown (x2).



12. Open the front door of the cover interposer tray.
13. Pull out the locking lever [A].
14. Align the finisher [B] with the joint brackets [C], then slowly push the finisher onto the brackets.
15. Connect the finisher cable [D] to the copier
16. Push in the locking lever.
17. Check that the top edges of the finisher are parallel with edges of the finisher (or copier) to the right.
18. Fasten the locking lever [A]. (x 1)



19. Push the runners [A] and [B] in and re-fasten them again with the screws.



20. Close the front door.

Docking the Next Peripheral Device

The next peripheral device to the left of the cover interposer tray must be installed before you can mount the tray unit on top of the transport unit of the cover interposer tray.

- The tray unit of the cover interposer tray is supported by the top of the next peripheral device in line to the left, as well as the transport unit of the cover interposer.
- The next peripheral device to the left of the cover interposer must be set up and docked to the cover interposer before the transport unit of the cover interposer can be mounted.

Connect the next peripheral unit now.

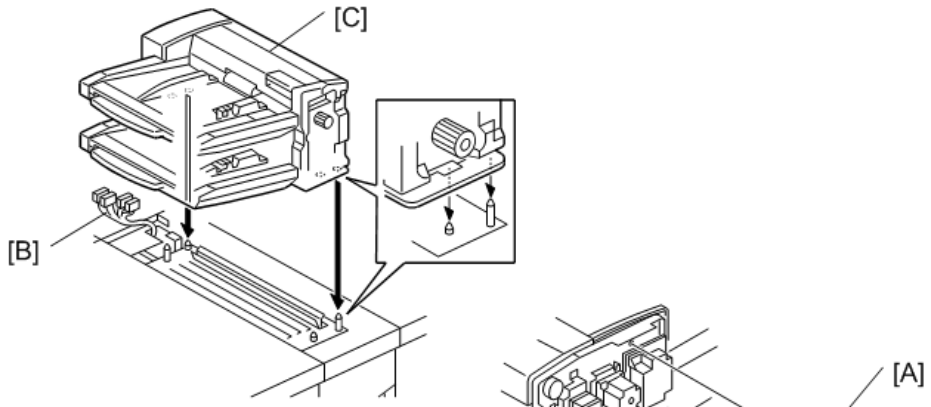
- Finisher SR4110 (☛page 2-87 "Finisher SR4110 (D707)")

⚠CAUTION

- Never attempt to mount the cover interposer tray unit until the next device in line has been docked to the transport unit (base) of the cover interposer tray.
- To prevent bending the frame of the tray unit and damaging its alignment, always remove the tray unit from the cover interposer tray transport unit: (1) Before disconnecting either the cover interposer tray or the next peripheral device to the left, or (2) Before doing any maintenance on either the cover interposer tray or the next peripheral device to the left.

Mounting the Tray Unit

1. Remove the rear cover [A] (x2).
2. Confirm that the connectors [B] are free.
3. Place the tray unit [C] on top of the cover interposer transport unit.
4. Attach the knob screw [D] (x1).
5. Connect the harness connectors [E] (x5)



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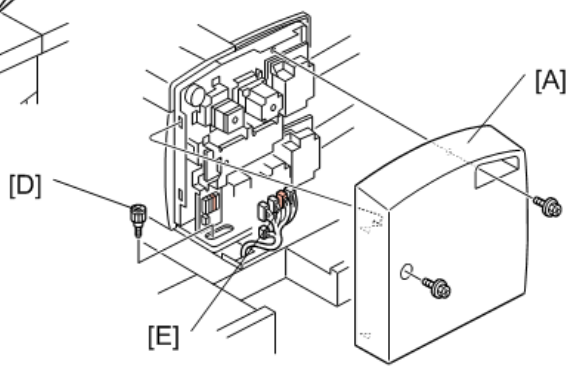

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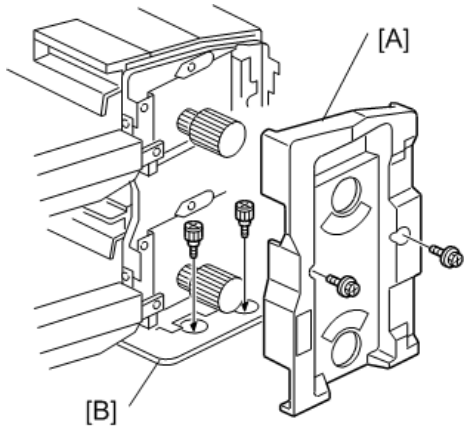
6. Reattach the rear cover.
7. Remove the front inner cover [A] from the dual-tray unit (x2).
8. Fasten the tray unit to the top of the transport unit with the knob screws [B] (x2; M4x8).



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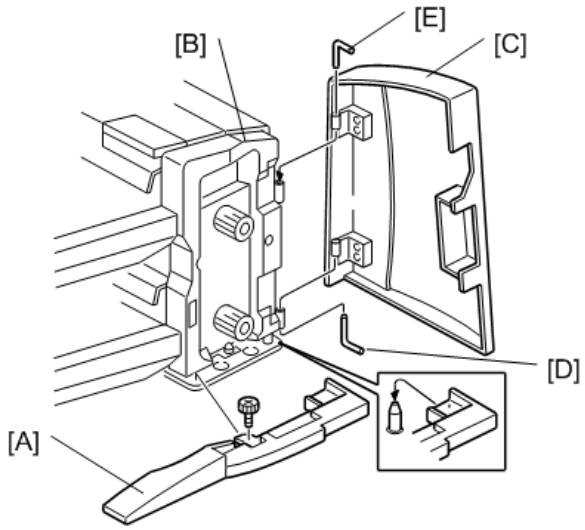
9. Attach the base cover [A] (x1; M4x10).
10. Confirm that the holes in the cover match the positions of the reference pins.
11. Re-attach the front inner cover [B] (removed at step 7 above).
12. Position the tray unit front door [C] so that its hinges match the posts on the frame of the tray unit.
13. Hold the lower L-pin [D] as shown, insert it halfway, push it up, then rotate it into its groove.
14. Hold the upper L-pin [E] as shown, insert it halfway, push it down, then rotate it into its groove.



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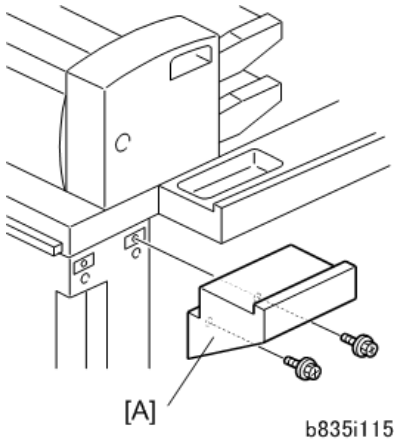
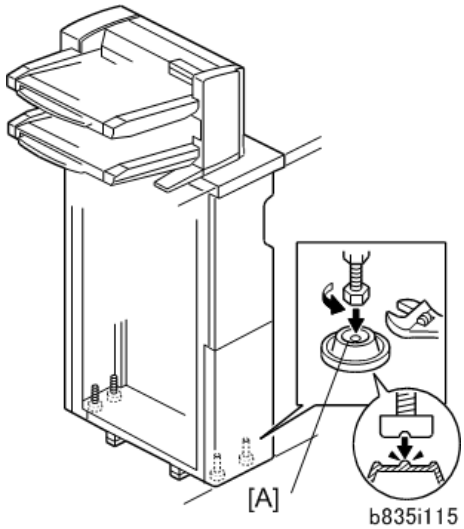
15. Attach the spacer [A] to the rear of the transport unit (x2; M4x12).



b835i115

16. Set the leveling shoes [A] (x4) under the feet.



b835i115

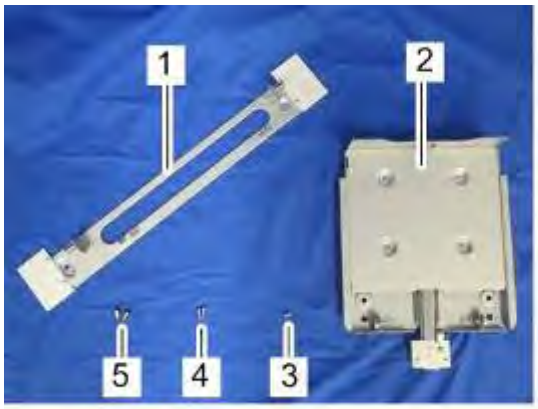
17. Turn the nuts to adjust the height of the cover interposer until it is level.

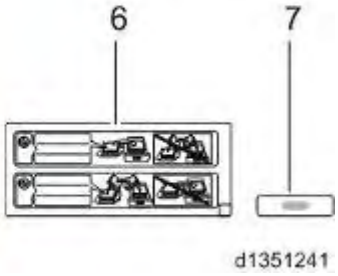
2.15 LCIT RT4020 (D709)

2.15.1 ACCESSORIES

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

No	Description	Q'ty
1	Stay	1
2	Rail	1
3	Tapping screws – M3 x 6	2
4	Tapping screws – M4 x 14	2
5	Shoulder screws	2
6	Decal: caution chart: paper set direction	1
7	Decal: LED	1





d1351241

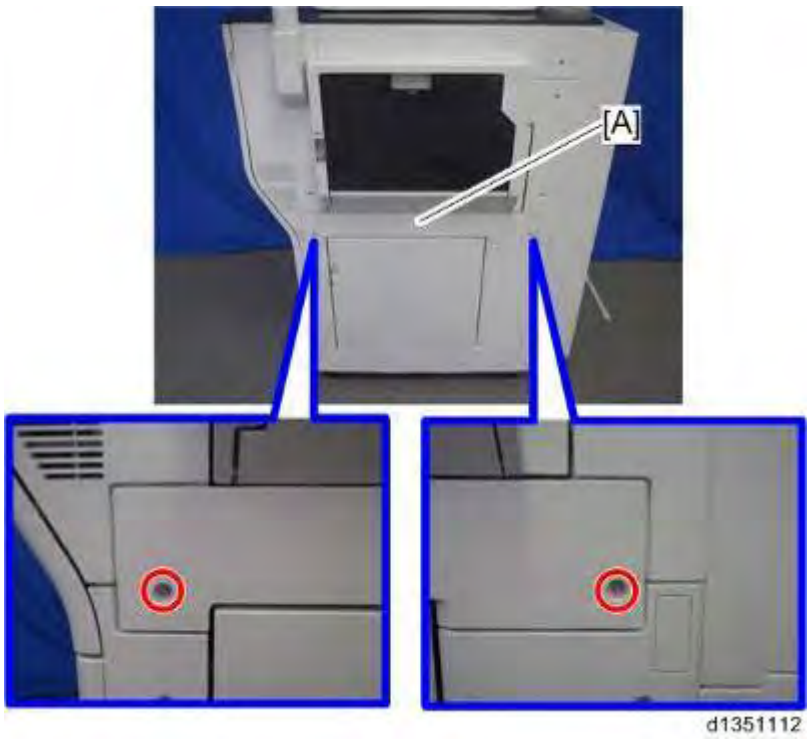
2.15.2 INSTALLATION PROCEDURE

⚠CAUTION

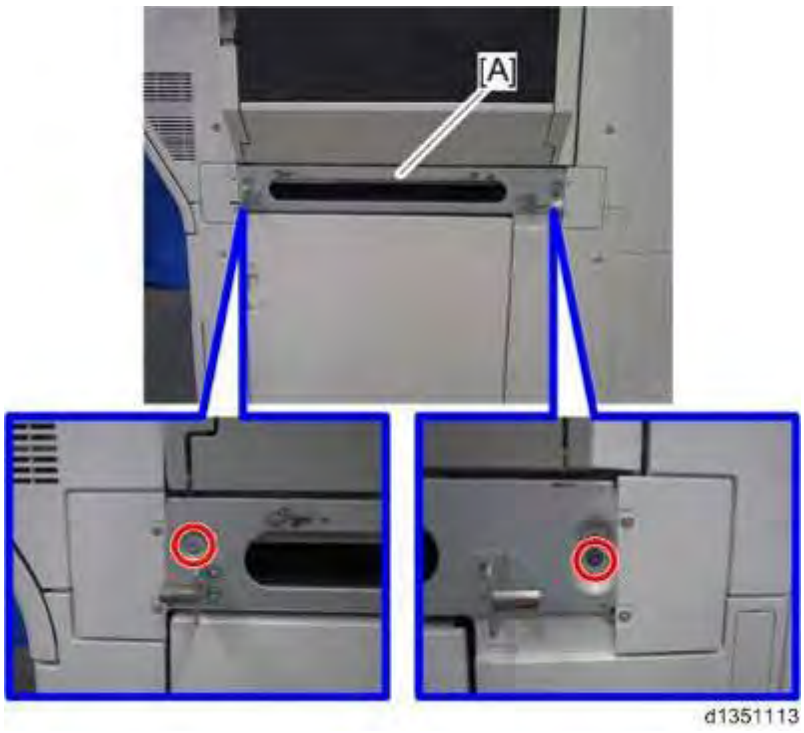
- Always switch the machine off and unplug the machine before doing the following procedure.

1. Remove all tape and retainers from the LCT.

2. Remove the paper entrance cover [A] from the main machine. (x 2)



3. Install the stay [A] on the main machine. (M3 x 6; x 2)



4. Remove the connector cover [A] from the main machine.

5. Install the rail [A] on the right side of the main machine. (M4 x 14; x 2)

Note

- The rail must be standing on the floor. If the screw holes on the LCT are too high or too low, and do not overlap the vertical screw slots in the rail, the rubber feet of the rail must be adjusted. (☛page 2-174 "Adjustment for the Rubber Foot Positions on the Rail")

6. Set the LCT [A] on the rail [B], and then slide it towards the main machine.

d1351119

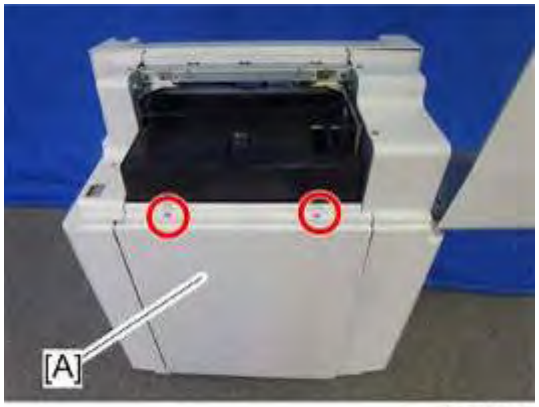
7. Install the LCT on the main machine.

d1351120

8. Open the top right cover [A].

d1351068

9. Right cover [A] (x2)



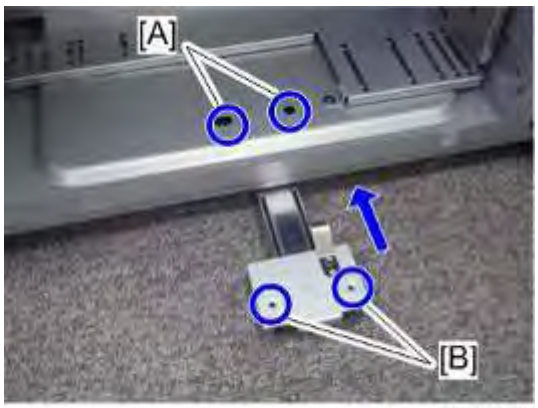
d1351074

10. Fasten the rail to the LCT. (shoulder screws; x 2)

d1351122

Note

- When you fasten the rail to the LCT, the screw holes [B] of the rail need to be in the same position as the screw holes [A] of the LCT.

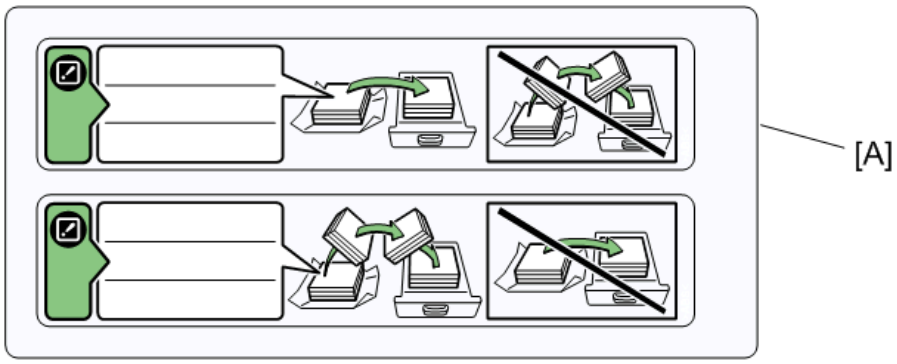


d1351121

11. Reattach the right cover, and then connect the plug [A] of the LCT power connector to the side of the machine.

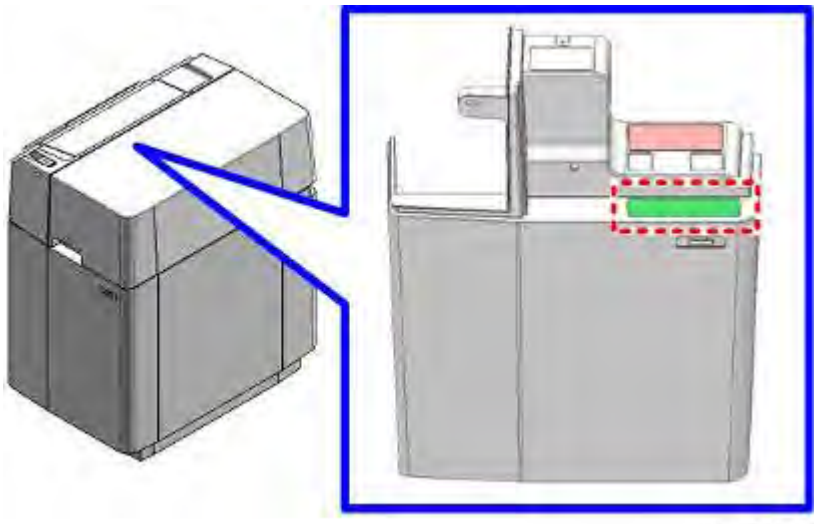
d1351124

12. Prepare the Decal: caution chart: paper set direction [A].



d1354017

13. Open the top right cover and attach the decal as shown below.
    Select one of the decals according to the paper that will be used by the customer.



d1354007

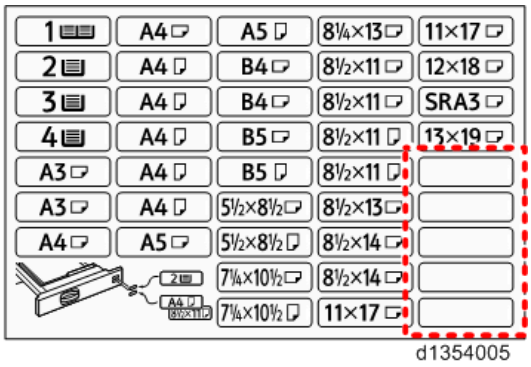
Note

- Paper type, brand, etc can be written on the blank space.

14. Attach a decal to the front.

D137/D138: Attach the Decal: LED supplied with the LCIT.

D135/D136: Attach a blank sheet on the paper size decal supplied with the main machine.



15. Plug in the machine and turn it on.

Note

- To move down the paper tray, cover the photosensor with your left hand and press the bottom plate operation button [A].

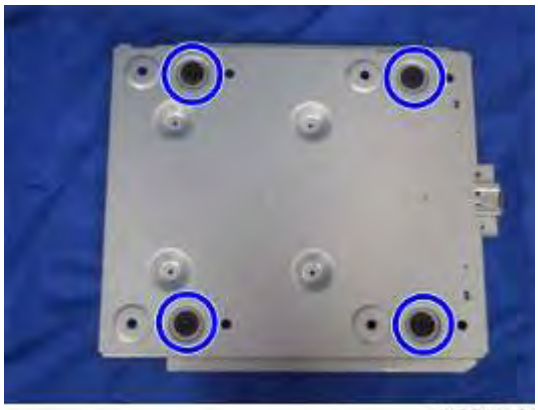
2.15.3 ADJUSTMENT FOR THE RUBBER FOOT POSITIONS ON THE RAIL

The rail must be standing on the floor. If the screw holes on the LCT are too high or too low, and do not overlap the vertical screw slots in the rail, the rubber feet of the rail must be adjusted. Change the rubber foot positions on the rail before installing the rail.

1. The rubber feet are placed at [A] as shown below.

2. The slotted screw holes in the rail for attaching the rail to the LCT have a tolerance for the height (-/+ 2 mm). If you can install the rail within -/+ 2 mm in height, you do not need to do the following steps.
3. If you cannot install the rail within -/+ 2 mm in height, change the rubber foot position to adjust the height of the rail.
   - If the screw holes of the main machine are above the slotted holes of the rail, change the rubber foot position as shown below.

   - If the screw holes of the main machine are below the slotted holes of the rail, change the rubber foot position as shown below.



d1351118

Note

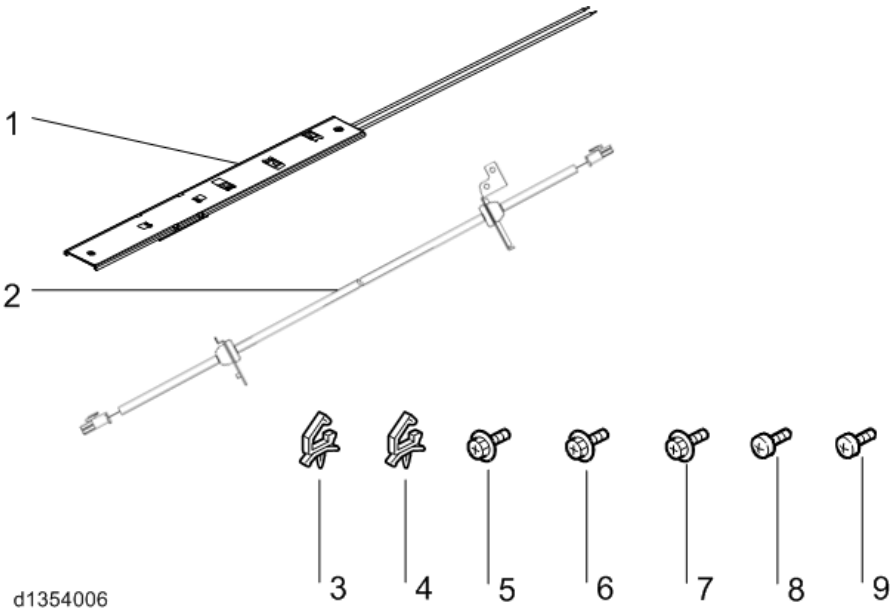
- When changing the rubber foot position, remove the rail bracket [A]. (x 4). After changing the rubber foot position, reinstall the rail bracket.

d1351116

2.15.4 LCIT (D709) TRAY HEATER

Accessories

Check the accessories against the list below.



d1354006

No	Description	Q'ty
1	Heater: 15W	1
2	Heater Harness	1
3	Harness clamp	4
4	Harness clamp	1
5	Tapping Screw:4x6	2
6	Tapping Screw:4x8	2
7	Tapping Screw - M3x6	2
8	Screw: Polished Round/Spring:M4x8	1
9	Screw: Polished Round/Spring:M3x8	1

Installation

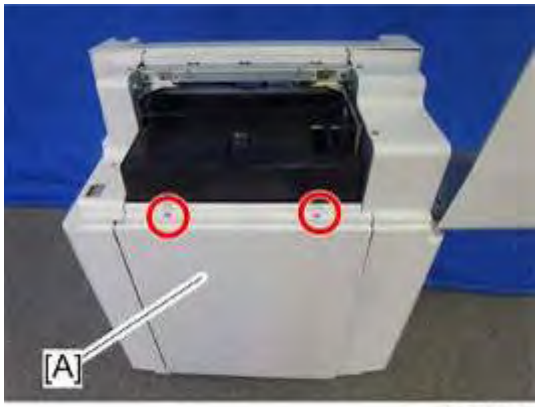
1. Open the top right cover [A].

2. To move down the paper tray, cover the photosensor with your left hand and press the bottom plate operation button [A].

3. Remove the side fences [A]. (x 4)

4. Close the top right cover to move the paper tray upward. (The paper tray stops in about 30 seconds.)
5. Switch the machine off and unplug the machine.
6. Disconnect the LCT power connector from the machine.
7. Open the top right cover [A].

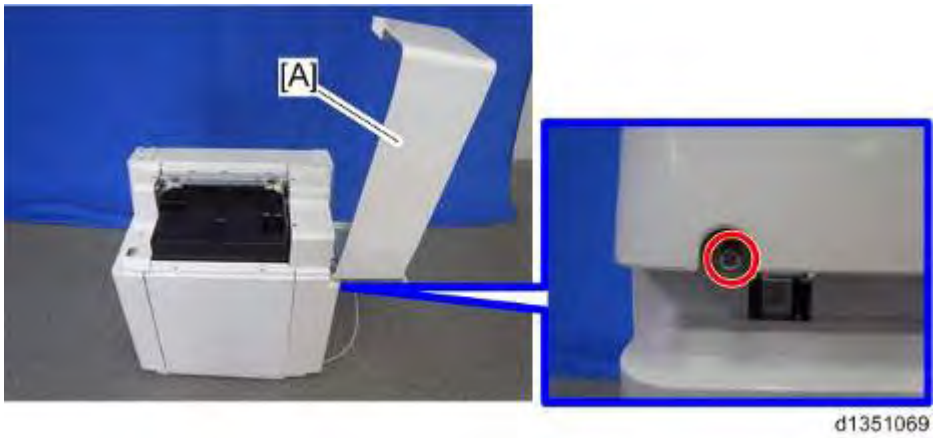
8. Right cover [A] (x2)



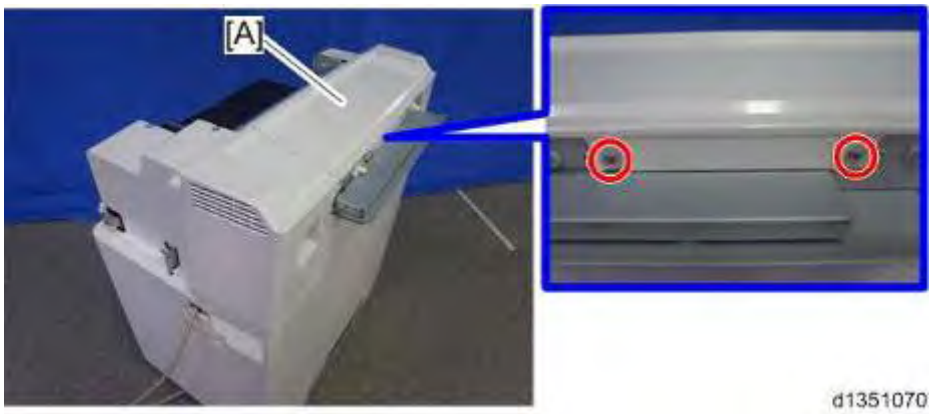
9. Release the LCT from the main machine. (x 2)

10. Slide the LCT [A] against the main machine, and then remove it from the rail [B].

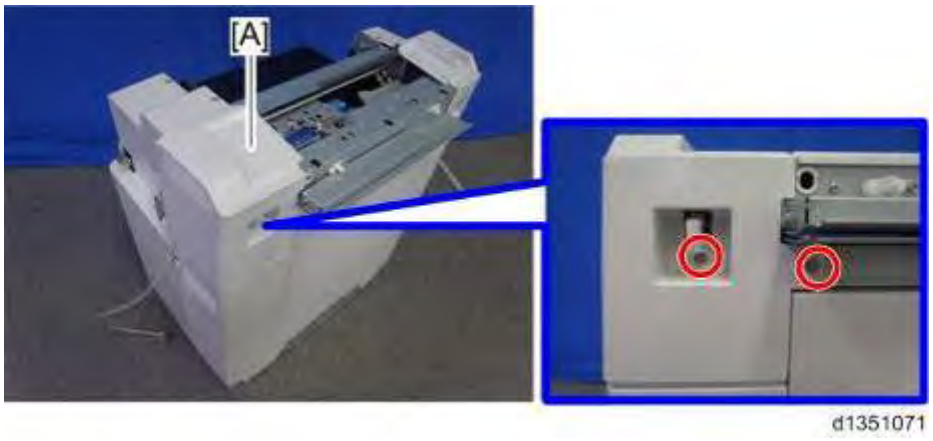
11. Top right cover [A] (x1)



12. Top left cover [A] (x2)

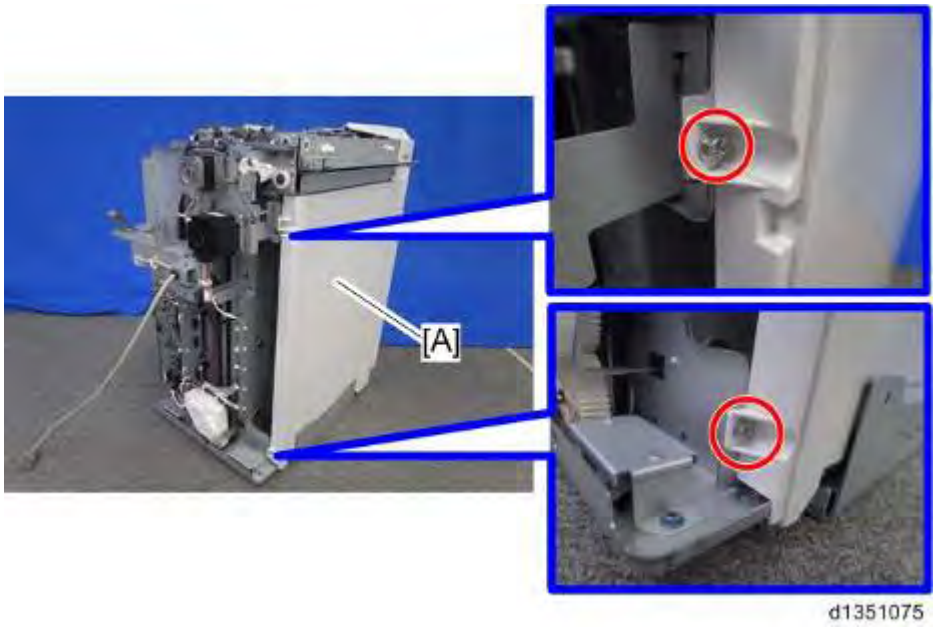


13. Rear left cover [A] (x2)

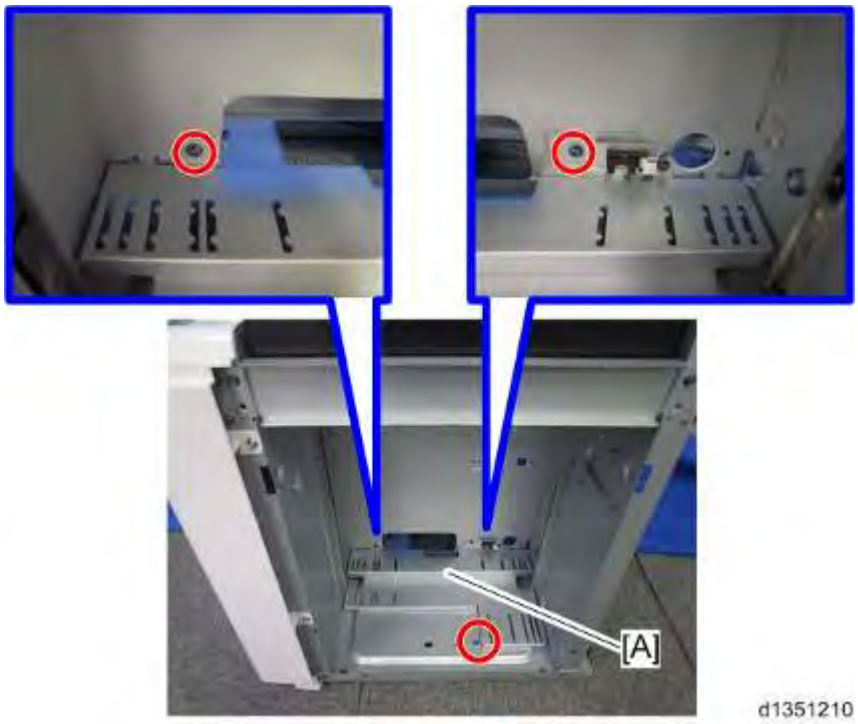


14. Rear cover [A] (x2)

15. Left cover [A] (x2)



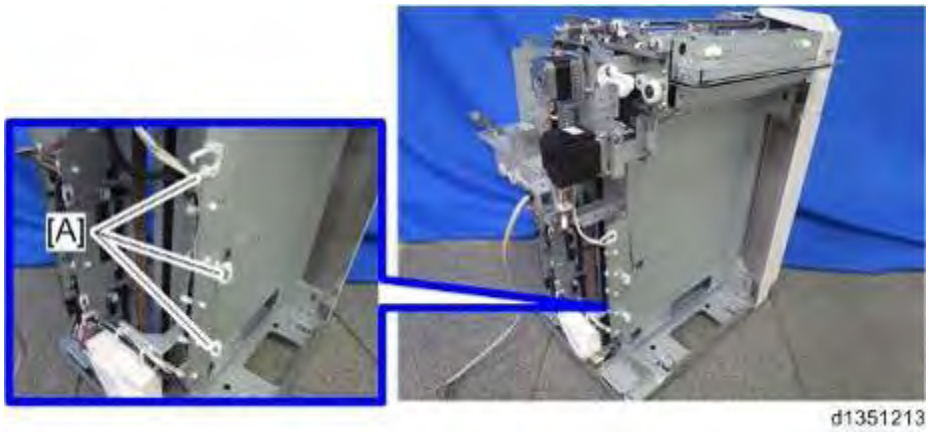
16. Remove the bottom bracket [A]. (x 3)



17. Attach the clamp [A] on the undersurface of the LCT. (x 1)

18. Attach the clamp [A] on the undersurface of the LCT. (x 1)

19. Attach the three clamps [A] on the front side of the LCT. (x 3)



20. Install the tray heater [A] in the LCT. (M4 x 6; x 2)

d1351214

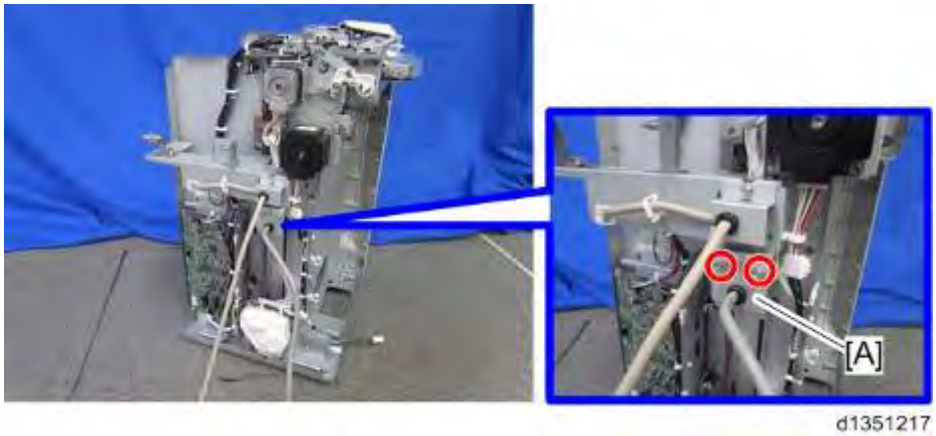
21. Route the heater harness to the right side of the LCT as shown below. (x 1)

d1351215

22. Clamp the harness routed from the left side of the LCT. (x 1)

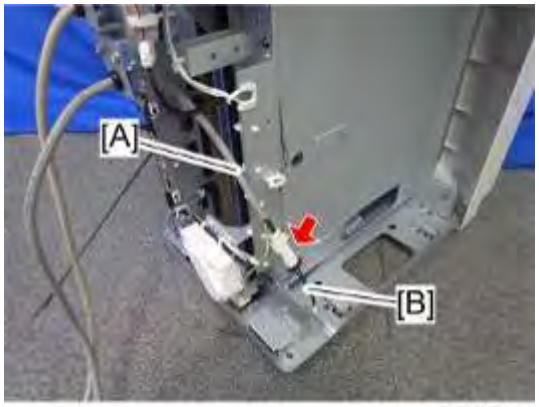
d1351216

23. Install the heater bracket [A] in the LCT. (M4 x 8; x 2)

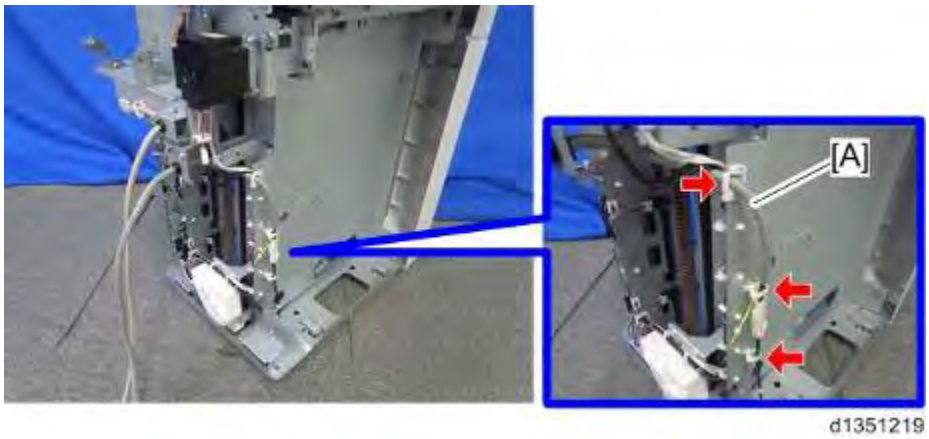


d1351217

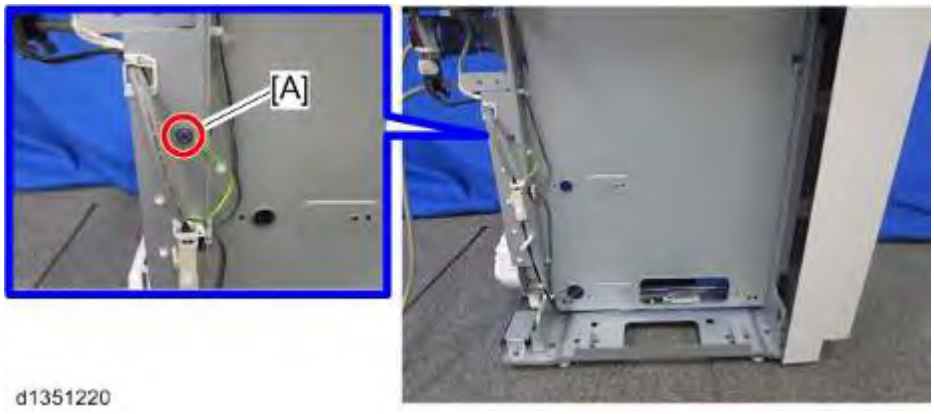
24. Connect the heater bracket [A] and heater harness [B]. (x 1)



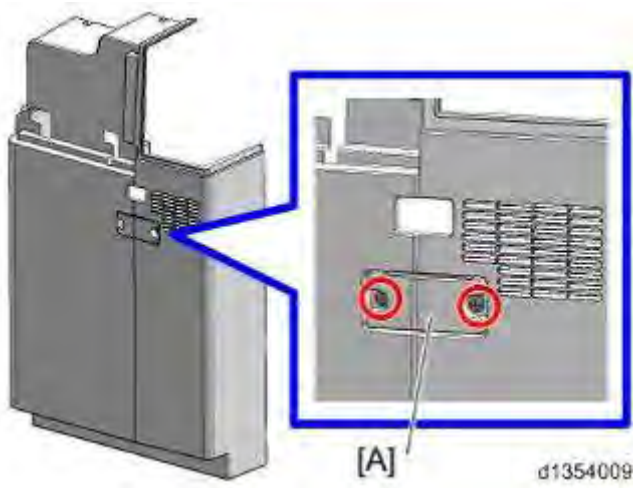
25. Route the heater harness and heater bracket [A] as shown below. (x 3)



26. Attach the ground wire [A] to the LCT. (M4 x 8; x 1)

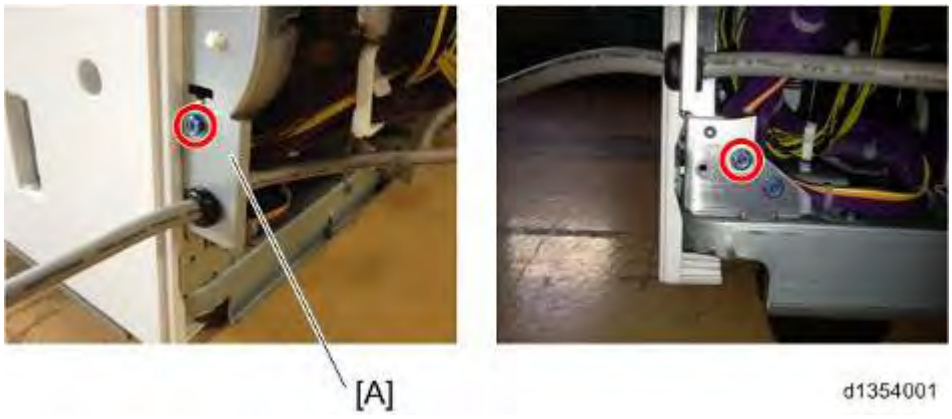


27. Remove the heater harness cover [A] from the rear cover (x 2).

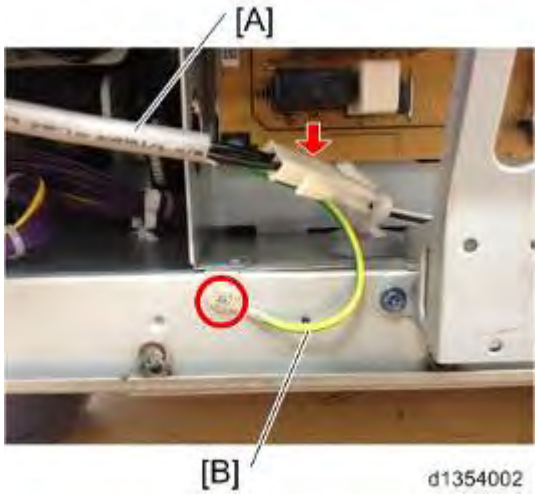


28. Reattach the following covers.
    - Left cover
    - Rear cover
    - Rear left cover
    - Top left cover
    - Top right cover

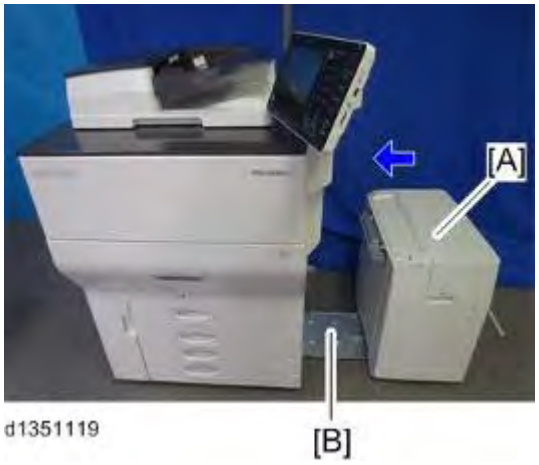
    When attaching the rear cover, pass the heater harness through the hole where the heater harness cover was.
29. Remove the rear lower cover of the main machine.
30. Fix the heater bracket [A]. (x 2)



31. Attach the heater harness [A] and ground wire [B]. (x 1, x 1)
    To attach the ground wire, remove the screw and replace it with the polished round screw M3.



32. Attach the rear lower cover of the main machine.
33. Set the LCT [A] on the rail [B], and then slide it towards the main machine.



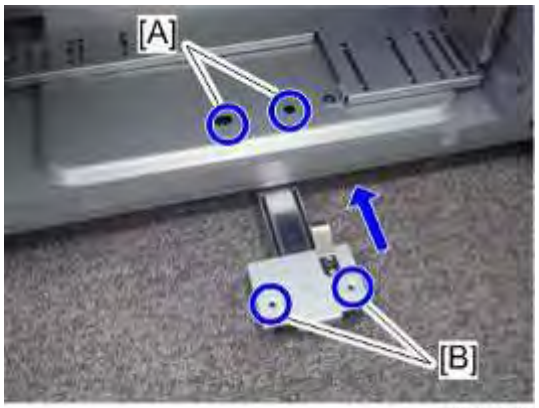
34. Install the LCT on the main machine.

35. Open the top right cover, and then fasten the rail to the LCT. (shoulder screws; x 2)

d1351122

Note

- When you fasten the rail to the LCT, the screw holes [B] of the rail needs to be in the same position as the screw holes [A] of the LCT.



d1351121

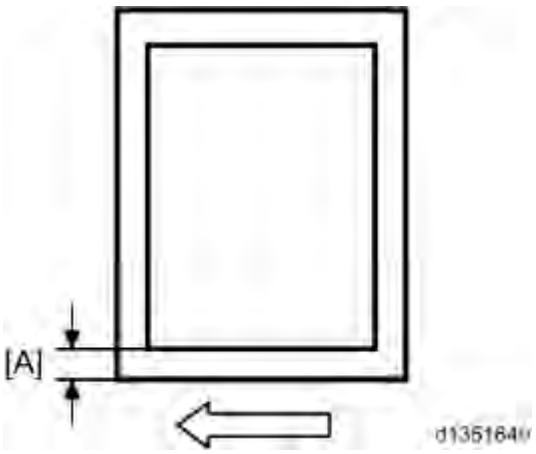
36. Reattach the right cover. (x 2)
37. Remove the cover of the main machine.
38. Connect the heater bracket to the main machine.
39. Reattach the cover of the main machine.
40. Connect the LCT power connector to the main machine, and then turn on the main power.
41. To move down the paper tray, cover the photosensor with your left hand and press the bottom plate operation button [A].

d1351125

42. Reattach the side fence.
43. Close the top right cover.

2.15.5 IMAGE ADJUSTMENTS: SIDE-TO-SIDE REGISTRATION

1. Use the Trimming Area Pattern (SP2-109-003, No. 14) to print the test pattern.
2. Go to SP1-003-007 (Side-to-Side Reg: LCT).
3. Load paper (A4 LEF) in the LCT tray, and then copy a couple of sheets.
4. Enter the value in SP1-003-007 to adjust the blank margin [A] to 2 mm.
   The default value is 0mm. Press [+] to broaden the margin, and press [-] to narrow it. You can adjust the value in 0.1mm intervals.



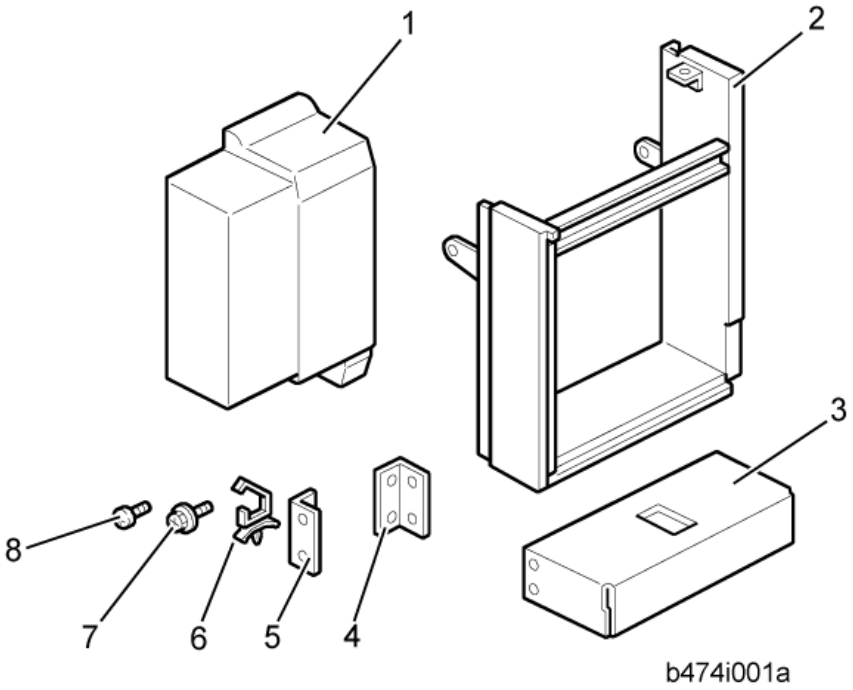
5. Exit the SP mode.

2.16 8 1/2" X 14" PAPER SIZE TRAY TYPE M2 (D745)

2.16.1 COMPONENT LIST

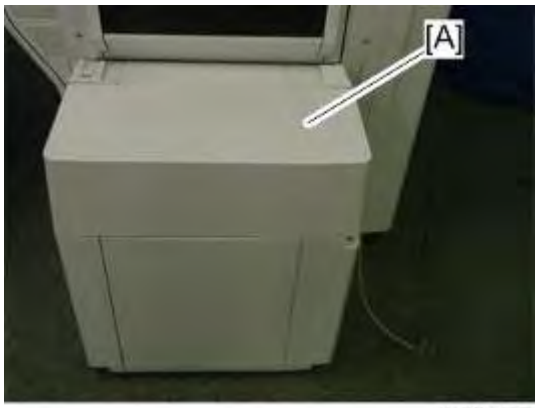
Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	Cover	1
2	B4/LG frame	1
3	Bottom plate extension	1
4	Rear bracket	1
5	Front bracket	1
6	Harness clamp	1
7	Tapping screws - M4x8	6
8	Tapping bind screws - M4x8	4



2.16.2 INSTALLATION PROCEDURE

1. Open the upper right cover [A].

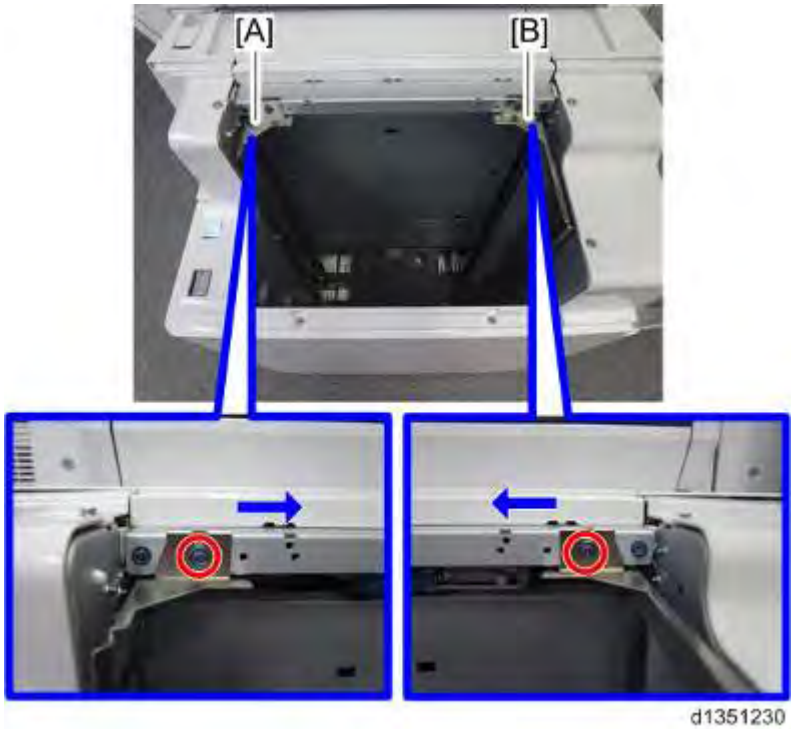


d1351127

2. Move down the paper tray, cover the photosensor with your left hand and press the bottom plate operation button [A].

d1351125

3. Move the front side fence [A] and rear side fence [B] to the B4 or LG position.



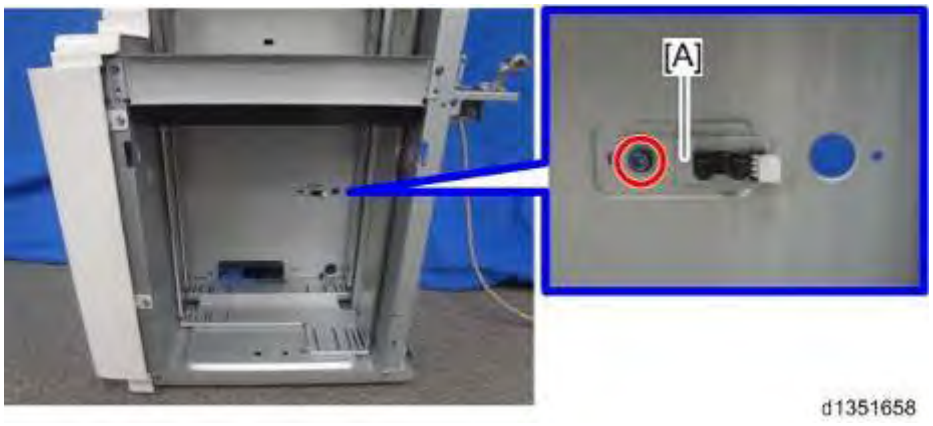
d1351230

4. Close the upper right cover [A] to move the paper tray up. (The paper tray stops in about 30 seconds.)
5. Switch the machine off and unplug the machine.
6. Disconnect the LCT power connector from the machine.
7. Remove the right cover of the LCT. (☛ page 2-167 "LCIT RT4020 (D709)")
8. Release the LCT from the main machine. (x 2)

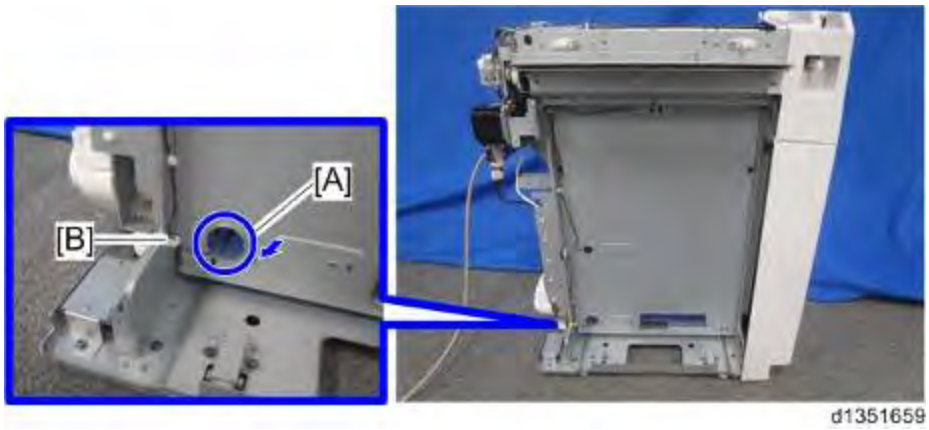
9. Slide the LCT [A] against the main machine, and then remove it from the rail [B].

10. Remove the following covers. (☛ page 2-167 "LCIT RT4020 (D709)")
    - Upper right cover
    - Upper left cover
    - Rear left cover
    - Rear cover
    - Left cover
11. Remove the lower limit sensor bracket [A]. (x 1, x 1)

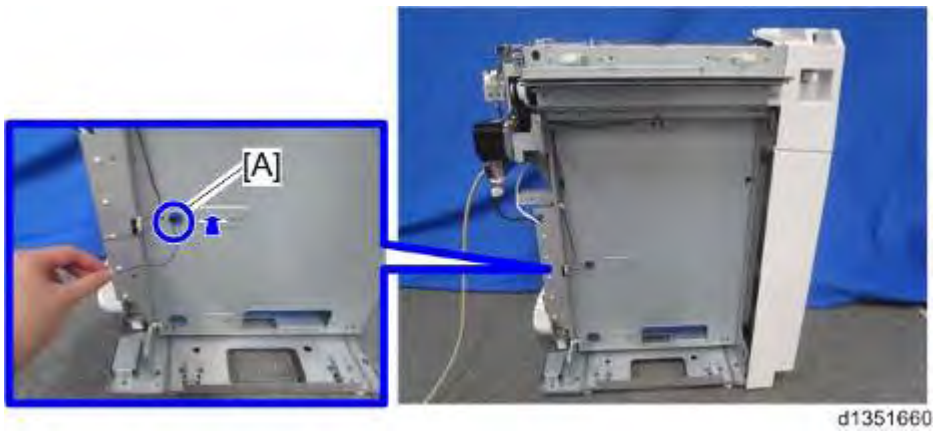
12. Install the lower limit sensor bracket [A]. (x 1)



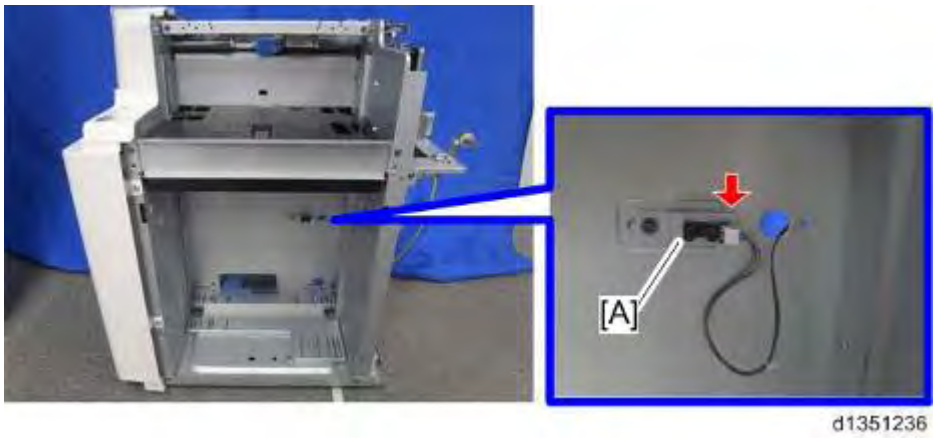
13. Pull the sensor connector wire removed in step 11 through the hole [A] from the left side of the LCT.
14. Release the sensor connector wire from the clamp [B].



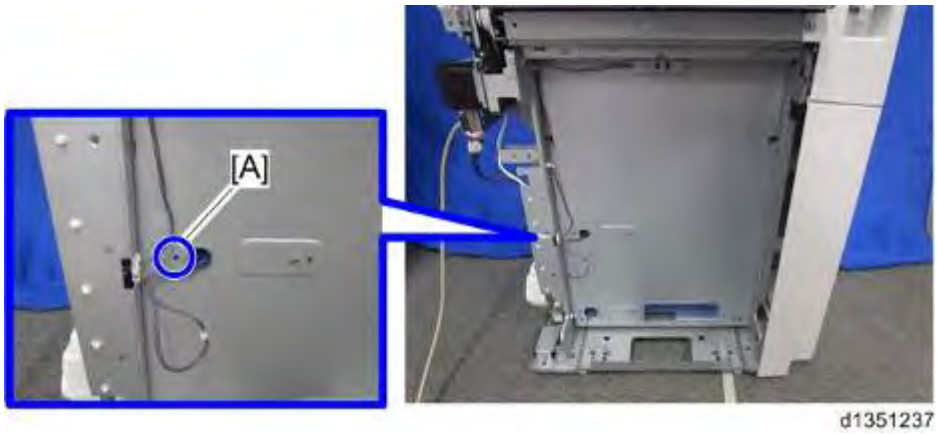
15. Put the sensor connector wire to the right side of the LCT through the hole [A].



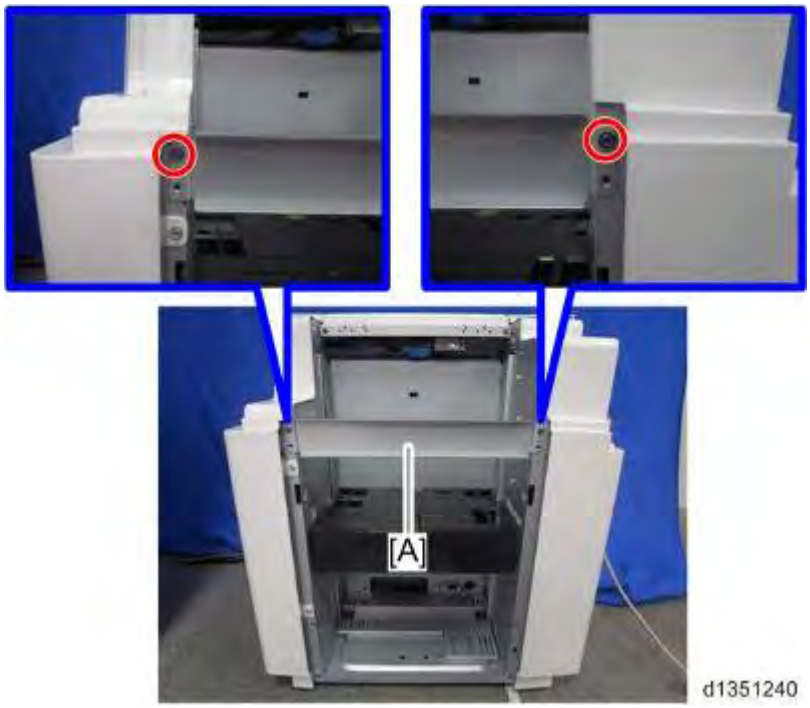
16. Connect the sensor connector wire to the upper limit sensor [A]. (x 1)



17. Attach the harness clamp to the rear of the plate [A]. Use this clamp to hold the sensor connector wire.



18. Reattach the following covers.
    - Left cover
    - Rear cover
    - Rear left cover
    - Upper left cover
19. Remove the right stay [A]. (x 2)



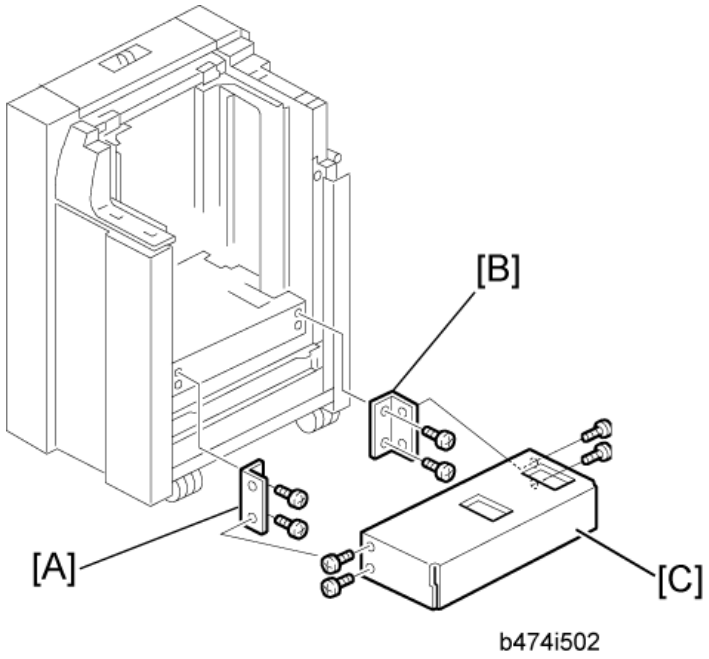
20. Attach the right stay [A] below. (x 2)

21. Attach the front bracket [A] with the beveled corner down. (x 2)

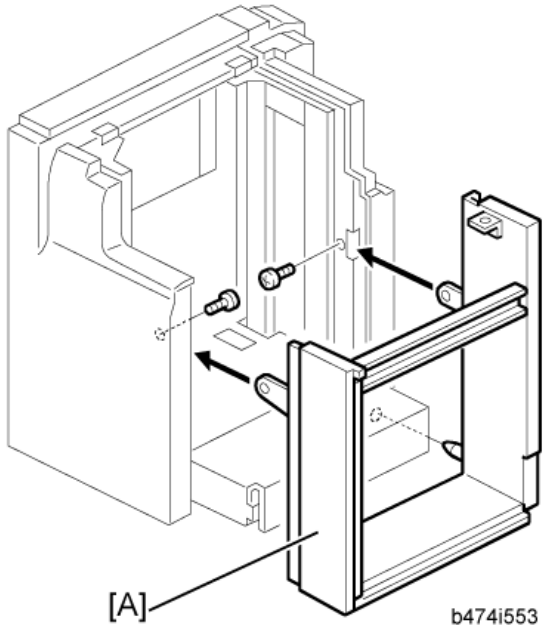
Note

- If the brackets are not easy to install, lift the bottom plate with your hand.

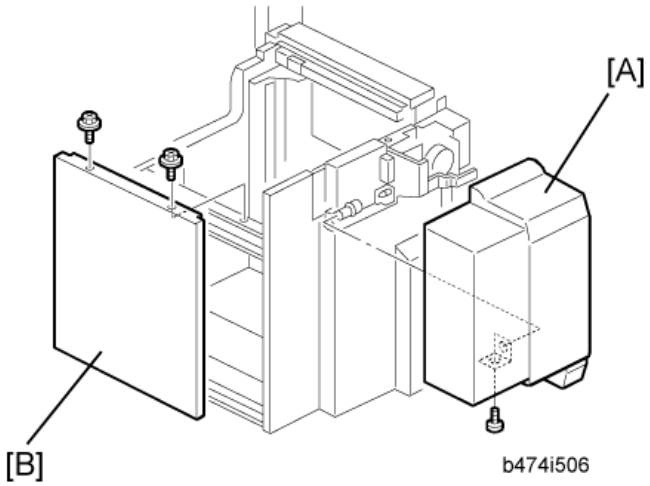
22. Attach the rear bracket [B] with the beveled corner down. (x 2)
23. Attach the bottom plate extension [C] with the hex screws. (x 4)



24. Attach the B4/LG frame [C] with the hex screws. (x 2)



25. Attach the right cover [B]. (x 2)
26. Attach the upper right cover [A] provided with the 8 1/2" x 14" Paper Size Tray Type M2. (x 1)



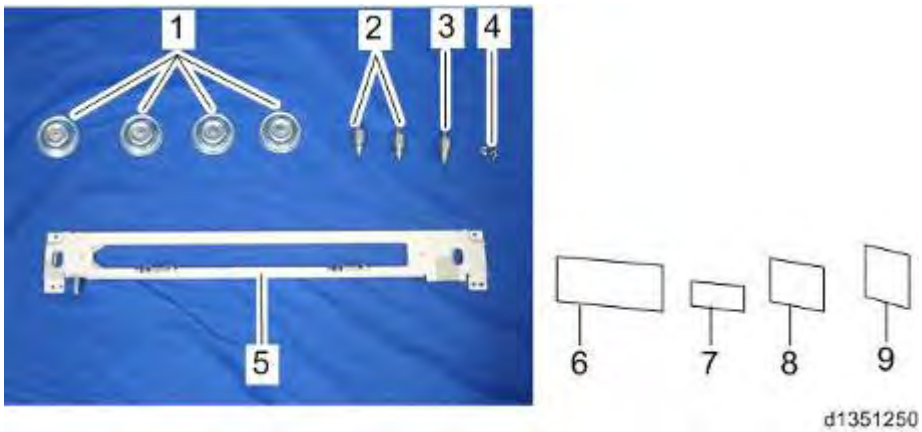
27. Install the LCT on the main machine. (☛ page 2-167 "LCIT RT4020 (D709)")
28. Plug in the machine and turn it on.
29. Go into the SP mode and do 5-959-003.
30. Input "5" for B4 SEF or "6" for 8.5" x 14" SEF.

2.17 LCIT RT4030 (D710)

2.17.1 ACCESSORY CHECK

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

No	Description	Q'ty
1	Shoes	4
2	Upper Joint Brackets	2
3	Lower Joint Bracket	1
4	Tapping screws – M4 x 8	4
5	Stay	1
6	Decal: caution chart: paper set direction	1
7	Decal: LED	1
8	Decal: transport: cover	
9	Decal: misfeed removal: manual feed: 250	



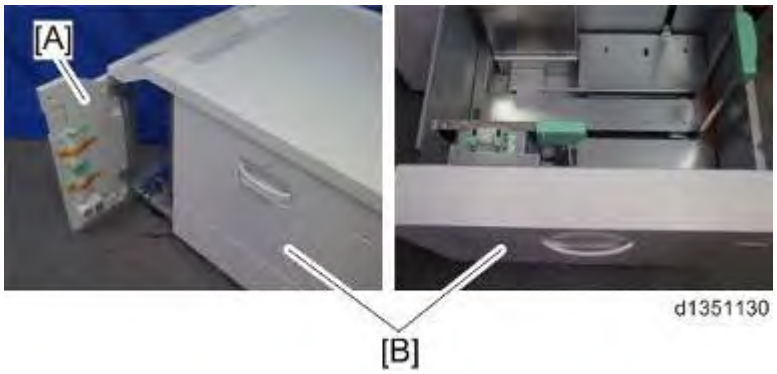
2.17.2 INSTALLATION PROCEDURE

⚠CAUTION

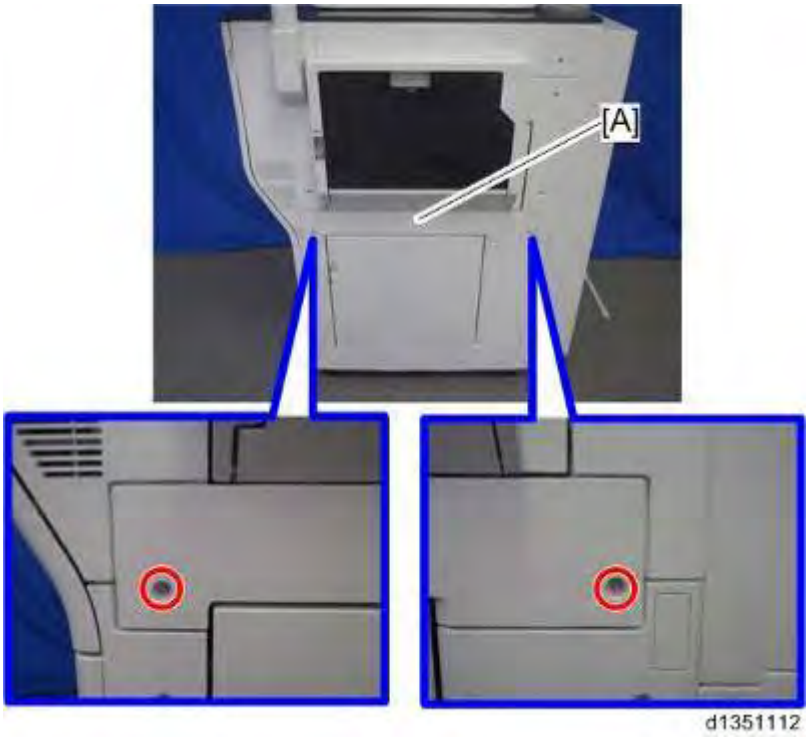
- Always switch the machine off and unplug the machine before doing the following procedure.

1. Remove all tape and retainers from the LCT.

2. Open the front door [A] and paper tray unit [B], and remove all tape and retainers from the LCT.



3. Remove the paper entrance cover [A] from the main machine. (x 2)



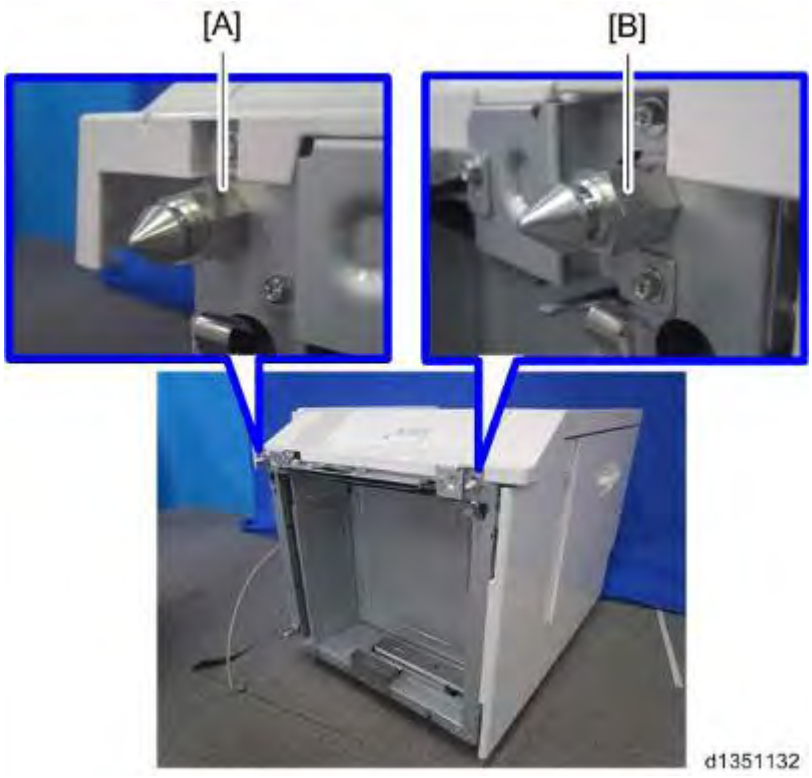
4. Install the stay [A] on the main machine. (M4 x 8; x 2)

Note

- Set the embossed side of the stay against the main machine.

5. Remove the connector cover [A] and LCT connecting cover [B].

6. Install the upper joint brackets [A] and [B].



7. Install the lower joint brackets [A].

8. Remove the ground plate [A]. (x 2)

9. Change the orientation of the ground plate, and then install it as shown below. (x 2)

10. Open the front cover [A].
11. Remove the screw [B] and release the lock plate [C]. (M4 x 8; x 1)

d1351137

12. Install the LCT [B] on the main machine [A].

d1351138

13. Reattach the left corner plate [A]. (M4 x 8; x 1)

d1351139

14. Set the leveling shoes [A]. (front left, front right, rear left, rear right side of the LCT)

d1351140

15. Connect the LCIT I/F cable [A] to the main machine.

d1351141

16. Open the by-pass tray unit [A].

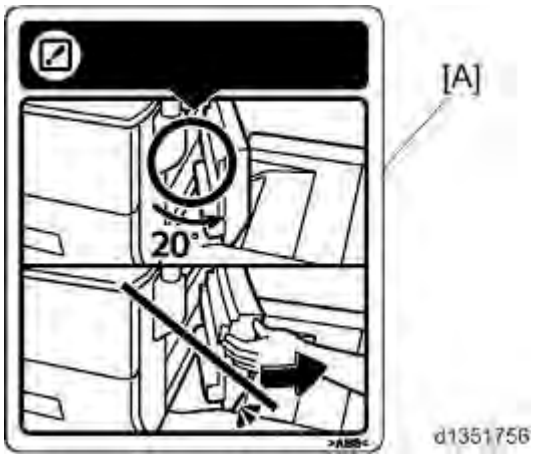
d1351751

Note

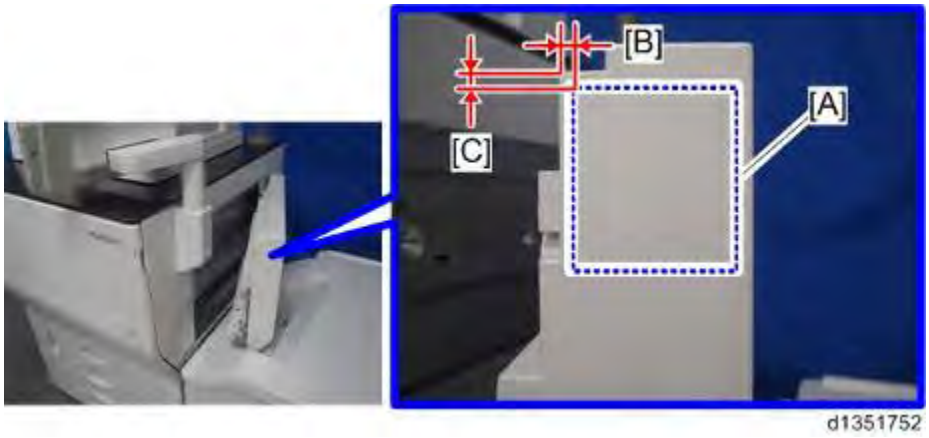
- Push down the lever [A] when opening the by-pass unit.

d1351755

17. Prepare the caution decal [A] provided with the LCT.

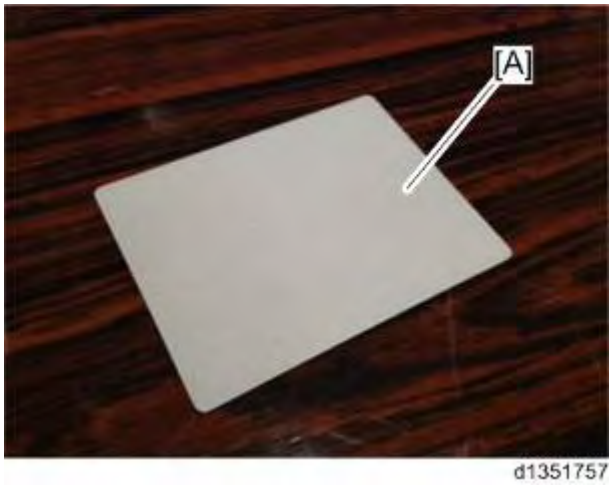


18. Attach the caution decal to [A] on the by-pass tray unit.



- [B]: 2mm
- [C]: 2mm

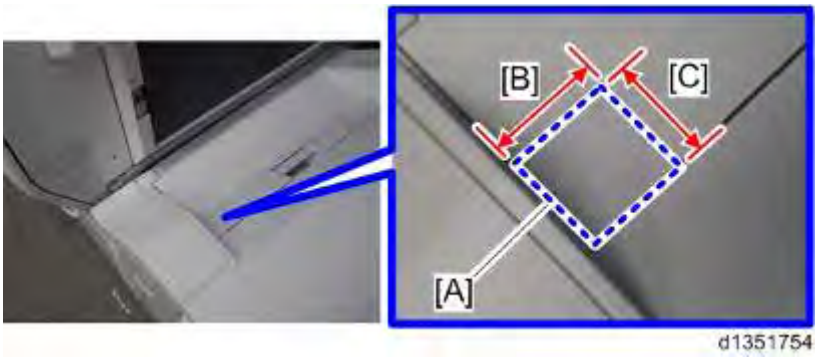
19. Prepare the sponge decal [A] provided with the LCT.



20. Attach the sponge decal to [A] on the exit cover.

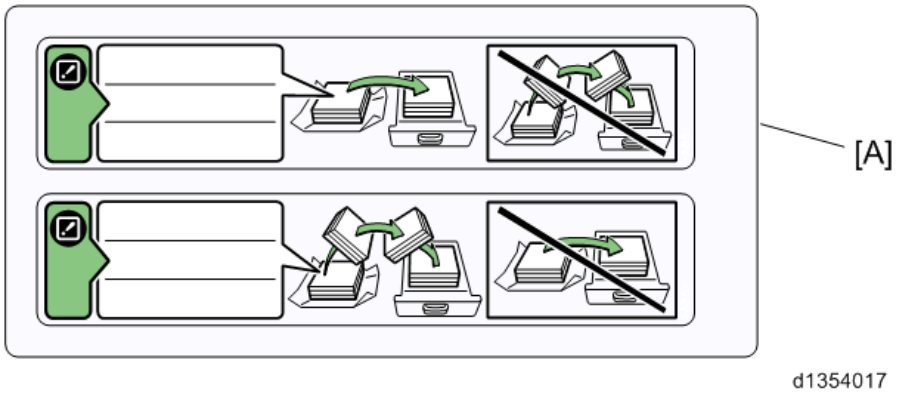
Note

- Attach the sponge decal [A] on the corner of the exit cover.

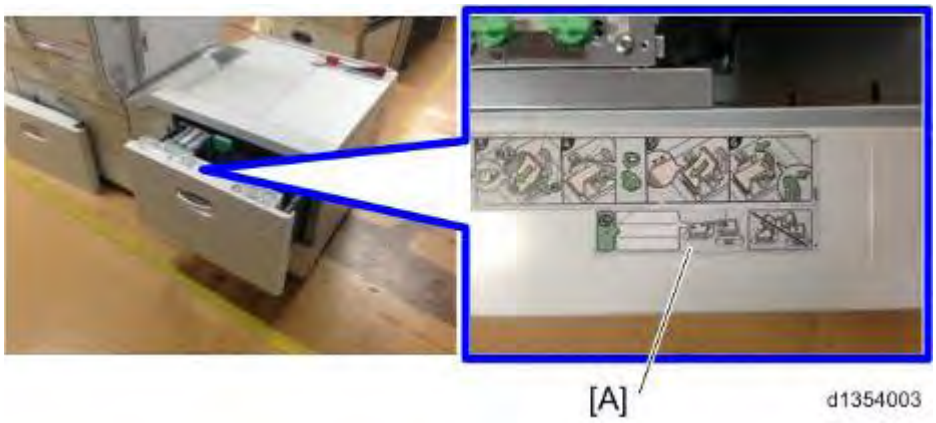


- [B]: 50 mm
- [C]: 65 mm

21. Prepare the Decal: caution chart: paper set direction [A].



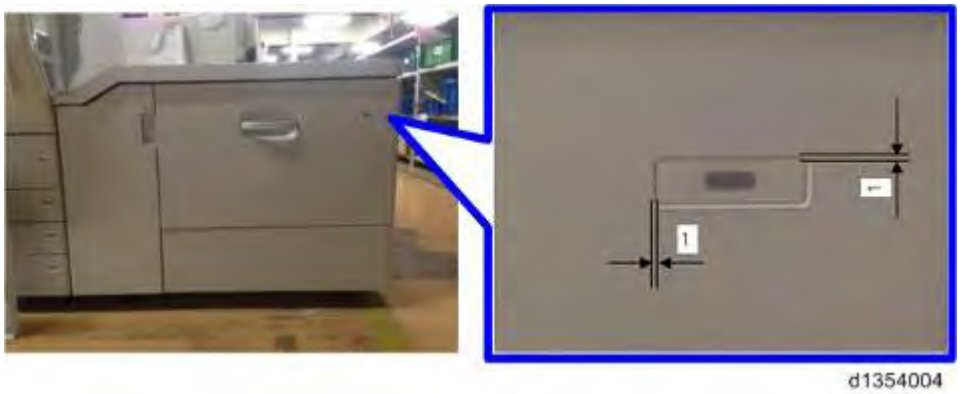
22. Draw out the paper tray and attach the decal [A] on the top of the front door.
    Select one of the decals according to the paper that will be used by the customer.



Note

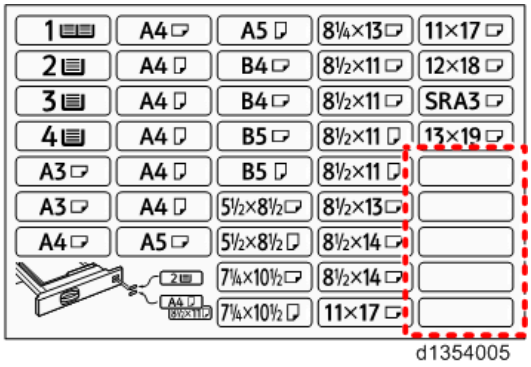
- Paper type, brand, etc. can be written on the blank space.

23. Attach a decal to the front door.



D137/D138: Attach the Decal: LED supplied with the LCIT.

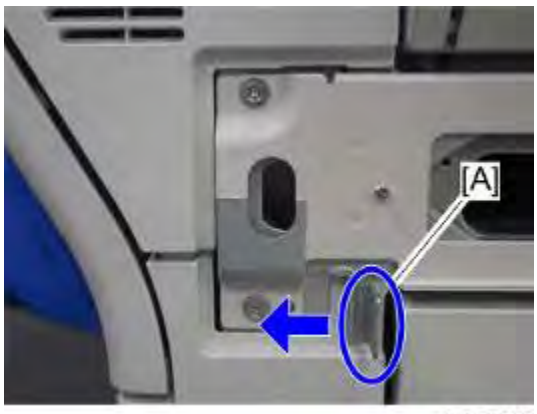
D135/D136: Attach a blank sheet on the paper size decal supplied with the main machine.



24. Plug in the machine and turn it ON.

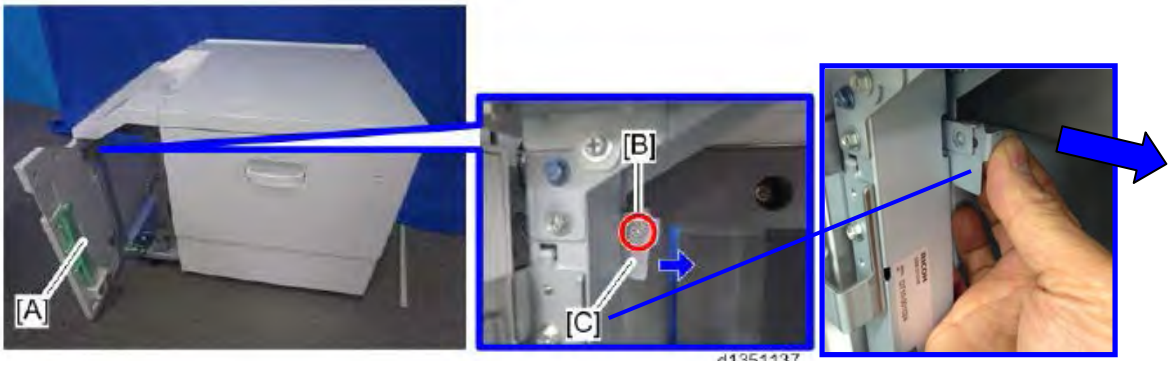
Note

- When you remove the LCT from the main machine, slide the lock lever [A] to the front side of the LCT, and then remove the LCT.



⇒*How to Disconnect the LCIT from the Main Machine*

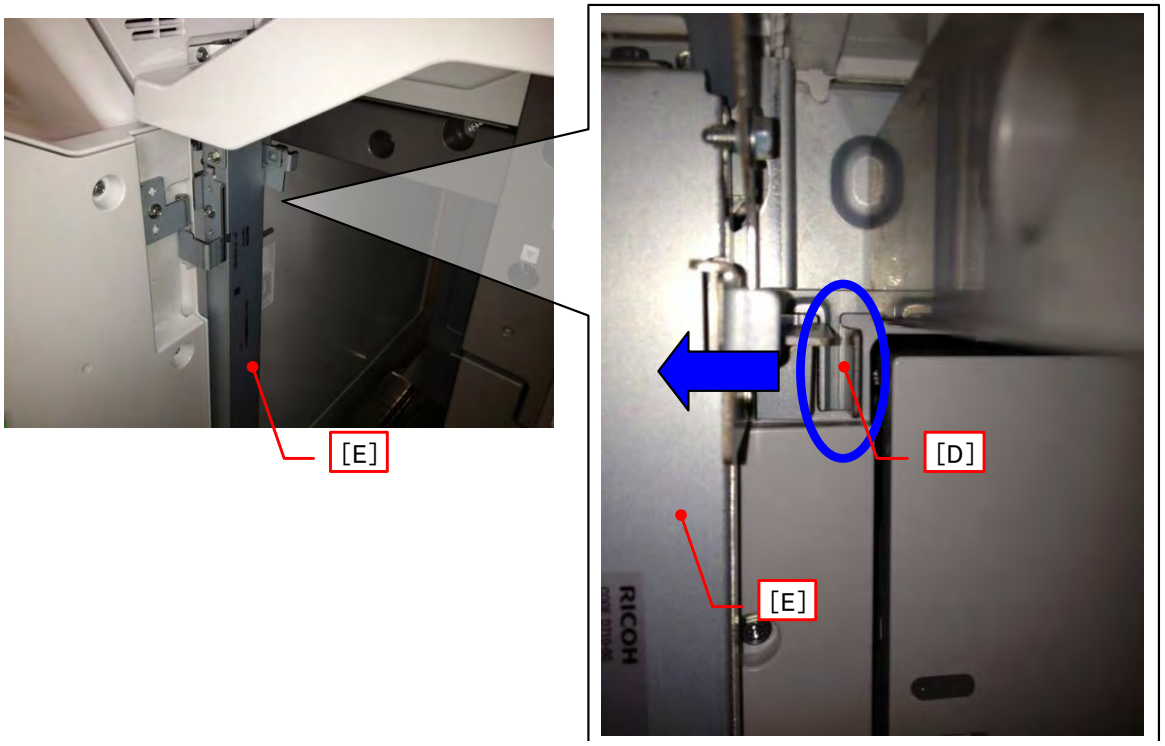
1. Open the Front Cover [A]. Remove the ☞ [B] and pull the Lock Bracket [C] in the direction indicated with the arrow.

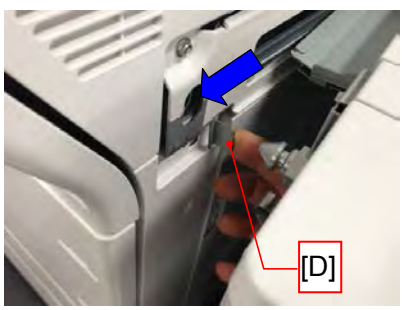


2. Disconnect the LCIT from the main machine while pressing the Lock Bracket [D] in the direction indicated with the arrow.

Note

- Lock Bracket [D] is located at the rear side of the LCIT frame [E].

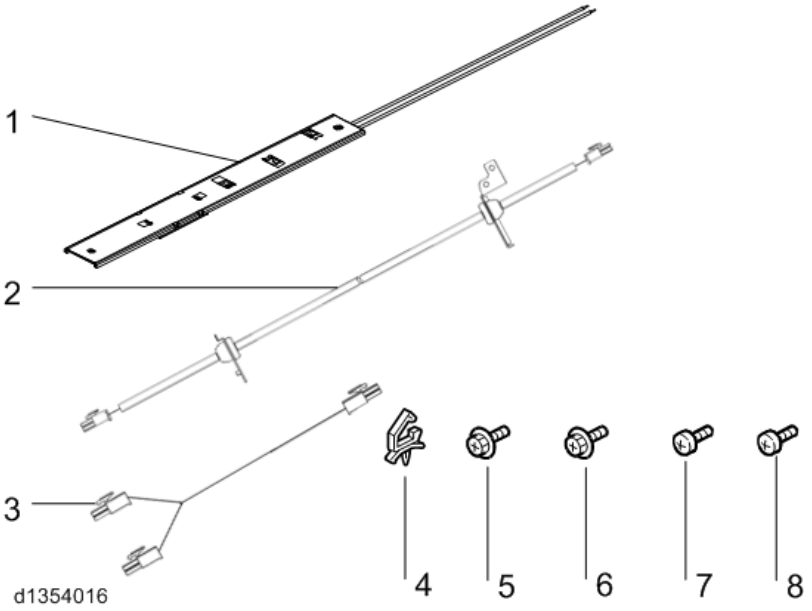




2.17.3 LCIT (D710) TRAY HEATER

Accessories

Check the accessories against the list below.



No	Description	Q'ty
1	Heater: 15W	1
2	Heater Harness	1
3	Intermediate Harness	1
4	Harness Clamp	1
5	Tapping Screw:4x8	3
6	Tapping Screw - M3x6	2
7	Screw: Polished Round/Spring:M4x8	1
8	Screw: Polished Round/Spring:M3x8	1

Installation

⚠CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

Note

- When installing the tray heater, make sure the LCT is installed in the main machine.

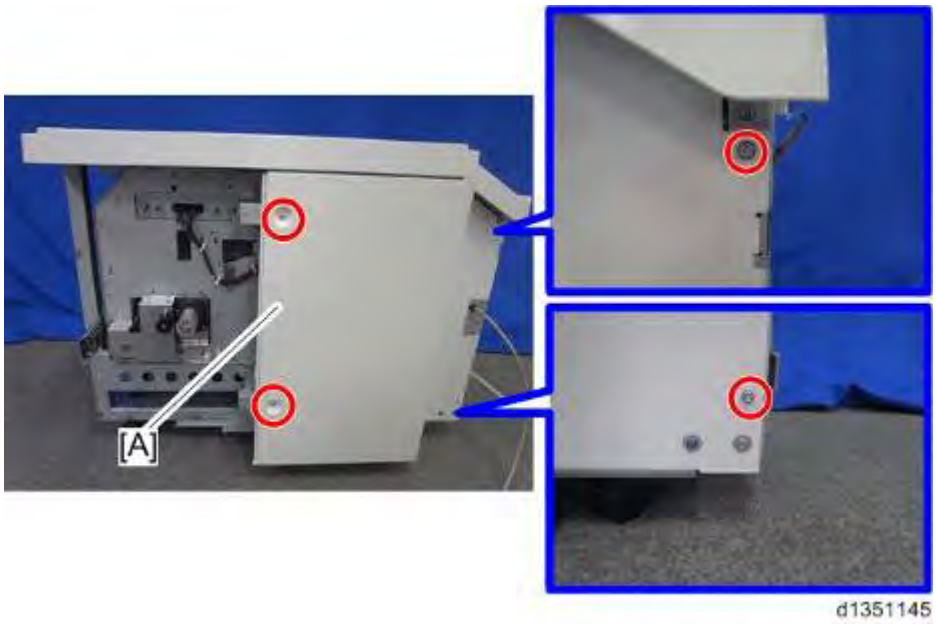
1. Right cover [A] (x4)

d1351143

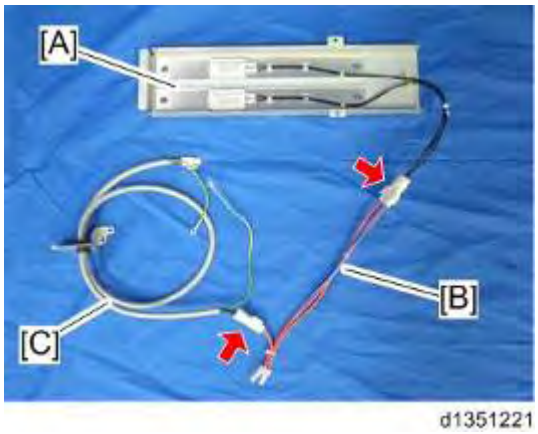
2. Right rear cover [A] (x4)

d1351144

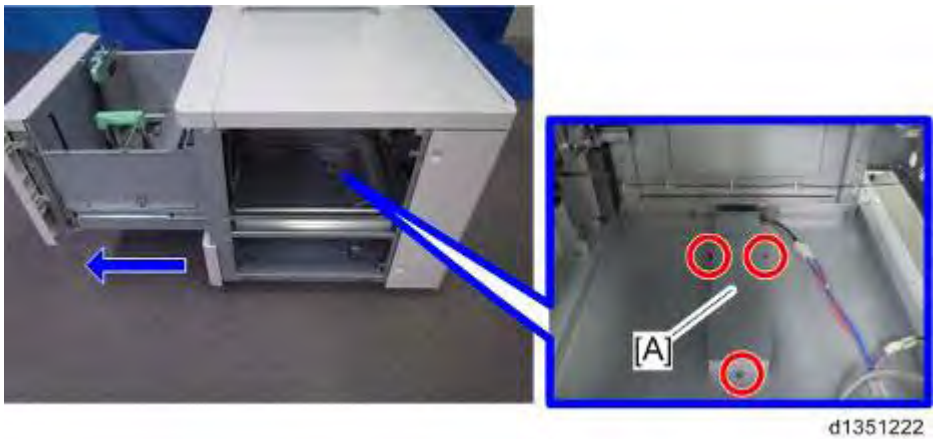
3. Left rear cover [A]



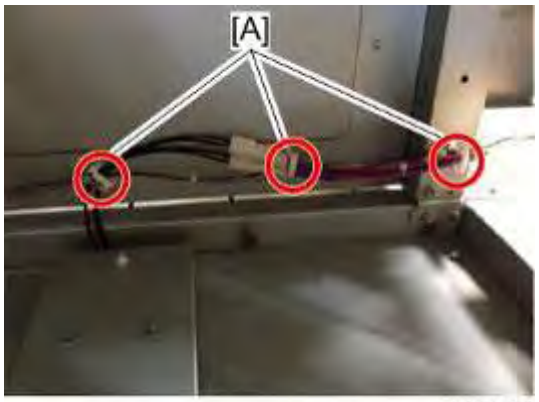
4. Connect the heater [A], intermediate harness [B], heater harness [C]. (x 3)



5. Pull out the paper tray, and then install the heater [A]. (x 3)

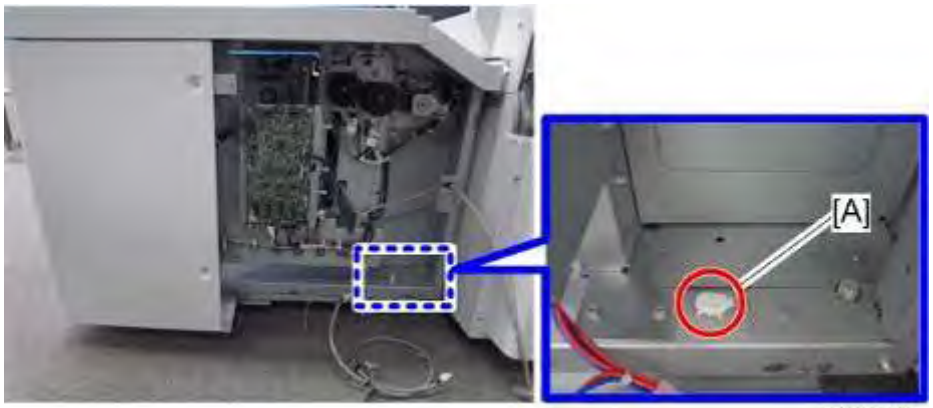


6. Route the harness with the clamp [A] as shown below, and then attach it to the rear side of the LCT. (x 3)



d1351223

7. Attach the clamp [A] to the rear side of the LCT.

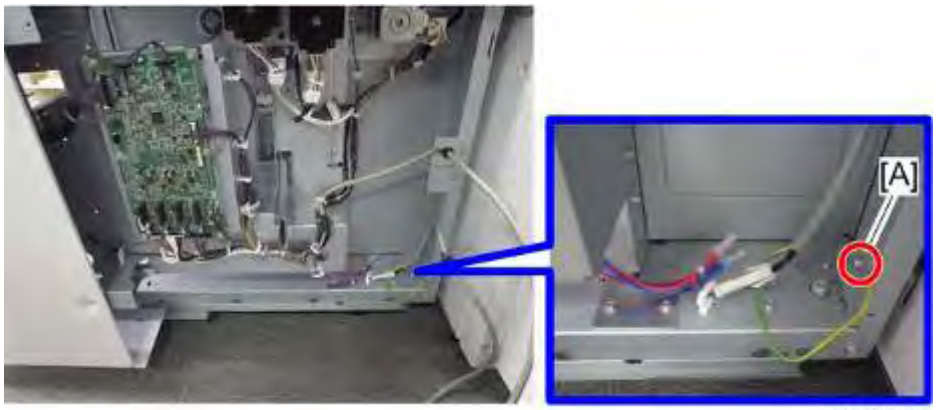


d1351224

8. Clamp the heater harness. (x 1)

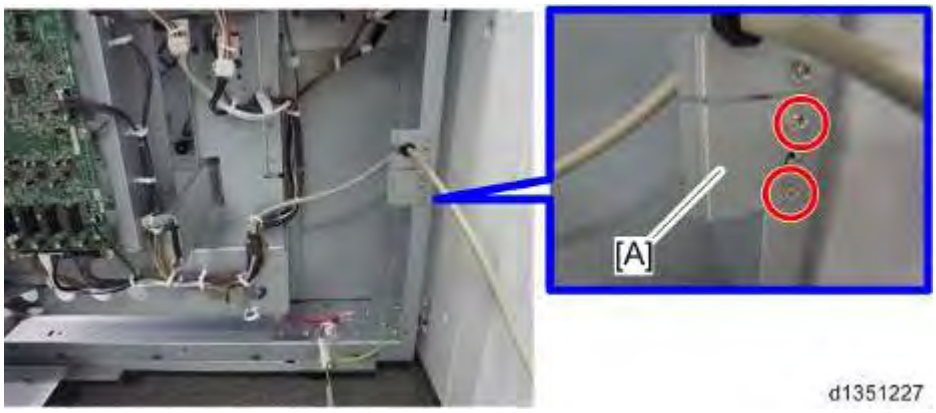
d1351226

9. Attach the ground wire [A] to the LCT. (M4 x 8; x 3)

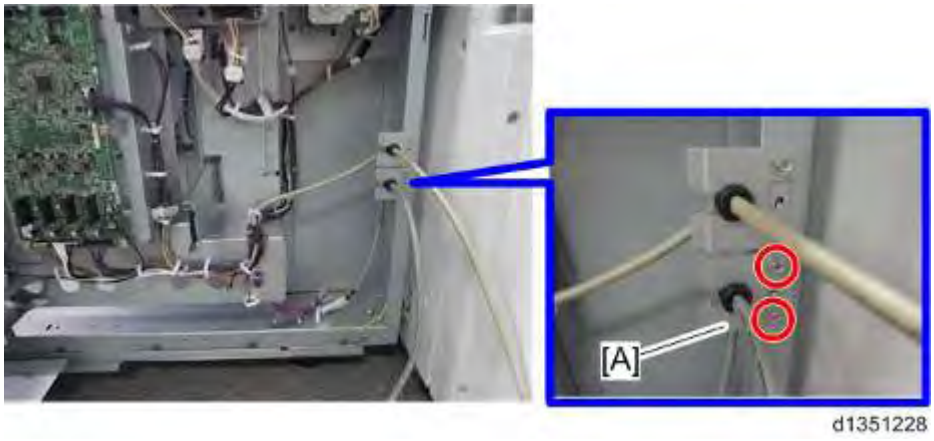


d1351225

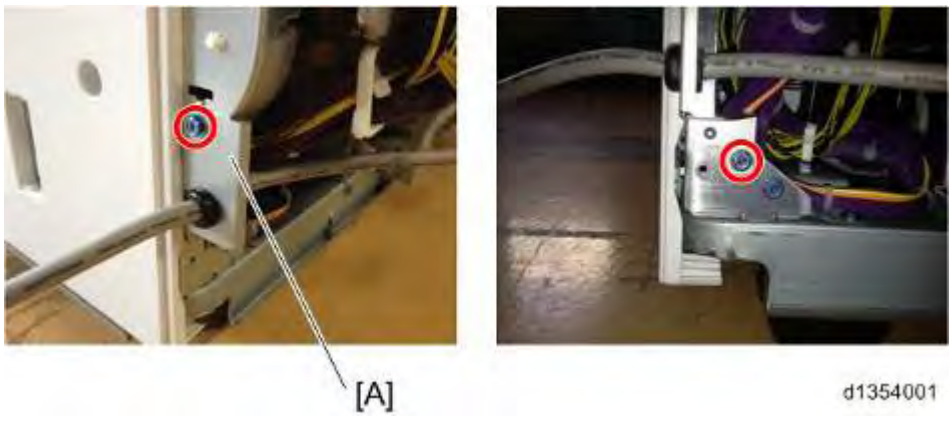
10. Remove the LCT bracket [A]. (x 2)



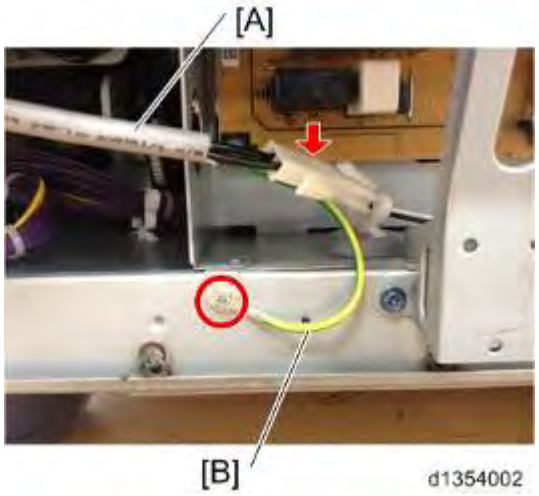
11. Attach the heater bracket [A]. (x 2)



12. Reattach the exterior covers.
13. Remove the rear lower cover of the main machine.
14. Fix the heater bracket [A]. (x 2)



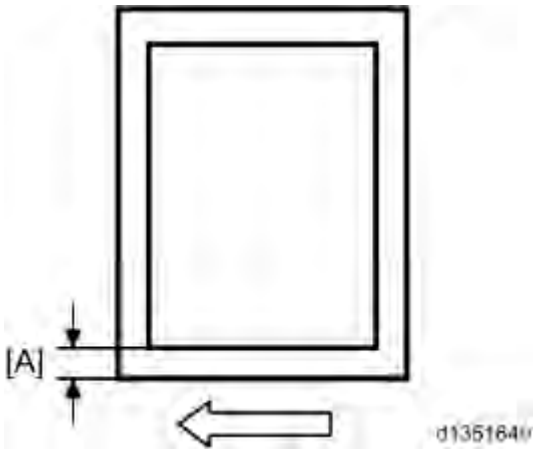
15. Attach the heater harness [A] and ground wire [B]. (x 1, x 1)
    To attach the ground wire, remove the screw and replace it with the polished round screw M3.



16. Attach the rear lower cover of the main machine.

2.17.4 IMAGE ADJUSTMENTS: SIDE-TO-SIDE REGISTRATION

1. Use the Trimming Area Pattern (SP2-109-003, No. 14) to print the test pattern.
2. Go to SP1-003-007 (Side-to-Side Reg: LCT).
3. Load paper (A4 LEF) in the LCT tray, and then copy a couple of sheets.
4. Enter the value in SP1-003-007 to adjust the blank margin [A] to 2 mm.
   The default value is 0mm. Press [+] to broaden the margin, and press [-] to narrow it. You can adjust the value in 0.1mm intervals.



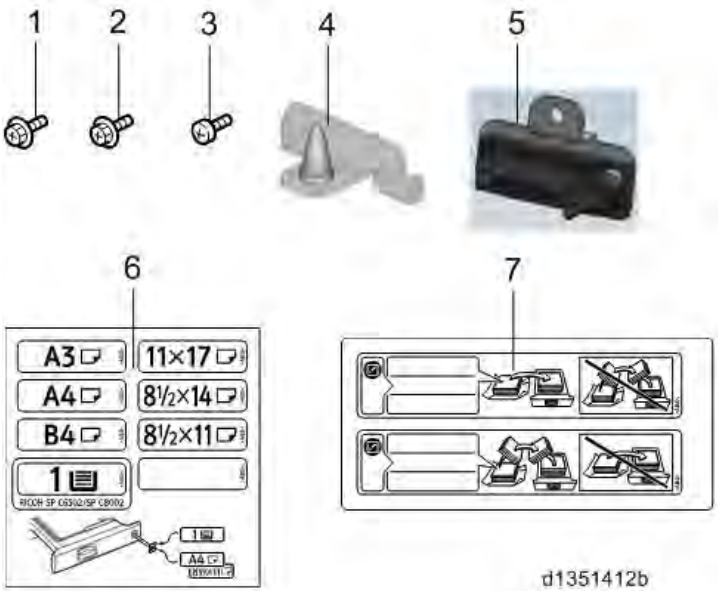
5. Exit the SP mode.

⇒ 2.18 A3/11"X17" TRAY UNIT TYPE M2 (D749)

2.18.1 COMPONENT LIST

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

No.	Description	Q'ty
1.	Screw – M3 x 4	4
2.	Tapping screws –M3 x 6	3
3.	Screw – M3 x 6	1
4.	Pin Bracket	1
5.	Harness	1
6.	Paper Size Decal	1
7.	Paper Set Direction Decal	1

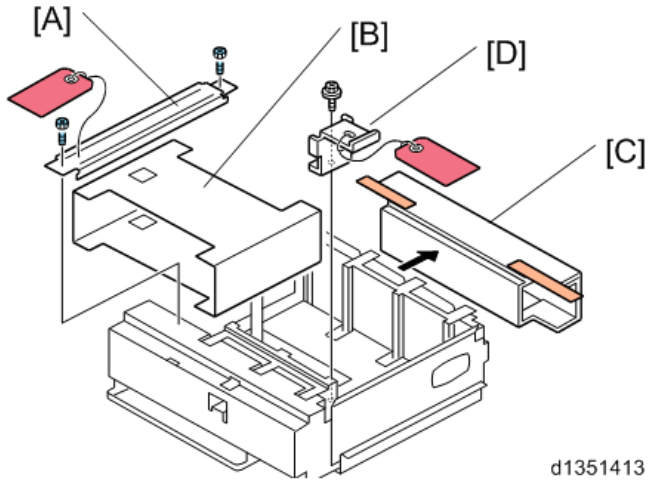


2.18.2 INSTALLATION

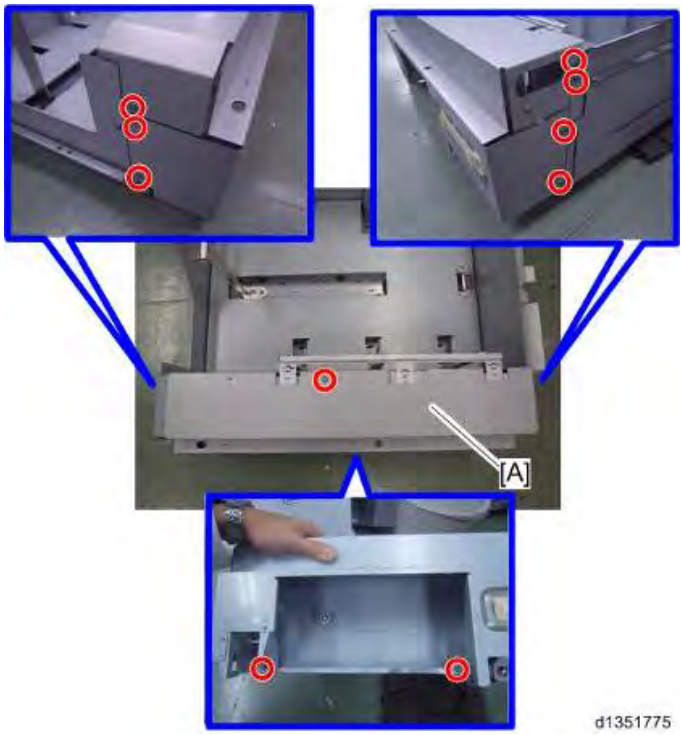
⚠CAUTION

- 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.

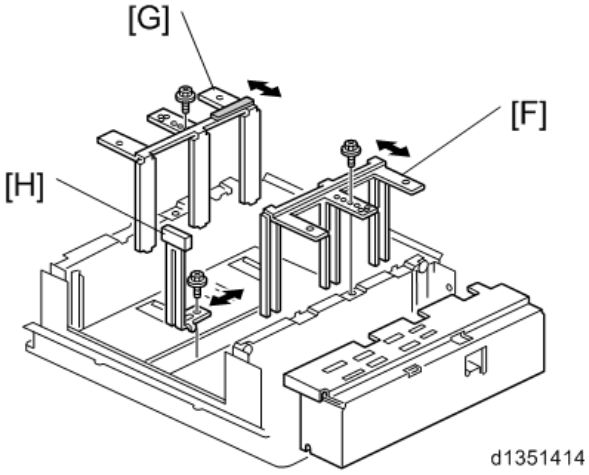
1. Remove the stay [A] (x2).
2. Remove the retainers [B] [C] and the shipping material [D] (x1).



3. Check the position of the front and back side fences and make sure that they are set for DLT or A3.
4. If you need to adjust the positions of the side fences for the paper to be loaded in the tray, remove the front panel [A] (x10).



5. Remove the fences and adjust their positions for the paper to be loaded:
   [F] Side fence (x1)
   [G] Back fence (x1)
   [H] End fence (x1)

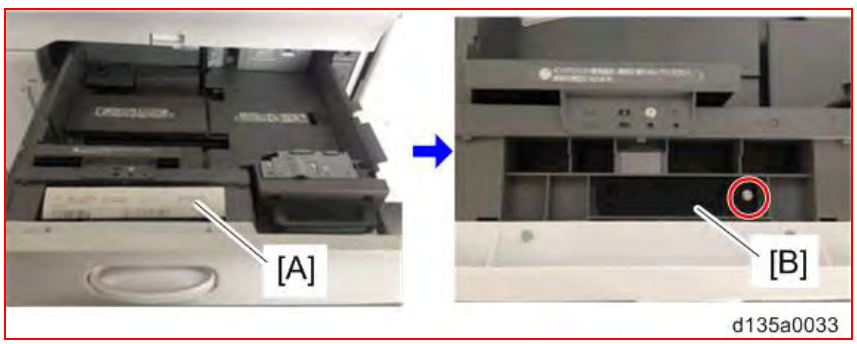


6. Reattach the front panel. (x10)
7. Open the front doors.
8. Pull out the tandem feed tray [A] and remove the paper cassette decal [B].

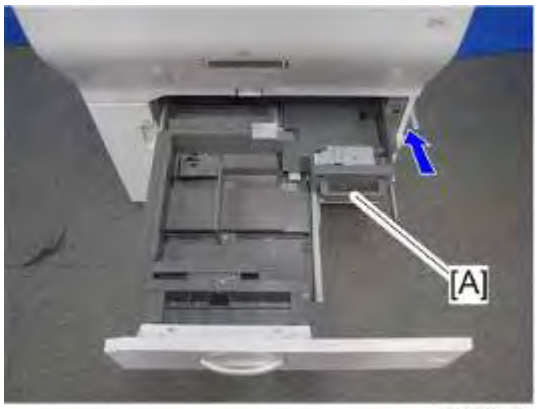
9. Remove the factory SP sheet [A] and SD card holder [B].

Important

- These parts will be installed in the A3/11"x17" Tray Unit later.

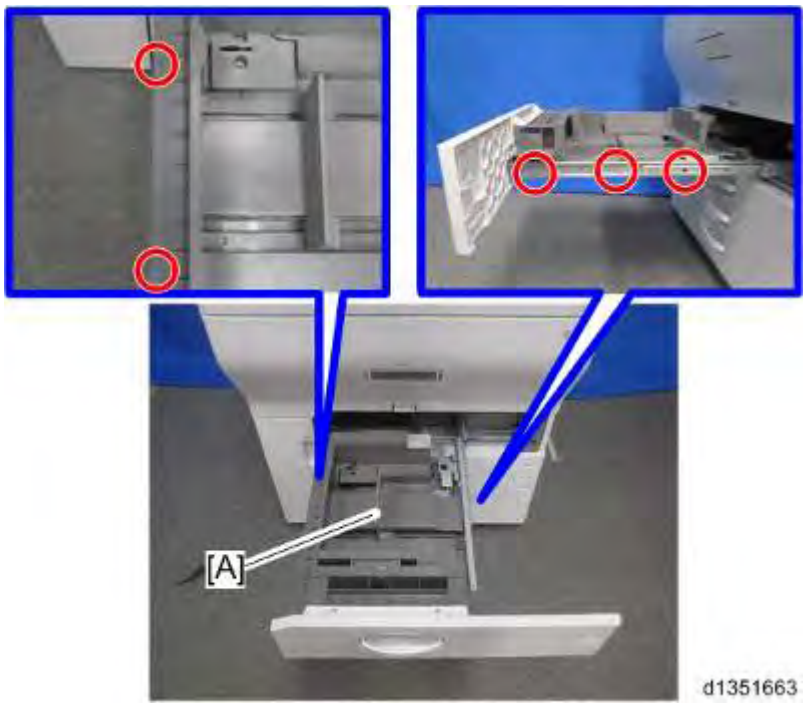


10. Push the right tandem tray [A] into the machine.



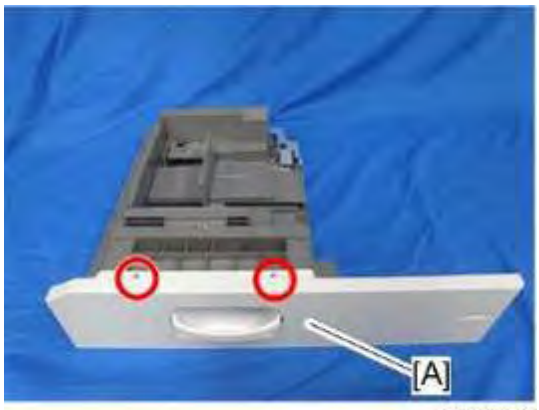
d1351662

11. Remove the left tandem tray [A] (M3 x 8; x 2 left, M3 x 10; x 3 right).



d1351663

12. From the left tandem tray, remove the front cover [A] (x 2).



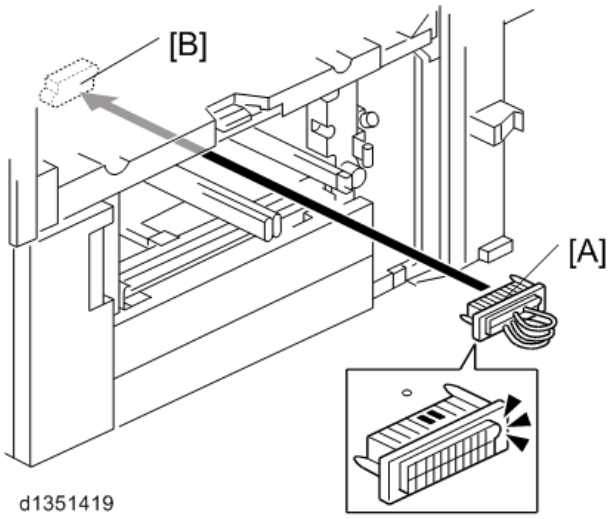
d1351664

13. Pull out the right tandem tray [A] then remove it (x2).

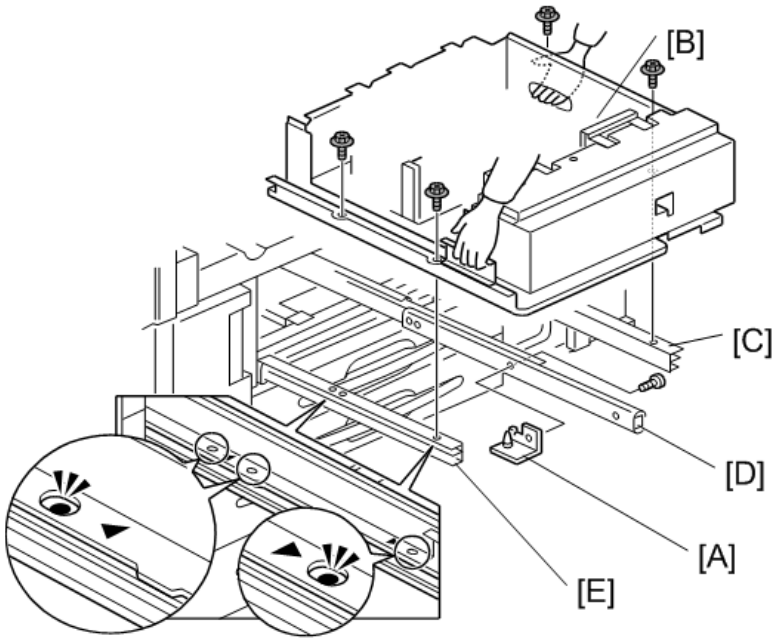
14. Insert the short connector [A] into the socket inside the machine [B]. (x1)

Note

- Hold the connector as shown in the illustration.



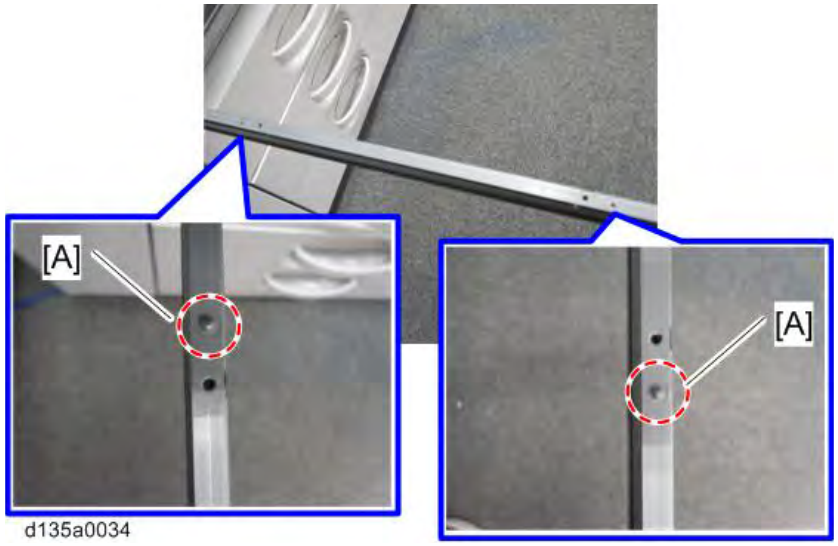
15. Using the screw provided in the accessories, attach the pin bracket [A] to the center rail. (x2)
16. Using the screws provided in the accessories for the right rail and left rail, install the tray [B] on the right rail [C], center rail [D], and left rail [E]. (x4)



d135a3120

Important

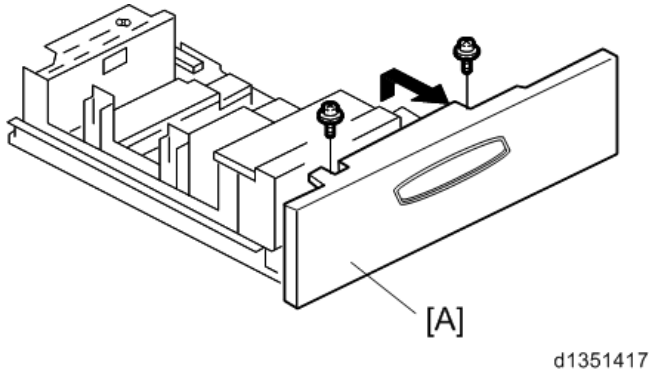
- Make sure that the pin on the pin bracket passes through the hole in the tray bottom plate.
- Make sure that bosses [A] (two each on the left/right rails) pass through the holes in the tray. If you close the tray without doing this, it will be impossible to open the tray.



d135a0034

17. Return the factory SP sheet and SD card holder that you removed in Step 9.

18. Re-install the front cover [A] (x 2).



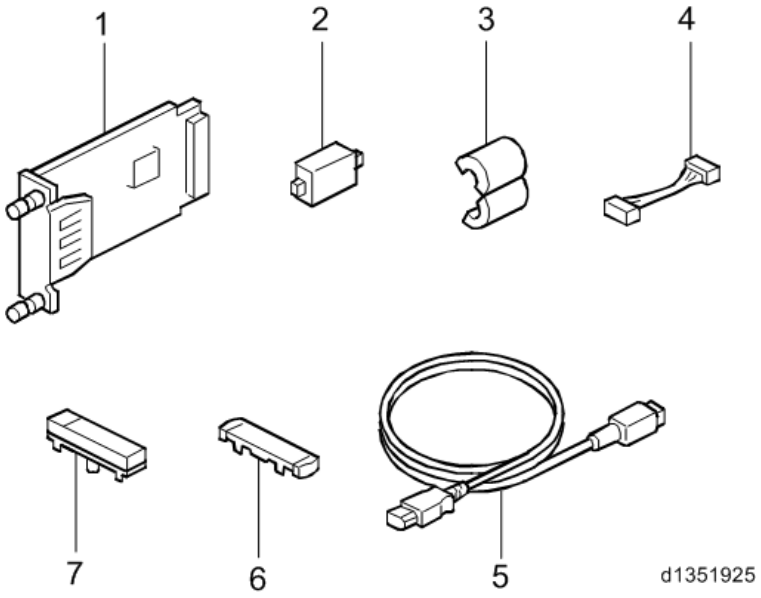
19. Turn ON the machine.
20. Use **SP5959-2** to select the paper size for Tray 1 (A3 or DLT).
21. After selecting the paper size, switch the machine off and on and check that the selected paper size is displayed on the operation panel.

2.19 COPY CONNECTOR TYPE 3260 (B328)

2.19.1 ACCESSORY CHECK

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

No.	Description	Q'ty
1.	Copy Connector Board B328	2
2.	Repeater Hub 1394	2
3.	Ferrite Core	2
4.	Power Repeater Cable	2
5.	Coupling Interface Cable 1394	3
6.	Keytop for V-C1 (Not used)	4
7.	Keytop (Not Used)	4



2.19.2 PREPARATION

Before you begin the installation procedure:

- Measure the distance between the machines to be connected.
  Determine the number of cables and repeater hubs that are necessary based on the distance measured between the machines.

Distance	Power Repeater Hubs Required	Interface Cables Required
Less than 9.0 m (Less than 29.5 ft)	1	2
9.0 to 13.5 m (29.5 to 112.5 ft.)	2	3

2.19.3 INSTALLATION

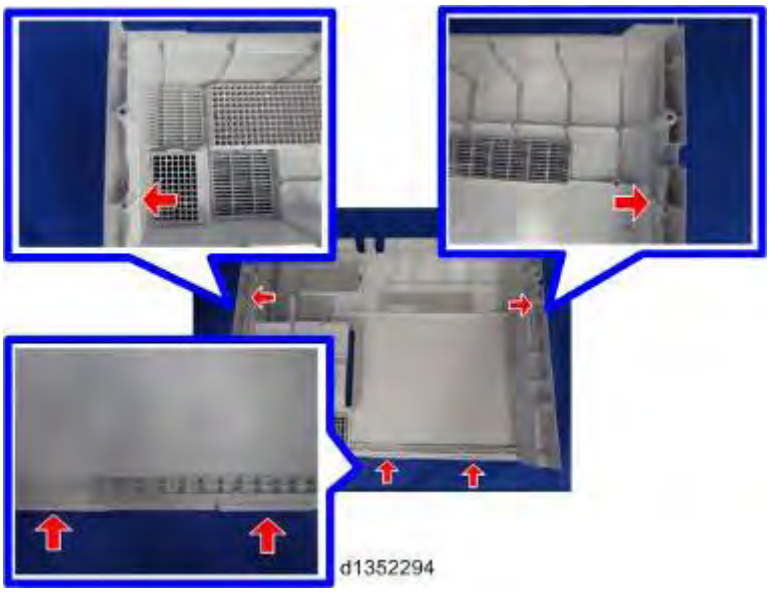
⚠CAUTION

- Always switch the machine off and unplug the machine before doing the following procedure.

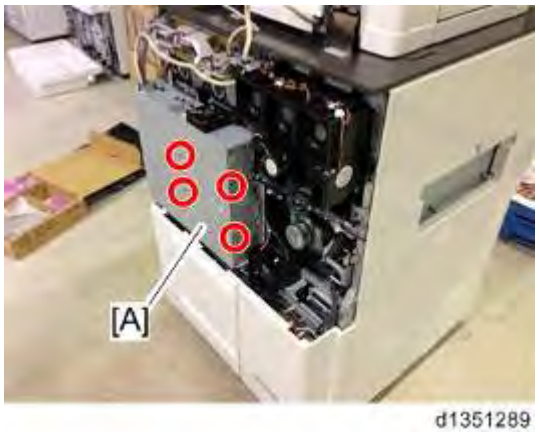
1. Remove the rear middle cover. (x4)

Note

- Check the positions of the bosses and hooks before removing the lower cover.

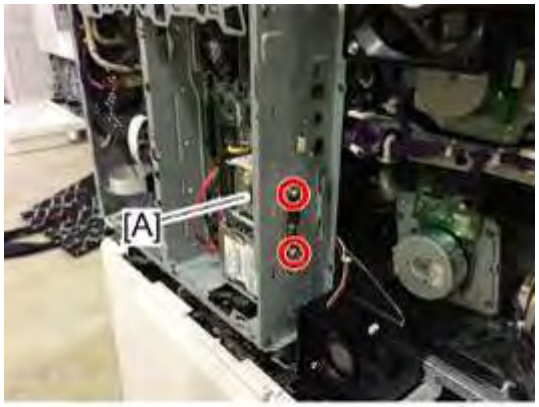


2. Remove the controller box cover. (x 4)



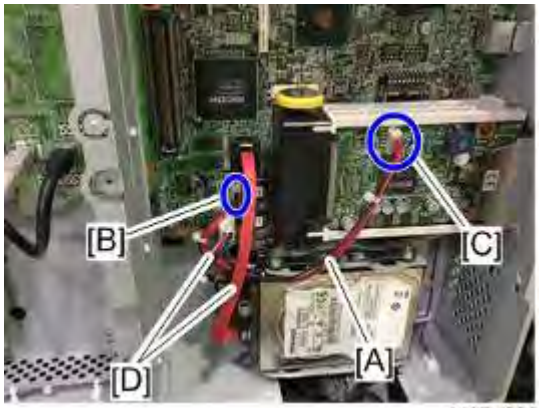
3. Remove the cover [A] of Slot A. (x 2)

4. Install the Copier Connection Kit Board B328 [A] in Slot A and fasten it. (x 2)



d1351282

5. Connect the power repeater cable [A] to CN525 [B] on the controller board.
6. Connect the other end of the power repeater cable [A] to CN4 [C] on the copy connector board.

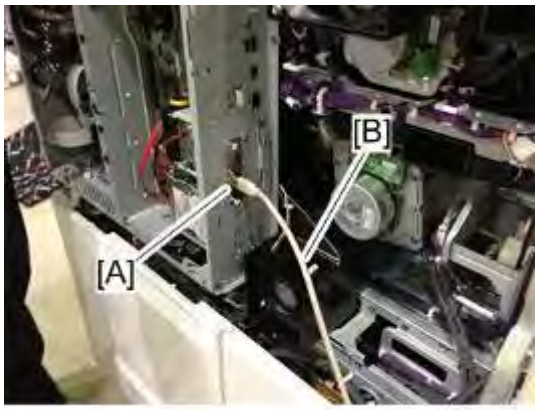


d1351283

Note

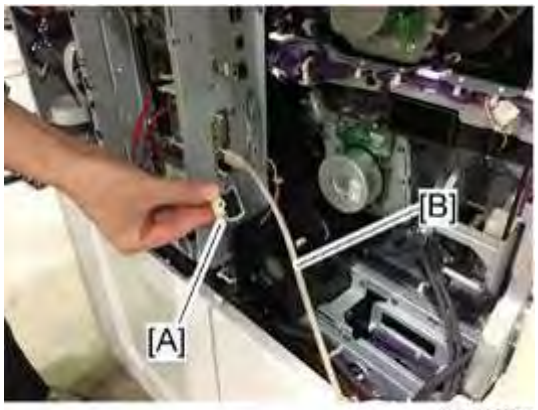
- Pass the power repeater cable [A] under the harness [D] on the controller board when you connect it to the copy connector board.

7. Connect the end of the interface cable [B] to the copy connector board [A].



d1351284

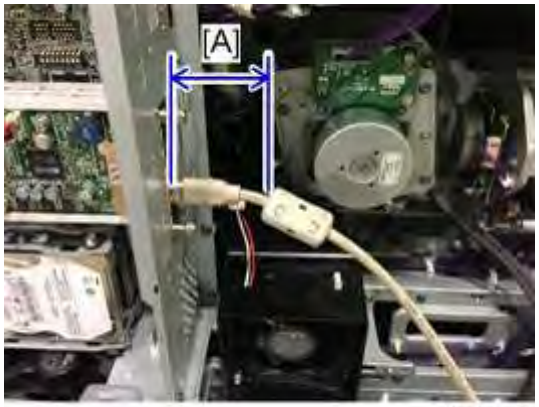
8. Attach the ferrite core [A] to the end of the interface cable [B].



d1351285

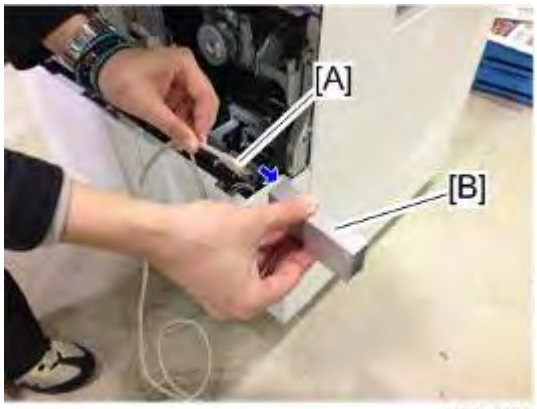
Note

- Attach the ferrite core 30 mm [A] from the end of the interface cable.



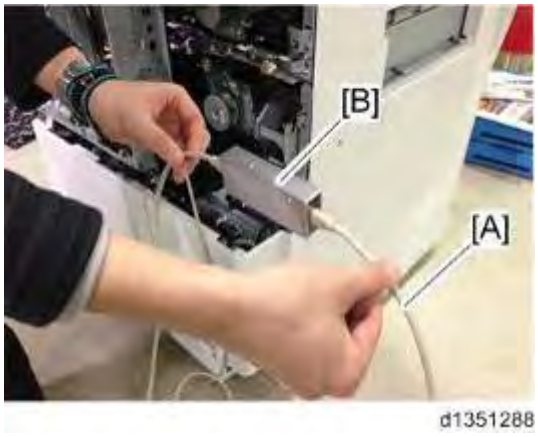
d1351286

9. Connect the other end of the interface cable [A] and repeater hub [B].



d1351287

10. Repeat Steps 1 to 9 to install the connector kit on the second machine.
11. Connect the interface cable [A] from the second machine to the repeater hub [B].



Note

- Measure the distance between the machines to be connected. Determine the number of cables and repeater hubs that are necessary based on the distance measured between the machines. (page 2-221 "Preparation")

12. Reattach the covers.

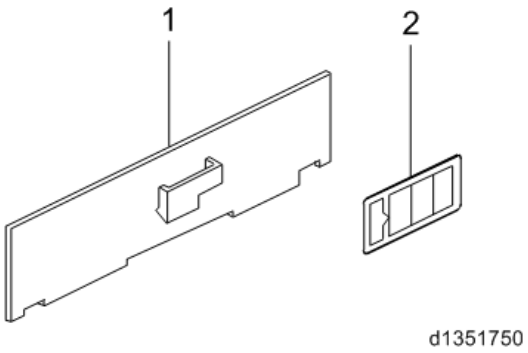
2.20 TAB SHEET HOLDER TYPE M2 (D750)

The tab sheet holder can installed in trays 2 and 3, and allows the user to load tab stock.

2.20.1 ACCESSORIES

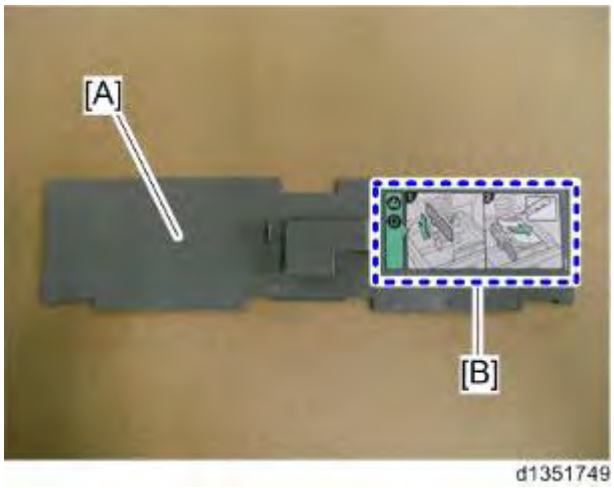
Check the quantity and condition of the accessories in the box against the following list.

No.	Description	Q'ty
1	Tab Sheet Holder	1
2	Decal	1

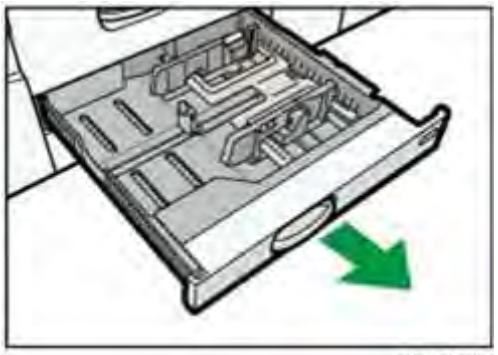


2.20.2 INSTALLATION

1. Attach the decal [B] to the tab sheet holder [A].

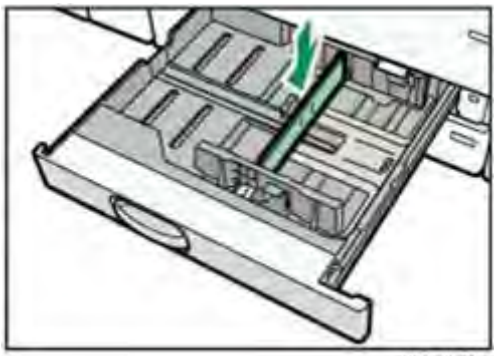


2. Check that the paper tray is not being used, and then pull the tray carefully out until it stops.



d1351733

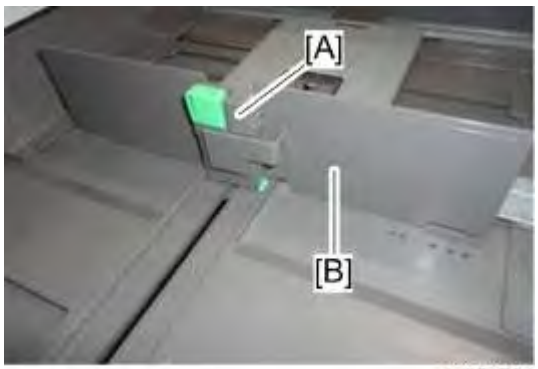
3. Install the tab sheet holder on the end fence of the paper tray.



d1351734

Note

- When the tab sheet holder is installed correctly, you can hear a clicking noise.



d1351731

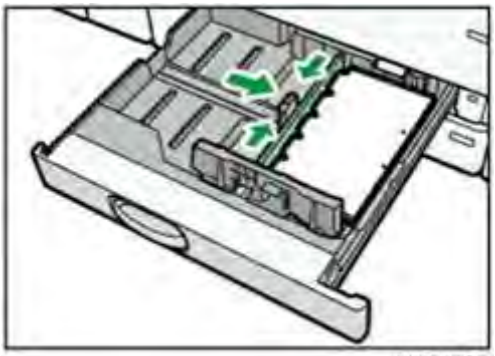
- [A]: End fence
- [B]: Tab sheet holder

4. Load tab stock in the paper tray.

Note

- Load tab stock so that the side with the tab faces the tab sheet holder.

5. Adjust the end fence position so that the tab sheet holder will fit the tab stock.



6. Carefully slide the paper tray fully in.

Note

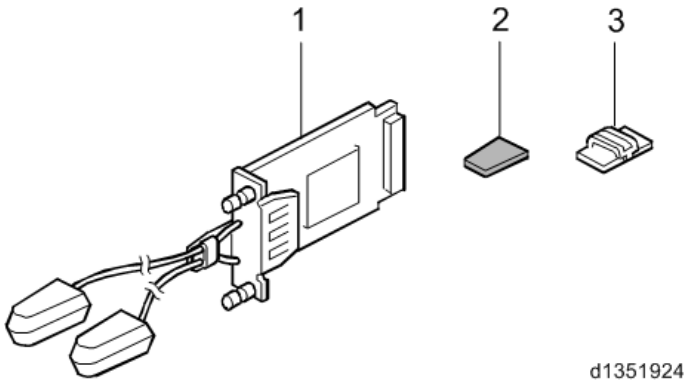
- When removing the tab stock holder, spread the hook [A] of the tab sheet holder and then remove it as shown below.

2.21 IEEE802.11A/G/N UNIT TYPE M2 (D164)

2.21.1 COMPONENT LIST

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

No	Description	Q'ty
1	IEEE802.11a/g/n Unit	1
2	Velcro Fasteners	2
3	Clamps	8



Important

- Don’t disassemble the IEEE802.11a/g/n Unit. When you need to replace the IEEE802.11a/g/n board, replace the entire IEEE802.11a/g/n Unit.
- Provide the caution chart to the customer.
- It is prohibited by law to disassemble and modify this product. If illegal modifications are added to this product for its use, we shall not assume any responsibility.
- Depending on the environment 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.

2.21.2 INSTALLATION PROCEDURE

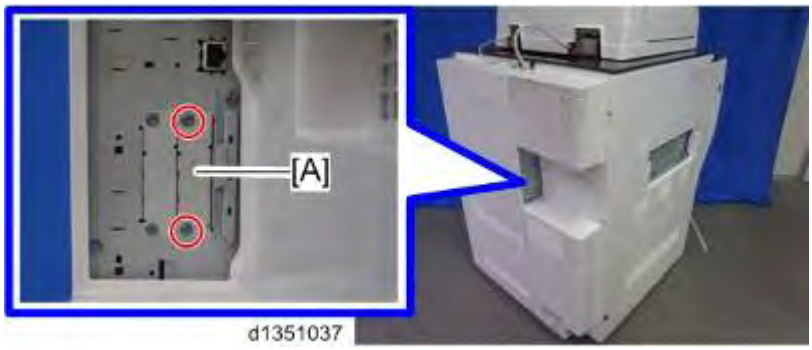
⚠WARNING

- 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.
- The usable frequency range of this product may be used by products (industrial, scientific, or medical devices) of other companies. Also, outdoor use of wireless devices may be restricted. Pay attention to where you use this product.

1. Remove the slot cover [A] from the board slot B. (x 2)



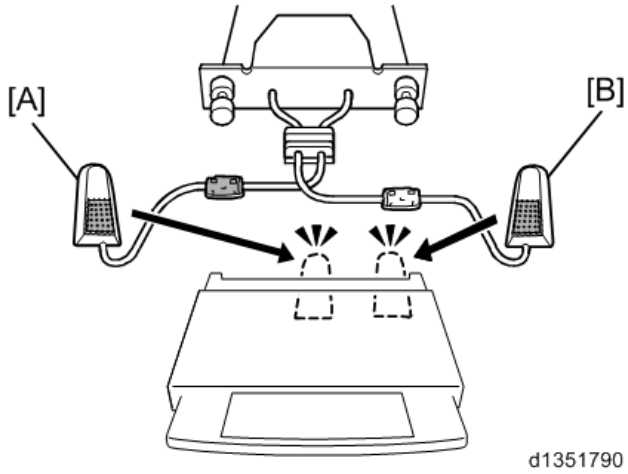
2. Insert the wireless LAN board into the I/F slot and fasten it with the screws. (x 2)

Note

- Confirm that the interface board is firmly connected to the controller board.

3. Look at the markings on the antenna bracket.
4. Look at the ferrite core of the antenna cable.

5.

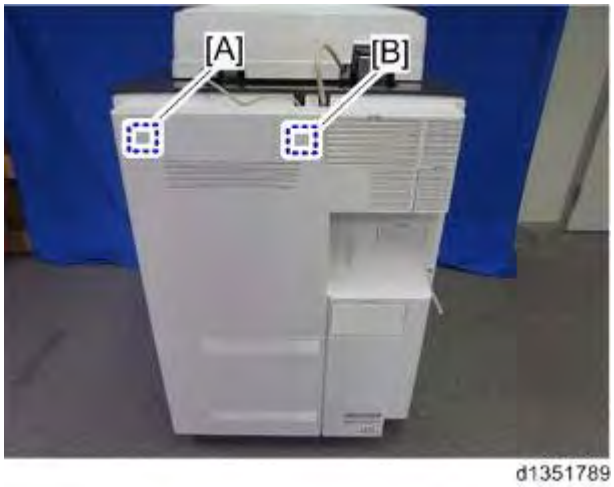


- **ANT1**. Antenna 1 [A] transmits and receives. It must be installed on the rear middle side of the main machine. (The core on the Antenna 1 cable is black.)
- **ANT2**. Antenna 2 [B] only receives. It is installed on the rear right corner of the machine. (The core on the Antenna 2 cable is white.)

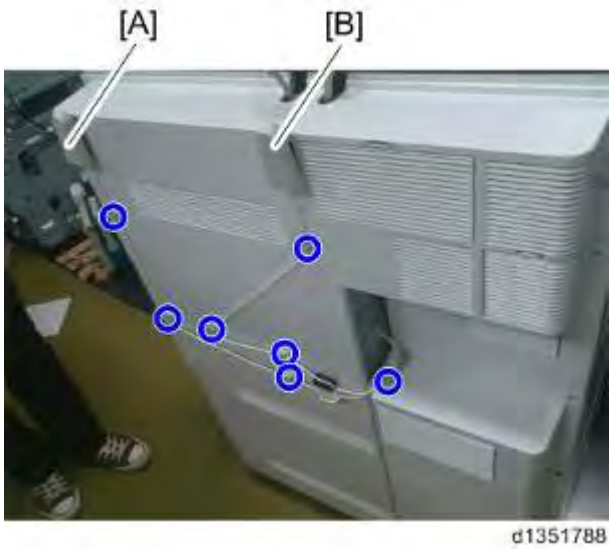
6. Peel off the double-sided tapes on the Velcro fasteners, and then attach them at the rear middle [B] and rear right [A] of the machine.

Note

- [A] has to be kept 12 cm away from [B].



7. Attach Antenna 1 [A] (having a black ferrite core) to the rear middle of the machine.
8. Attach Antenna 2 [B] (having a white ferrite core) to the rear right of the machine.
9. Attach the eight clamps as shown above.
10. Set the cables of Antenna 1 and Antenna 2 in the clamps and close them. (x 8)



Note

- Make sure that the cables are not slack. Keep them wired tightly along the covers.

11. Turn on the main machine.
12. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

You may have to move the machine if the reception is not clear.

- 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.

2.21.3 USER TOOL SETTINGS FOR IEEE 802.11A/G/N

Go into the User Tools mode and do the procedure below. These settings take effect every time the machine is powered on.

Note

- You cannot use IEEE 802.11a/g/n if you use Ethernet.

1. Press the “User Tools” key.
2. On the touch panel, touch “System Settings”.

Note

- Select “Interface Settings”> “Network” > “LAN Type”. The “LAN Type” (default: Ethernet) must be set for either Ethernet or wireless LAN.

3. Select “Interface Settings”> “Wireless LAN”. Only the wireless LAN options show.
4. Set the “Communication Mode“.
5. 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, only the following channels are available: 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” to specify the encryption of the 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.
   - Press “Restore Factory Defaults” to initialize the wireless LAN settings.

2.21.4 SP MODE SETTINGS FOR IEEE 802.11 WIRELESS LAN

The following SP commands and UP modes can be set for IEEE 802.11

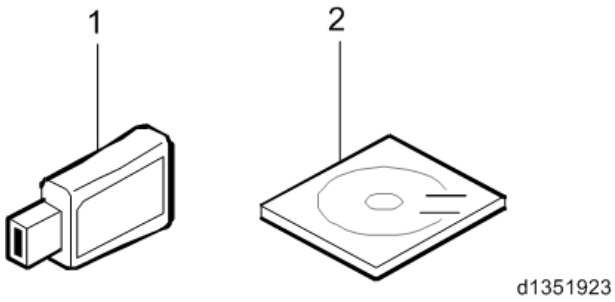
SP No.	Name	Function
5840 006	Channel MAX	Sets the maximum range of the channel settings for the country.
5840 007	Channel MIN	Sets the minimum range of the channels settings allowed for your country.
5840 008	Transmission Speed	Sets the transmission speed. Auto, 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 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).
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.

2.22 BLUETOOTH INTERFACE UNIT TYPE D (D566)

2.22.1 ACCESSORIES

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

No	Description	Q'ty
1	Bluetooth Module	1
2	CD-ROM	1



2.22.2 INSTALLATION PROCEDURE

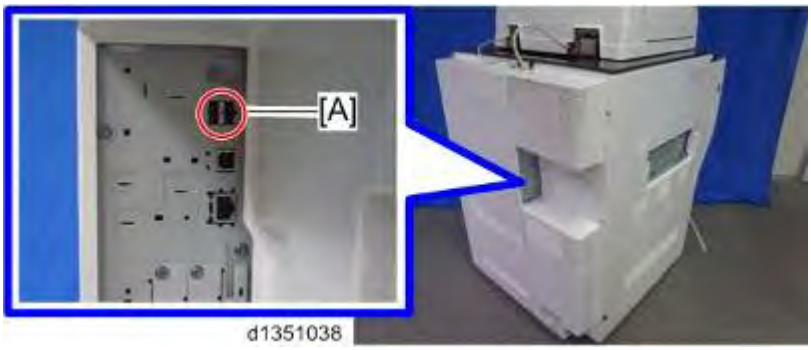
⚠WARNING

- 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 remove static charge from your hands before you handle a board.

1. Insert the Bluetooth unit into the USB Host Interface [A].



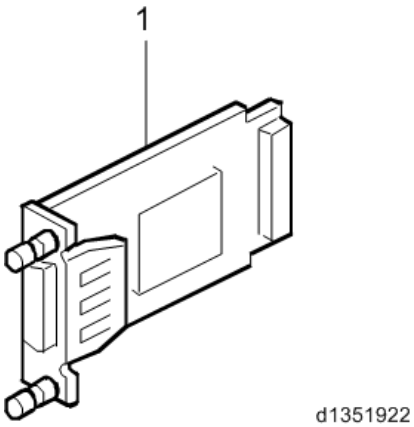
2. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

2.23 IEEE1284 INTERFACE BOARD TYPE A (B679)

2.23.1 COMPONENT LIST

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

No	Description	Q'ty
1	PCB Unit	1



2.23.2 INSTALLATION PROCEDURE

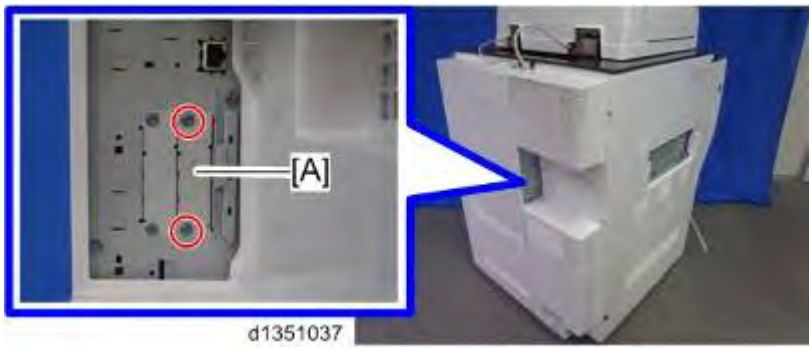
⚠WARNING

- 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 [A] from the board slot B. (x 2)



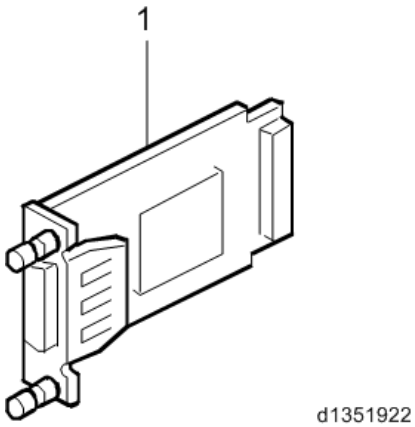
2. Insert the IEEE1284 interface board into the I/F slot and fasten it with the screws. (x 2)
3. Turn on the main machine.
4. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

2.24 FILE FORMAT CONVERTER TYPE E (D377)

2.24.1 COMPONENT LIST

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

No	Description	Q'ty
1	PCB Unit	1



2.24.2 INSTALLATION PROCEDURE

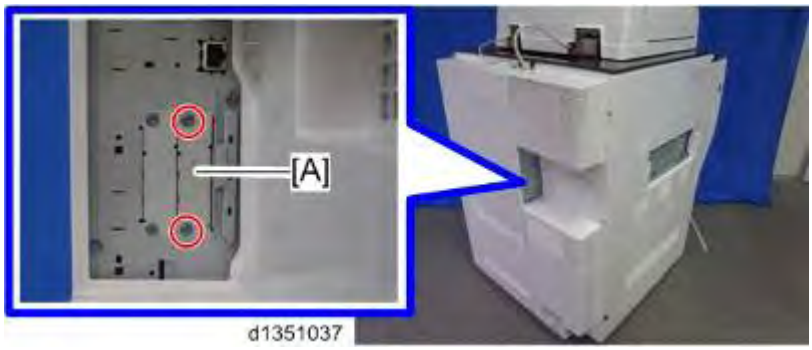
⚠WARNING

- 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 [A] from the board slot B. (x 2)



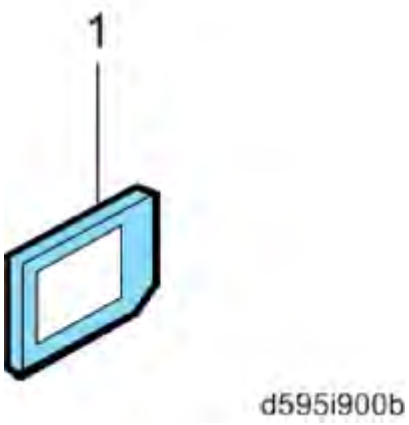
2. Insert the file format converter into the I/F slot and fasten it with the screws. (x 2)
3. Turn on the main machine.
4. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

2.25 SD CARD FOR NETWARE PRINTING TYPE M2 (D719)

2.25.1 COMPONENT LIST

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

No.	Description	Q'ty
1	SD Card	1

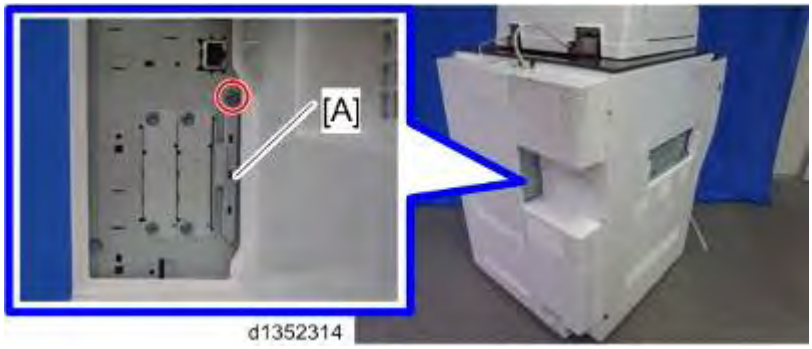


2.25.2 INSTALLATION PROCEDURE

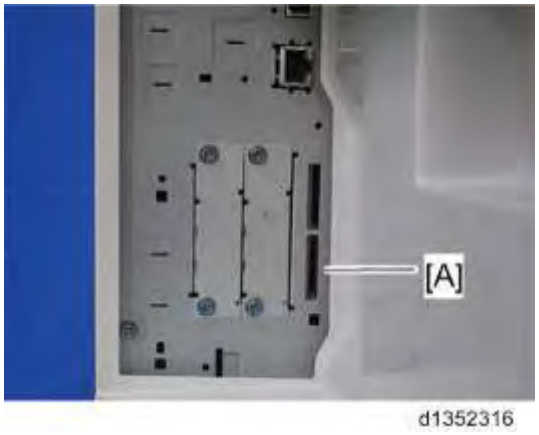
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



2. Insert the SD card (SD card for NetWare printing) in SD slot 2 (lower) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.



3. Perform the SD Card Appli Move. (page 2-273 "SD Card Appli Move")

Note

- After the SD Card Aplli Move is completed, do the following procedure.
  1. Remove the SD Card from the SD slot 2 (lower).
  2. Attach the SD-card slot cover, and then turn on the machine (x 1)
  3. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

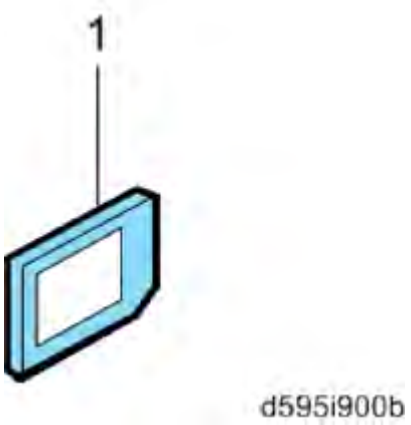
2.26 OCR UNIT TYPE M2 (D166)

OCR unit allows you to use the searchable PDF function with the scanner application.

2.26.1 ACCESSORIES

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

No.	Description	Q'ty
1.	SD Card	1



2.26.2 DETAILS ABOUT SEARCHABLE PDF

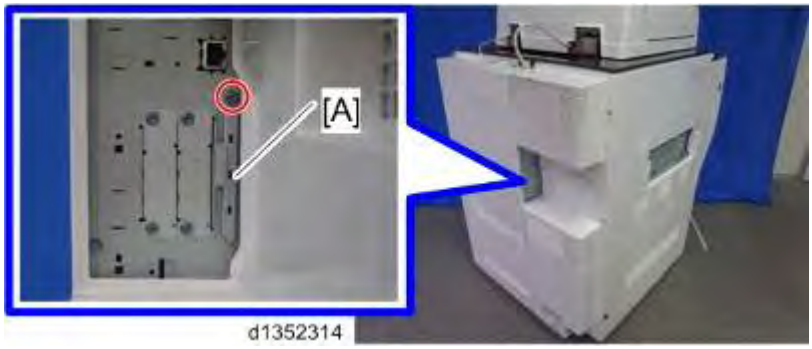
- Searchable PDF embeds the text information in the scanned document without processing the data on your computer.
  If this option is installed:
  - You can search the text in the scanned document.
  - You can add extra text to the file name.
  - The orientation of the originals is detected, and the document is automatically rotated.
- The OCR unit is provided on an SD card. By installing the SD card on the main machine, the function key is added to the operation panel. You don't need to install the OCR unit on the computer.
- After installing the OCR unit, 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.

2.26.3 INSTALLATION PROCEDURE

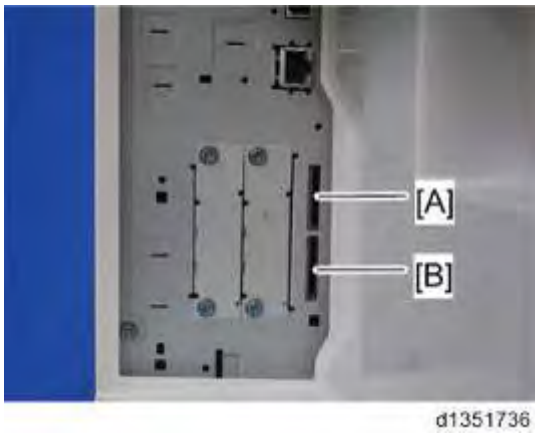
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



2. Insert the SD card (OCR Unit) in SD card slot 1 (upper) [A] or SD slot 2 (lower) [B] with its label face towards the front of the machine. Then push it slowly into the SD slot until you hear a click.



3. Turn on the main power switch.
4. Go to SP 5-878-004 (Option Setup: OCR) and press [EXECUTE].
   The SD card ID is recorded in NVRAM, and the machine ID of the main machine is recorded in the SD card.
5. When the display tells you that the execution is completed, press [Exit].

Note

- If the execution failed, the display tells you that the execution failed.
- If the execution failed, do the following.
  Check if the SD card is already used.
  Turn off the main power switch, and do steps 1 to 5 again.

6. Turn the main power switch off and on.
7. Go to SP 5-878-004 (Option Setup: OCR) and press [EXECUTE].
   The OCR dictionary is copied to the HDD from the SD card.

Note

- SP 5-878-004 links the SD card and the machine in the first execution, and then

copies the OCR dictionary to the HDD in the second execution.

8. Turn off the main power switch, and then remove the SD card form the SD card slot.

Note

- Keep the SD card in the SD card storage location. You need the original SD card if the HDD is broken.

9. Re-attach the SD card slot cover.
10. Turn on the main power switch.
11. Press [Send File Type / Name] on the [Scanner] screen.

w_d1351739

12. Check if [OCR Settings] is displayed on the [Send File Type / Name] screen.

w_d1351740

Note

- You can switch the searchable PDF function on and off in 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])

2.26.4 RESTORATION PROCEDURE

When you install the OCR Unit Type M2, the searchable PDF function is saved on the HDD and the SD card ID is saved in NVRAM.

Therefore, you need to re-install the OCR Unit Type M2 after replacing the HDD or NVRAM.

When the original SD card exists

- When you replace the HDD

Re-install the OCR Unit Type M2 from the original SD card.

- When 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.

When the 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.

Note

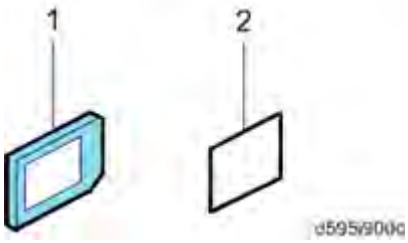
- When you re-install the OCR Unit Type M2, do the same procedure as the original installation procedure. (☛page 2-244 "Installation Procedure")

2.27 POSTSCRIPT3 UNIT TYPE M2 (D719)

2.27.1 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

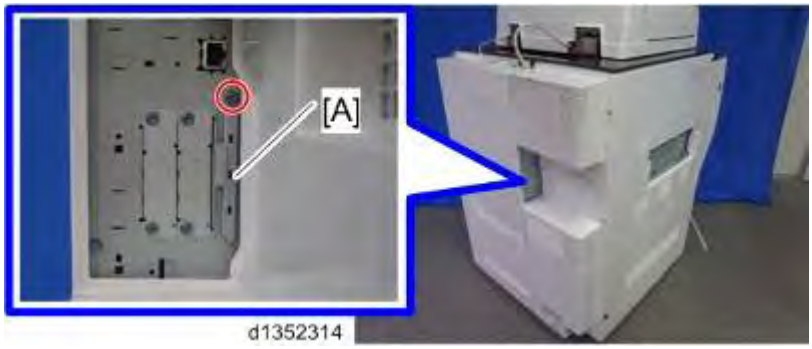


2.27.2 INSTALLATION PROCEDURE

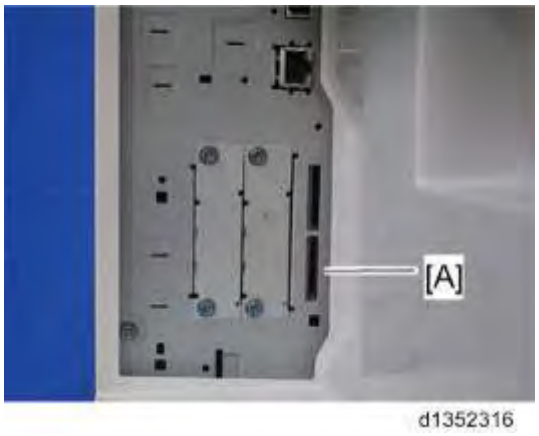
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



2. Insert the SD card (PostScript3 Unit) in SD slot 2 (lower) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.



3. Perform the SD Card Appli Move. (☛ page 2-273 "SD Card Appli Move")

Note

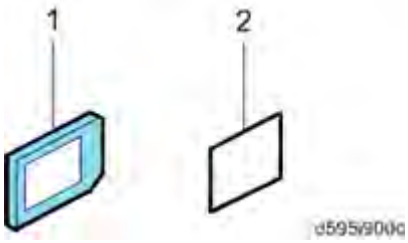
- After the SD Card Aplli Move is completed, do the following procedure.
  1. Remove the SD Card from SD slot 2 (lower).
  2. Attach the SD-card slot cover, and then turn on the machine (x 1)
  3. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

2.28 IPDS UNIT TYPE M2 (D719)

2.28.1 ACCESSORIES

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

No	Description	Q'ty
1	IPDS Emulation SD Card	1
2	Decal	1

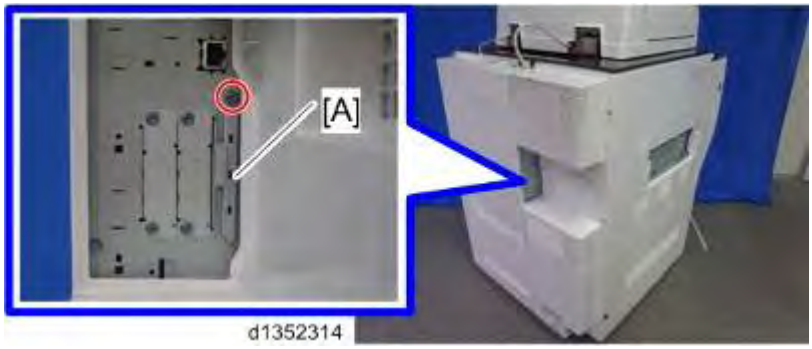


2.28.2 INSTALLATION PROCEDURE

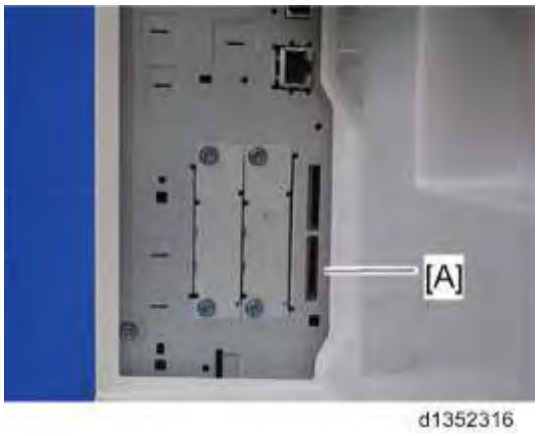
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



2. Insert the SD card (IPDS Unit) in SD slot 2 (lower) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.



3. Perform the SD Card Appli Move. (☛ page 2-273 "SD Card Appli Move")

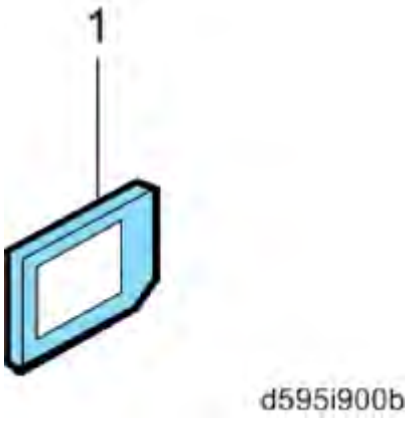
Note

- After the SD Card Aplli Move is completed, do the following procedure.
  1. Remove the SD Card from SD slot 2 (lower).
  2. Attach the SD-card slot cover, and then turn on the machine (x 1)
  3. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

2.29 BROWSER UNIT TYPE M2 (D719)

2.29.1 ACCESSORIES

No.	Description	Q'ty
1	SD Card	1

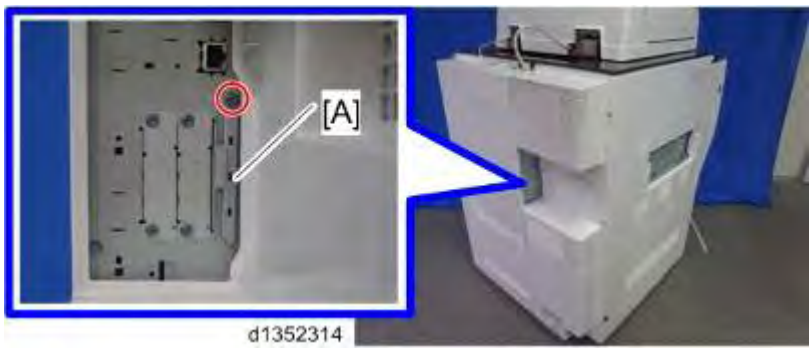


2.29.2 INSTALLATION PROCEDURE

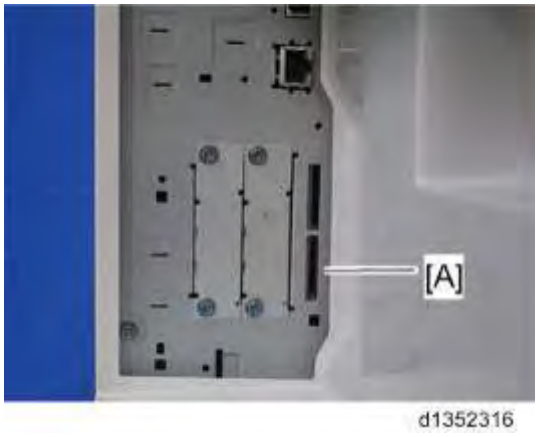
⚠WARNING

- Unplug the main machine power cord before you do the following procedure.

1. Turn the main switch OFF.
2. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



3. Insert the SD card (Browser Unit) in SD slot 2 (lower) [A].



4. Turn the main switch ON.
5. D135/D136: Press the “User Tools/Counter” key.
   D137/D138: Press the “User Tools” key.
6. On the touch panel, touch “Extended Feature settings”.
7. Touch “Extended Feature settings” in the Extended Feature Settings Menu.
8. Make sure that “Extended JS” application was automatically installed in the Startup Settings tab.
9. Turn the main switch OFF/ON.
10. Perform the SD Card Appli Move. (☛ page 2-273 "SD Card Appli Move")

Note

- After the SD Card Appli Move is completed, do the following procedure.
  1. Remove the SD Card from SD slot 2 (lower).
  2. Attach the SD-card slot cover, and then turn on the machine (x 1)
  3. Make sure that the machine can recognize the option.: User Tools > Printer Features > List/Test Print > Configuration Page

11. D135/D136: Press the “User Tools/Counter” key.
    D137/D138: Press the “User Tools” key.
12. Touch “Edit home”.
13. Touch “Add Icon”.
14. Touch “Browse”.
15. Touch a blank square to set the location for the browser icon.
16. Touch “Exit” to complete the addition of the browser icon.
17. Execute SP5-801-024 (Clear Memory: BROWSER).

Do the following steps if the customer is using the Ricoh JavaScript connected to a Web application developed by Operius/RiDP.

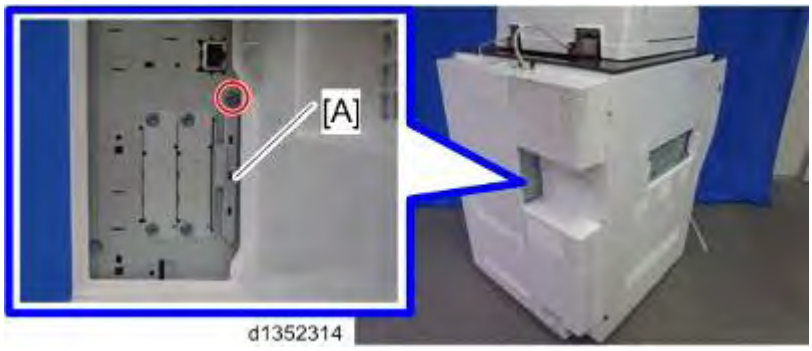
1. Turn the main switch ON.
2. D135/D136: Press the “User Tools/Counter” key.
   D137/D138: Press the “User Tools” key.
3. On the touch panel, touch “Browser Features”.
4. Touch “JavaScript”.
5. Change the Extended JavaScript setting to “Active”.

Browser/EXJS Firmware Update Procedure

Note

- The firmware configuration of the Browser Unit Type M2 has been changed to enhance browsing.
- The Browser Unit Type M2 consists of the Browser firmware and EXJS firmware. The EXJS firmware is equivalent to the existing browser firmware. Therefore, it is possible to update the EXJS firmware using the same procedure as that of SDK application firmware.

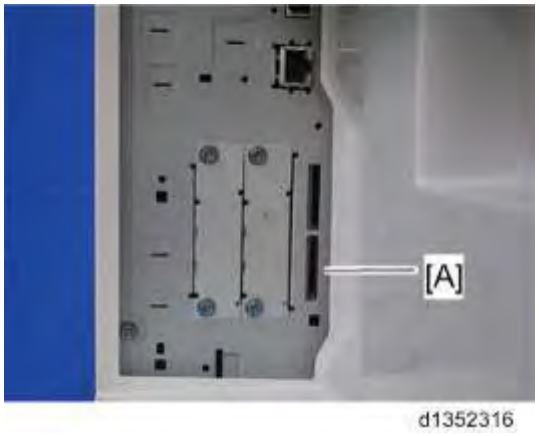
1. Turn the main switch ON.
2. D135/D136: Press the “User Tools/Counter” key.
   D137/D138: Press the “User Tools” key.
3. On the touch panel, touch “Extended Feature settings”.
4. Touch “Extended Feature settings” in the Extended Feature Settings Menu.
5. Disable “Extended JS” in the Startup Settings tab.
6. Turn the main switch OFF.
7. Remove the SD-card slot cover [A] from the SD Card slots. (x 1)



8. Insert the SD card for Browser firmware update into SD slot 2 (lower) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.

Note

- Make sure that only the Browser firmware is on this SD card; do not copy the EXJS firmware.



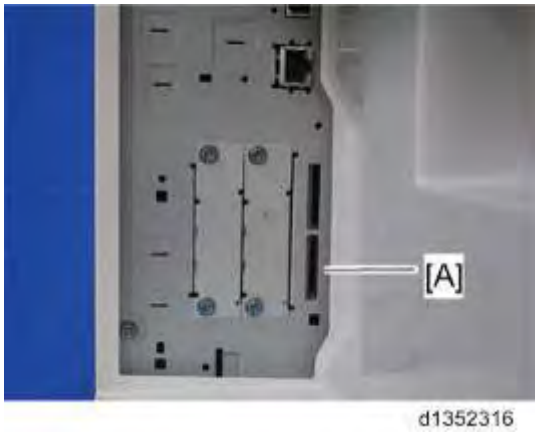
9. Turn the main switch ON.
10. After the Update screen is displayed, select the “Browser”.
11. Touch “Update (#)”.
12. After the "Update Done" message appears on the screen, turn the main power switch OFF.
13. Remove the SD card from the lower slot.

Do the following steps if you are updating the Extended JavaScript (EXJS).

14. Insert the SD card for EXJS firmware update into SD slot 2 (lower) [A] with its label face towards the front of the machine. Then push it slowly into SD slot 2 (lower) until you hear a click.

Note

- Make sure that only the EXJS firmware is on this SD card; do not copy the Browser firmware.



15. Turn the main switch ON.
16. D135/D136: Press the “User Tools/Counter” key.
    D137/D138: Press the “User Tools” key.
17. On the touch panel, touch “Extended Feature settings”.
18. Touch “Extended Feature settings” in the Extended Feature Settings Menu.
19. Change the status of “Extended JS” to “Ending” in the Startup Settings tab.

20. Turn the main switch OFF.
21. Insert the SD card containing the Extended JS firmware into the lower slot.
22. Turn the main switch ON.
23. D135/D136: Press the “User Tools/Counter” key.
    D137/D138: Press the “User Tools” key.
24. On the touch panel, push “Extended Feature settings”.
25. Touch “Extended Feature settings” in the Extended Feature Settings Menu.
26. Touch the “Install” tab.
27. Touch “SD card”, then select “Extended JS” from the list of Extended Features.
28. Select “Machine HDD” as the “Install to” destination, then touch “Next”.
29. Check the Extended Features information on the “Ready to Install” screen, then press “OK”.
30. After “The following extended feature has already been installed. Are you sure you want to overwrite it?” is displayed, press “Yes”.
31. Change the status of Extended JS to “waiting” in the Startup Settings tab.
32. Turn the main switch OFF.
33. Remove the SD card from slot 2 (lower slot) and attach the SD-card slot cover.
34. Turn the main switch ON.
35. D135/D136: Press the “User Tools/Counter” key.
    D137/D138: Press the “User Tools” key.
36. On the touch panel, touch “Extended Feature settings”.
37. Touch “Extended Feature settings” in the Extended Feature settings Menu.
38. Make sure that the “Extended JS” has been updated to the latest version in the Startup Settings tab.

Note

- If you are not updating the EXJS Firmware, attach the SD-card slot cover after step 13.

EXJS Firmware Un-install Procedure

1. Turn the main switch ON.
2. D135/D136: Press the “User Tools/Counter” key.
   D137/D138: Press the “User Tools” key.
3. Login with an administrator user name and password.
4. On the touch panel, touch “Extended Feature settings”.
5. Touch “Extended Feature settings” in the Extended Feature Settings Menu.
6. Touch “Uninstall”.
7. Touch “Extended JS”, and then touch “Yes” after “Are you sure you want to uninstall the following extended feature?” is displayed.

Note

- “Uninstalling the extended feature... Please wait” is then displayed on the touch screen.

8. After "Completed" is displayed, turn the main power switch OFF.

Note

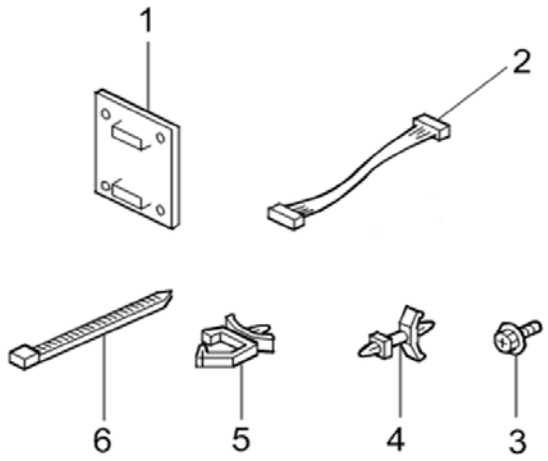
- The Browser firmware is un-installed from the machine when the Browser SD card is removed.

2.30 OPTIONAL COUNTER INTERFACE UNIT TYPE A (B870)

2.30.1 COMPONENT CHECK

Check the quantity and condition of the components against the following list.

No.	Description	Q'ty
1	Key Counter Interface Board	1
2	Harness	1
3	Tapping Screw: M3 x 6	4
4	Stud Stay	4
5	Harness Clamp	1
6	Band	1



2.30.2 INSTALLATION PROCEDURE

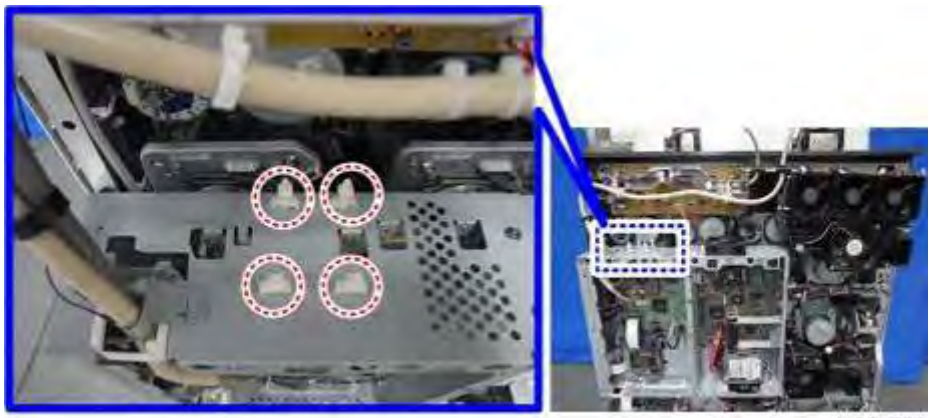
⚠CAUTION

- Unplug the main machine power cord before starting the following procedure.

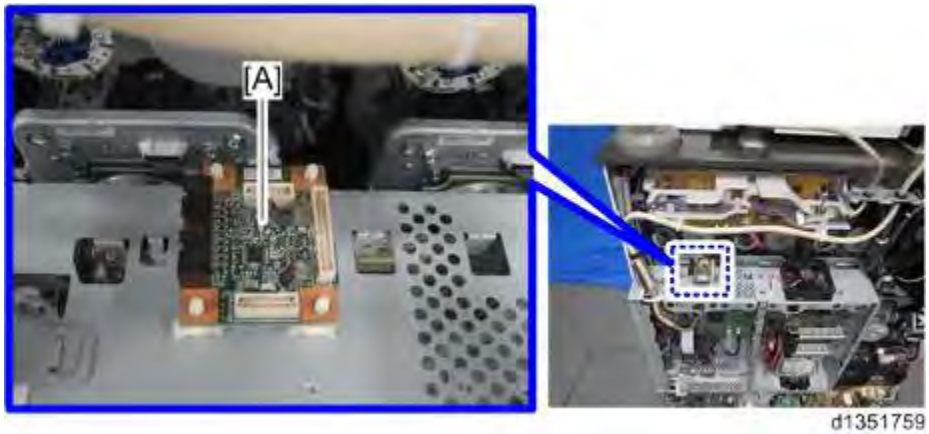
1. Remove the rear middle cover. (☛page 4-6 "Outer Covers")
2. Remove the controller box cover [A]. (x 4)

d7181016

3. Install the four stud stays on the controller box.

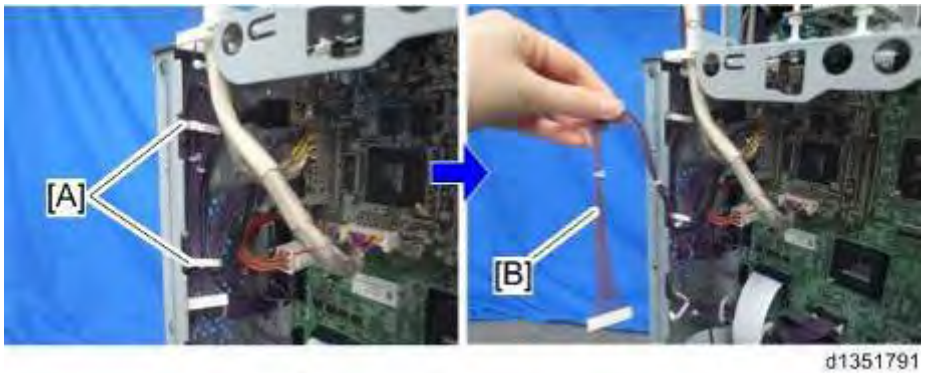

d1351758

4. Install the optional counter interface board [A] on the four stud stays.



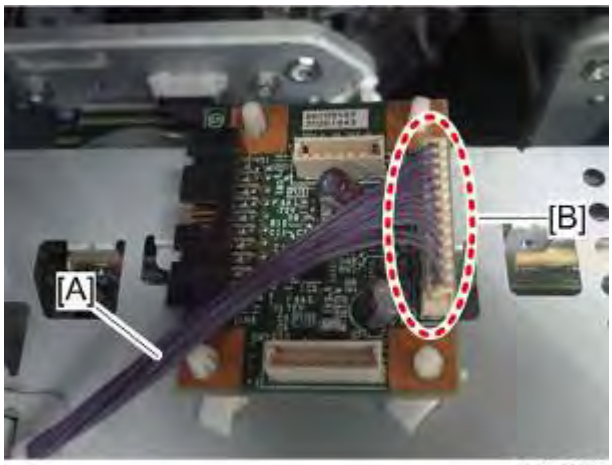
d1351759

5. Release the extension harness (13-pin) [B] from the clamps [A] in the controller box. (x2)



d1351791

6. Connect the harness [A] to CN3 [B] on the optional counter interface board. (x 1)



d1351792

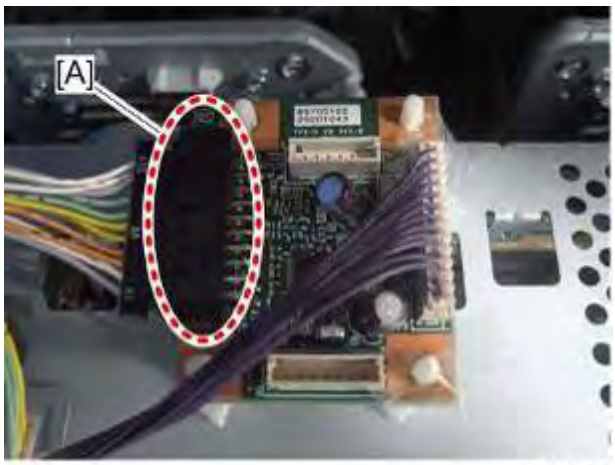
7. Route the harness [A] inside the controller box as shown below. (x 3)

d1351793

8. Remove the part [A] of the rear middle cover with a flathead screwdriver.

d1351667

9. Connect the harness from the optional counter device to CN4 [A] on the optional counter interface board through the cut off part of the right rear cover. (x 1)



d1351794

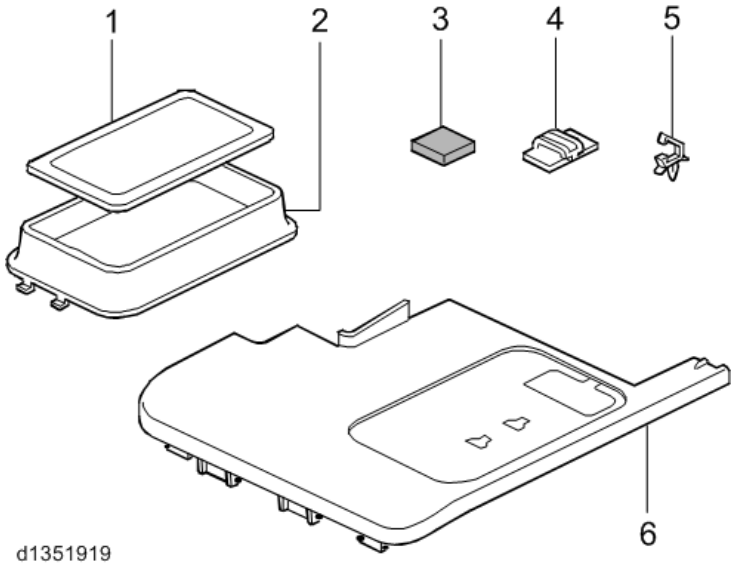
10. Reassemble the machine.

2.31 SMART CARD READER BUILT-IN UNIT TYPE M2 (D739) (D135/D136 ONLY)

2.31.1 COMPONENT CHECK

No.	Description	Q'ty
1	IC Card Upper Cover	1
2	IC Card Cover	1
3	Sponge	2
4	Cable Clamp	3
5	Harness Clamp	3
6	Front Upper Cover*1	1

*1: Not used in this machine



2.31.2 INSTALLATION PROCEDURE

⚠CAUTION

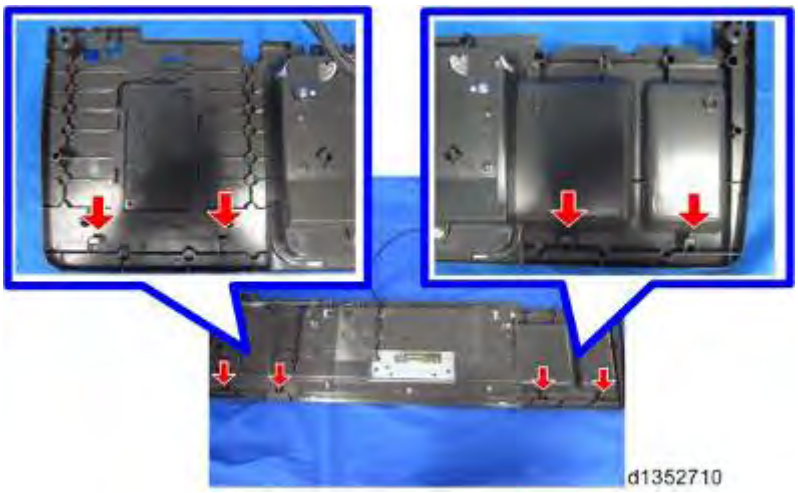
- Unplug the main machine power cord before starting the following procedure.

1. Remove the following covers. (☛page 4-6 "Outer Covers")
   - Upper front cover
   - Upper rear cover
   - Upper right cover
   - Right middle upper cover
2. Remove the screws and connectors of the operation panel [A]. (x 2, x 2)

3. Pull the operation panel [A] and lower cover [B] forward to remove it.

Note

- Check the position of the hooks in the photo below before removing.



4. Remove the IC card cover [A] from the operation panel lower cover.

5. Attach the IC card R/W you want to install [A] on the operation panel lower cover.

6. Pass the USB cable through hole [A] from the back side of the operation panel lower cover, and then connect the USB cable [B] to the IC card R/W.

d1351879

7. Route the USB cable [A] along the back side of the operation panel lower cover. (hook x 2)

d1351880

8. Keep the USB cable routed [A] on the back side of the operation panel lower cover, and then re-attach the operation panel lower cover.

d1351881

9. Install the IC card upper cover [B] on the IC card cover [A].

d1351882

10. Install the IC card cover [A] on the operation panel lower cover.

d1351883

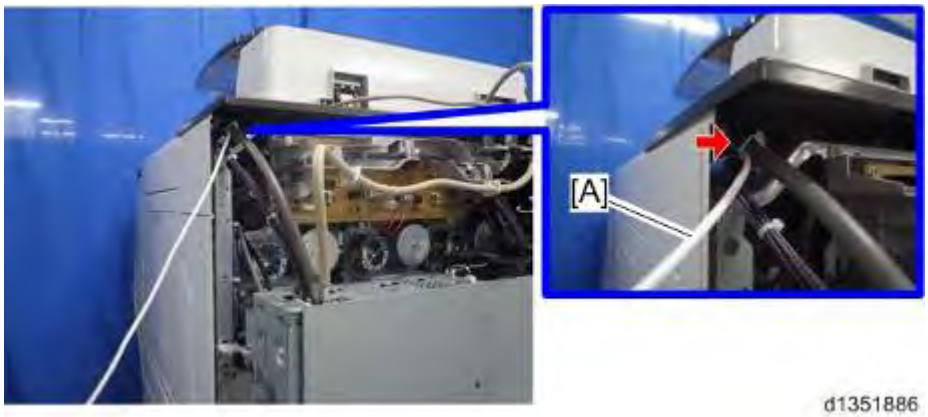
11. Route the USB cable [A] inside the right middle upper cover. (x 3)

d1351884

12. Route the USB cable [A] under the upper rear cover, and then pull it out to the rear side of the machine.

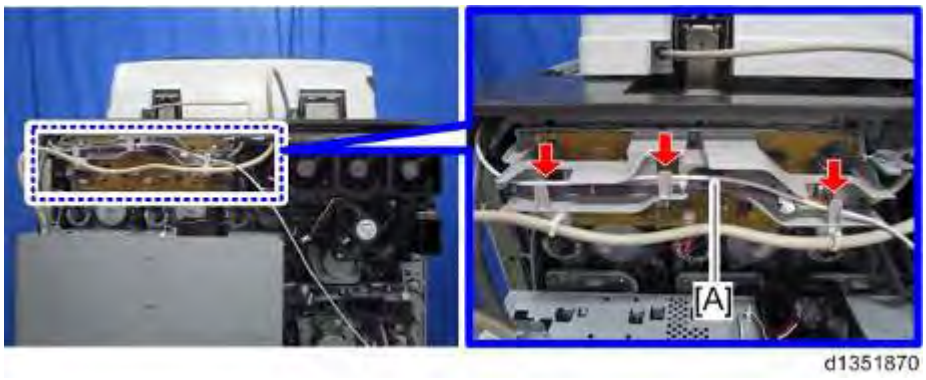
d1351885

13. Hold the USB cable with the clamp [A]. (x 1)



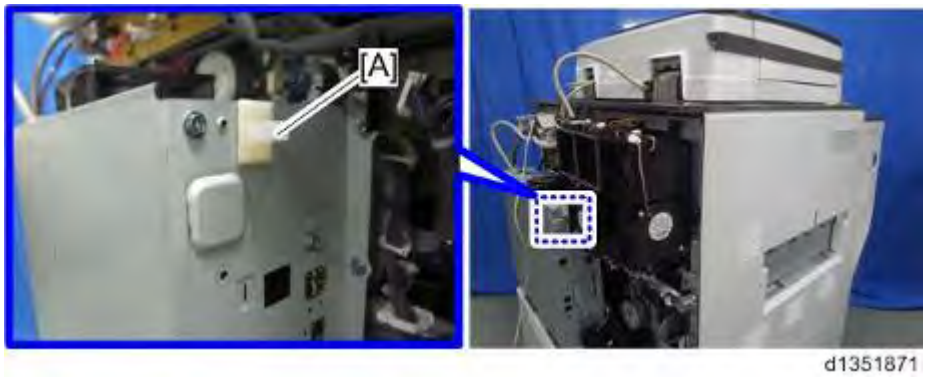
d1351886

14. Route the USB cable [A] along the rear side of the machine as shown below. (hook x 3)



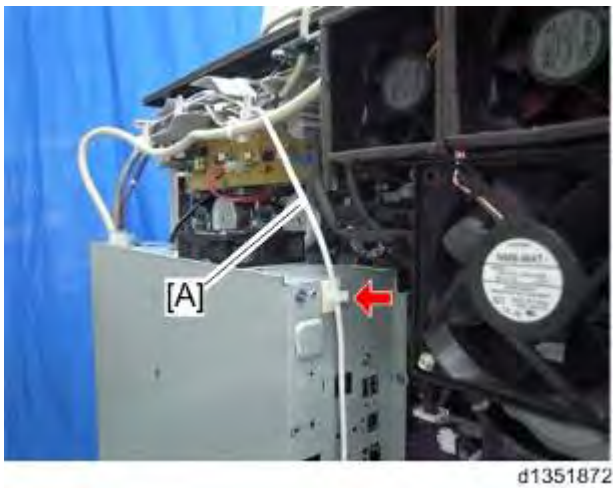
d1351870

15. Attach the cable clamp [A] to the side surface of the controller box.



d1351871

16. Hold the USB cable with the clamp [A]. (x 1)

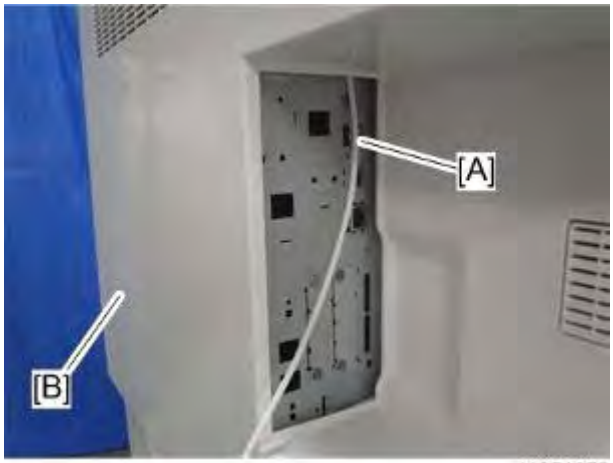


d1351872

17. Reattach the rear middle cover.

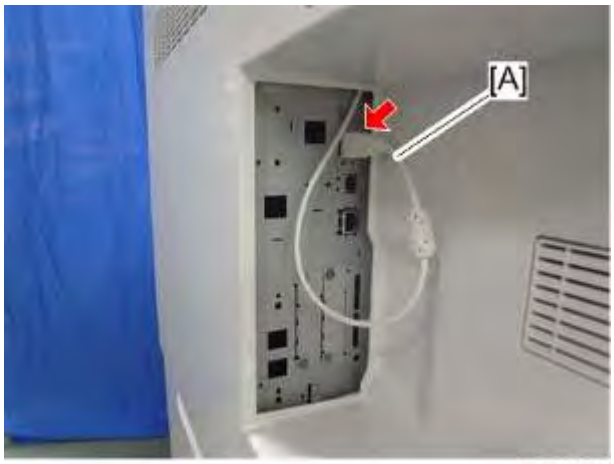
Note

- When your reattach the rear middle cover [B], pull out the USB cable [A] to the outside as shown below.



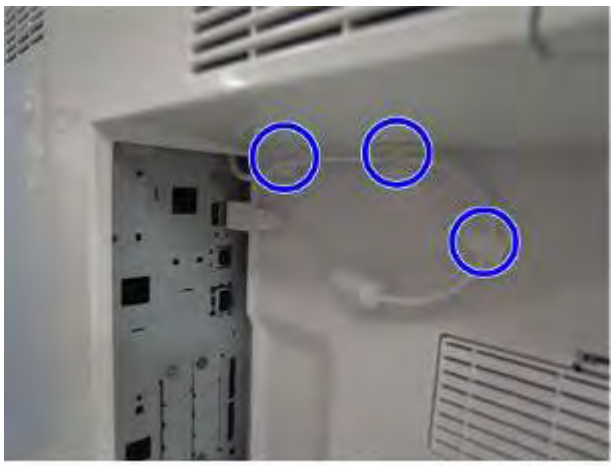
d1351873

18. Connect the USB cable [A] to the USB host interface. (x 1)



d1351887

19. Attach the cable clamps to the rear middle cover, and then route the USB cable. (x3)


d1351888

20. Reassemble the machine.
21. Turn on the main power switch.
22. Make sure that SP5-985-002 (Device Setting - On Board USB) is set to “1”.

2.33 COPY DATA SECURITY UNIT TYPE G (D640)

2.33.1 COMPONENT CHECK LIST

Installation of this unit requires the following components. Other components included in this kit are not used for installation on this machine.

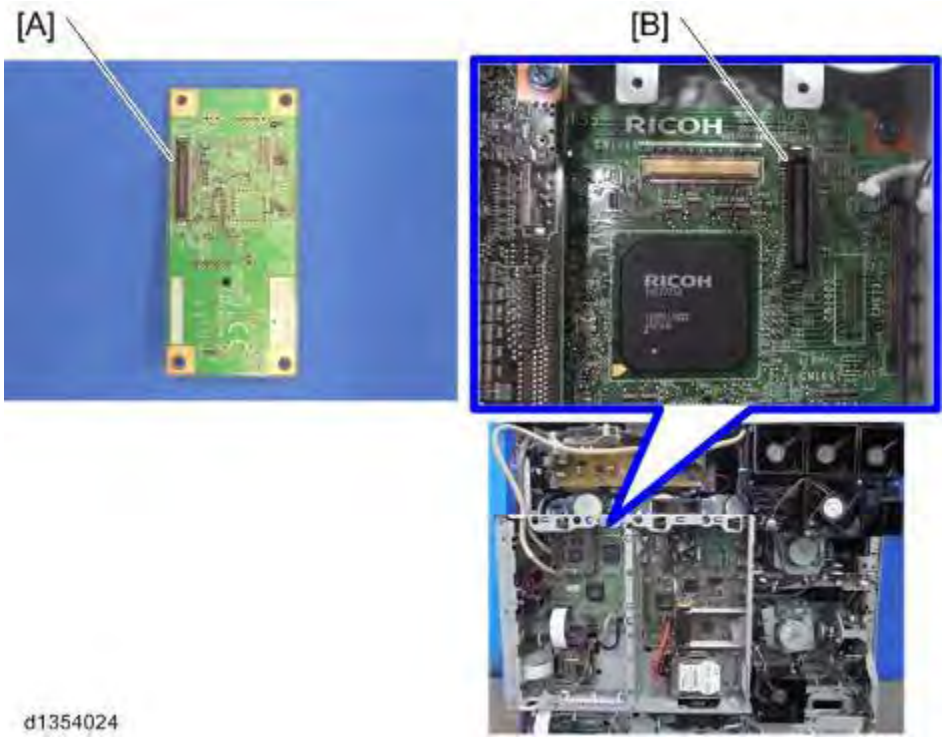
No.	Description	Q'ty
1	Copy data security unit board	1
2	Screws	2

2.33.2 INSTALLATION

⚠CAUTION

- Unplug the main machine power cord before you do the following procedure.

1. Controller box cover (☛page 4-349 "Controller Board")
2. Connect the connector [A] on the copy data security unit board to the CN581 [B] on the IPU board of the copier.



3. Attach the copy data security unit board [A] to the IPU board bracket (🔩 x 2).

4. Reassemble the machine.

User Tool Setting

1. Plug in and turn on the main power switch.
2. Go into the User Tools mode, and select System Settings > Administrator Tools > Copy Data Security Option > "On".

3. Exit User Tools.
4. Check the operation.

Note

- The machine will issue an SC165-00 error 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 an uncertain SC165-00 error if the machine is powered on with a defective Copy Data Security Unit Board and the "Data Security for Copying" feature set to "OFF".
- When you remove this option from the machine, first set the setting to "OFF" with the user tool before removing this board. If you forget to do this, the "Data Security for Copying" feature cannot appear in the user tool settings. And then SC165-00 will appear every time the machine is switched on, and the machine cannot be used.

Make sure that the machine can recognize the option (see "Check All Connections" at the end of this section).

Check All Connections

Make sure that the machine can recognize the option.

1. Plug in the power cord.
2. Turn on the main switch.
3. Enter the printer user mode. Then print the configuration page.
   User Tools > Printer Features > List Test Print > Configuration Page
4. All installed options are shown in the "System Reference" column.

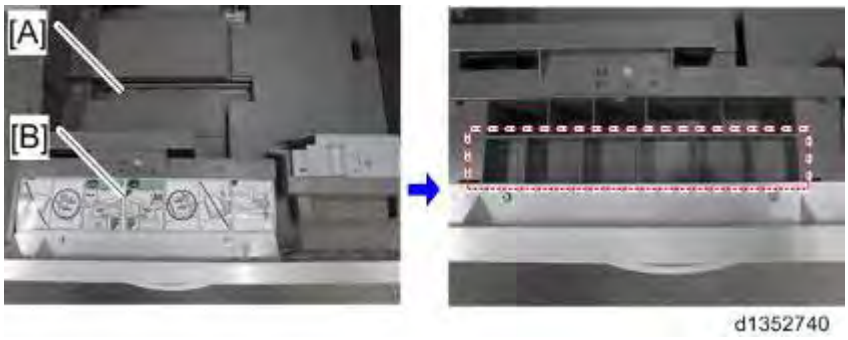
2.34 SD CARD APPLI MOVE

2.34.1 OVERVIEW

The service program "SD Card Appli Move" (SP5-873) lets you move application programs from one SD card to another SD card.

Be very careful when you do the SD Card Appli Move procedure:

- 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.
- Do not use the SD card if it has been used before for other purposes. Normal operation is not guaranteed when such an SD card is used.
- Open the tandem tray [A] and remove the paper cassette decal [B]. Keep the SD card inside after you move the application program from one card to another card. This is done for the following reasons:
  - The SD card can be the only proof that the user 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.



Note

- Do not move OCR Unit Type M2 (optional) to another SD card.

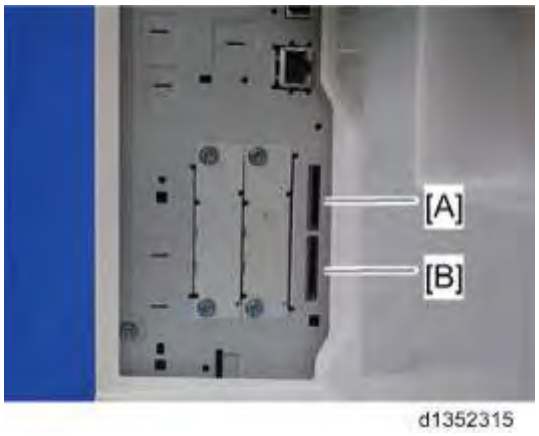
2.34.2 MOVE EXEC

The menu "Move Exec" (SP5-873-001) lets you move application programs from the original SD card to another SD card.

Important

- Do not turn ON 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 (e.g. Error Code 44) occurs during a firmware upgrade or application merge.

1. Turn the main switch off.
2. Make sure that a target SD card is in SD Card Slot 1 [A]. The application program is moved to this SD card.
3. Insert the source SD card with the application program in SD Card Slot 2 [B].The application program is copied from this source SD card.



4. Turn the main switch on.
5. Start the SP mode.
6. Select SP5-873-001 "Move Exec".
7. Follow the messages shown on the operation panel.
8. Turn the main switch off.
9. Remove the source SD card from SD Card Slot 2 [B].
10. Turn the main switch on.
11. Check that the application programs run normally.

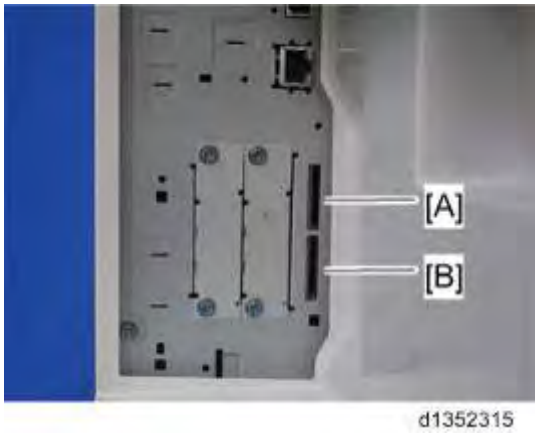
2.34.3 UNDO EXEC

"Undo Exec" (SP5-873-002) lets you move back application programs from an SD card in SD Card Slot 1 (upper) to the original SD card in SD Card Slot 2 (lower). You can use this program when, for example, you have mistakenly copied some programs by using Move Exec (SP5-873-001).

Important

- Do not turn ON 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 (e.g. Error Code 44) occurs during a firmware upgrade or application merge.

1. Turn the main switch off.
2. Insert the original SD card in SD Card Slot 2 [B]. The application program is copied back into this card.
3. Insert the SD card with the application program in SD Card Slot 1 [A].The application program is copied back from this SD card.



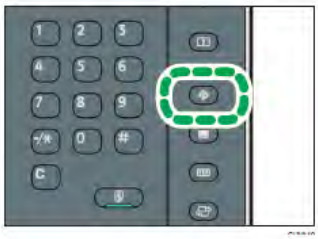
4. Turn the main switch on.
5. Start the SP mode.
6. Select SP5-873-002 "Undo Exec."
7. Follow the messages shown on the operation panel.
8. Turn the main switch off.
9. Remove the SD card from SD Card Slot 2 [B].
10. Turn the main switch on.
11. Check that the application programs run normally.

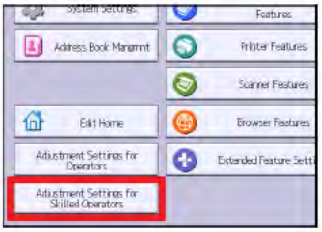
⇒ 2.35 HOW TO BACKUP/RESTORE CUSTOM PAPER LIBRARY

The following describes how to back up and restore Custom paper library/Saved paper library in Adjustment Settings for Skilled Operators.

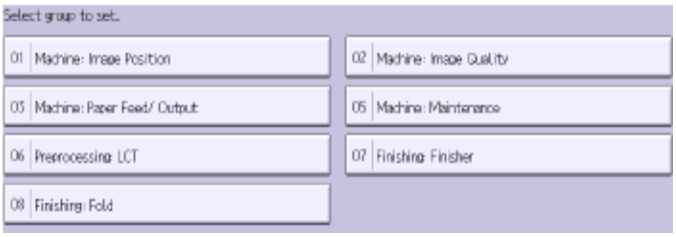
1. Insert the SD Card to the SD slot on the Operation Panel.

2. From [User Tools], select [Adjustment Settings for Skilled Operators].

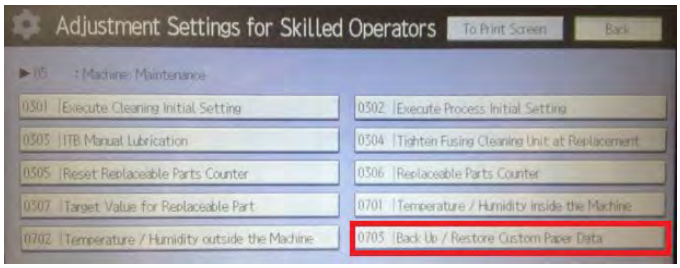




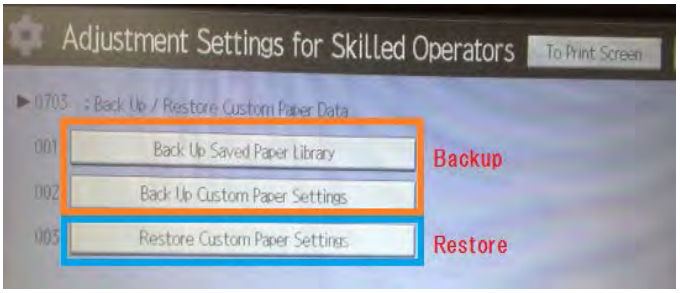
3. Select [05: Machine Maintenance].



4. Select [0703: Backup / Restore Custom Paper Data].

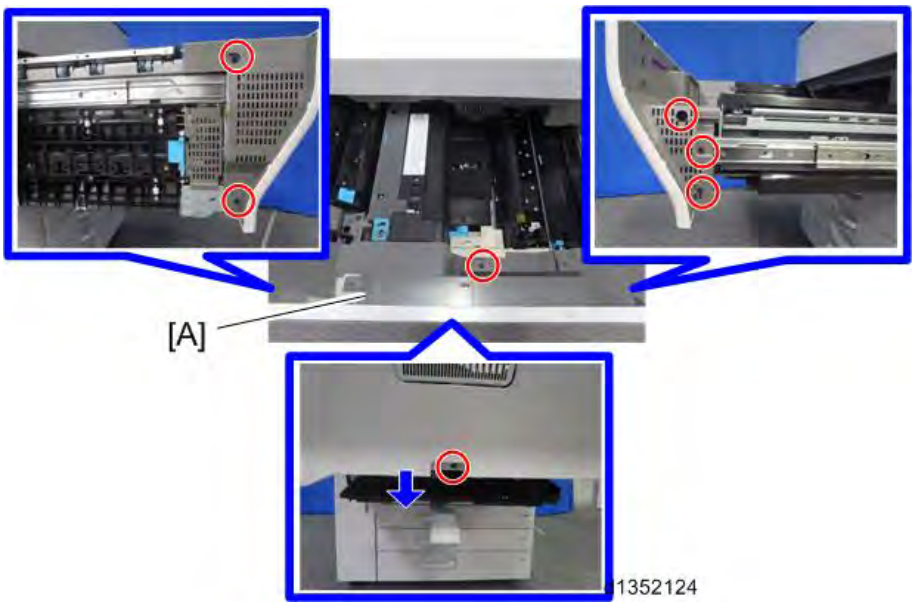


5. Select [Back Up Saved Paper Library] or [Back Up Custom Paper Settings] or [Restore Custom Paper Settings].

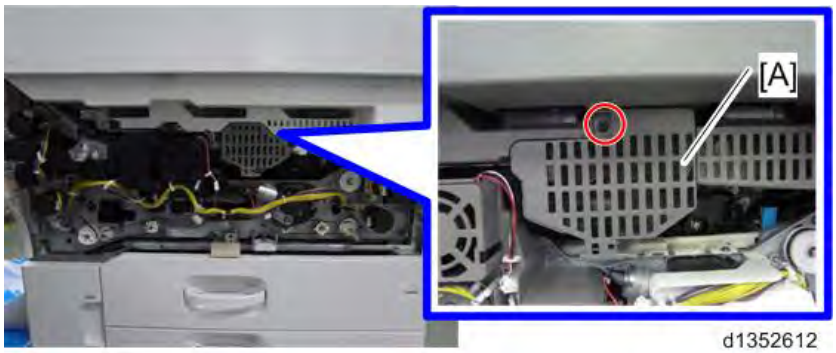


⇒ 2.36 REMOVING THE RETAINERS OF THE CHARGE ROLLER UNITS

1. Pull out the Drawer Unit and remove its cover [A]. (🔩 x 7)



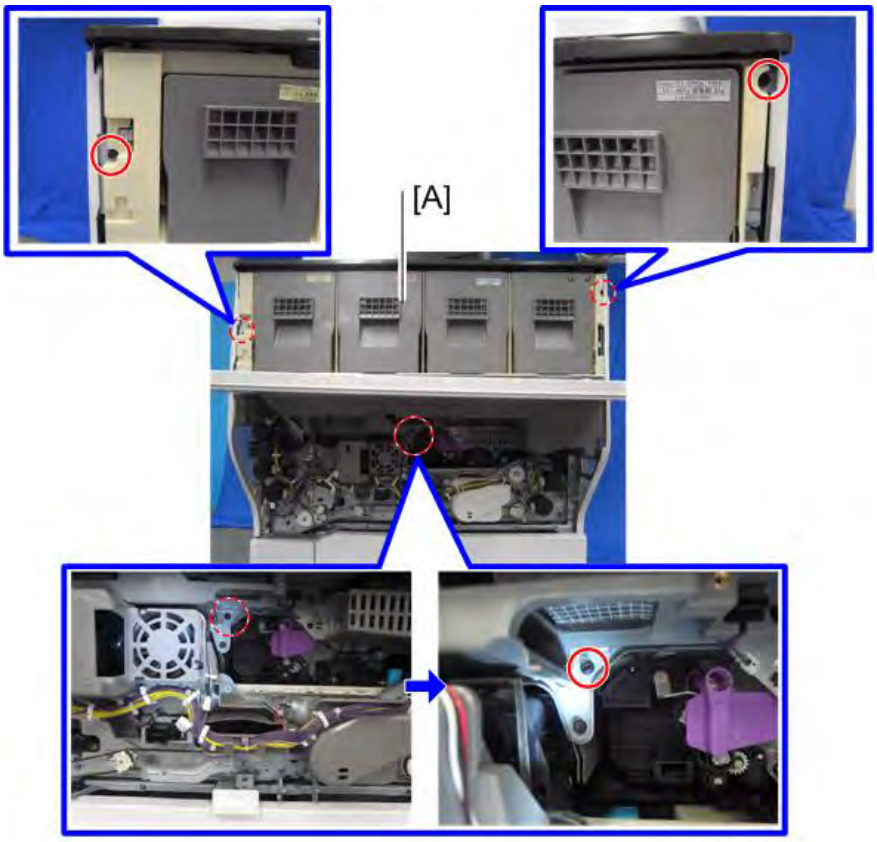
2. Slide the Drawer Unit back into the mainframe and remove the ITB Cleaning Intake Fan [A] together with the duct. (🔩 x 1)



3. Open the Toner Supply Unit Front Cover [A].

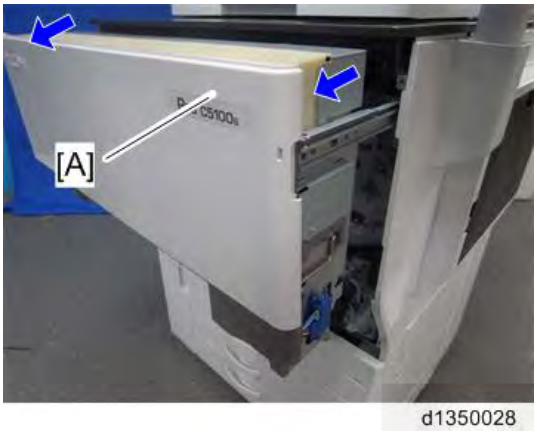
d1350026

4. Remove the screws fixing the toner supply unit. (x 3)

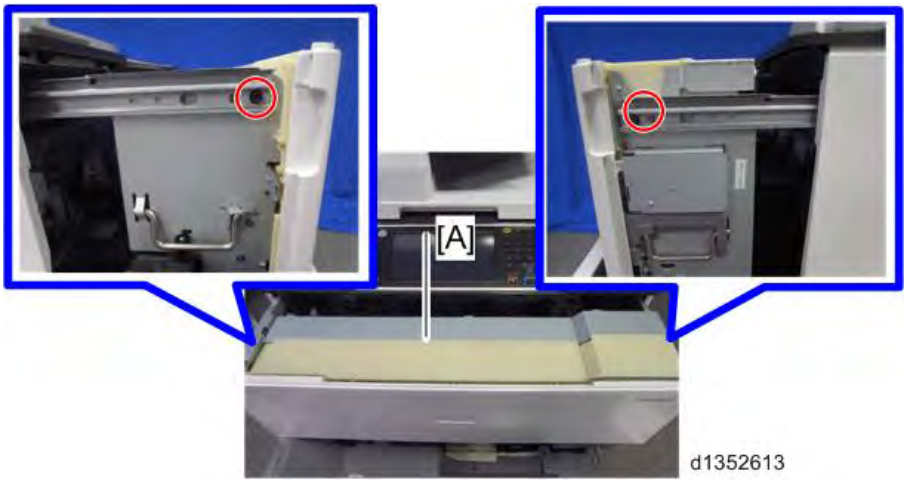


d1350027

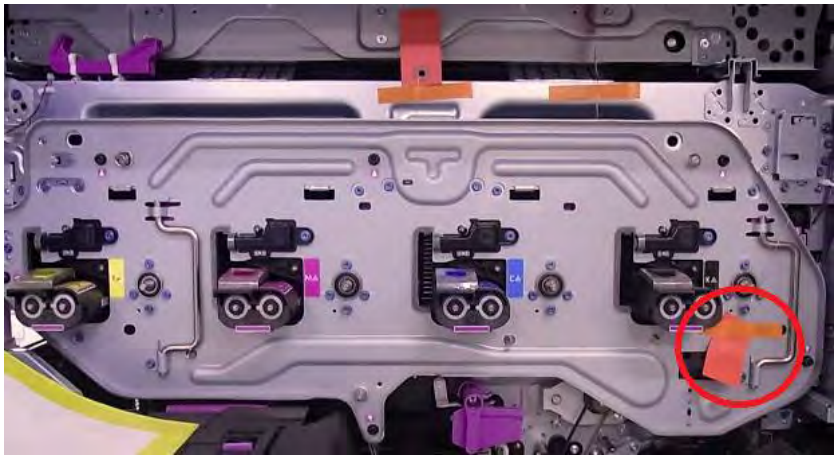
5. Pull out the Toner Supply Unit [A].



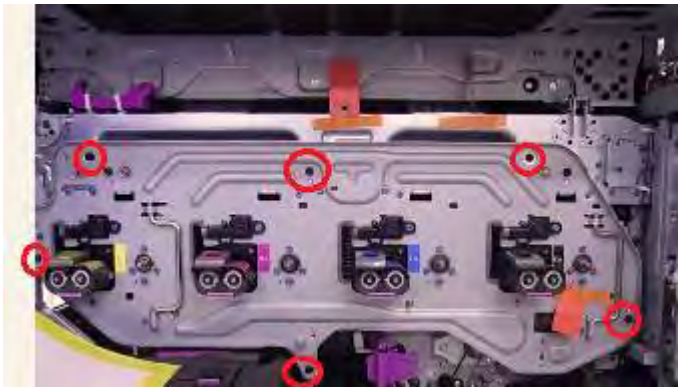
6. Remove the Toner Supply Unit [A]. (🔩 x 2)



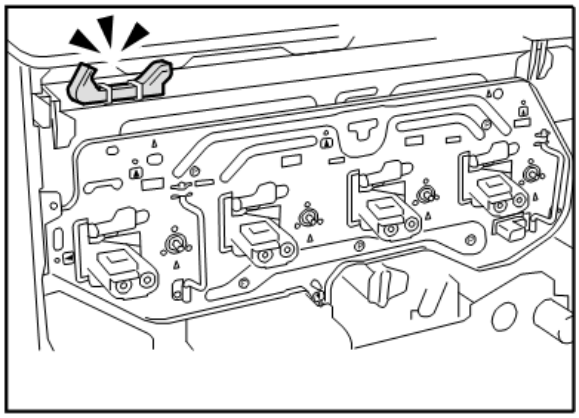
7. Remove the filament tape from the faceplate [A].



8. Remove the screws fixing the face plate. (x 6)

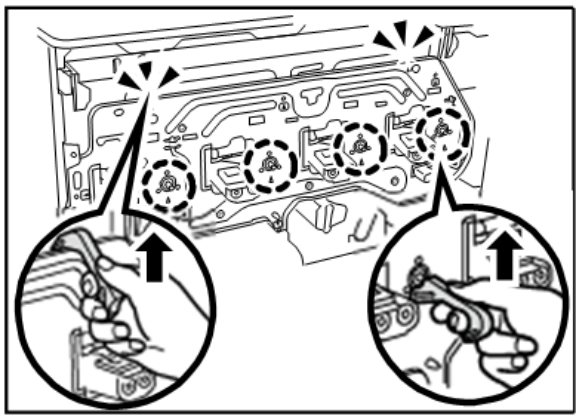


9. Take off the handles.



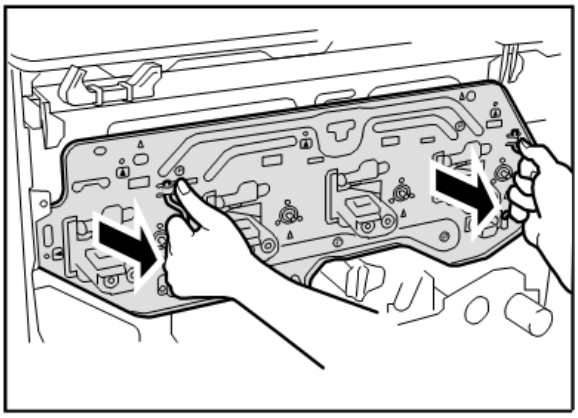
d1352794

10. Attach the handles and pull out the units slowly and evenly.



d1352795

11. Hold the grips and remove the face plate.



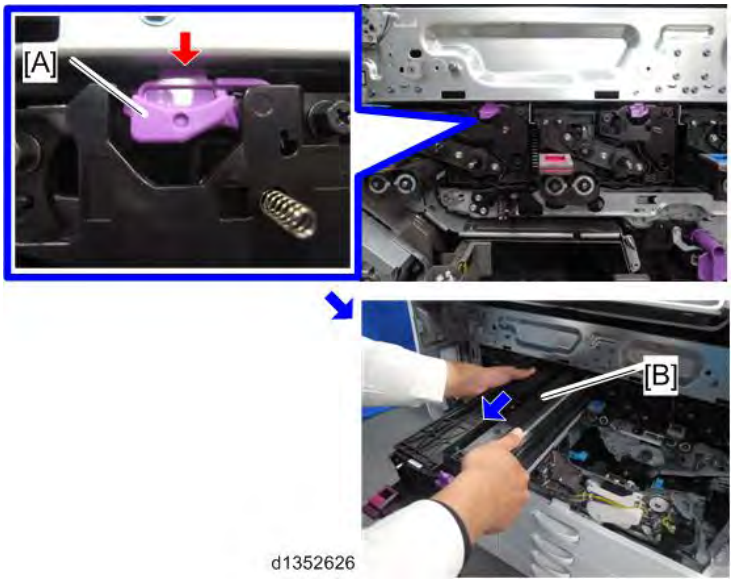
d1352796

12. Remove all filament tapes of Magenta and Cyan units.

Note

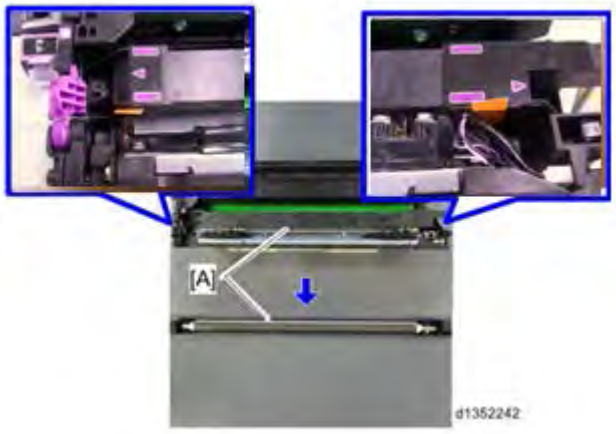
- The Y unit is NOT fixed with braces.

13. Unlock the lever [A] and pull out the PCDU [B] from the machine.



14. Place the PCDU [A] on the PCU stand [B].

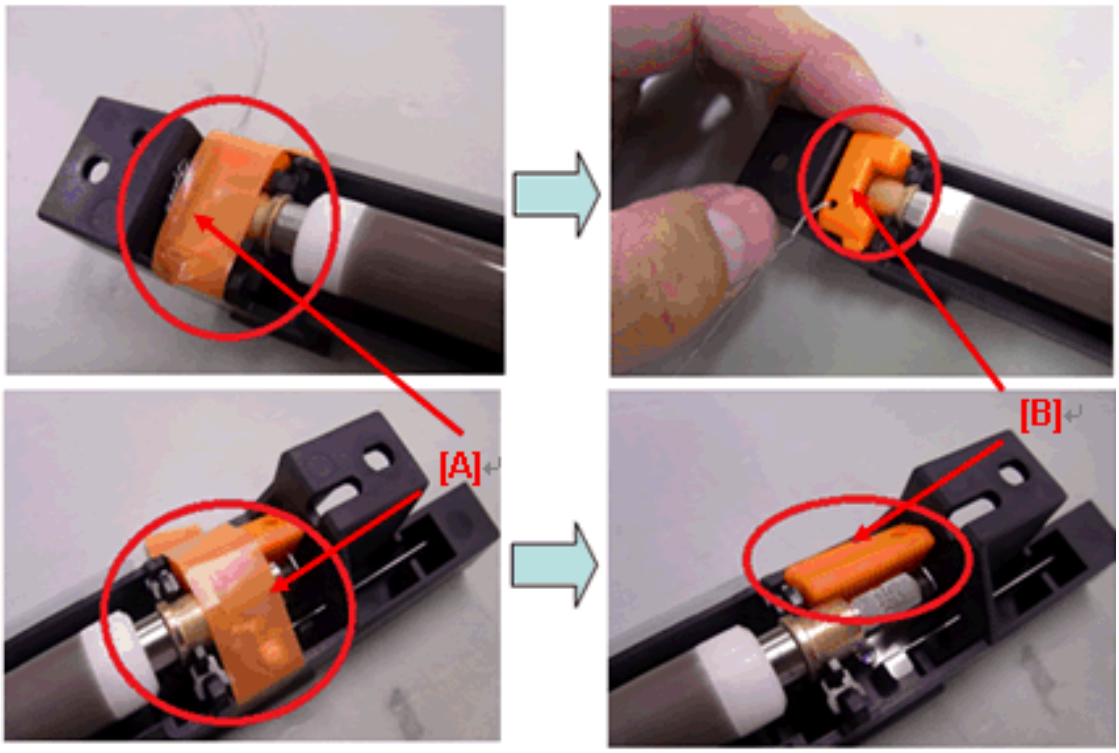
15. Remove the charge roller unit and place it on a clean, flat surface with the roller facing up.
(x 2)



Note

- Place the charge unit on a flat surface.

16. Remove the filament tapes [A] and retainers [B] from both ends of the charge roller unit.



Note

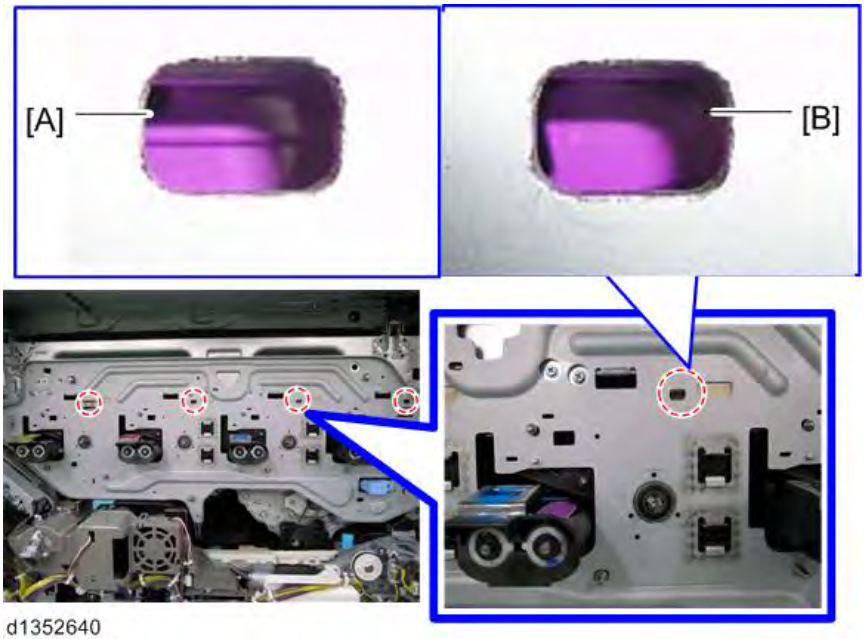
- You need to remove the retainers of C, M and K units.

17. Put back the charger roller unit and PCDU and attach the face plate.

Note

- After attaching the face plate, check the status of the locking levers again by looking through the holes as shown.
  [A]: The locking lever is properly fit in the hole in the machine frame.
  [B]: The locking lever is not properly fit in the hole in the machine frame.

d1352628



d1352640

⇒2.37 FINISHER PAPER COOLING FAN UNIT TYPE M2 (D770)

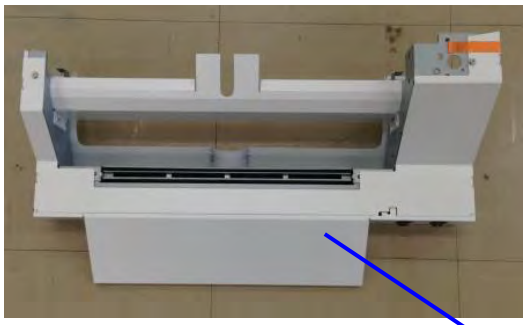
Note

- This option is to be installed to Finisher SR4090 (D703) or Booklet Finisher SR4100 (D704) or Finisher SR4110 (D707).
- When installing this option to the Finisher SR4090 (D703) or Booklet Finisher SR4100 (D704), install it after installing the "Output Jogger Unit Type M2 (D705)".
- This purpose of this option is to cool down the sheets delivered to the Finisher Shift Tray.

2.37.1 COMPONENT CHECK

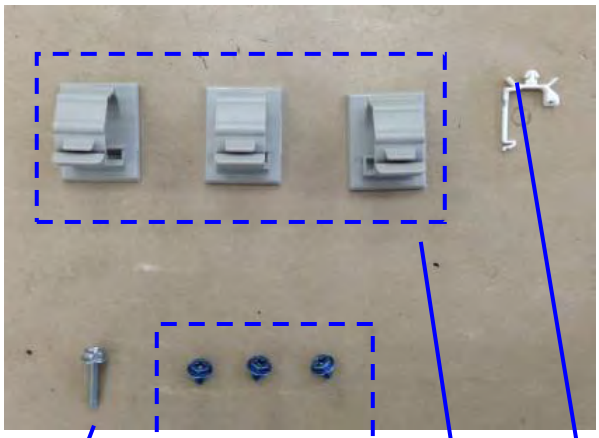
Check the quantity and condition of the accessories against the following list.

No	Description	Q'ty
1	Cooling Fan Assembly	1
2	Interface Unit	1
3	Tapping Screw M3 X 16	1
4	Locking Wire Saddle CKN-13	3
5	Harness: Fan: Separation	1
6	Harness: Fan	1
7	Tapping Screw M3 x 6	3
8	Wire Saddle : LWSM-0511A	1
9	PCB: OKB	1
10	Bracket (for SR4110)	1
11	Lower Cover (for SR4110)	1
12	Upper Cover (for SR4110)	1



1

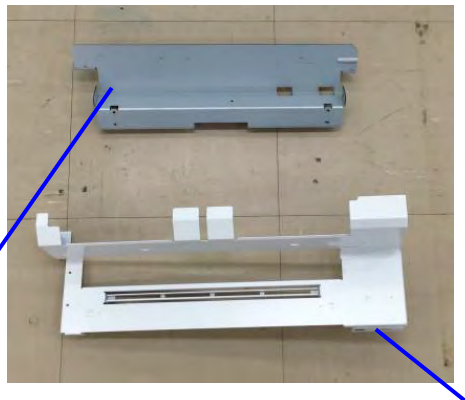
2



3 7 4 8

5 6

9



10 11

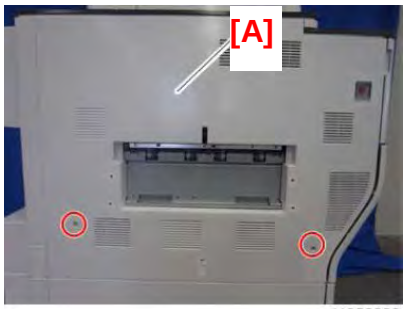
12

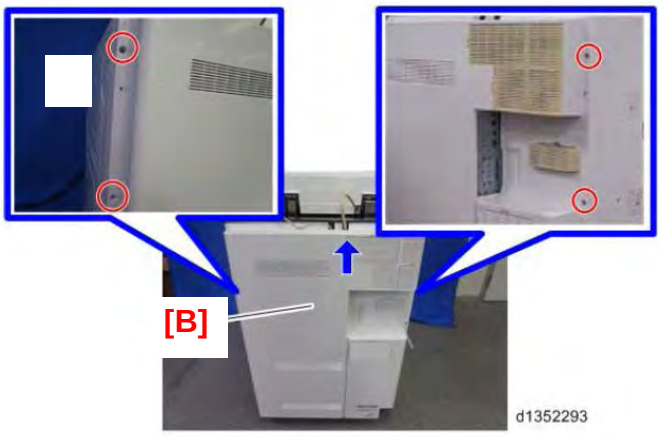
2.37.2 COMMON INSTALLATION PROCEDURE FOR FINISHER SR4090 / BOOKLET FINISHER SR4100 AND FINISHER SR4110

⚠CAUTION

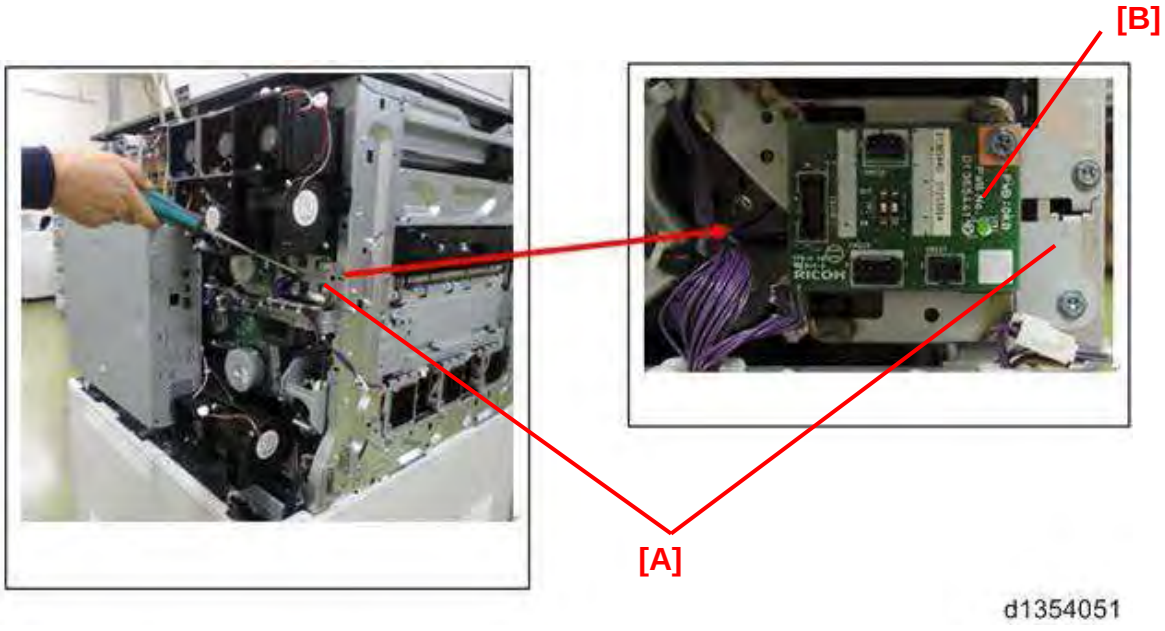
- Always switch the machine OFF and unplug the machine before doing the following procedure.

1. Remove the Left Middle Cover [A] (🔩 x 2) and Rear Middle Cover [B] (🔩 x 4).

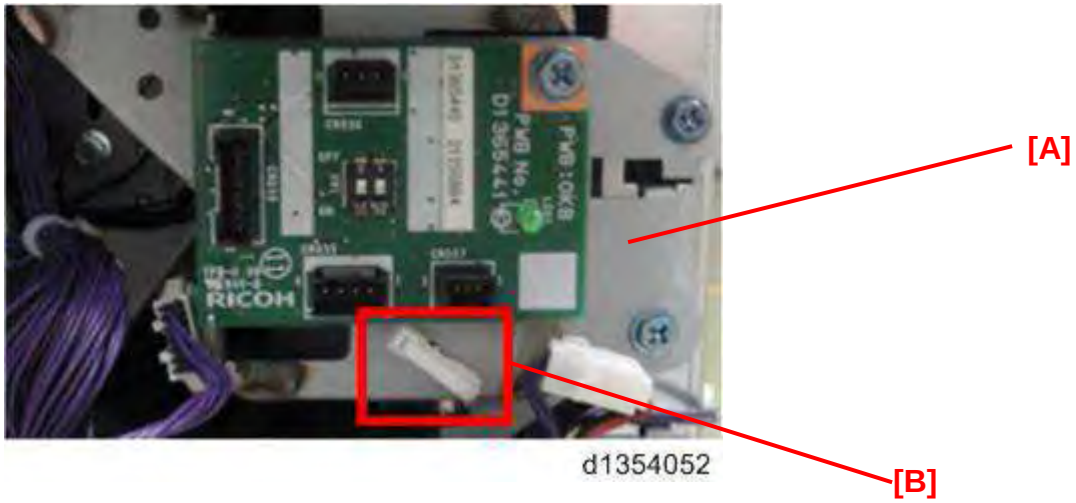




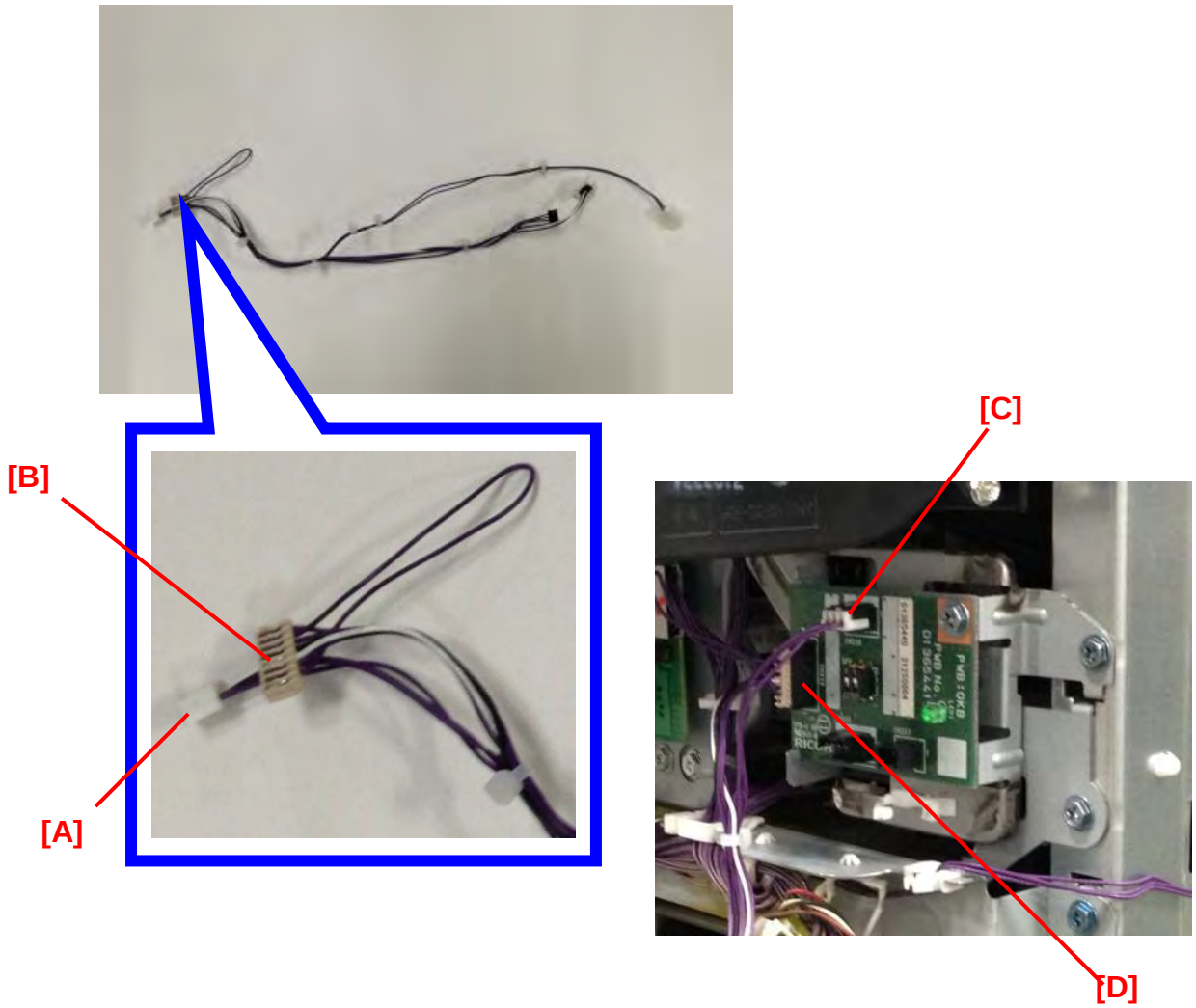
2. Attach the PCB: OKB [B] to bracket [A] (M3X6 tapping 🔩 x 1/ accessory #7).



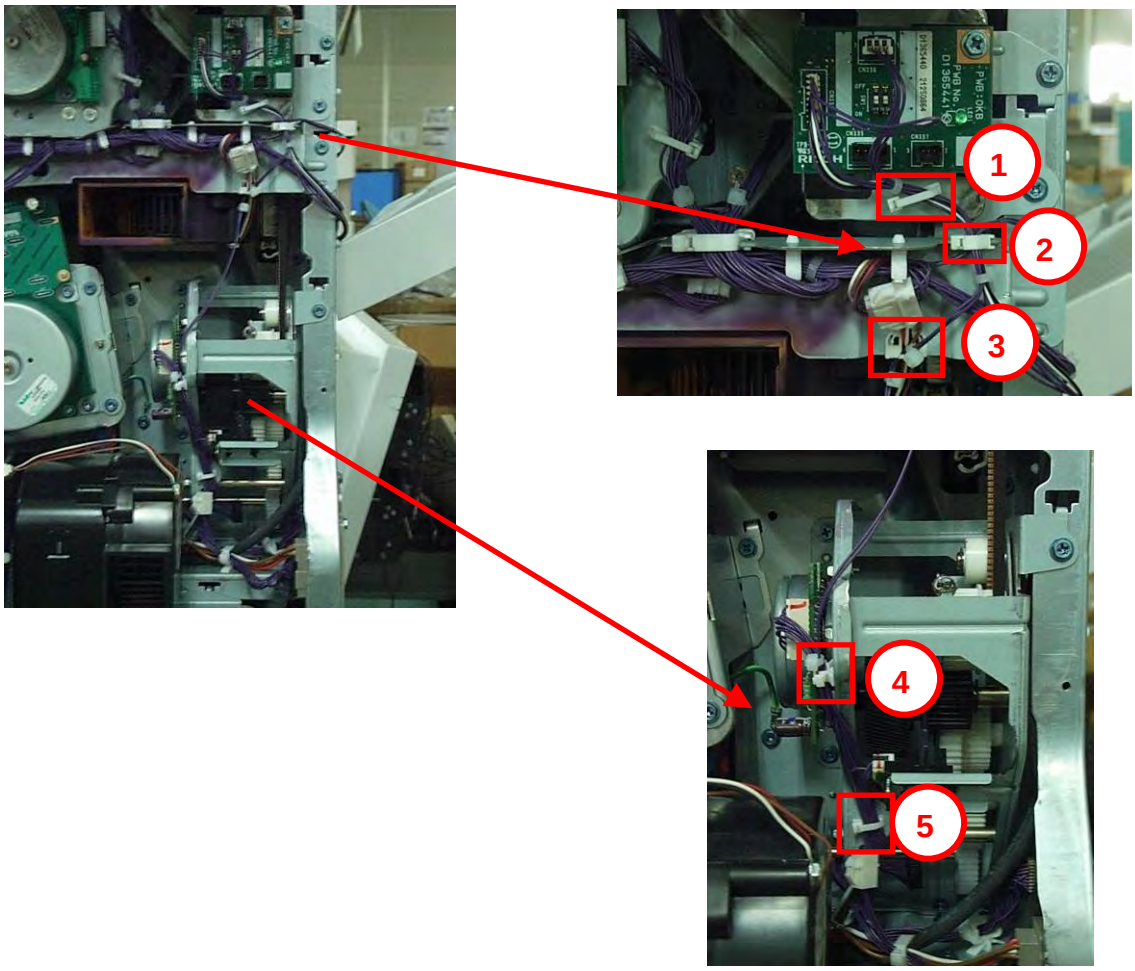
3. Attach the Wire Saddle: LWSM-0511A [B] (accessory #8) to the bracket [A].



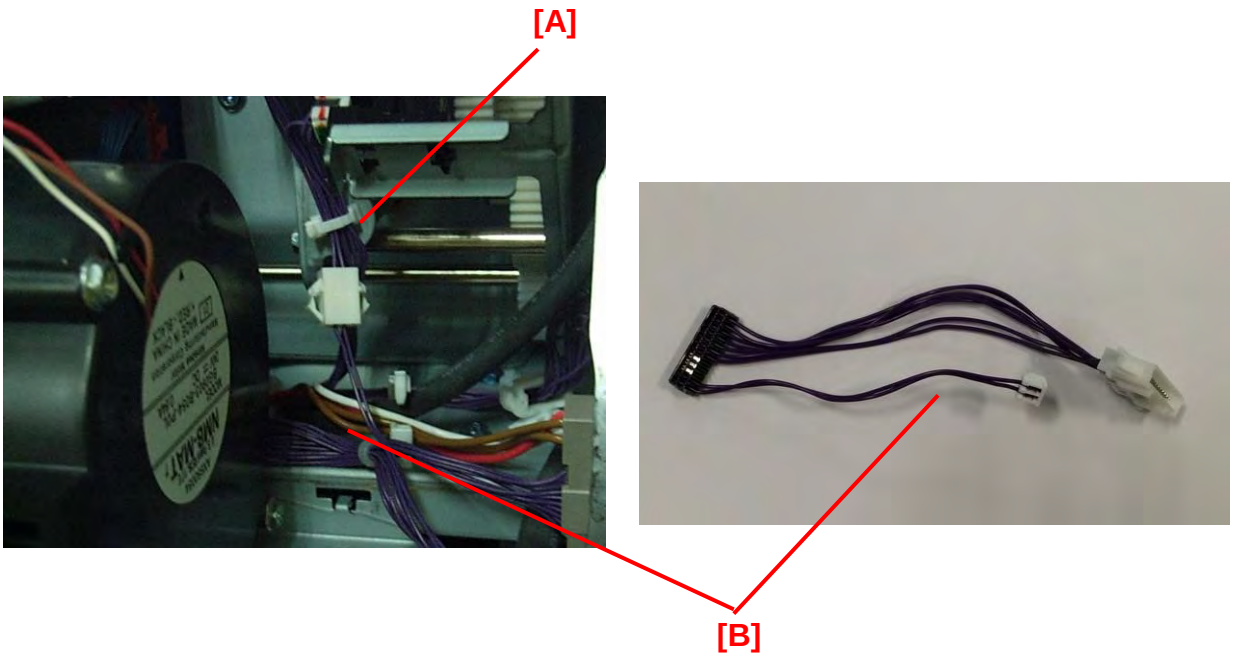
4. Connect the s [A] and [B] of the Harness: Fan: Separation (accessory #5) to [C] and [D] on the PCB:OKB.



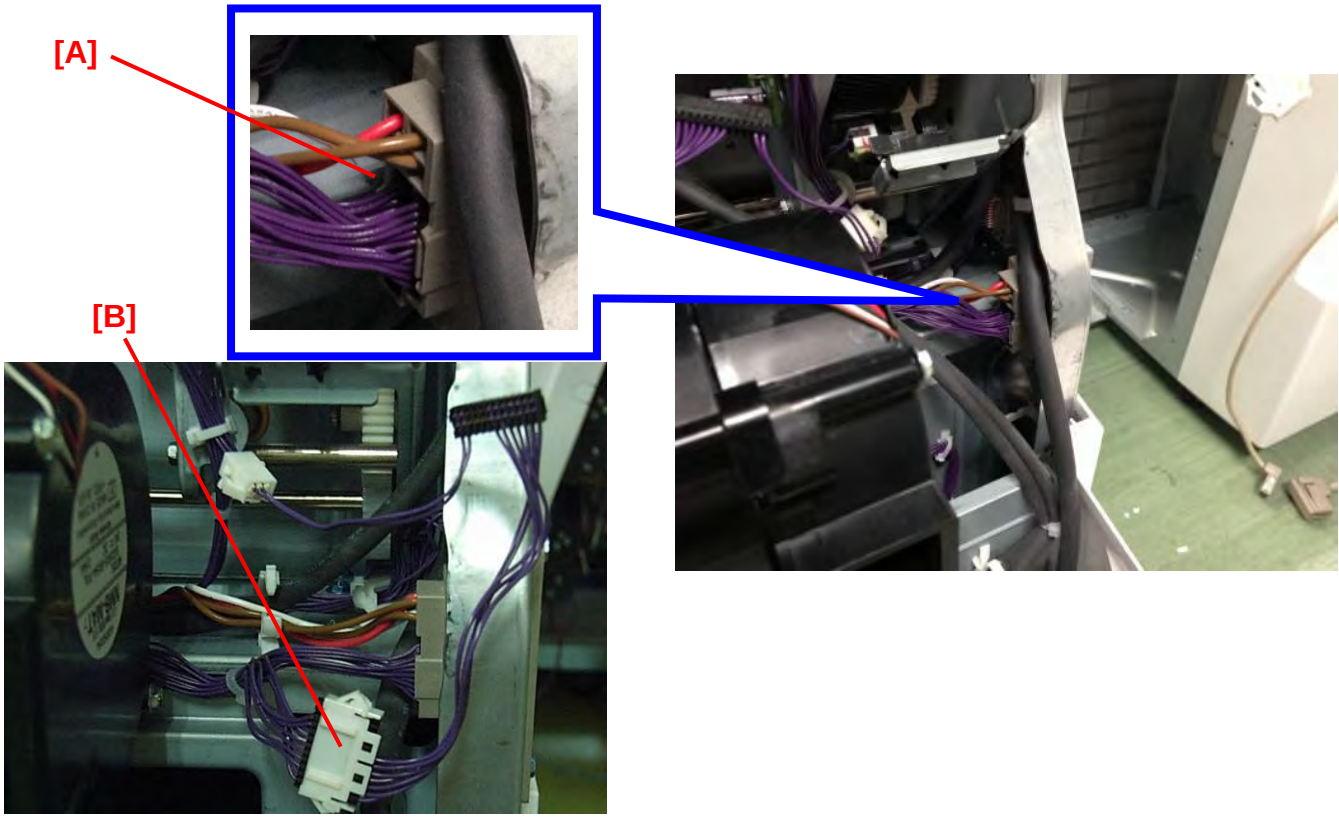
5. Lock harness [A] Harness: Fan: Separation (accessory #5) with harness clamps (x 1 – 5).



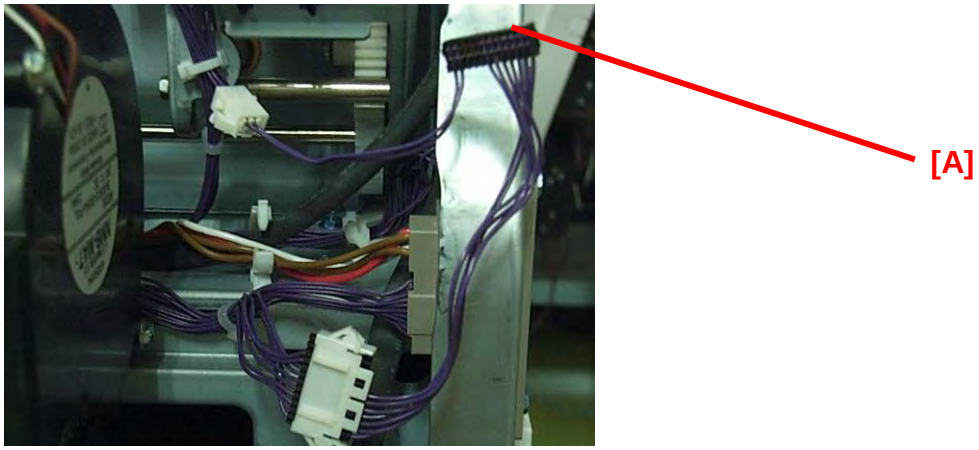
6. Connect the harness [A] Harness: Fan: Separation (accessory #5) clamped in step 5 to the ☞ [B] of Harness: Fan (accessory #6)" .

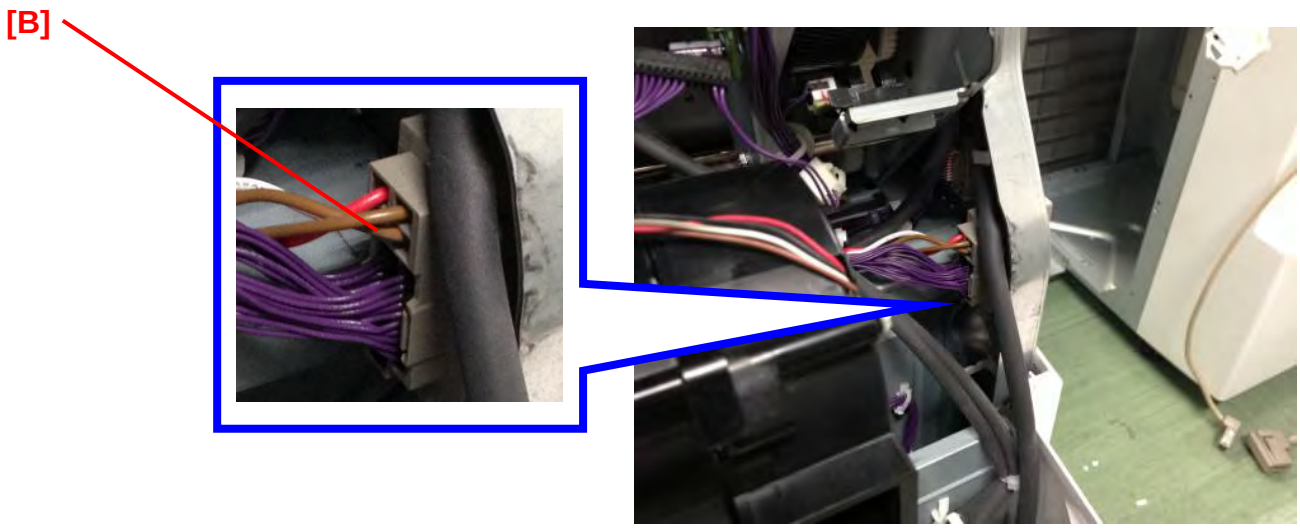


7. Disconnect the ☞ [A], then connect [A] to the ☞ [B] of the Harness: Fan (accessory #6) connected in step 6.

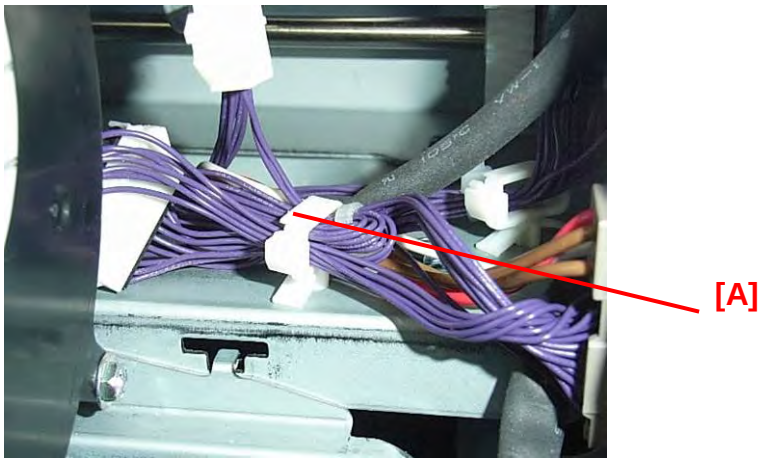


8. Connect the remaining [A] of the Harness: Fan (accessory #6)" to [B].

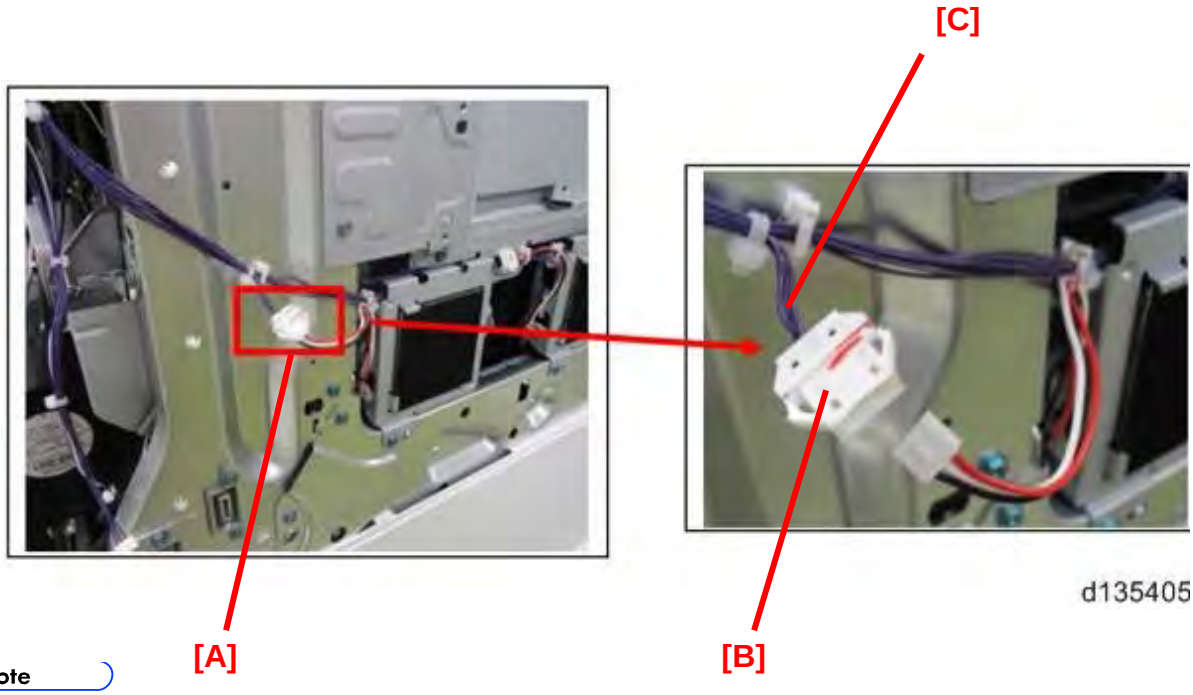




9. Lock the Harness: Fan (accessory #6) with the [A] as shown.



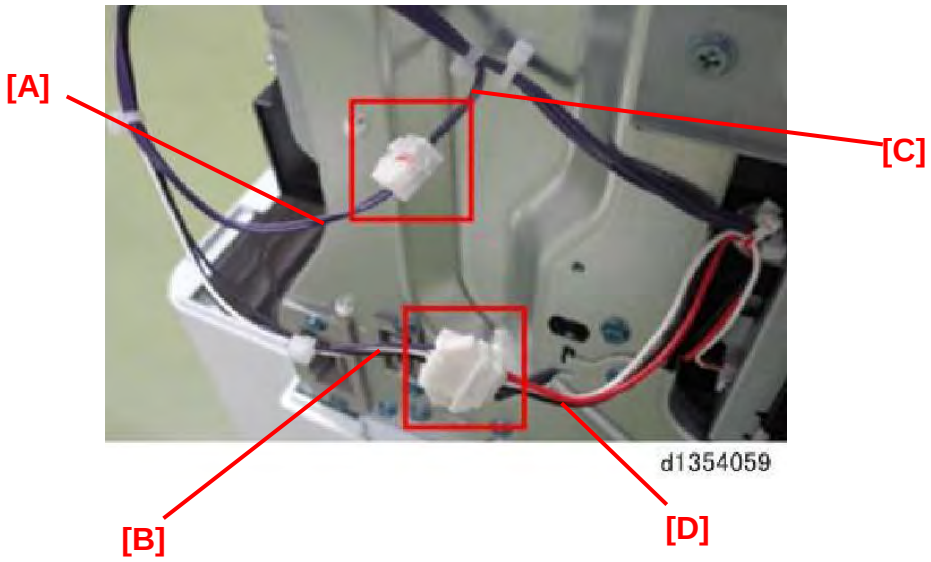
10. Disconnect [A].



Note

- When disconnecting the white relay [B], make sure it remains connected to the connector attached to the purple harness [C]. If it remains connected to the connector attached to the red, white and black harnesses, harnesses could be connected incorrectly in the following steps.

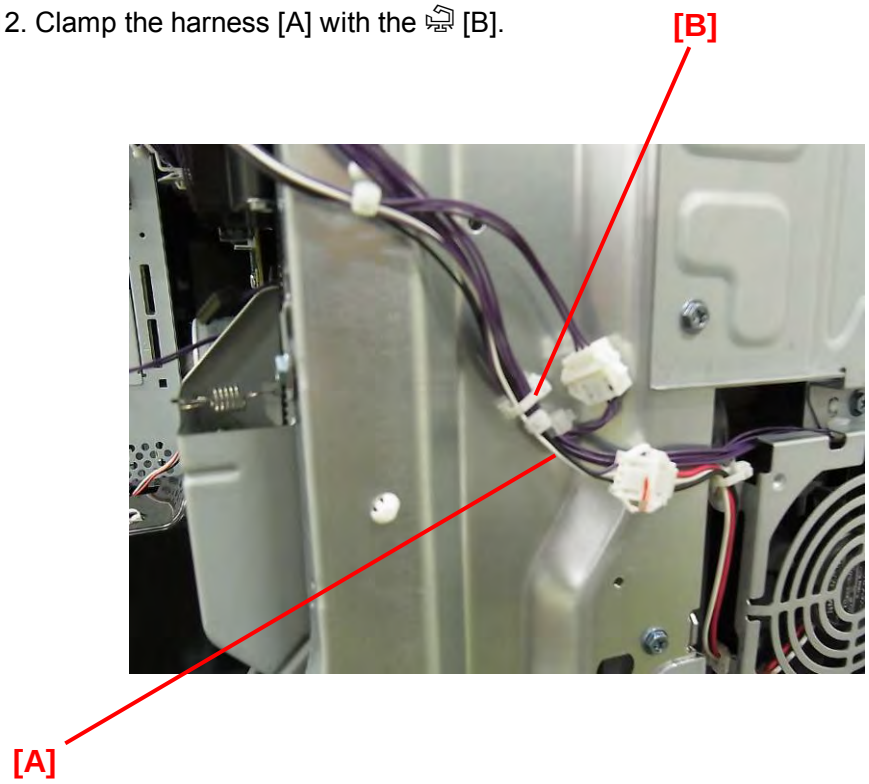
11. Connect the remaining s [A] and [B] of the Harness: Fan: Separation (accessory #5) to s [C] and [D] disconnected in step 10.



Note

- Harnesses [A] and [C] should be purple.
- Harnesses [B] and [D] should be different colors.

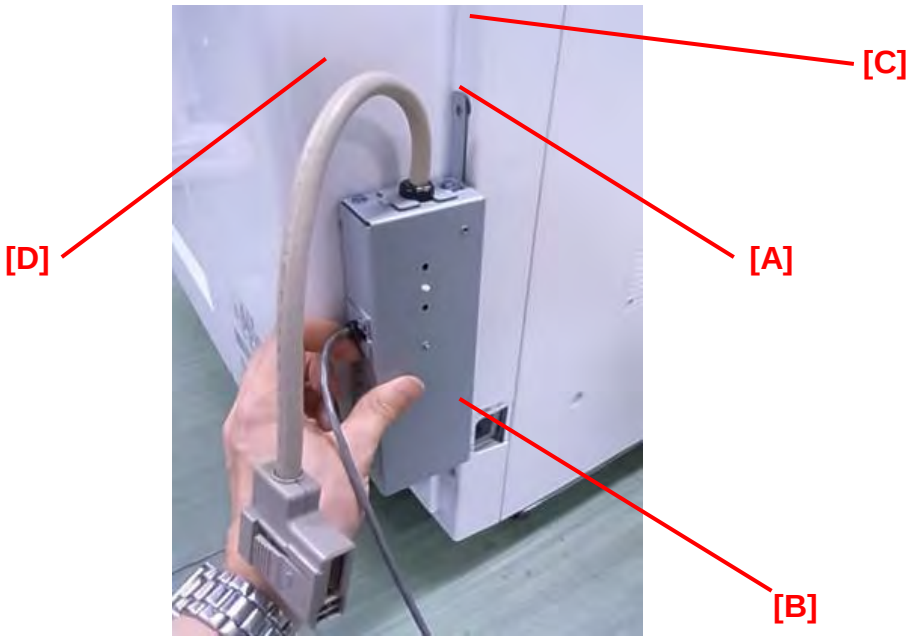
12. Clamp the harness [A] with the [B].



13. Attach the Left Middle Cover (x 2) and Rear Middle Cover (x 4).

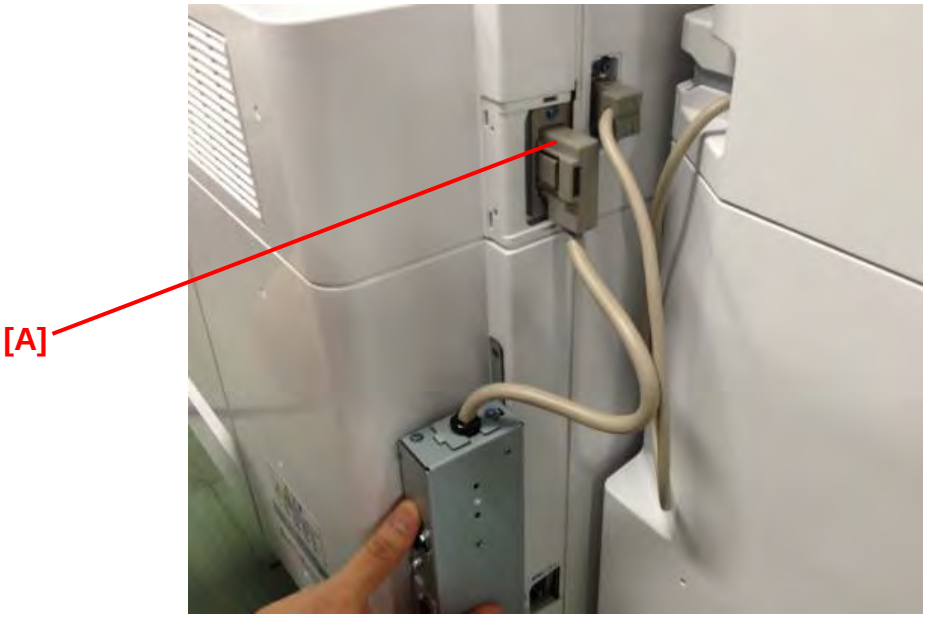
14. Peel off the tapes from the Velcro [B] attached to the Interface Unit [A] (accessory #2).

15. Align the screw hole [A] against the surface of the cover [C], and attach the Interface Unit [B] with its Velcro against the surface of the cover [D].



16. Attach the interface unit [A] to the Lower Left Cover with M3X16 (accessory #3).

17. Connect [A] to the copier.

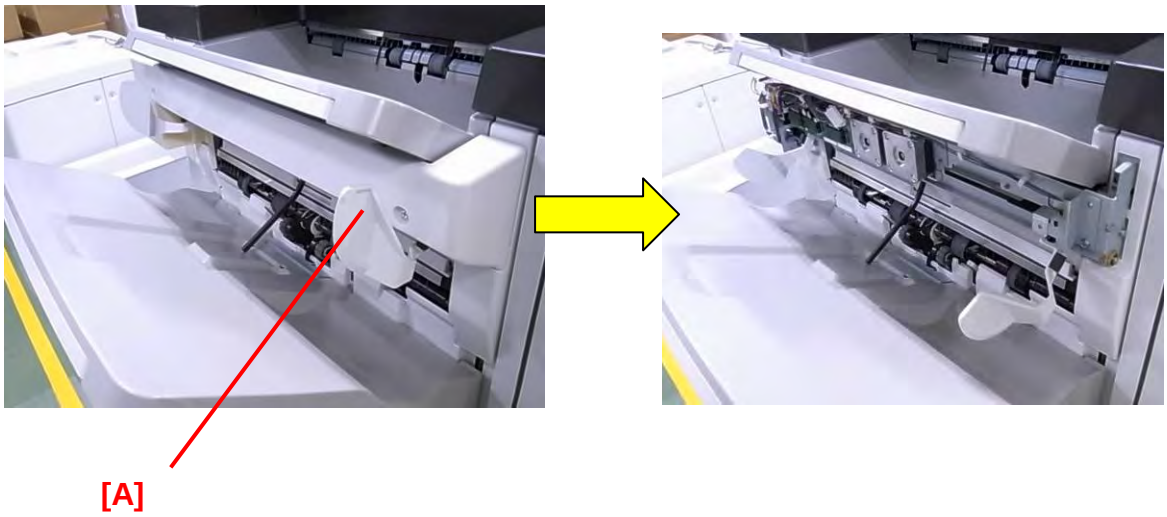


2.37.3 INSTALLATION PROCEDURE FOR FINISHER SR4090/ BOOKLET FINISHER SR4100

Note

- Installation Procedure for Finisher SR4110 starts from step No.28.

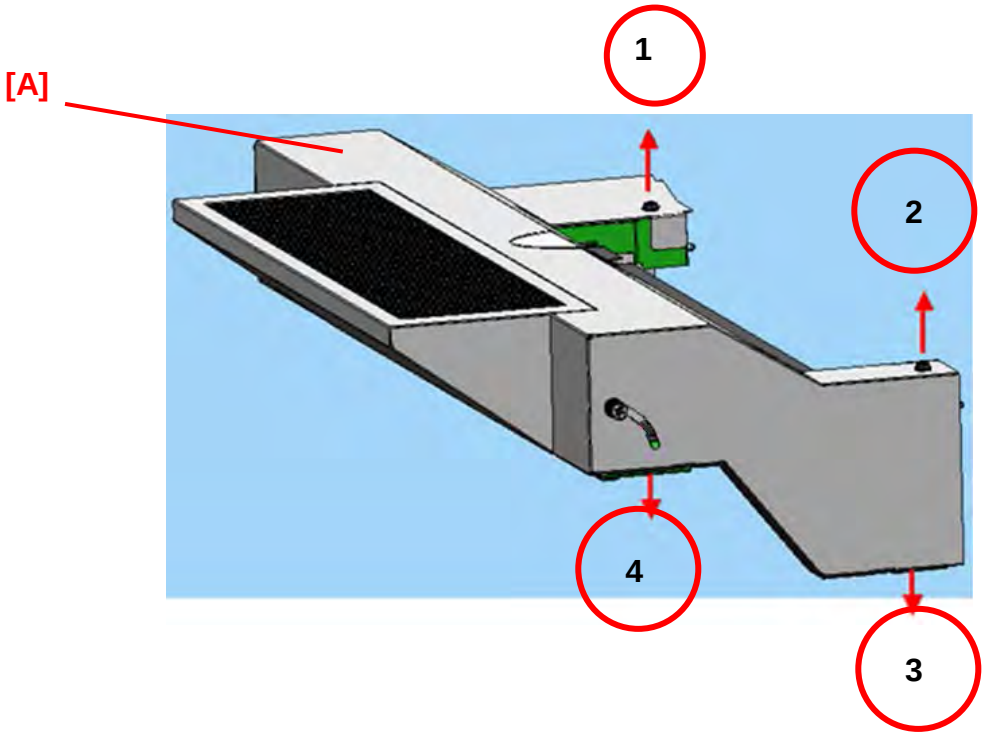
18. Remove the cover [A] from the Output Jogger Unit Type M2 (🔩 x 2).



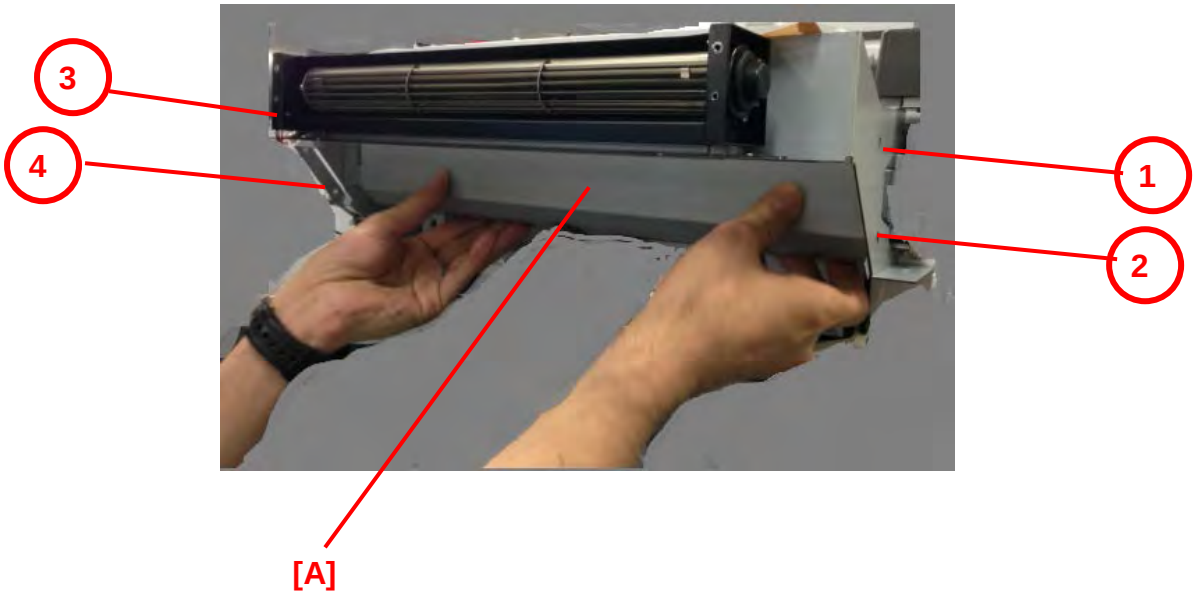
Note

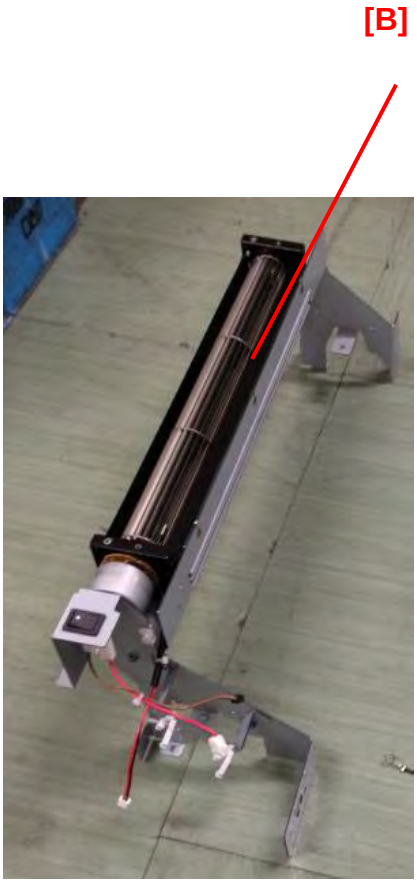
- The removed cover will not be used.

19-1. Remove the cover [A] from the Cooling Fan Assembly (🔩 x 4).

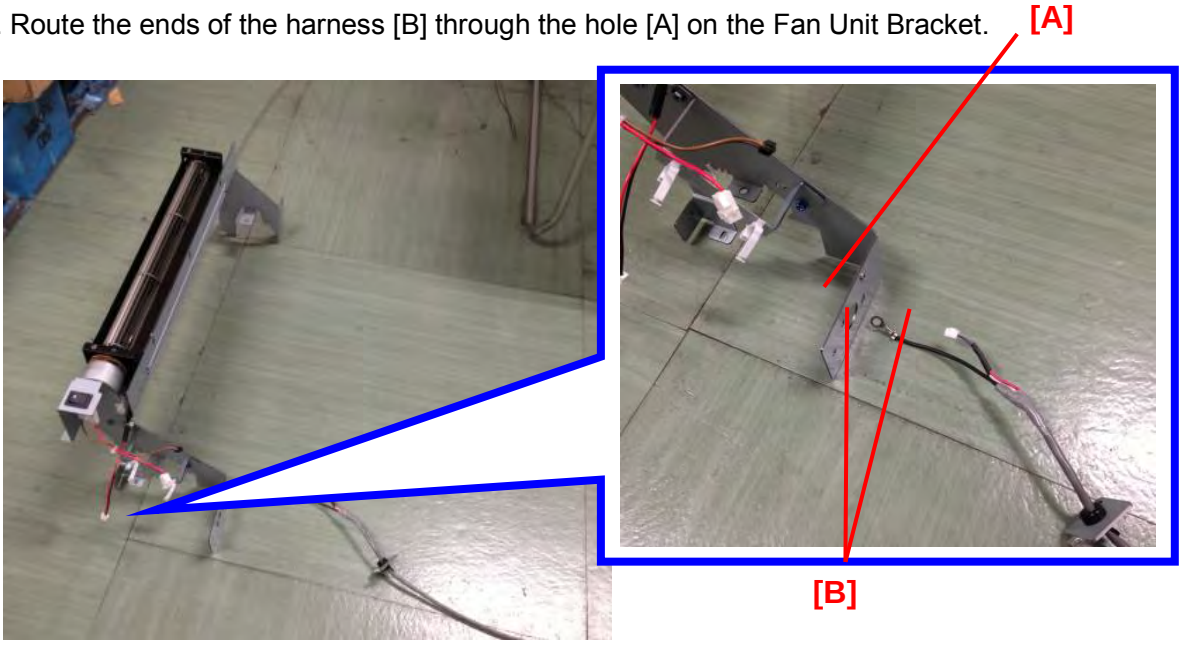


19-2 Remove the cover [A] and take out the Cooling Fan Unit [B] (🔩 x 4).

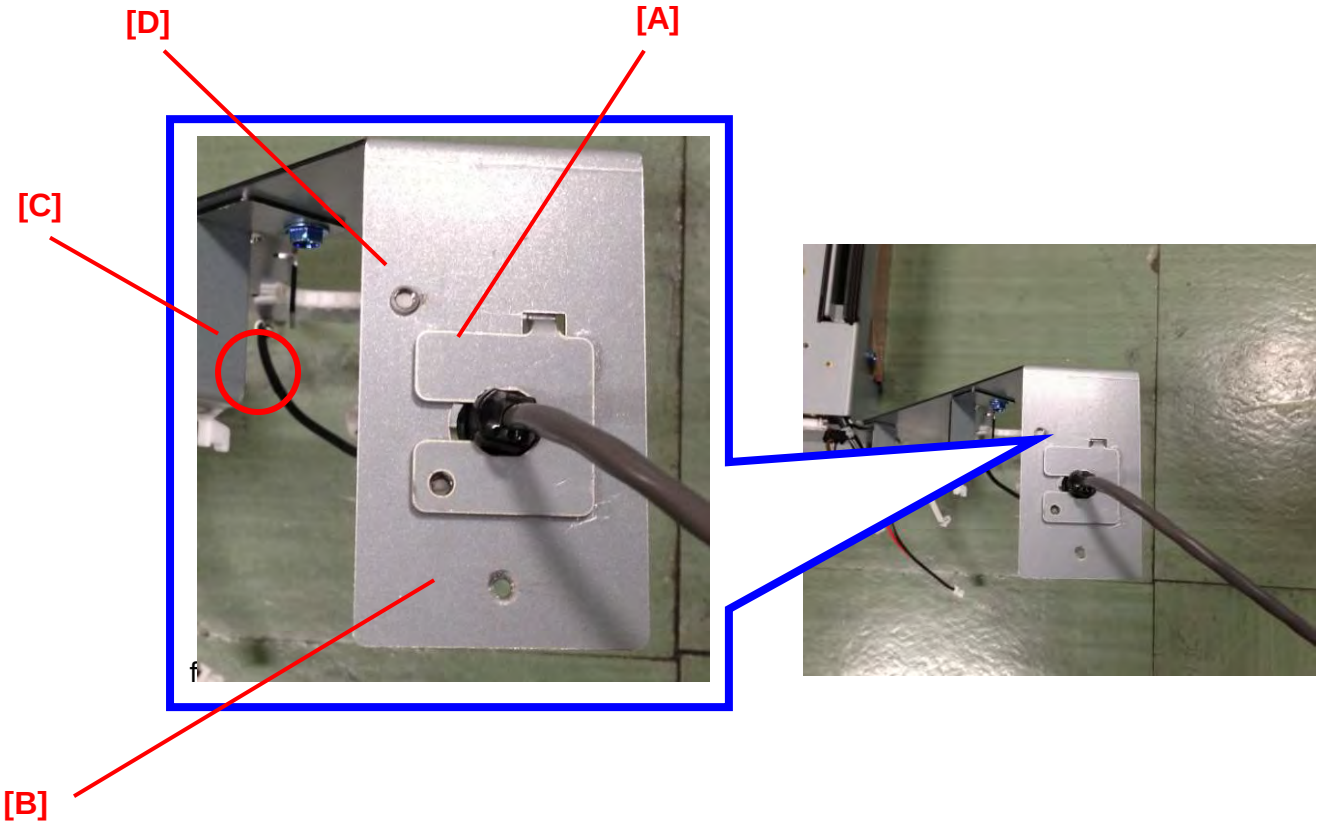




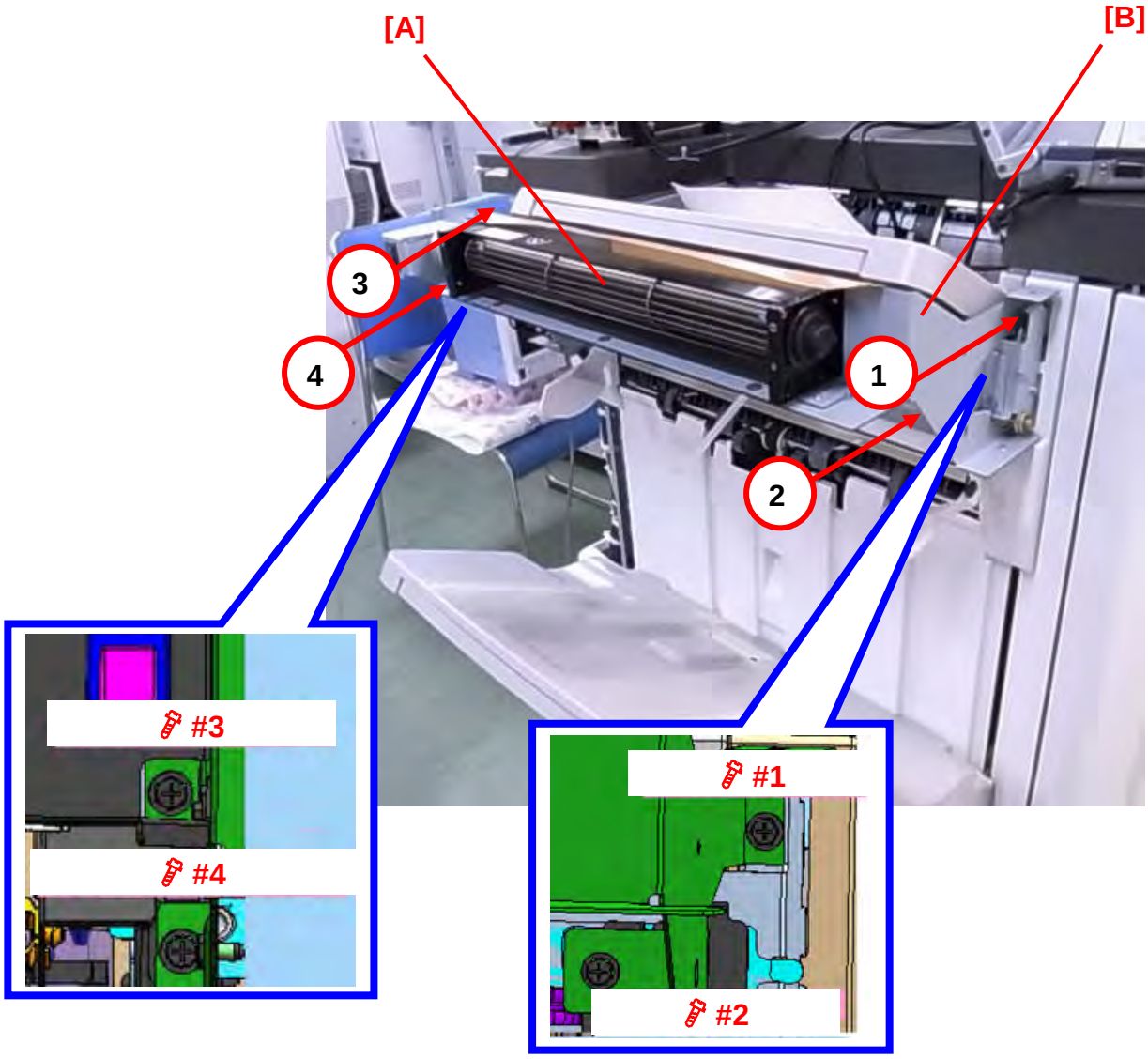
20. Route the ends of the harness [B] through the hole [A] on the Fan Unit Bracket.



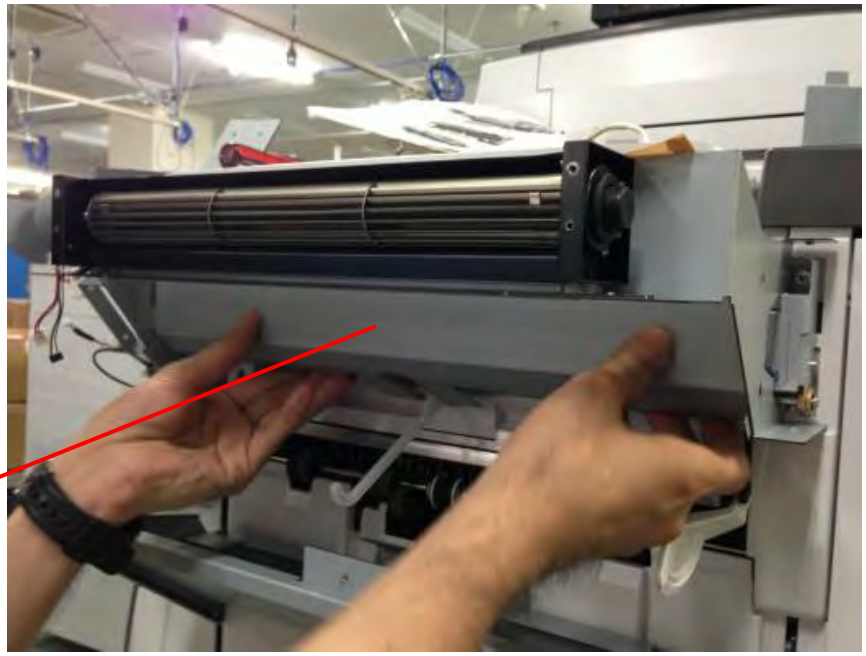
21. Attach the bracket [A] by fastening the (M3X6; x1) to the hole [B]. Then, fix the ground wire [C] to the hole [D] with (M3X6; x1).

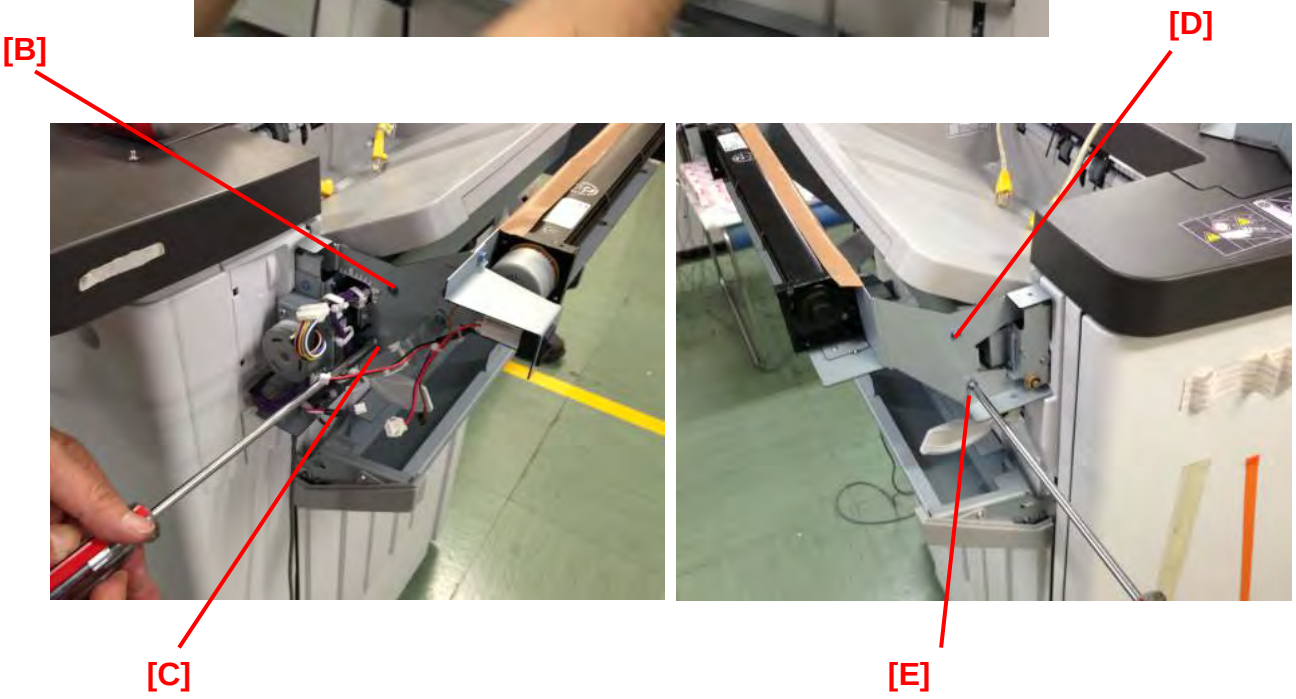


22. Mount the fan unit [A] on the Output Jogger Unit Type M2 [B] (☞ x 4).
    - ☞ #1 and #3 will fasten the Fan Unit, Output Jogger Unit and copier.
    - ☞ #2 and #4 will fasten the Fan Unit and Output Jogger Unit.

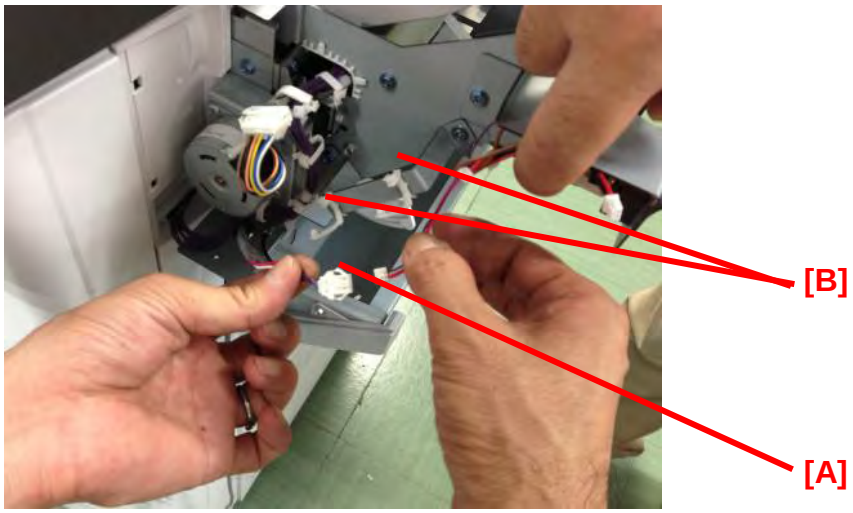


23. Attach the cover [A] removed in step 19-2 （ x 4; [B], [C], [D] and [E]）.



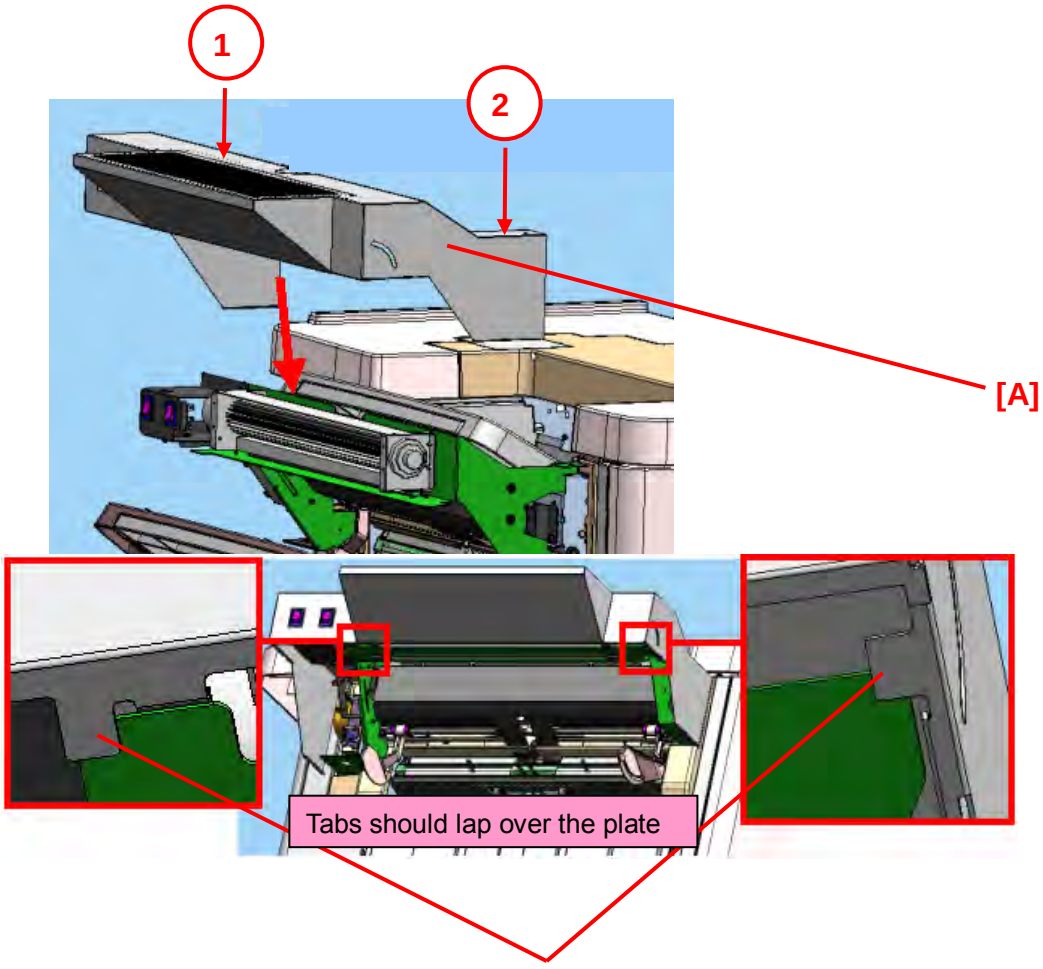


24. Connect the harness of the fan unit [A]. Clamp the harness with the [B].

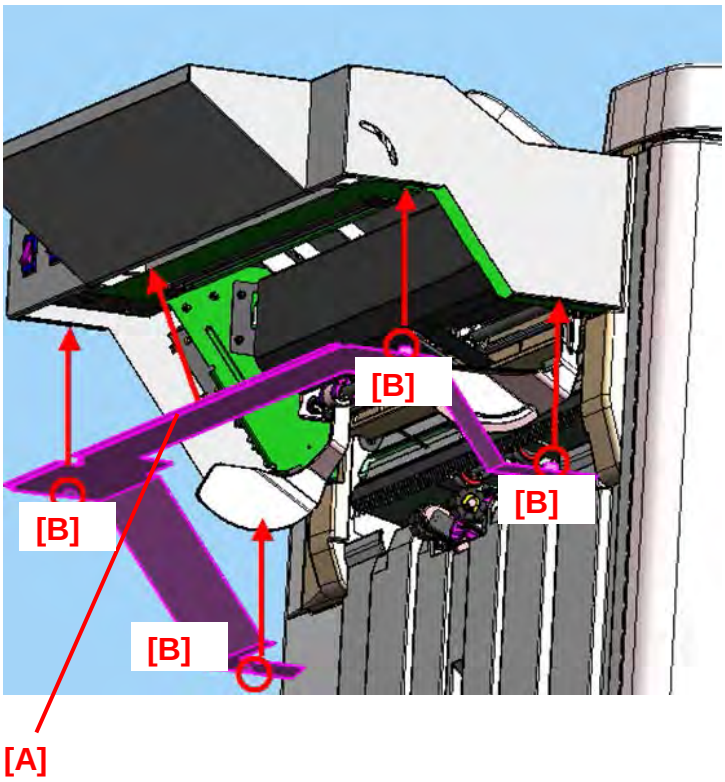


25. Attach the cover of the Cooling Fan Unit (x 2).

    Make sure the tabs on both sides of the cover [B] (colored in grey) lap over the plate (colored in green).



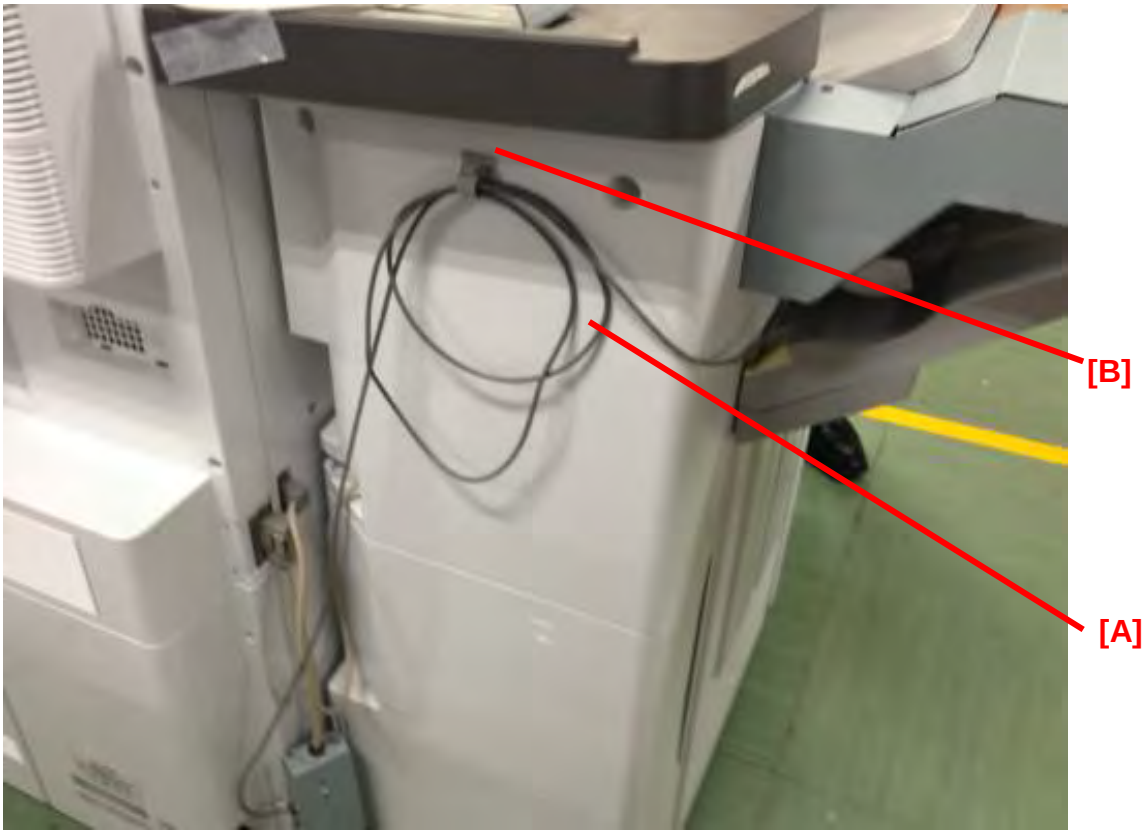
26. Insert the 4 tabs [B] to the Upper Cover to attach the cover [A].



27. Bind the Interface Unit Harness [A] and clamp it with the Locking Wire Saddle CKN-13 [B] (accessory #4) as shown.

Note

- Depending on the number of options installed between the copier and Finisher SR4090/SR4100, 3 pcs of Locking Wire Saddle CKN-13 might be needed to clamp the harness.

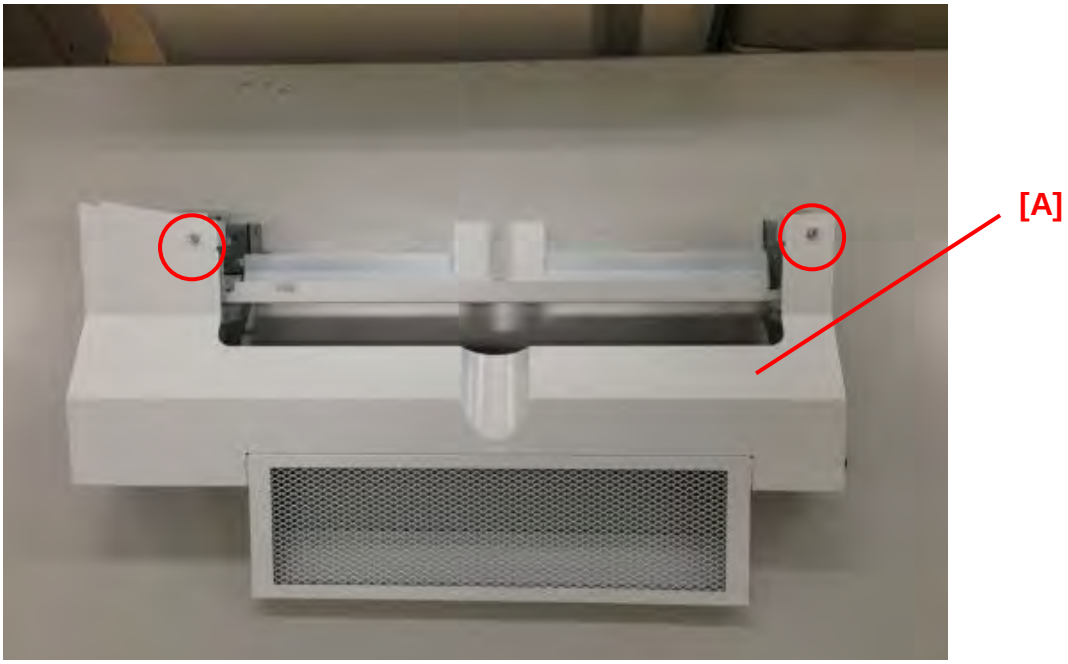


2.37.4 INSTALLATION PROCEDURE FOR FINISHER SR4110

Note

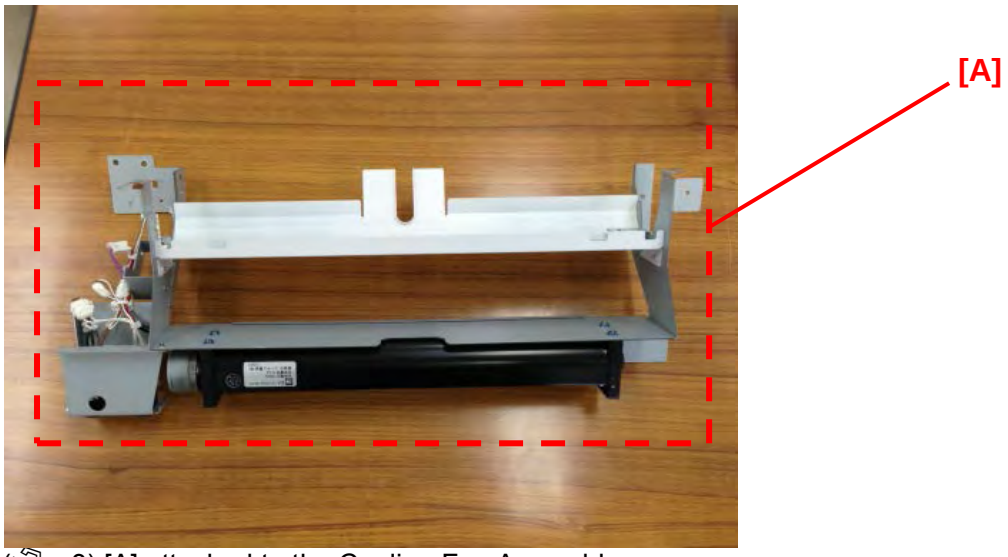
- Installation Procedure for Finisher SR4090 /Booklet Finisher SR4100 starts from step No.18.

28. Remove the Upper Cover [A] from the Cooling Fan Assembly (☞ x 2).

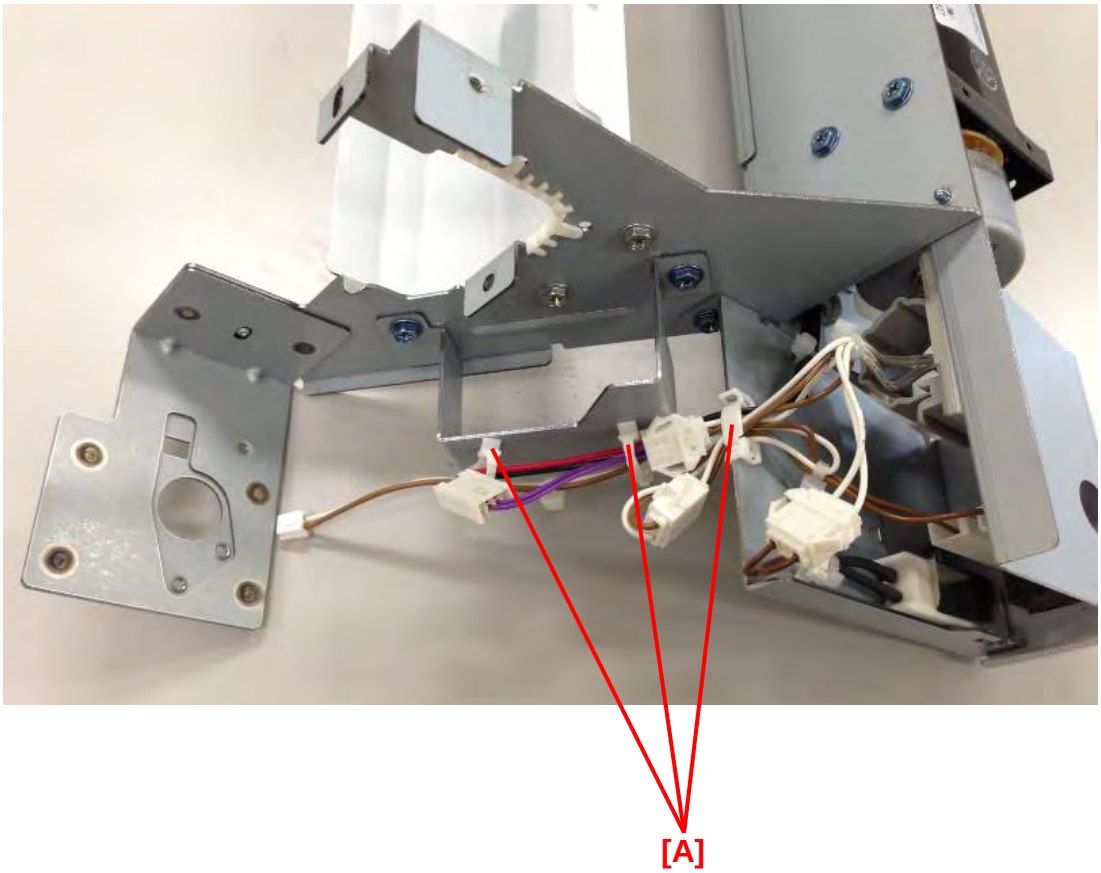


29. Remove the Lower Cover [A] from the Cooling Fan Assembly (☞ x 2).

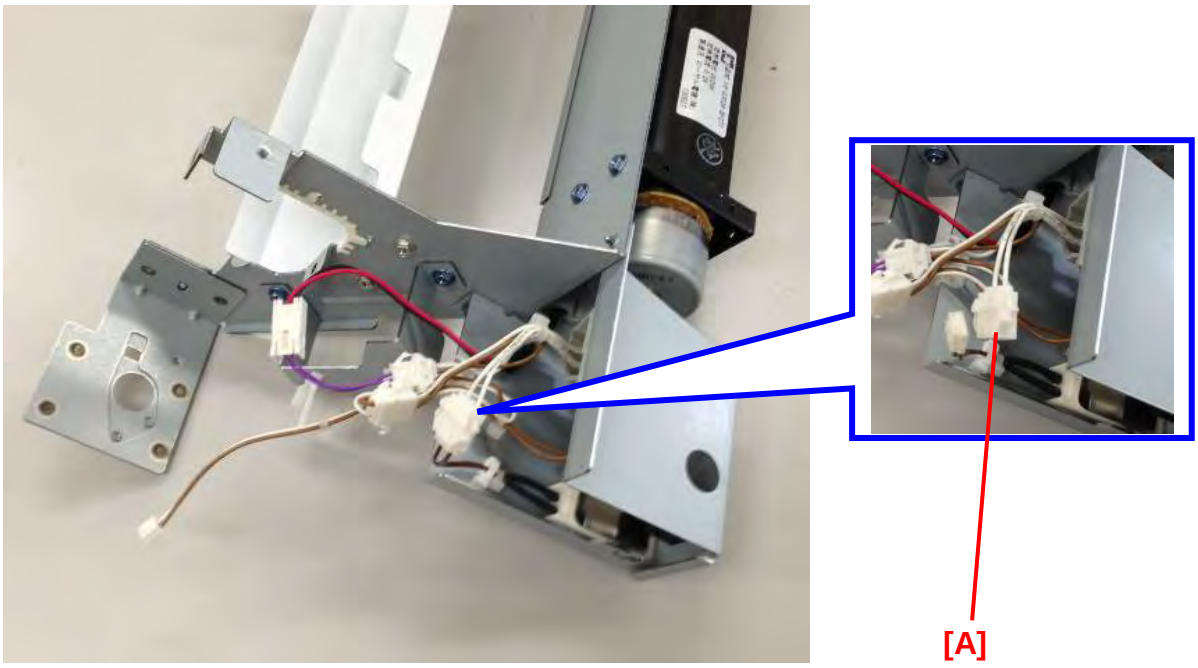
30. Place the Fan Assembly [A] on a table with the Upper and Lower Covers removed.



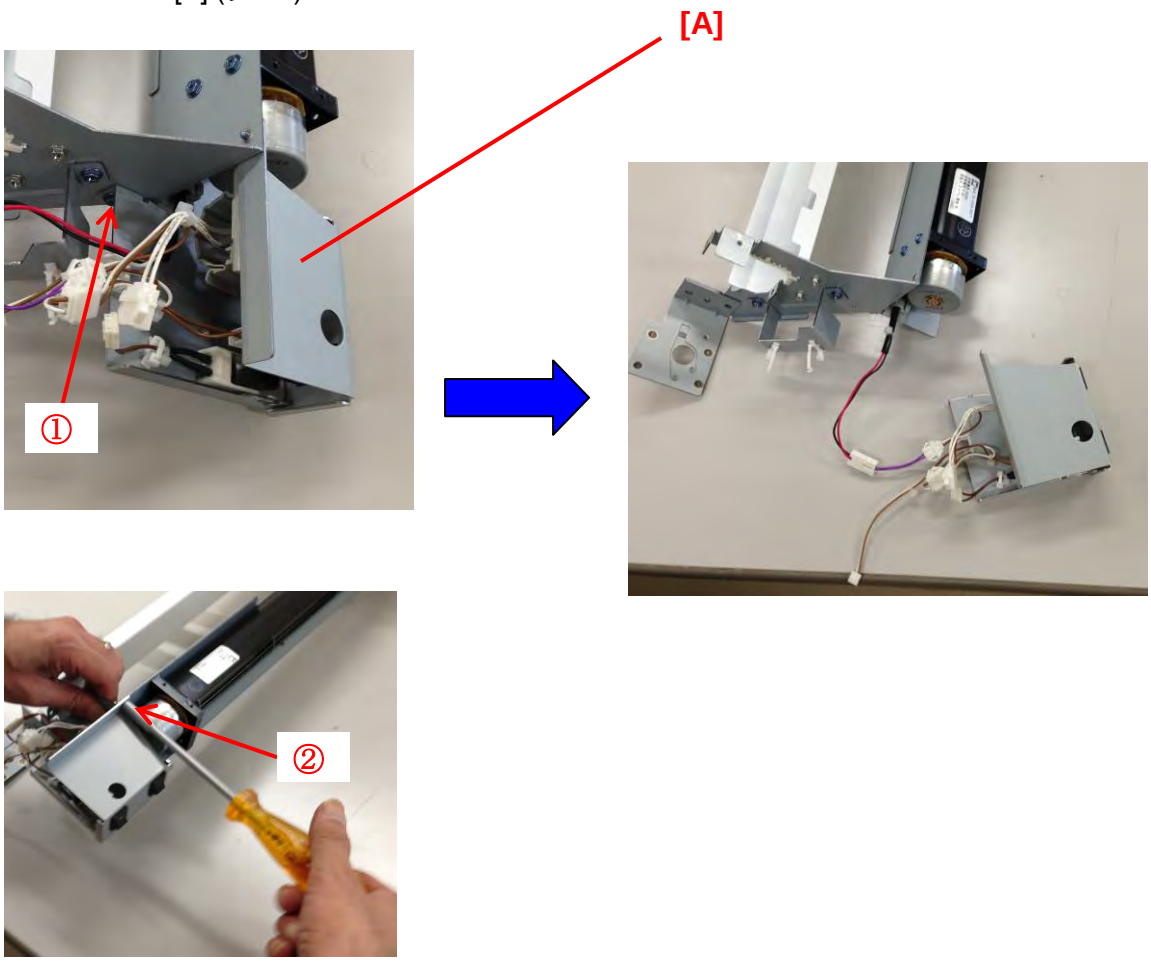
31. Release (x 3) [A] attached to the Cooling Fan Assembly.



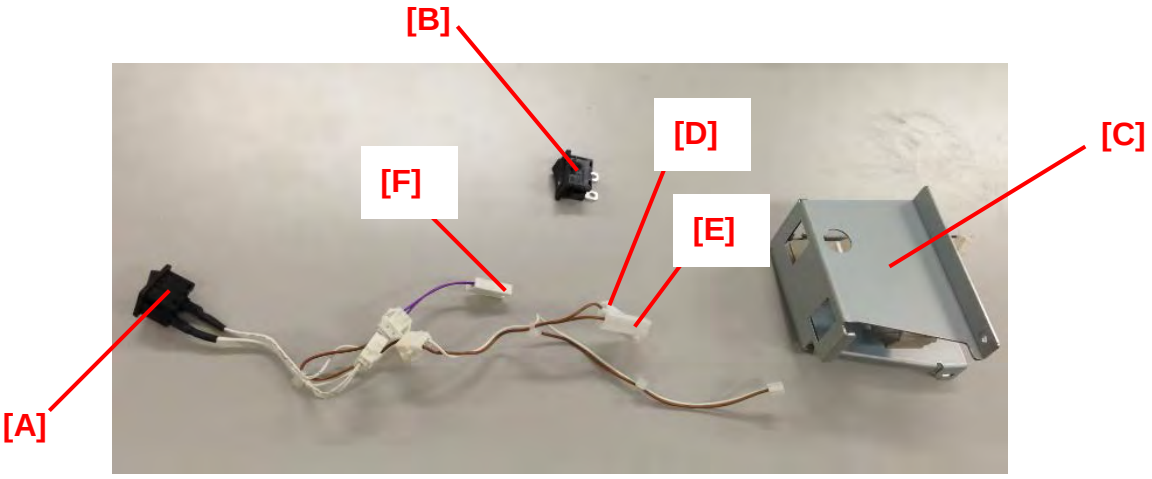
32. Disconnect the [A].



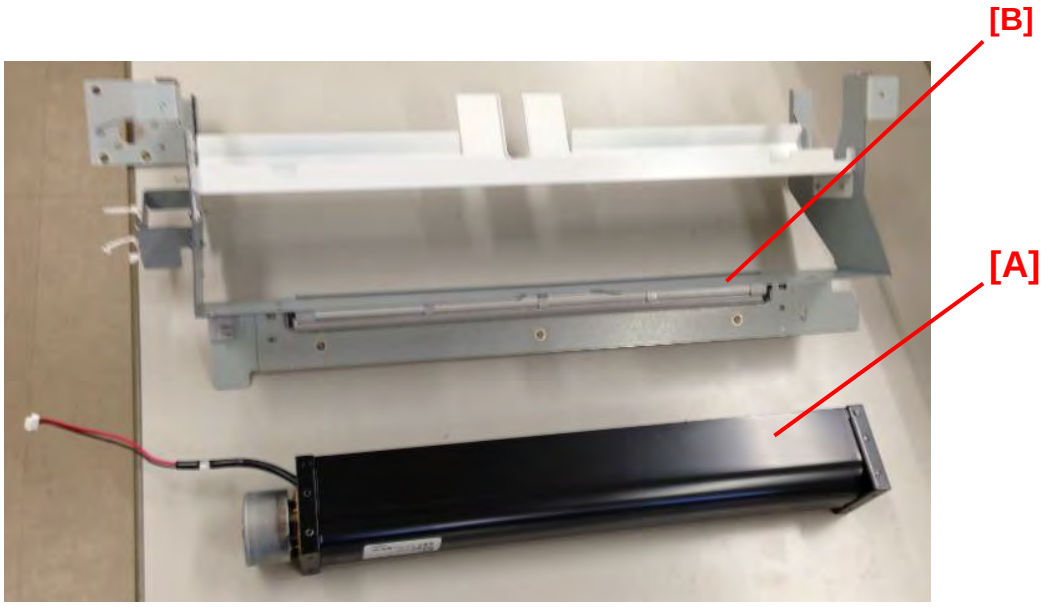
33. Remove the bracket [A] (x 2).



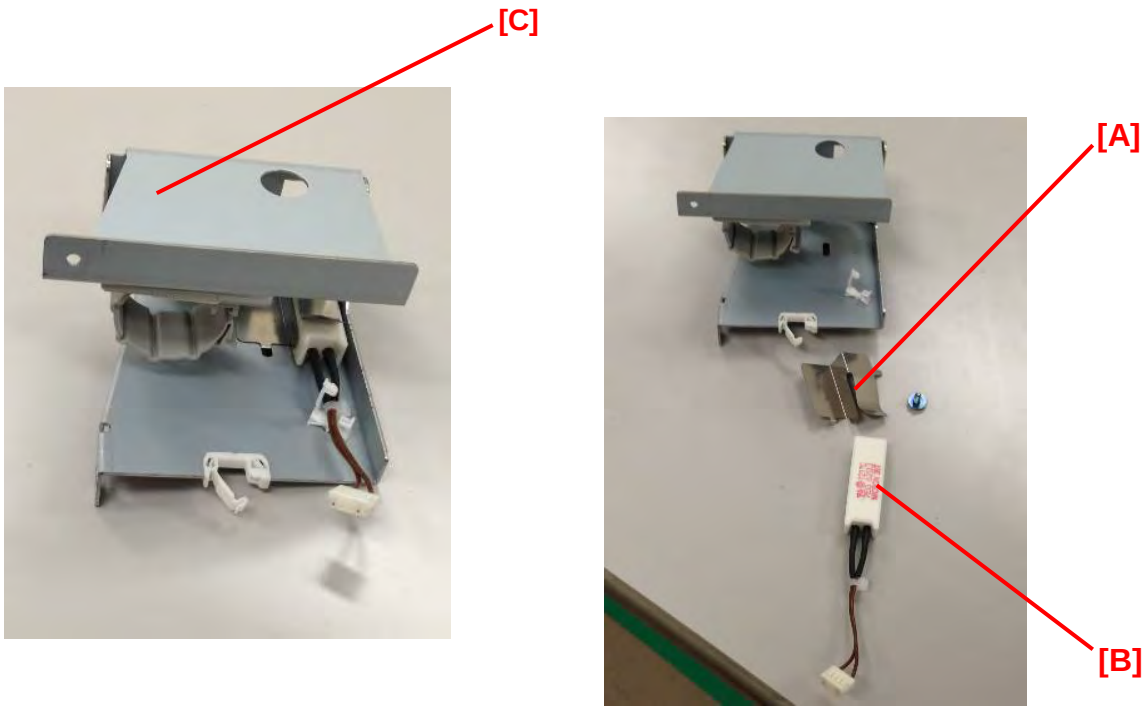
34. Remove the Rocker Switches [A] and [B] from the bracket removed in step 33 ([D], [E] and [F]).



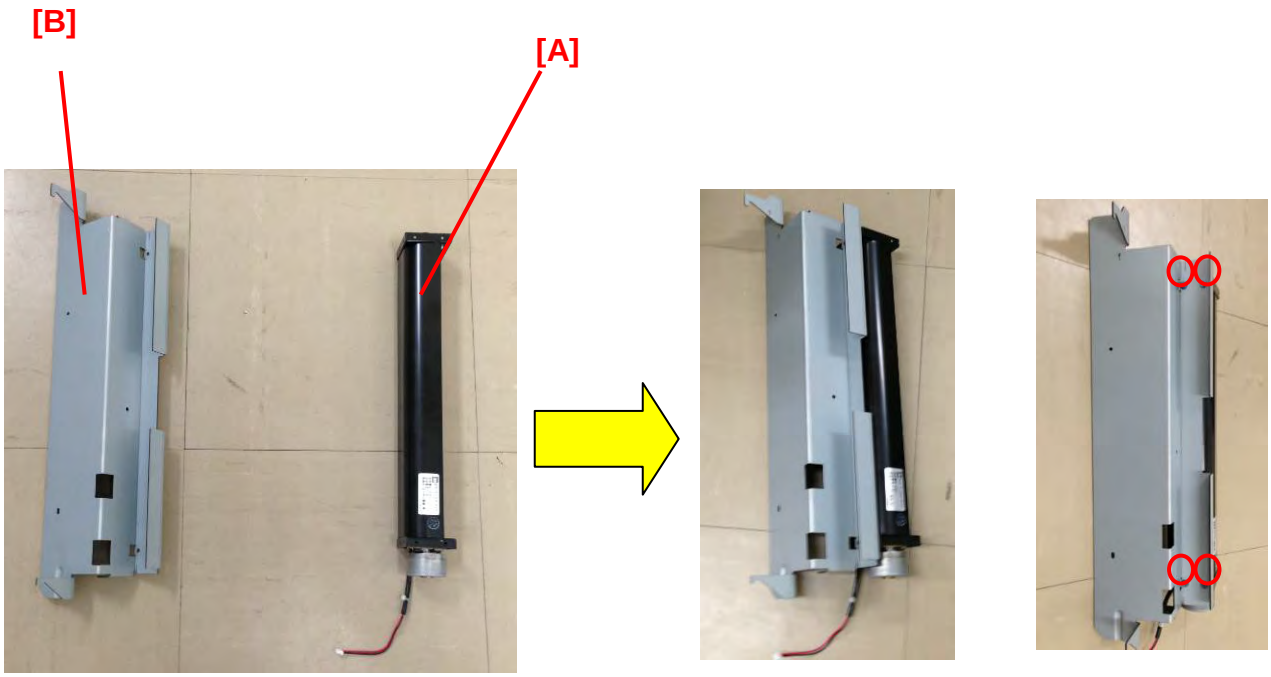
35. Remove the Fan Motor [A] from the bracket [B] (x 4, x 1).



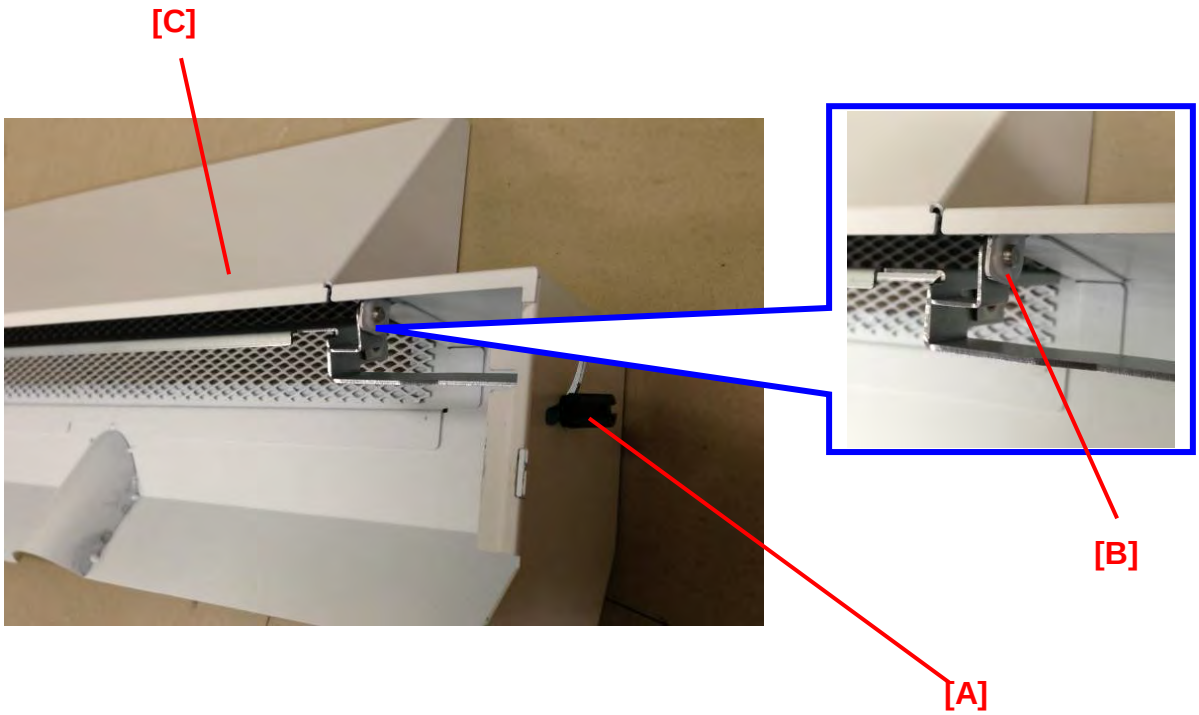
36. Remove the spring plate [A] (x 1) and the resistor [B] from the bracket [C].



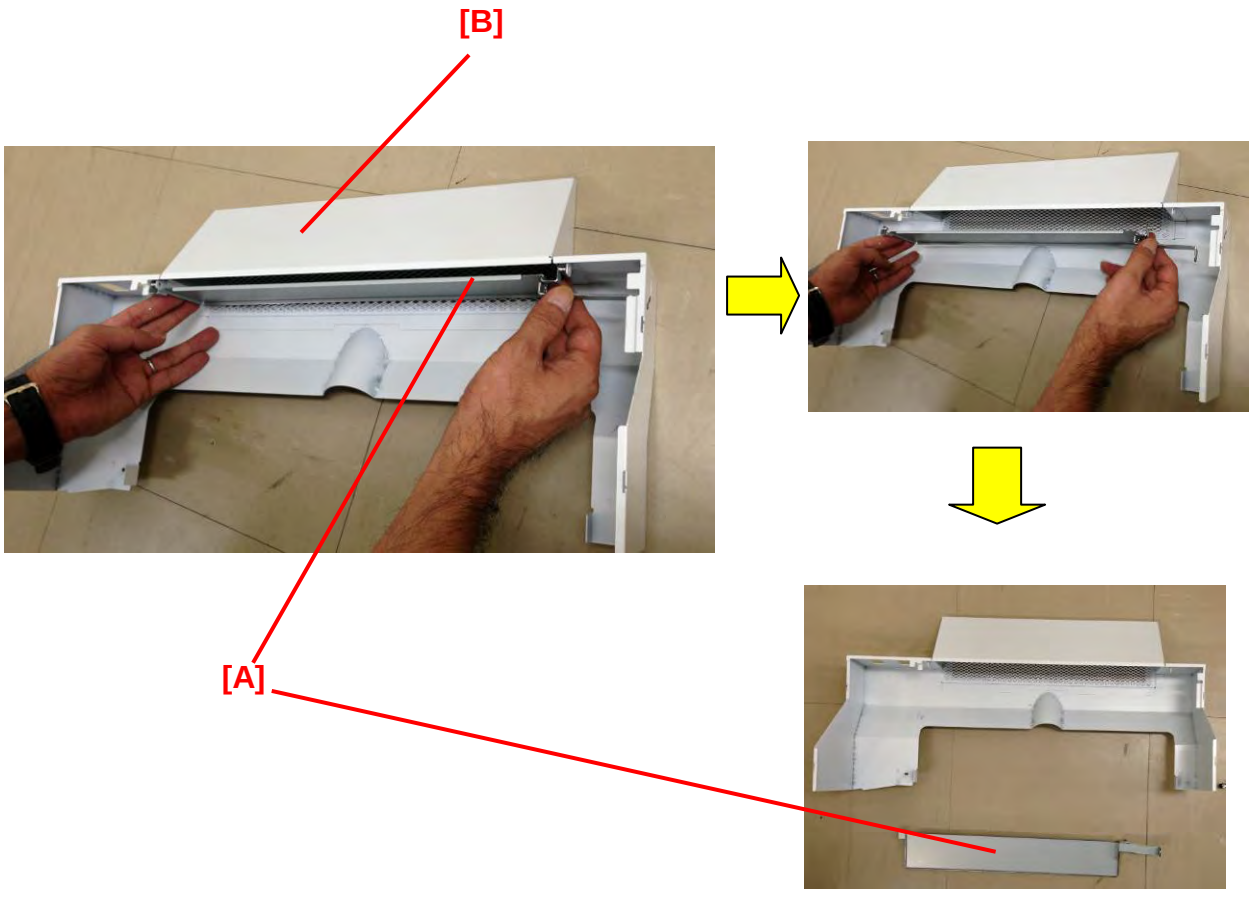
37. Assemble the Fan Motor [A] and bracket [B] (for SR4110) (accessory #10) (x 4).



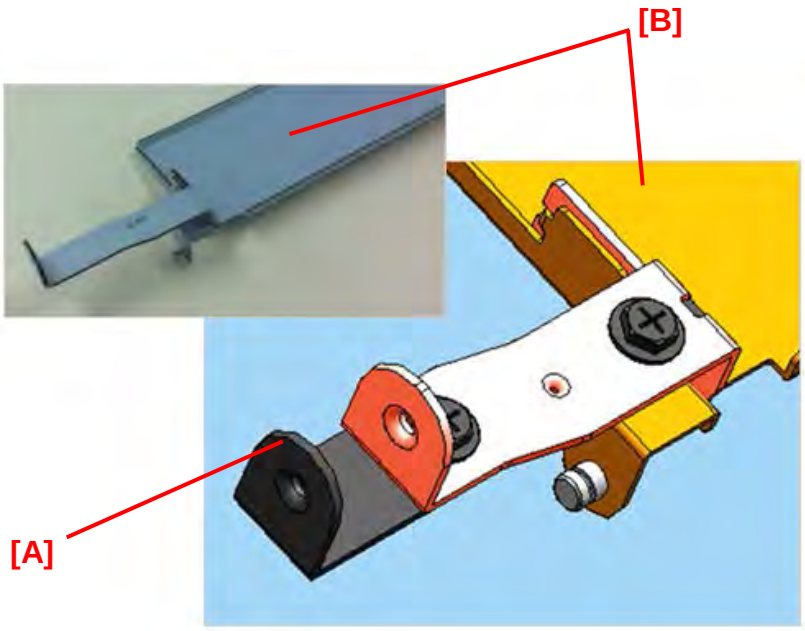
37. Remove the knob [A] and [B] from the Upper Cover [C] removed from the Cooling Fan Unit in step 28.



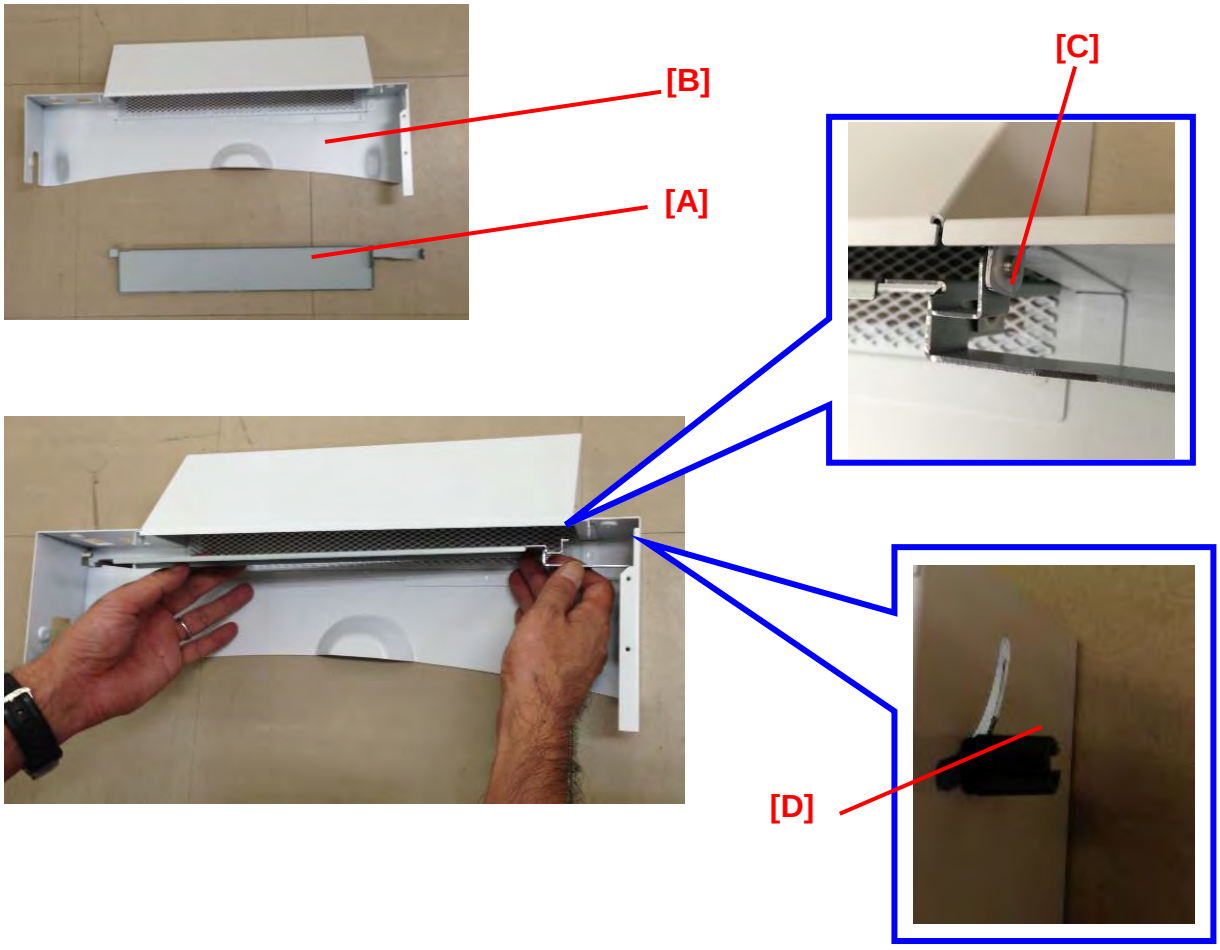
38. Remove the Air Shield [A] from the Upper Cover [B].



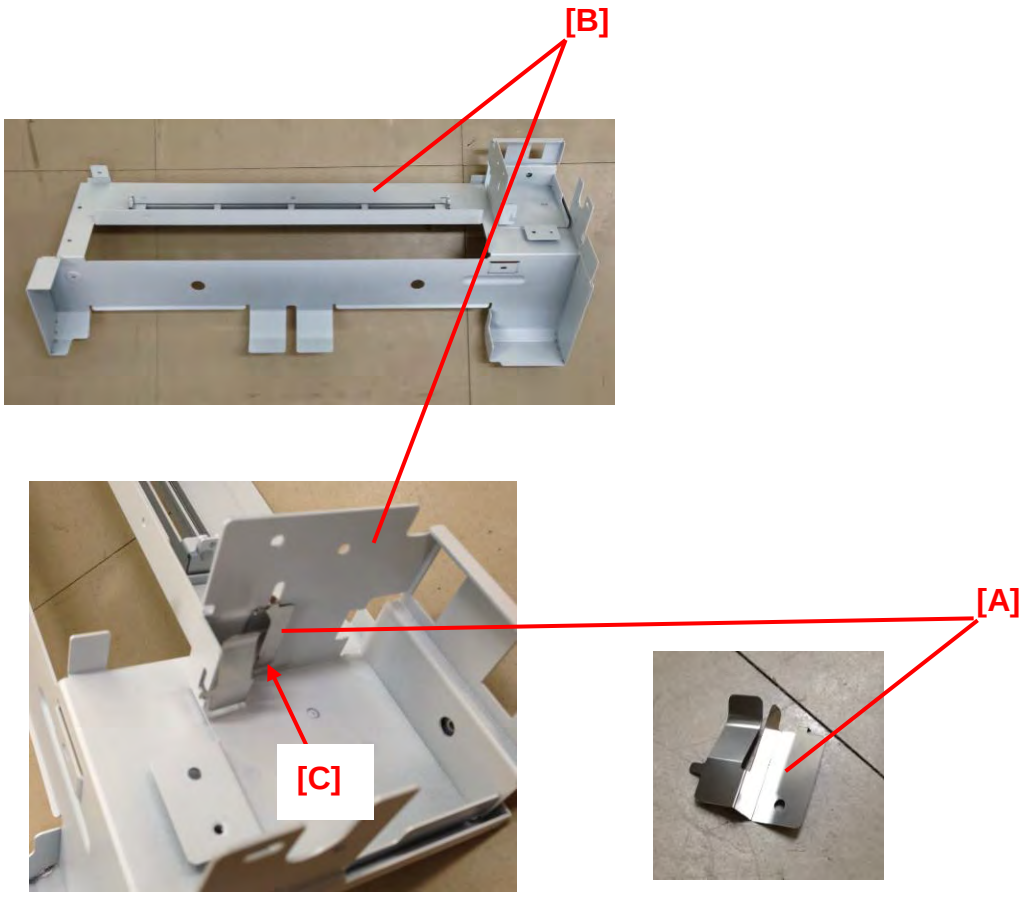
39. Remove the bracket [A] from the Air Shield [B] (x 2).



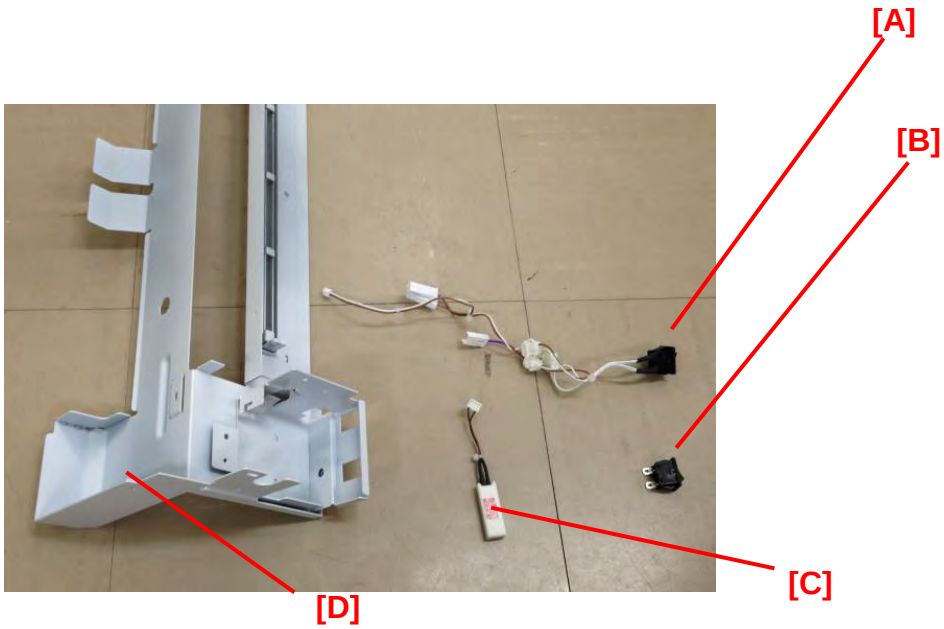
40. Assemble the Air Shield [A] and Upper Cover (for SR4110) [B] (accessory #12) with the [C] and knob [D] removed in step 37.



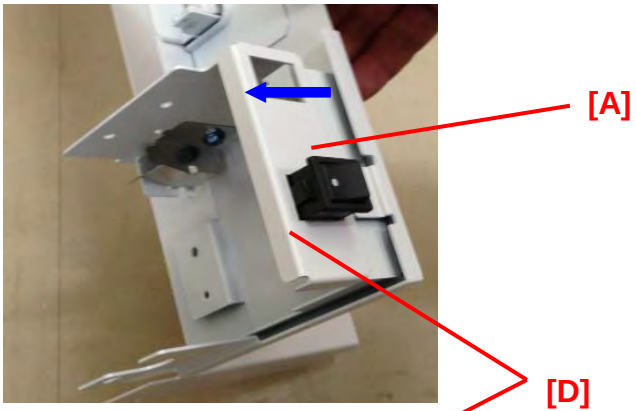
41. Attach the Spring Plate [A] removed in step 36 to the Lower Cover (for SR4110) (accessory #11) [B] (x 1; [C]).



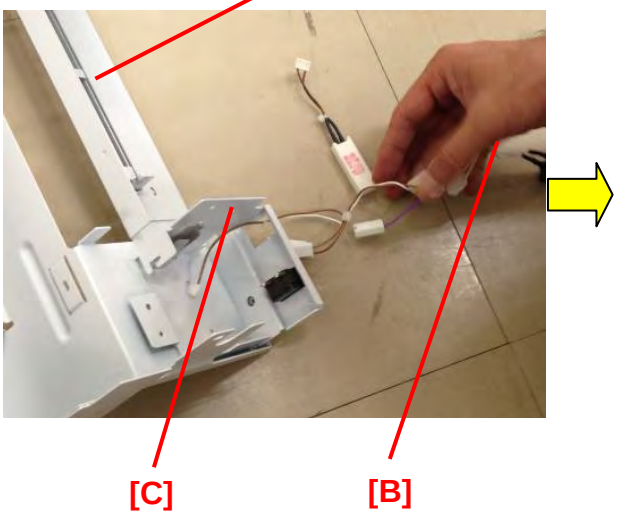
42. Prepare the following parts:
Rocker switches [A] and [B], harness removed in steps 36 and 37 [C], Lower Cover of SR4110

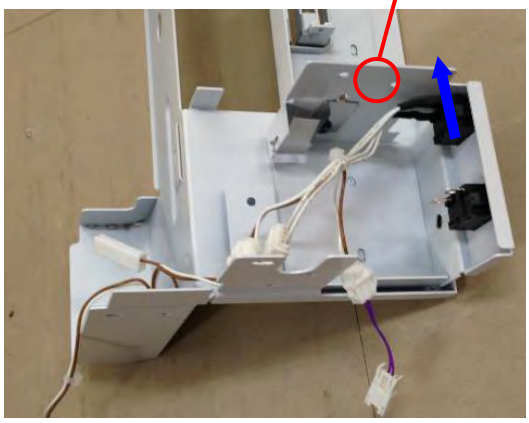


43. Route the harnesses through the openings [C] and attach the Rocker Switches [A] and [B] to the Lower Cover of SR4110 [D].



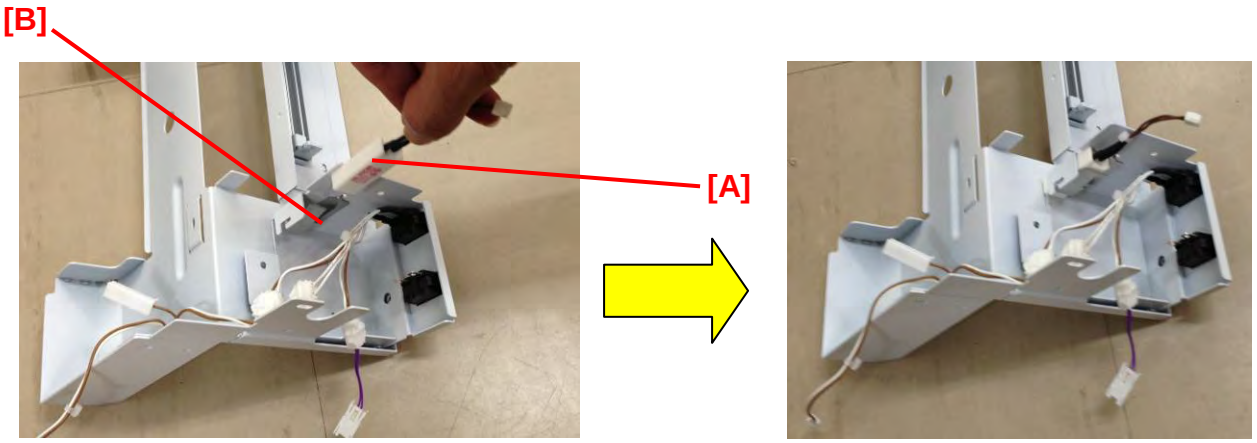
NOTE: Attach the Rocker Switch [A] so that the white dot marking positions to the side indicated with the arrow in the left photo.



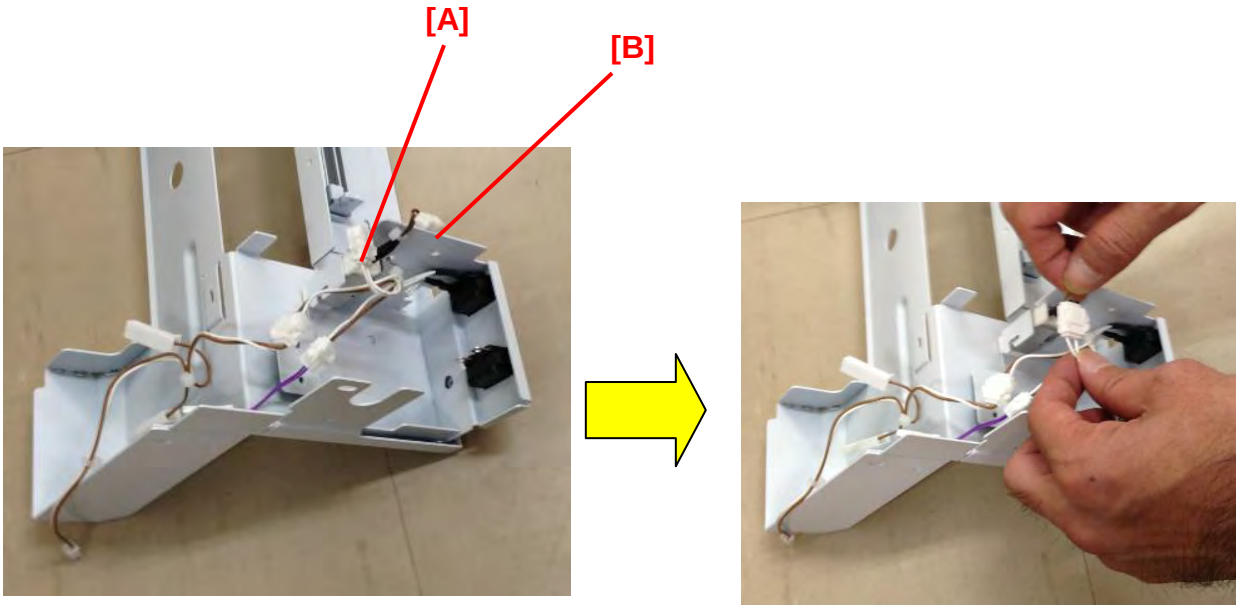


NOTE: Attach the Rocker Switch [B] so that the side connected with the harness [E] corresponds to the direction of the arrow shown in the above photo.

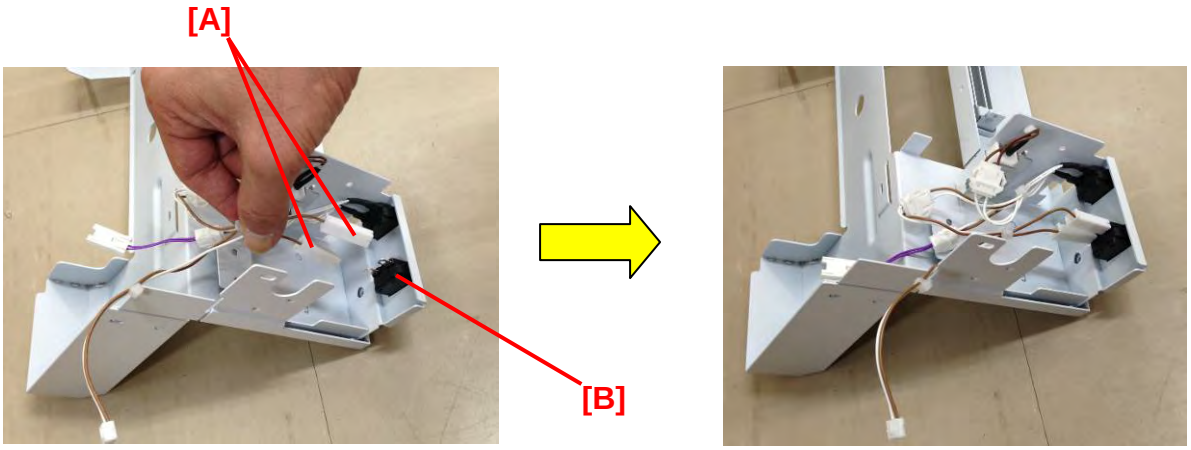
44. Insert the resistor harness [A] into the Spring Plate [B].



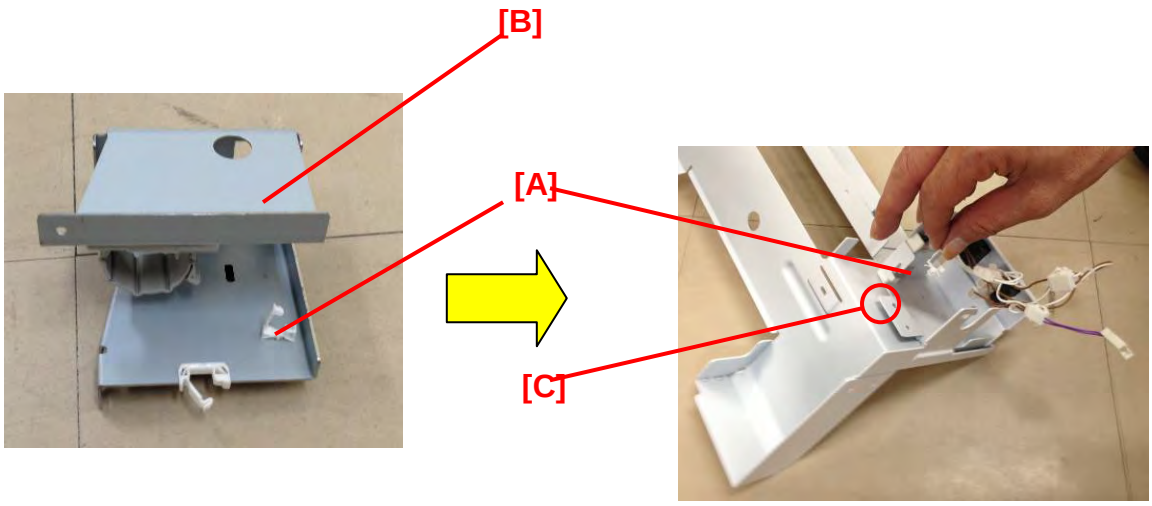
45. Connect the ☞ [A] and [B].



46. Connect the 2 ☞ [A] to the Rocker Switch [B].

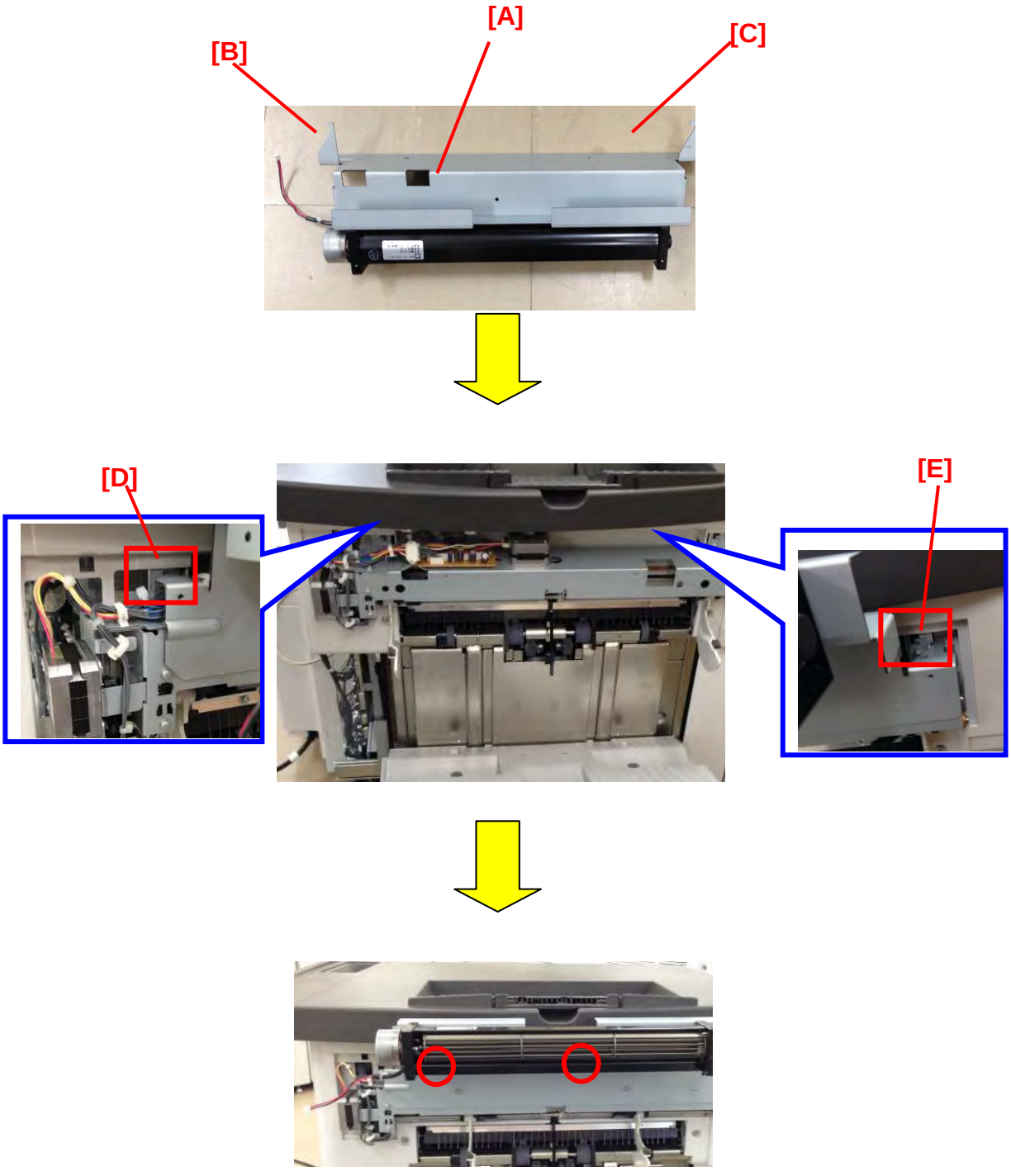


47. Remove the [A] from the bracket [B] removed in step 34. Then attach the [A] to the hole [C] on the lower cover of SR4110.



48. Remove the Jogger Unit Cover [A] from Finisher SR4110 (x 2).

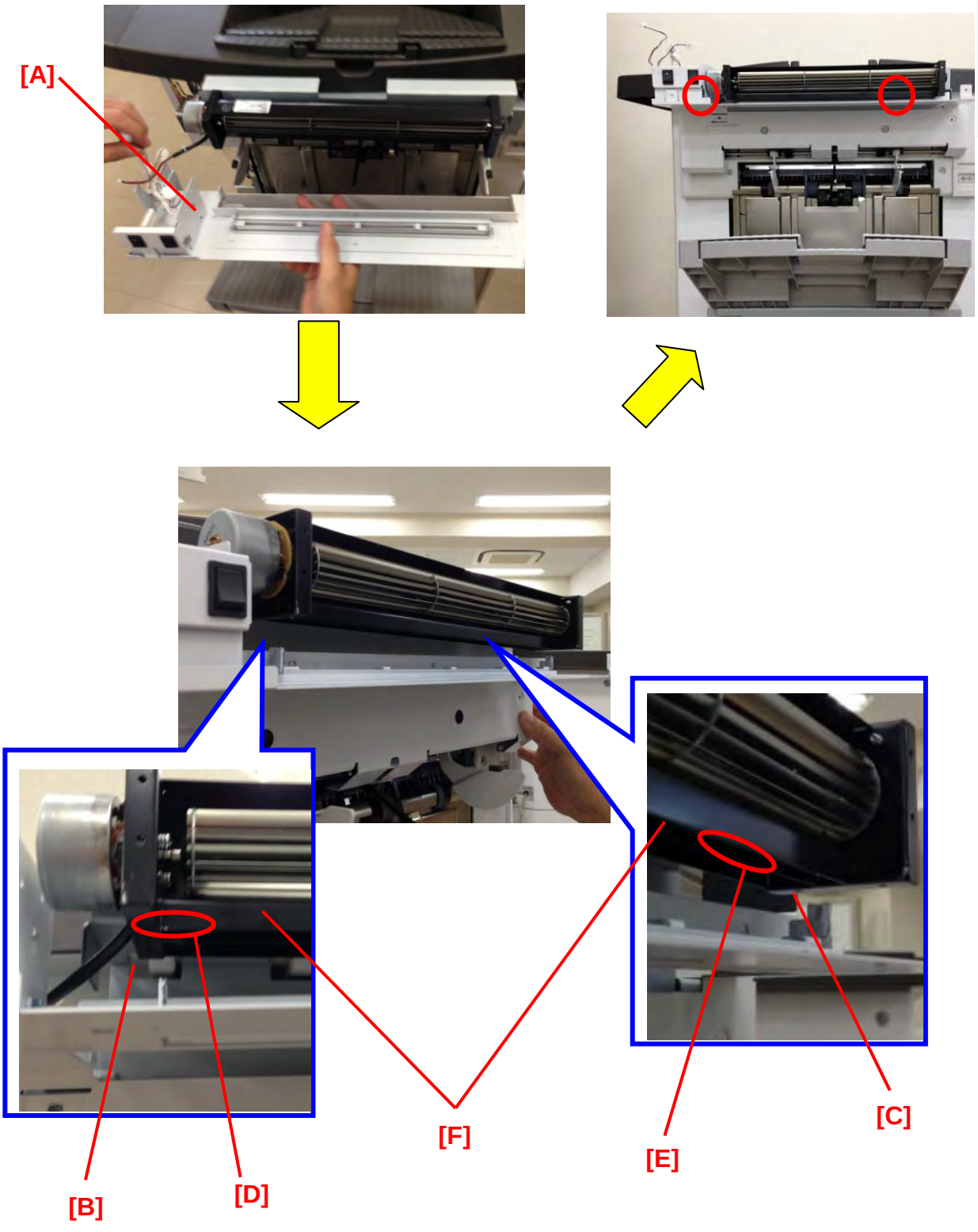
49. Mount the Fan Motor Unit [A] on Finisher SR4110 by aligning the hooks [B] and [C] with the cutouts [D] and [E] (🔩 x 2).



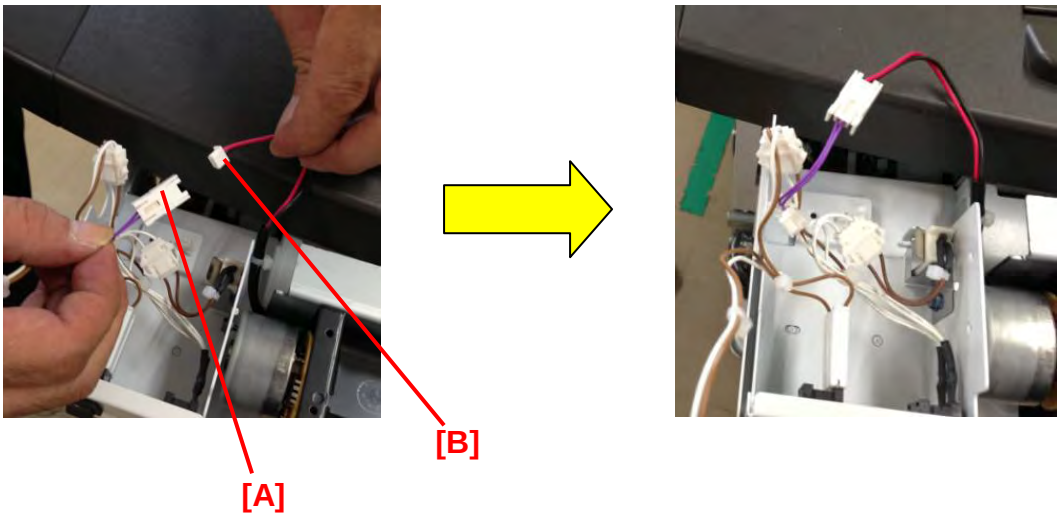
50. Attach the Lower Cover [A] assembled in step 47 by inserting the tabs [B] and [C] to the grooves [D] and [E] located under the cooling fan unit (🔩 x 2).

Note

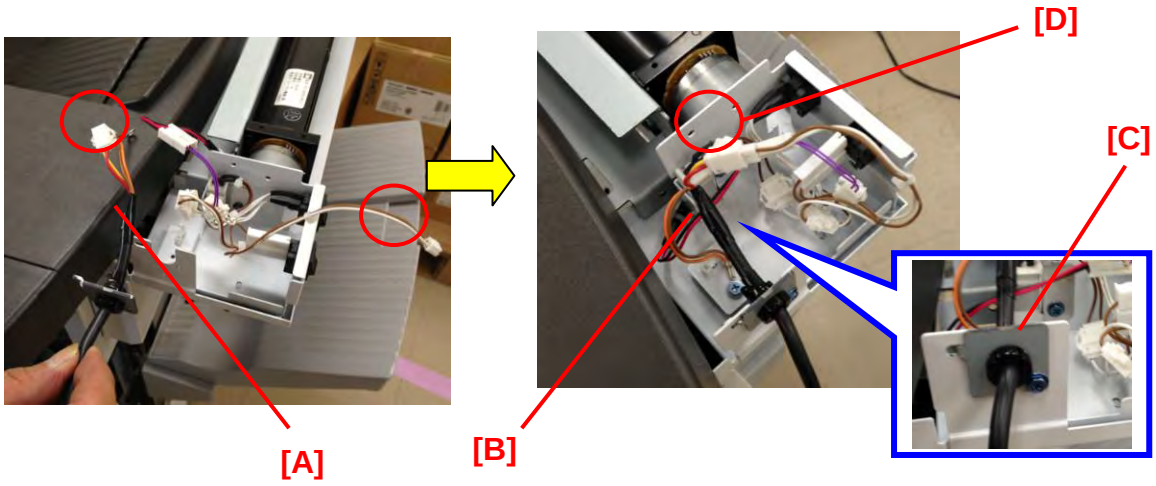
- Grooves [D] and [E] refer to the wider groove (toward the upstream of the unit).



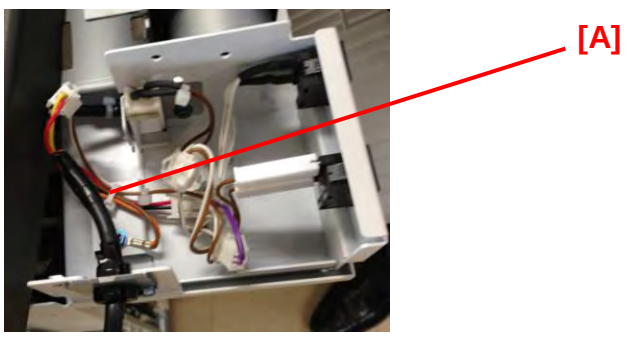
51. Connect the s [A] and [B].



52. Fix the harness [A] from the Interface Unit mounted on the copier in step 15 (x 1 for ground wire [B], x 1 for bracket [C], x 1 [D]).



53. Clamp the harness [A] (x 1).

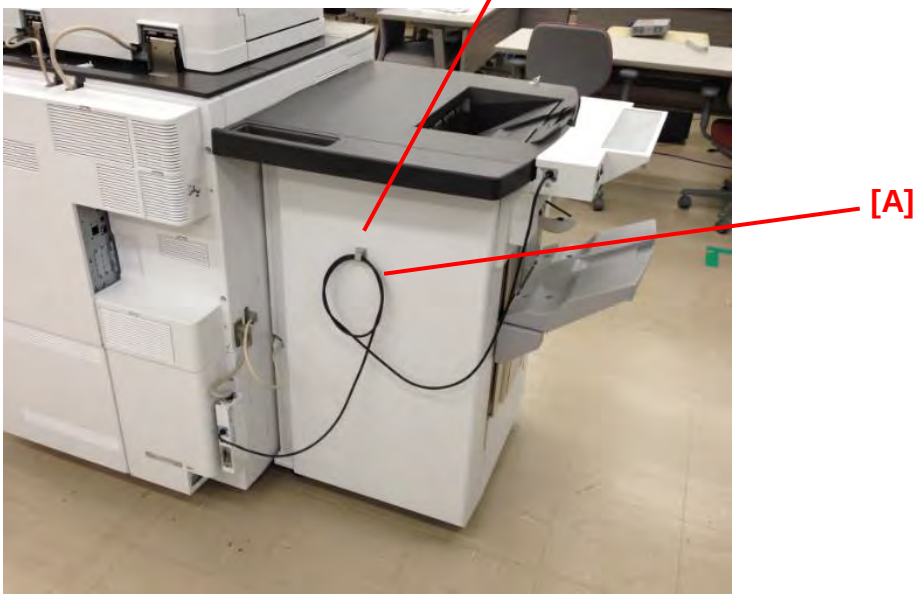


54. Mount the Upper Cover [A] assembled in step 40 on the Cooling Fan Unit (x 5).

55. Bind the harness of the Interface Unit [A] and clamp it with Locking Wire Saddle CKN-13 [B] (accessory #4).

Note

- Depending on the number of options installed between the copier and Finisher SR4110, 3 pcs of Locking Wire Saddle CKN-13 might be needed to clamp the harness.



2.37.5 INFORMATION FOR COOLING FAN UNIT TYPE M2

(1) Cooling Fan Unit Type M2 activates under the following condition.

Main Power Switch [A] of Cooling Fan Unit Type M2	Pro C5110S/Pro 5100S	
	Printing/Copying	Ready status
ON	Active	Inactive
OFF	Inactive	Inactive

Important

1. Always keep the Main Power Switch of the Cooling Fan Unit Type M2 **ON**, because the power is supplied from mainframe.

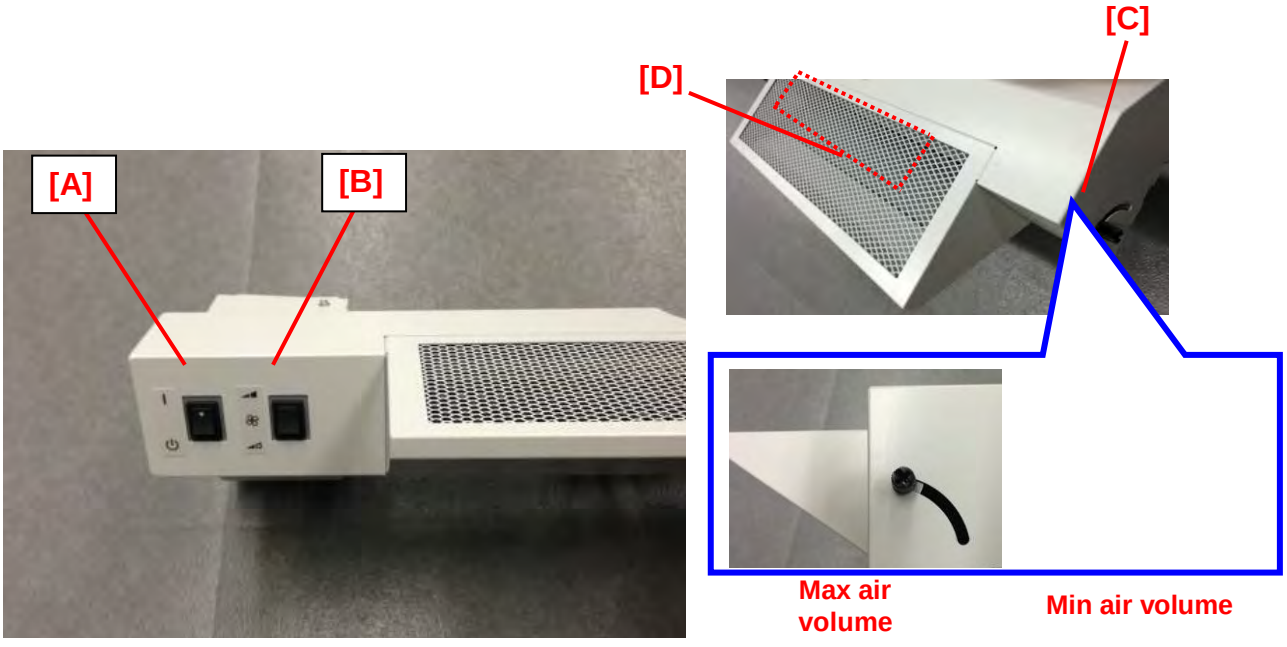
2. Cooling Fan Unit Type M2 does **not** activate even with the Mainframe Power switched ON, if the printer is in ready status. Cooling Fan is activated **only** during print/copy operations.

(2) Instruction for Customer

How to adjust the fan power

Cooling Fan Unit Type M2 is equipped with an fan power adjustment switch [B]. Fan power can be set to either maximum or minimum. If poor stacking is confirmed as a result of excess air volume, set this switch to minimum.

If the air volume needs to be fine adjusted, rotate the knob screw [C], which will change the position of the air shield [D] inside the unit. Air shield can be fixed at the desired position by tightening the knob screw. (Air shield [D] is located inside the meshed cover.)



PREVENTIVE MAINTENANCE

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
13 ~ 20	02/20/2014	Revised the *PM Parts Replacement Procedure*

3. PREVENTIVE MAINTENANCE

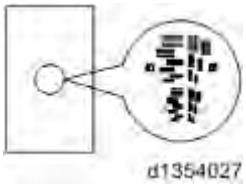
3.1 PREVENTIVE MAINTENANCE TABLES

See "Appendices" for the following information:

- Preventive Maintenance Items
- Other Yield Parts

3.2 IMAGE QUALITY STANDARDS

3.2.1 RESOLUTION

Item	Specification	Chart	Measuring method
Copy (100%/Enlargement), Black and White (1C)	Ave 5.0 lines/mm or more Min 4.5lines/mm or more	Book: S-5 (revised)	Copy onto plain paper using Auto Image Density/5 notches and then determine resolution. 
Copy (Reduction), Black and White (1C)	Min 4.5×M lines/mm or more	DF: S-5Y (revised)	

3.2.2 COLOR SHIFT

Item	Specification	Chart	Measuring method
Engine, Main Scan/Sub Scan	Ave.+3σ≤150.0μm	L-Pattern	
Engine, Main Scan/Sub Scan (after MUSIC)	Ave.+3σ≤120.0μm		Print within 1 minute after MUSIC correction.

3.2.3 MAGNIFICATION RATIO ERROR MARGIN

Item	Specification	Chart	Measuring method
Engine, Main Scan, Black and White (1C)	0.75% or less	Mono_CCD	Copy the scale and compare it with the scale at 100 mm to see if it is within specification. Leave the sheet for 3 minutes or more after it has been output before measuring. d1354028 The swelling/shrinkage of paper caused by humidity are excluded. First side of the sheet only.
Engine, Sub Scan, Black and White (1C)	0.50% or less	Scale chart	
Copy (100%), Main Scan, Black and White (1C)	0.75% or less		
Copy (100%), Sub Scan, Black and White (1C)	0.80% or less		
Copy (Reduction), Main Scan/Sub Scan, Black and White (1C)	1.00% or less		
Copy (Enlargement), Main Scan/Sub Scan, Black and White (1C)	1.00% or less		

3.2.4 MAGNIFICATION RATIO ERROR MARGIN DEVIATION

Item	Specification	Chart	Measuring method
Copy (100% / Enlargement / Reduction), Black and White (1C)	1.00% or less	Scale chart	Leave the sheet for 3 minutes or more after it has been output before measuring.

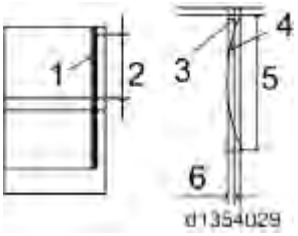
3.2.5 PITCH ERROR MARGIN

Item	Specification	Chart	Measuring method
Engine, Black and White(1C)	1.50% or less	Mono_CCD	For a line of about 1/2 inch in length.

3.2.6 PERPENDICULARITY

Item	Specification	Chart	Measuring method
Engine, Black and White(1C)	±0.70mm/200mm or less (90° ± 0.20°)	Mono_CCD	Measure with the full length and width of the image.
Copy (100%), Black and White (1C)	±1.00mm/200mm or less	Scale chart	

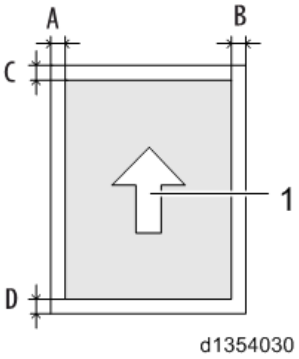
3.2.7 LINEARITY

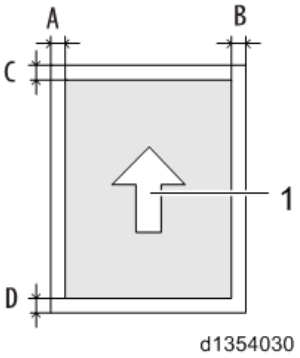
Item	Specification	Chart	Measuring method
Engine, Black and White(1C)	±0.20mm/100mm or less	Mono_CCD	Measure with the full length and width of the image.
Copy, Black and White (1C)	±0.50mm/100mm or less	Scale chart	 1. Inner line 2. 100mm 3. Base line 4. Copy 5. 100mm 6. 0.5mm

3.2.8 PARALLELISM

Item	Specification	Chart	Measuring method
Item	Specification	Chart	Measuring method
Engine, Black and White(1C)	± 1.0mm or less	Mono_CCD	Measure with the full length and width of the image.

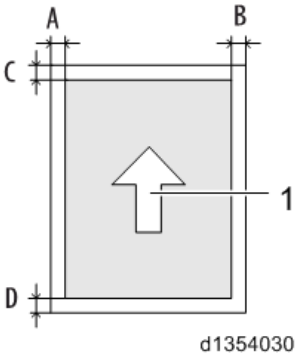
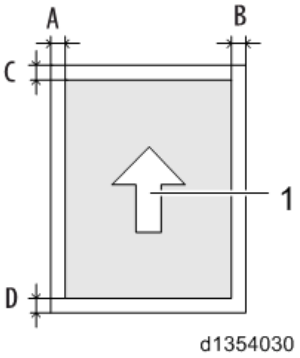
3.2.9 MISSING IMAGE AREA (D135/D136)

Item	Specification	Chart	Measuring method
Engine (leading edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 3: 5.0±1.5mm Paper thickness 4 to 8: 4.0+1.8/-1.2mm [Coated paper] Paper thickness 1 to 4: 5.0±1.5mm Paper thickness 5 to 8: 4.0+1.8/-1.2mm	Trim	Since there is a variability of about 1 mm in the sizes of sheets of paper, correct the size of the sheet before measuring.  1. Paper feed direction 52gsm short grain, leading edge: 5±1.5mm First side, trailing edge:0.5 to 7.0mm (for reference only)
Engine (left/right), Black and White(1C)	2.0±1.5mm		
Engine (trailing edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 4: 5.0±2.0mm Paper thickness 5 to 8: 4.0±2.0mm [Coated paper] Paper thickness 1 to 6: 5.0±2.0mm Paper thickness 7 to 8: 4.0±2.0mm		
Copy (leading edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 3: 5.0±1.5mm Paper thickness 4 to 8: 4.0+1.8/-1.2mm [Coated paper] Paper thickness 1 to 4: 5.0±1.5mm Paper thickness 5 to 8: 4.0+1.8/-1.2mm	Exposure glass open	Since there is a variability of about 1 mm in the sizes of sheets of paper, correct the size of the sheet before measuring.

Item	Specification	Chart	Measuring method
Copy (left/right), Black and White(1C)	2.0±1.5mm		 1. Paper feed direction 52gsm short grain, leading edge: 5±1.5mm First side, trailing edge:0.5 to 7.0mm (for reference only)
Copy (trailing edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 4: 5.0±2.0mm Paper thickness 5 to 8: 4.0±2.0mm [Coated paper] Paper thickness 1 to 6: 5.0±2.0mm Paper thickness 7 to 8: 4.0±2.0mm		

3.2.10 MISSING IMAGE AREA (D137/D138)

Item	Specification	Chart	Measuring method
Engine, Black and White(1C)	±0.70mm/200mm or less (90° ± 0.20°)	Mono_CCD	Measure with the full length and width of the image.
Engine (leading edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 3: 5.0±1.5mm Paper thickness 4 to 8: 4.0±1.5mm [Coated paper] Paper thickness 1 to 4: 5.0±1.5mm Paper thickness 5 to 8: 4.0±1.5mm	Trim	Since there is a variability of about 1 mm in the sizes of sheets of paper, correct the size of the sheet before measuring.
Engine (left/right), Black and White(1C)	2.0±1.5mm		

Item	Specification	Chart	Measuring method
Engine (trailing edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 4: 5.0±2.0mm Paper thickness 4 to 8: 4.0±2.0mm [Coated paper] Paper thickness 1 to 6: 5.0±2.0mm Paper thickness 7 to 8: 4.0±2.0mm		 d1354030 1. Paper feed direction 52gsm short grain, leading edge: 5±1.5mm First side, trailing edge:0.5 to 7.0mm (for reference only)
Copy (leading edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 3: 5.0±1.5mm Paper thickness 4 to 8: 4.0±1.5mm [Coated paper] Paper thickness 1 to 4: 5.0±1.5mm Paper thickness 5 to 8: 4.0±1.5mm	Exposure glass open	Since there is a variability of about 1 mm in the sizes of sheets of paper, correct the size of the sheet before measuring.  d1354030 1. Paper feed direction 52gsm short grain, leading edge: 5±1.5mm First side, trailing edge:0.5 to 7.0mm (for reference only)
Copy (left/right), Black and White(1C)	2.0±1.5mm		
Copy (trailing edge), Black and White(1C)	[Uncoated paper] Paper thickness 1 to 4: 5.0±2.0mm Paper thickness 5 to 8: 4.0±2.0mm [Coated paper] Paper thickness 1 to 6: 5.0±2.0mm Paper thickness 7 to 8: 4.0±2.0mm		

3.2.11 MARGIN POSITION

Item	Specification	Chart	Measuring method
Engine (simplex), Main Scan/Sub Scan, Black and White (1C)	±2.0 or less	Mono_CCD	
Engine (duplex), Main Scan, Black and White (1C)	±3.0 or less		
Engine (duplex), Sub Scan, Black and White (1C)	±4.0 or less		

3.2.12 1ST SIDE/2ND SIDE POSITIONAL PRECISION (SHIFT LENGTH OF 2ND SIDE COMPARED TO 1ST SIDE)

Item	Specification	Chart	Measuring method
Engine, Main Scan/Sub Scan, Black and White (1C)	±1 mm or less (for reference only)	Trim	Measure after adjusting image position and magnification ratio in SP mode.

3.3 PAPER TRANSFER QUALITY STANDARDS

3.3.1 REGISTRATION

Exposure glass

Item	Specification	Note
Simplex (1st print side), 100% or reduction	0±2mm (Vertically and horizontally)	
Simplex (1st print side), enlargement	0±2mm × M mm (Vertically and horizontally)	M: Magnification ratio
Duplex (2nd print side), 100% or reduction	0±2mm (Vertically and horizontally)	
Duplex (2nd print side), enlargement	0±2mm × (2×M+1) mm (Vertically and horizontally)	M: Magnification ratio

ADF

Item	Specification	Note
Simplex (1st print side), non-B6 original, 100% or reduction	Main Scan: 0±4mm Sub Scan: 0±3mm	
Simplex (1st print side), non-B6 original, enlargement	Main Scan: 0±(2×M+2)mm Sub Scan: 0±(2×M+1)mm	M: Magnification ratio
Simplex (1st print side), B6 original, 100% or reduction	Main Scan: 0±5mm Sub Scan: 0±4mm	
Simplex (1st print side), B6 original, enlargement	Main Scan: 0±(2×M+3)mm Sub Scan: 0±(2×M+2)mm	M: Magnification ratio

Item	Specification	Note
Duplex (2nd print side), non-B6 original, 100% or reduction	Main Scan: 0±4mm Sub Scan: 0±3mm	
Duplex (2nd print side), non-B6 original, enlargement	Main Scan: 0±(2×M+3)mm Sub Scan: 0±(2×M+2)mm	M: Magnification ratio

3.3.2 SKEW

Exposure glass

Item	Specification	Note
Simplex, A4 SEF or larger*1	±1.0mm/200mm or less	Excluding paper longer than 12 ×18inches. *1 Feed length 279mm or more *2 Feed length 257mm or less
Simplex, B5 SEF or smaller *2	±1.0mm/100mm or less	
2nd side, A4 SEF or larger*1	±1.0mm/200mm or less	
2nd side, B5 SEF or smaller *2	±1.0mm/100mm or less	

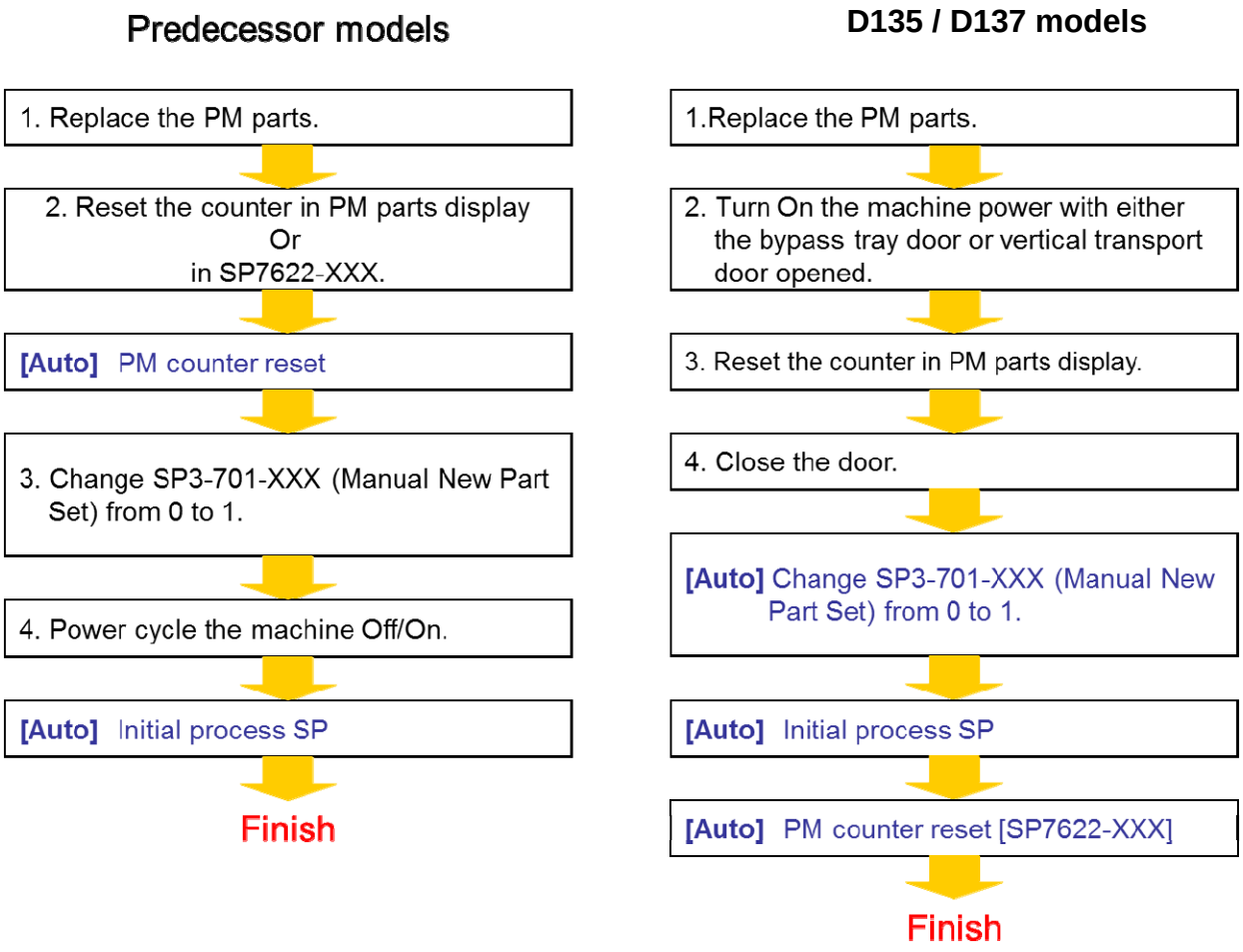
ADF

Original	Printed paper	Specification	Note
1st side, A3 to B5/A6 LEF	B5 SEF or smaller	Main Scan: 3.5mm/200mm or less Sub Scan: 3.0mm/200mm or less	
1st side, A3 to B5/A6 LEF	A3/DLT to A4/LT	Main Scan: ±2.5mm/200mm or less Sub Scan: 2.0mm/200mm or less	
1st side, other than A3 to B5/A6 LEF	B5 SEF or smaller	Main Scan and Sub Scan: ±4.0mm/200mm or less	
1st side, other than A3 to B5/A6 LEF	A3/DLT to A4/LT	Main Scan and Sub Scan: ±3.0mm/200mm or less	
2nd side, A3 to A5	B5 SEF or smaller	Main Scan and Sub Scan: ±4.0mm/200mm or less	
2nd side, A3 to A5	A3/DLT to A4/LT	Main Scan and Sub Scan: ±3.0mm/200mm or less	

3.4 PM PARTS SETTINGS

⇒ PM parts replacement procedure for the D135 / D137 series machines are different from predecessor models. If the PM counter is reset in “PM parts display”, flag is set (SP3701-XXX) and initial process SPs are run automatically for the replaced part. See below for details If the PM counter is reset in SP7622-XXX, procedure is the same as predecessor models.

Comparison of the PM Parts Replacement Procedure



Important

- **If the counter for the Lubricant Bar is reset in SP 7622-XX, make sure to set the flag in SP3701-XXX. Otherwise, the lubricant end detection (SP3810-XXX) will not be reset and the banner message indicating near-end will remain on the operation panel.**

3.4.1 PM PARTS REPLACEMENT PROCEDURE

1. Turn off the power on the operation panel button, and unplug the AC power cord.
2. Turn off the main power switch located inside the door.
3. Replace the PM parts.
4. Plug in the AC power cord and turn on the main power switch with either the bypass tray door [A] or vertical transport door [B] opened.

NOTE: ***Make sure to open either the bypass tray or vertical transport door before turning on the main power. Otherwise, troubles could occur as a result of unneeded initialization processes.***

5. Enter the SP mode and push the PM parts counter reset button in the PM Parts display. (☛ PM Counter Display)

⇒ **NOTE:** ***Pressing the reset button in PM Counter Display does not reset the PM counter. The PM counter is reset after closing the door in step 6.***

6. Close the bypass tray door (or the vertical transport door). The machine will reset the PM counters automatically followed by an initialization process. (Initial Adjustment SP Lists)

7. Check the Initial Adjustment SP Lists and execute initialization in the SP mode, if required. (☛ Initial Adjustment SP Lists)

8. Enter SP5-990-004 and check the counter values in the SMC logging data. Make sure that the PM counters for the replaced units are "0" in the PM parts display. If a PM counter for a unit that had been replaced does not display “0,” reset that counter in the procedure described above.

9. Exit the SP mode.

NOTE: Machine operation will automatically stop when the PM counters for the fusing cleaning web and drum lubricant bar reach their yield. Counter clearance is not required when replacing the developer, as this counter is cleared by SP3-024 (Developer Fill: Execute). Counter clearance triggers the initialization of the parts described in this section. When initialization is required for these parts, open the front door and clear the counter.

3.4.2 PREPARATION BEFORE OPERATION CHECK

1. Clean the exposure glasses (for DF and book scanning). Check the PM table to see if any other cleaning is scheduled at this time.
2. Enter the User Tools mode.
3. Do the "Automatic Color Calibration (ACC)" for the copier mode & printer mode.
4. Exit the User Tools mode, and then enter the SP mode.
5. Do the "Forced line position adjustment."
    - First do SP2-111-3 (Mode c).
    - Then do SP2-111-1 (Mode a).
    - Check the process by viewing the operation panel to confirm successful results. Results can also be viewed in SP 2-194-10 to 12.
6. Exit the SP mode.

3.4.3 OPERATION CHECK

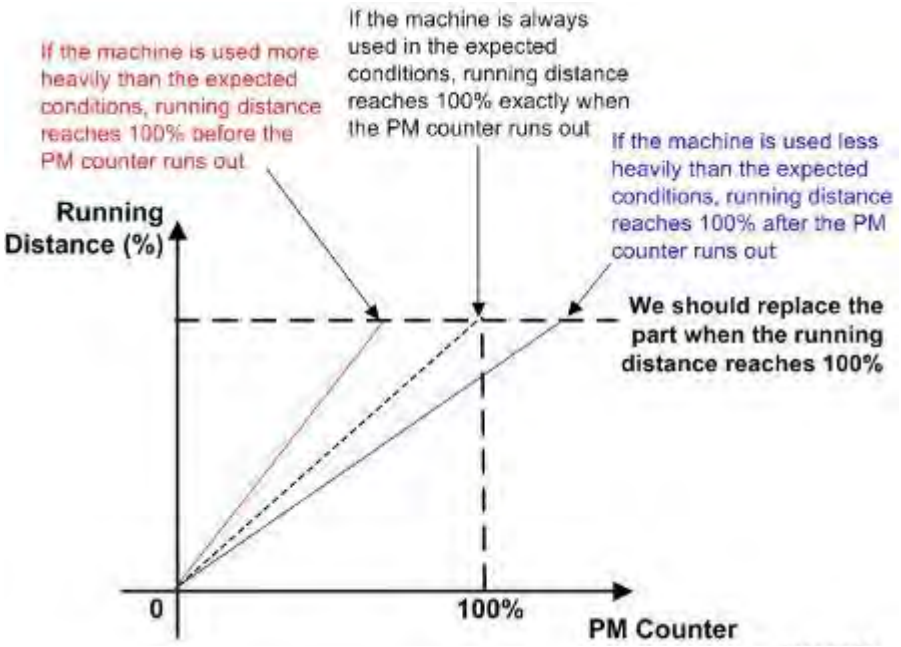
Print out a sample image and confirm proper image quality.

3.4.4 PM COUNTER DISPLAY

The PM Counter main menu and submenu allow you to view the PM counts for both units and individual components.
On the D135/D136/D137/D138, Estimated usage rate / Remaining days and Commissioning Status Report have been added to this menu.
Similarly to the Taurus, D135/D136/D137/D138 applies the running distance calculation to display the usage rate and remaining days of parts.
With this system, PM can be scheduled with more accuracy in accordance with the machine usage conditions unique to every user.
Please refer to the usage rate and remaining days when doing PM for the D135/D136/D137/D138.

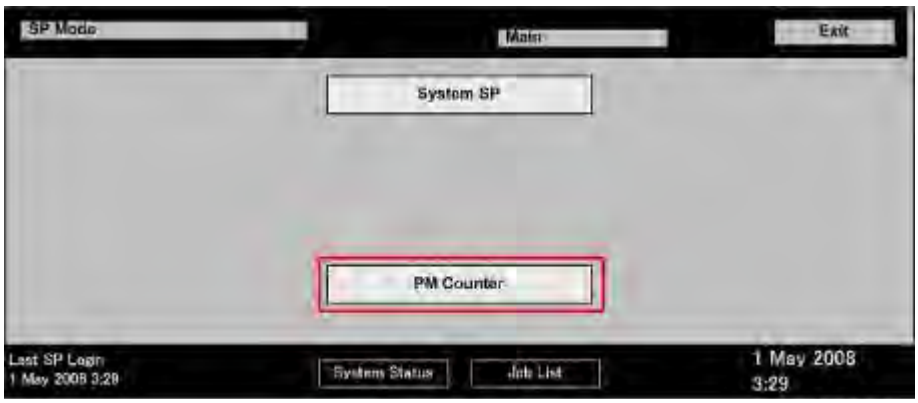
3.4.5 NOTE CONCERNING RUNNING DISTANCE DATA

Since the PM parts yield is based on set conditions (for example, D135/D136/D137/D138 Pro: A4LEF, 26P/J, FC70%, etc), if a machine is used in an unexpected manner, parts could reach their life before the prescribed yield (EM), or could exceed the prescribed yield.
However, if the machine uses the running distance of the parts (which is a calculation based on the total number of revolutions made by the parts), PM can be carried out at more precise times, because the running distance reflects the actual status of the machine.



3.4.6 OPENING THE PM COUNTER

1. Enter the SP mode.



2. Touch [PM Counter].

①All PM Parts List.

Displays all PM items (all PM items, not only PM units). Lists all PM items regardless of PM yield indicator settings.

②Parts list for PM yield indicator

Displays on the items with their PM yield indicator settings set to "Yes".

③Clear all PM settings

Resets all PM counter settings to "0" at the same time. PM items can be reset one by one with the [Clear] button.

④Counter list print out

Prints the PM counter on paper.

⑤Estimated Usage Rate/Estimated Remain Days

Displays the estimated usage rate (0 to 100%) and remaining days (255 to 0 days) of the PM items, in which the calculation is based on page counter value and running distance, allowing more accuracy in comparison to the conventional PM page counter.

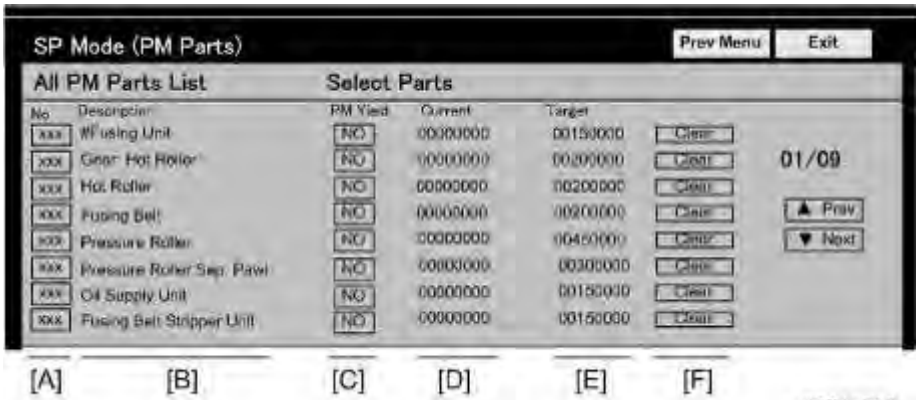
⑥Commissioning Status Report Print

Prints the status report.

3.4.7 PM PARTS SCREEN DETAILS

All PM Parts list: Main Menu

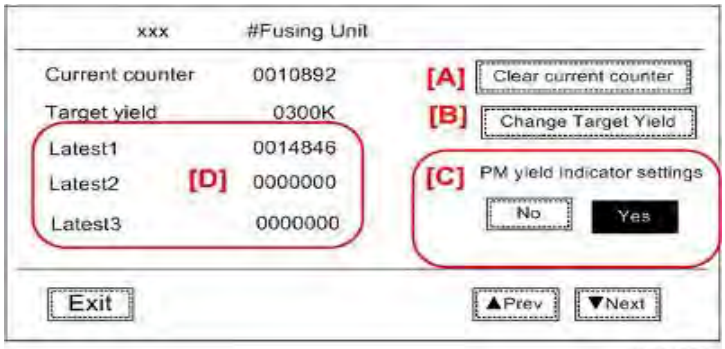
The "All PM Parts list" displays all PM units and individual items. This list shows all PM items, regardless of their "PM yield indicator settings".



[A]: Number buttons. Pressing a number button opens a submenu.
[B]: Descriptions. The # mark denotes a "unit" (not an individual item).
[C]: PM yield buttons. Function is the same as the "PM yield indicator settings" button.
[D]: Current PM counter value.
[E]: Target PM interval. This can be changed by pressing a number button [A].
[F]: PM counter clear button. Function is the same as the [Clear current counter] button.

Number Button Submenu

Press any number button to open the submenu for a part. In the example below, the number button [001] #Development Unit was pressed.



[A]: Clear current counter. Press to reset the selected PM counter (in this example 001 #Development Unit) to "0". You can also clear the settings by pressing the [Clear] button on the right side of the PM Counter Main Menu ([F] in the previous section).

[B]: Change target yield. Press the change the target PM yield. To change the setting:

- Press [Change target yield]
- Enter the number for the new target with the 10-key pad.
- Press [#] on the operation panel.

[C]: PM yield indicator settings. [Yes] is the default. Press [No] to remove the current item from the "Parts list for PM yield indicator".

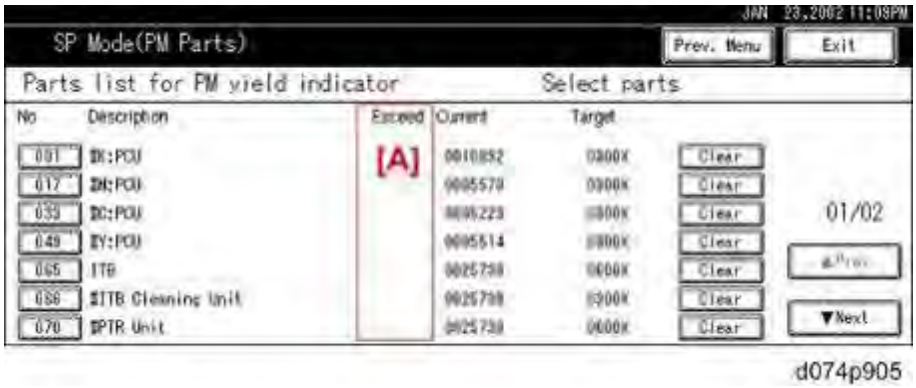
- When set to "Yes", items marked with the # mark (# = a unit) will not have their individual items displayed automatically in the "Parts list for PM yield indicator list".
- When set to "No", items marked with the # mark (# = a unit) only the individual components will appear in the list (the units will not appear).

[D]: PM counter history. This is a summary of the most recent counts

- Latest 1. The latest PM count since the unit (or part) was replaced.
- Latest 2. The previous PM count since the unit (or part) was replaced.
- Latest 3. The previous but one PM count since the unit (or part) was replaced.

Parts List for PM Yield Indicator

This list shows the PM Parts Main Menu with only items set to "Yes" displayed.

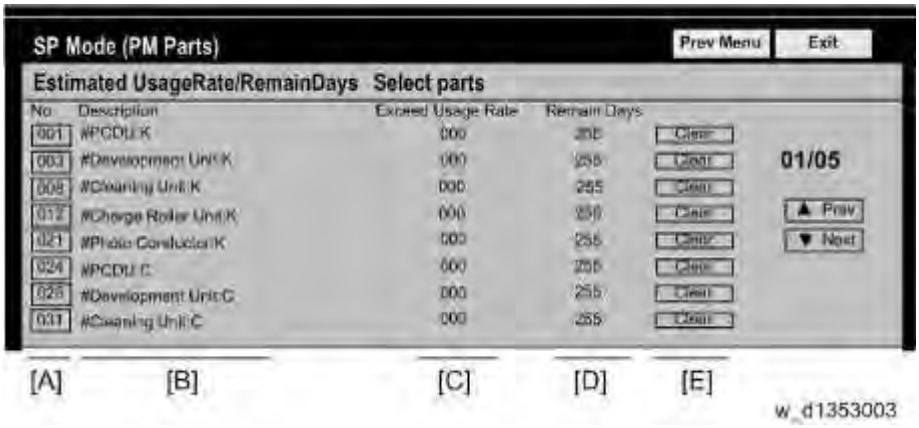


Note

- The # mark denotes a unit.
- Items without the # (for example, 065 ITB) denote individual components.
- An asterisk (*) will appear in the Exceed column [A] to show items that have exceeded their target PM yields.

Estimated Usage Rate/Estimated Remaining Days

Displays the estimated usage rate (0 to 100%) and remaining days (255 to 0 days) of the PM items against the PM yield, which are based on calculations using the page counter and running distance.



[A]: Number buttons. Pressing a number button opens a submenu.

[B]: Descriptions. The # mark denotes a “unit” (not an individual item)

[C]: Displays the estimated usage rate (0 to 100%)

[D]: Displays the estimated remaining days (255 to 0 days)

[E]: Clear button

Calculation of Estimated remaining days (255 to 0 days) and Estimated usage rate (0 to 100%)

- Calculation of estimated remaining days (255 to 0 days)

Displays either the page counter (SP7-951-XXX) or the running distance (SP7952-XXX), whichever is smaller. Note that parts such as rollers always show the page counter value, because running distance is not counted.

Remaining days by page counter (SP7-951-XXX) = (A – B) / C

A: Standard end value as pages (SP7623-xxx)

B: PM page counter (SP7621-xxx)

C: Average PM page counter per day = PM page counter (SP7621-xxx)/Number of days since last replacement

Remaining days by running distance (SP7952-XXX) = (A – B) / C

A: Standard end value as distance (SP7940-xxx)

B: PM distance counter (SP7944-xxx)

C: Average distance per day = PM distance counter (SP7944-xxx) /Number of days since last replacement

- Calculation of estimated usage rate (0 to 100%)

Displays either the page counter (SP7-954-xxx) and running distance (SP7-942-xxx), whichever is larger. Note that parts such as rollers always show the page counter value, because running distance is not counted.
Estimated usage rate % (by Page counter) is calculated as follows.
Current page counter value <SP7-621-xxx> / Standard page end value <SP7-623-xxx> x 100
Estimated usage rate % (by Running distance) is calculated as follows.
Current distance <SP7-944-xxx> / Standard distance end value <SP7-940-xxx> x 100

Commissioning Status Report Print

Prints out the status report.

Contents of the status report are as follows:

1. SP7403-001 to 010SC History
2. SP7507-001 to 010 Print Engine Jam History
3. SP7508-001 to 010 Original Jam History
4. SP7910-001,002ROM No(-001:System/Copy, -002:Engine)
5. SP7911-001,002Firmware version (-001:System/Copy, -002:Engine)
6. SP8581-001 T: Counter (-001: Total, -002: Total Full Color, -003B&W/Single Color, -010:Total Color, -011:Total B/W)
7. SP8591-001 O: Counter (-001:A3/DLT Counter, -002:Duplex Counter)

3.5 INITIAL ADJUSTMENT SP LISTS

This section describes the following:

- Automatic execution to be performed after replacement
- SP that needs to be done manually after replacement

Important

- Parts of the automatic adjustment items that are described in this section are automatically executed as a trigger counter is cleared. Therefore, press the counter clear button for the corresponding parts and turn the power off and on for automatic execution
- Initial adjustment for "Force Apply Lubricant Execute" is done manually. This is because it is necessary to perform this after separating the ITB cleaning blade from the ITB. For more information, check the replacement and adjustment procedures for each part..

3.5.1 D137/D138

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
Developer	No	Auto	SP3-030-001 to 006	Initial TD Sensor Execute	Initial setting of TD sensor	50s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
Development Filter	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Cleaning Unit	Yes	Auto	SP3-032-001 to 006	Initial cleaning setting : Execute	Initial cleaning setting	15s
		Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
Cleaning Blade	Yes	Auto	SP3-032-001 to 006	Initial cleaning setting Execute	Initial cleaning setting	15s
		Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Lubrication Roller	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Lubricant Bar	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Lubricant Blade	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Joint	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Gears	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Charge Roller Unit	Yes	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
Charge Roller	Yes	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Cleaner: Charge Roller	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Gear: Charge Roller	Yes	Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
OPC Drum	Yes	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Auto	SP2-111-004	Forced line Position	MUSIC	15s
		Manual	SP3-040-001 to 005	DEMS : EXECUTE	DEMS Control (Pro Only)	110 to 180s
Image Transfer Belt Unit	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
Transfer Belt	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
Image Transfer Roller	No	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
ITB Bias Roller	No	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
ITB drive shaft gear	Yes	Manual	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
ITB Cleaning Unit	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Cleaning Blade	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Lubricant Brush	No	-	-	-	-	-
ITB Lubricant Bar	No	Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Lubricant Blade	No	Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
Paper Transfer Roller Unit	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
Paper Discharge Plate	No	-	-	-	-	-

Parts list	Manual SP	Auto/ Manual	Adjustment SP		SP description	SP time
Paper Transfer Roller	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s

3.5.2 D135/D136

Parts list	Manual SP	Auto/ Manual	Adjustment SP		Parts list	SP time
Developer	No	Auto	SP3-030-001 to 006	Initial TD Sensor Execute	Initial setting of TD sensor	50s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
Development Filter	No	-	-	-	-	-
Cleaning Unit	No	Auto	SP3-032-001 to 006	Initial cleaning setting: Execute	Initial cleaning setting	15s
	No	Auto	SP3-032-001 to 006	Initial cleaning setting: Execute	Initial cleaning setting	15s
Cleaning Blade	No	-	-	-	-	-
	No	-	-	-	-	-
Lubrication Roller	No	-	-	-	-	-
Lubricant Bar	No	-	-	-	-	-

Parts list	Manual SP	Auto/ Manual	Adjustment SP		Parts list	SP time
Lubricant Blade	No	-	-	-	-	-
Charge Roller Unit	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
Charge Roller	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
	No	-	-	-	-	-
Cleaner: Charge Roller	No	-	-	-	-	-
OPC Drum	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Auto	SP2-111-004	Forced line Position	MUSIC	15s
Image Transfer Belt Unit	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		Parts list	SP time
Transfer Belt	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
Image Transfer Roller	No	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
ITB Bias Roller	No	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
ITB drive shaft gear	Yes	Manual	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
ITB Cleaning Unit	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s

Parts list	Manual SP	Auto/ Manual	Adjustment SP		Parts list	SP time
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Cleaning Blade	Yes	Auto	SP2-924-004	Dancing Control Belt	speed control of ITB+MUSIC	45 to 60s
		Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Lubricant Brush	No	-	-	-	-	-
ITB Lubricant Bar	Yes	Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
ITB Lubricant Blade	Yes	Manual	SP2-696-001	Force Apply Lubricant Execute	Lubrication	180s
Paper Transfer Roller Unit	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s
Paper Discharge Plate	No	-	-	-	-	-
Paper Transfer Roller	No	Auto	SP3-011-002	Manual ProCon Exe Density Adjustment	Pro Con	15 to 85s

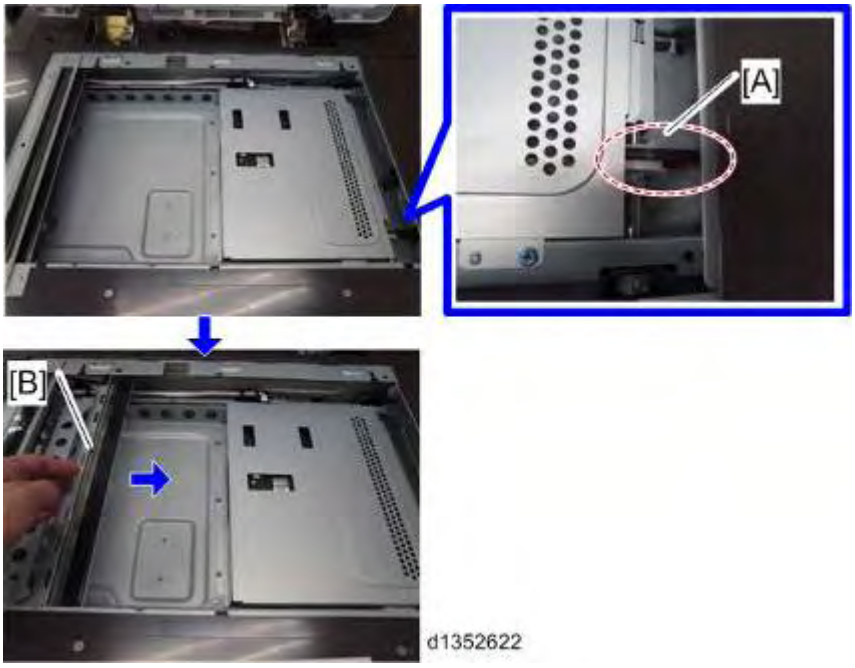
3.6 CLEANING POINTS

3.6.1 SCANNER

Exposure Glass, ADF Exposure Glass, Reflective Plate, 1st Mirror, 2nd Mirror, 3rd Mirror, Original Size Sensors

1. Exposure glass (☛ page 4-108)
2. Clean the front and back of the exposure glass with a glass cleaner.
3. Move the non-adhesive surface (left), then clean the front and back of the ADF exposure glass [A] with a glass cleaner.

4. First, turn the gear [A] and move the 1st scanner carriage [B] to the center.

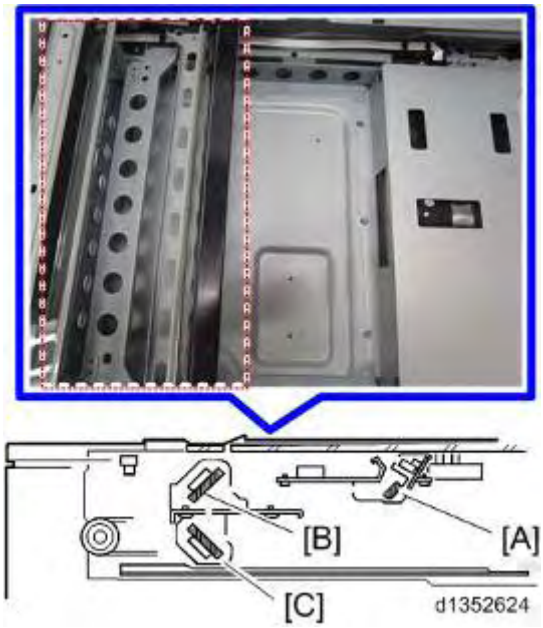


Note

- Do not touch the mirror, reflector, or light guide plate in the scanner carriage.

5. Clean the reflective plate [A] with a dry optical cloth.

6. Clean the 1st mirror [A], 2nd mirror [B] and 3rd mirror [C] with a dry optical cloth.



7. Clean the original size sensors [A] with a dry cloth.

3.6.2 DEVELOPER

Development Unit

Do the following cleaning at 300k.

1. Development unit (☛ page 4-161)
2. Wipe off the toner at the toner receptacle [A] with a dry cloth.

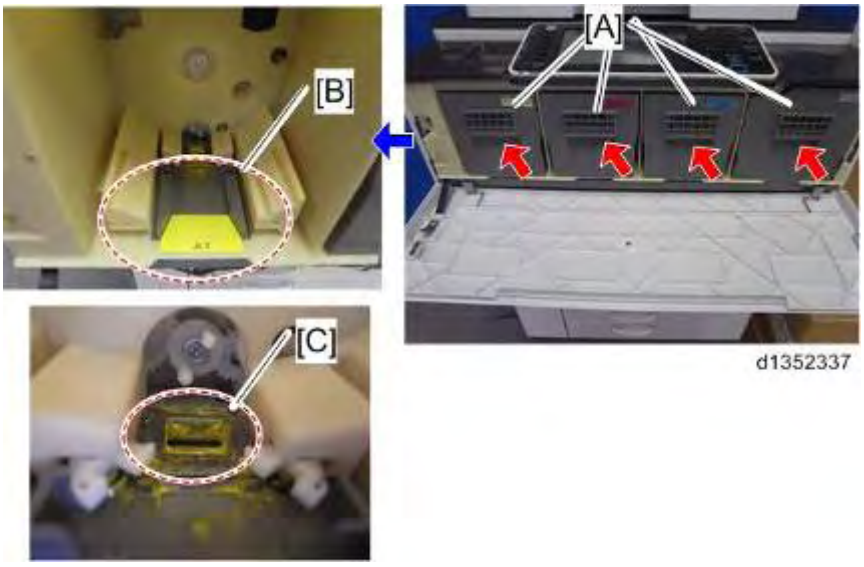
3. Clean off the toner adhering around the unit with a dry cloth.

3.6.3 TONER SUPPLY

Toner Supply Unit

1. Open the toner supply unit front cover [A].

2. Remove the toner cartridge [A].
   Clean the toner supply unit [B] with a damp cloth that has been wrung out.
   Clean the sponge seal [C] of the supply port with a dry cloth.
   e.g.: Y

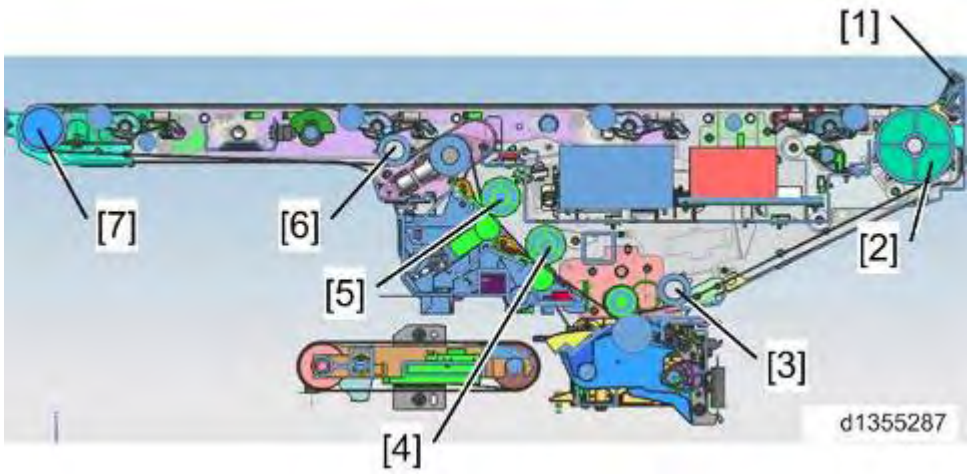


Note

- In order to prevent the scattering of toner, do not use a blower brush to clean.

3.6.4 ITB UNIT

As shown below, there are seven parts to clean at a certain interval.



1. ID Sensor
2. ITB Drive Roller
3. Pre-Transfer Roller
4. ITB Cleaning Blade Counter Roller
5. ITB Lubricant Blade Counter Roller
6. Back-up Roller
7. ITB Driven Roller

Rollers

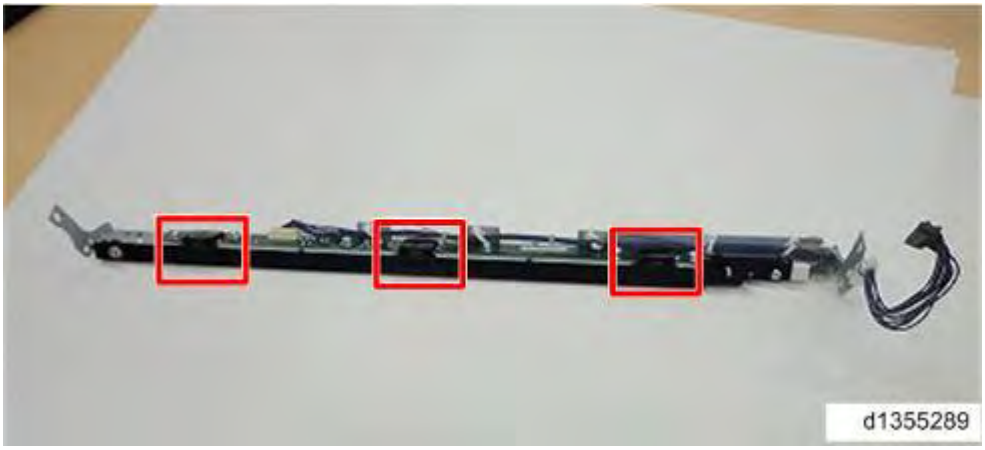
Rollers need cleaning every 900k prints

1. Transfer Belt (page 4-174 "ITB Replacement")
2. With a dry cloth, wipe each roller.

ID Sensor

Clean the ID sensor every 600k prints.

1. Bracket with the ID sensor
2. With a damp cloth, wipe the ID sensor (three areas indicated below).



3.6.5 FUSING

Stripper Plate (Fusing / Pressure)

1. Pull the fusing unit out and then raise the stripper unit to open it.
2. With a dry cloth, wipe the circled area shown below.

   Fusing Stripper Plate: Clean the surface and the back.

   Pressure Stripper Plate: Clean the seven pawls of the stripper plate.

d1355263r

Important

- Do not wipe too strongly.

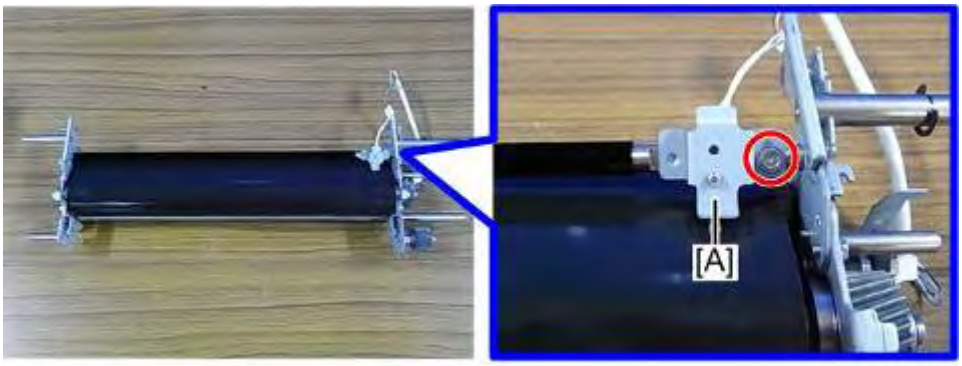
Fusing Entrance Guide

1. Pull the fusing unit out.
2. With a dry cloth, wipe the circled area shown below.

d1355264r

Thermistor (Fusing Belt)

1. Access the thermistor (Fusing Belt) (page 4-242 "Thermistor (Fusing Belt)")
2. Wipe the circled area shown below.



Thermistor (Hot Roller Shaft) (ProC5100S/5110S Only)

1. Access the thermistor (hot roller shaft) (page 4-243 "Thermistor (Hot Roller Shaft)")
2. With a dry cloth, wipe the circled area shown below.

Thermopile

1. Access the thermopile. (page 4-246 "Thermopile (Pressure Roller)")
2. With a dry cloth, wipe the surface of the lens.

Important

- Do not wipe too strongly.

3.6.6 OTHER

Development Intake Dust Filter

1. Access the development intake filter. (☛ page 4-409 "Development Intake Fans (KCMY)")
2. Clean the locations marked with a red circle below with some dry cloth.

d1351932

Pressure Roller Dust Filter (D137/D138 only)

1. Access the pressure roller intake filter. (☛ page 4-94 "Fusing Pressure Roller Intake Fan (D137/D138 only)")
2. Clean the locations marked with a red circle below with some dry cloth.

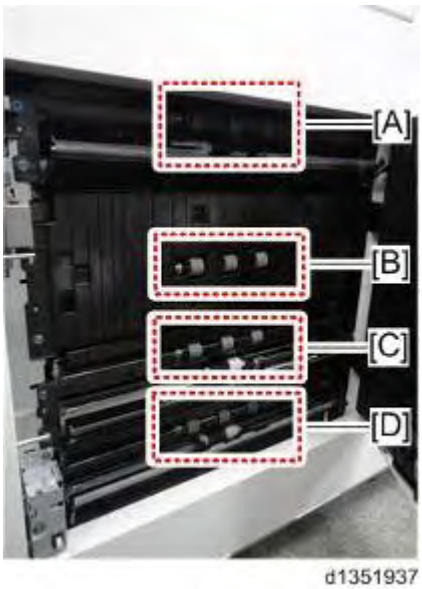
d1351936

3.6.7 PAPER FEED

1st to 4th Transport Roller (Drive/Idle)

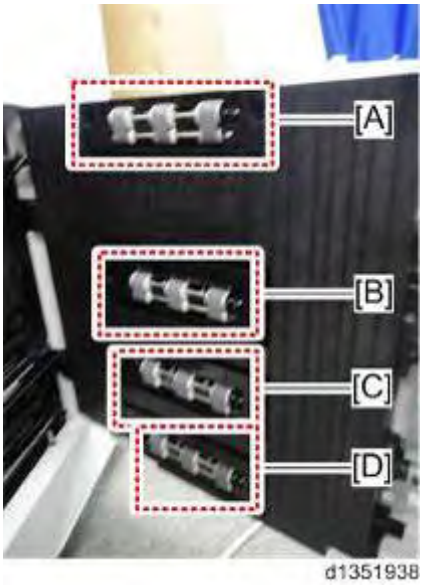
1. Open the vertical transport door [A].

2. Wipe the 1st to 4th feed roller (drive) with damp cloth.



- [A]: 1st feed roller (drive)
- [B]: 2nd feed roller (drive)
- [C]: 3rd feed roller (drive)
- [D]: 4th feed roller (drive)

3. Wipe the 1st to 4th feed roller (idle) with damp cloth.



- [A]: 1st feed roller (idle)
- [B]: 2nd feed roller (idle)
- [C]: 3rd feed roller (idle)
- [D]: 4th feed roller (idle)

Registration Roller (Drive/Idle)

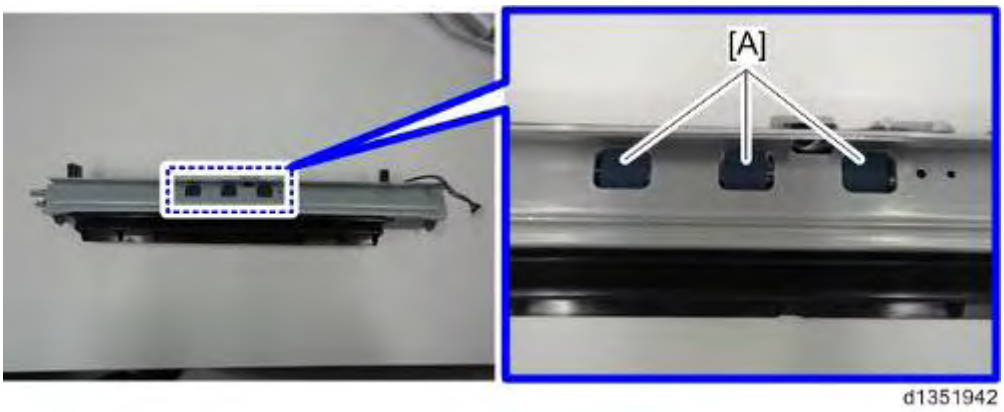
1. Pull out the drawer unit [A].

2. Open the registration section and wipe the registration roller (drive/idle) with a damp cloth.

- [A]: Registration roller (Drive)
- [B]: Registration roller (Idle)

Relay Roller (Drive/Idle)

1. Remove the registration unit. (☛ page 4-306)
2. Remove the relay unit. (☛ page 4-308)
3. Wipe the relay roller (drive) [A] with a damp cloth.



4. Remove the relay sensor. (☛ page 4-312)
5. Wipe the relay roller (idle) [A] with a damp cloth.

Bypass Relay Roller (Drive/Idle)

1. Pull out the drawer unit [A].

d1352123

2. Wipe the by-pass relay roller (drive/idle) with a damp cloth while rotating the joint [A].

d1351941

- [B]: By-pass relay roller (Drive)
- [C]: By-pass relay roller (Idle)

Registration Sensor

1. Pull out the drawer unit [A].

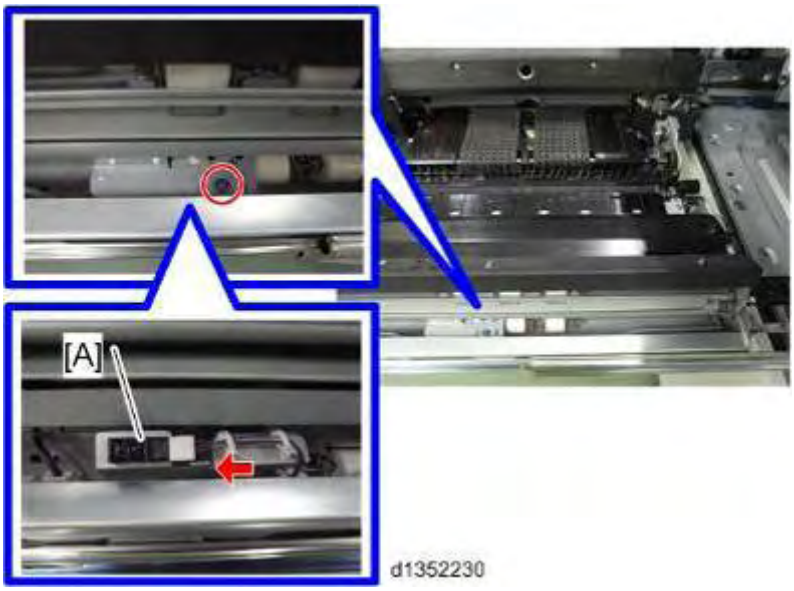
d1352123

2. Open the registration section and clean the registration sensor [A] with a blower brush.

Relay Sensor

1. Open the drawer unit cover [A].

2. Clean the relay sensor [A] with a blower brush

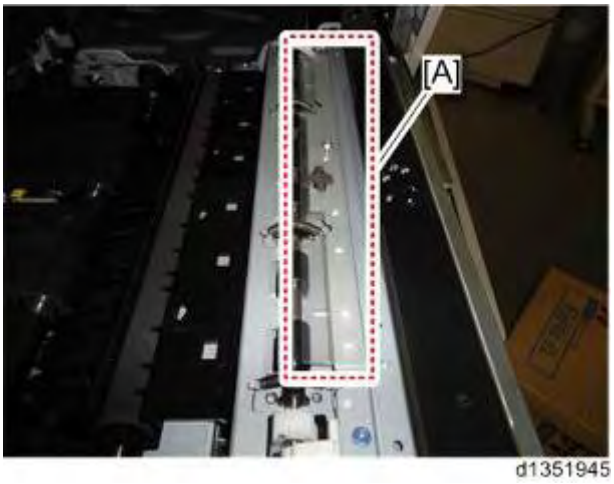


Paper Dust Collection Unit

1. Pull out the drawer unit [A].

2. Remove the upper cover [A] of the paper dust collection unit. (x2)

3. Remove the paper dust, and then wipe the dust collection unit [A] with a dry cloth.



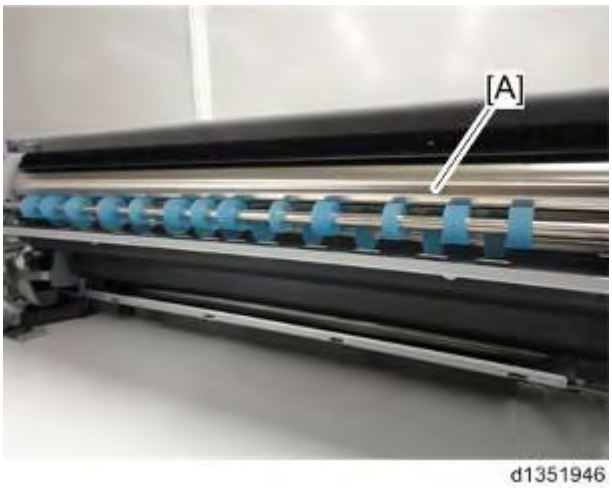
4. Reattach the upper cover of the paper dust collection unit.
5. Wipe the by-pass relay roller (drive/idle) with a damp cloth while rotating the joint [A].

- [B]: By-pass relay roller (Drive)
- [C]: By-pass relay roller (Idle)

3.6.8 DUPLEX

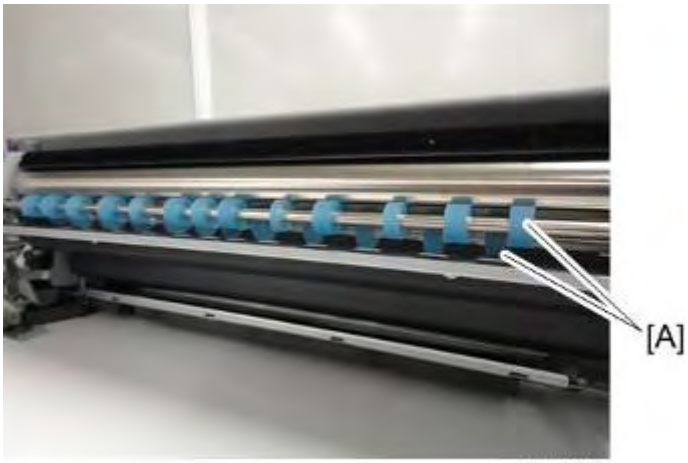
Heat Pipe Roller

1. Remove the fusing unit. (☛ page 4-211)
2. Wipe the heat pipe roller [A] with a damp cloth.



Heat Pipe Drive Roller

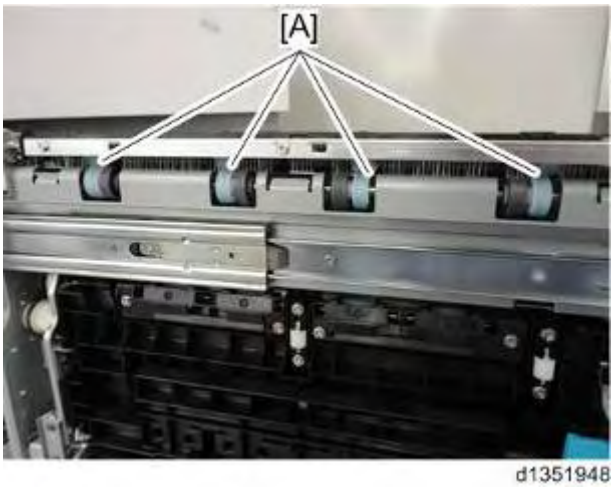
1. Remove the fusing unit. (☛ page 4-211)
2. Wipe the heat pipe drive roller [A] with a damp cloth.



Paper Exit Roller (Drive/Idle)

1. Pull out the drawer unit [A].

2. Wipe the paper exit roller (drive) [A] with a damp cloth.



3. Hold up the exit guide plate [A].

d1351949

4. Wipe the paper exit roller (idle) [A] with a damp cloth

d1351950

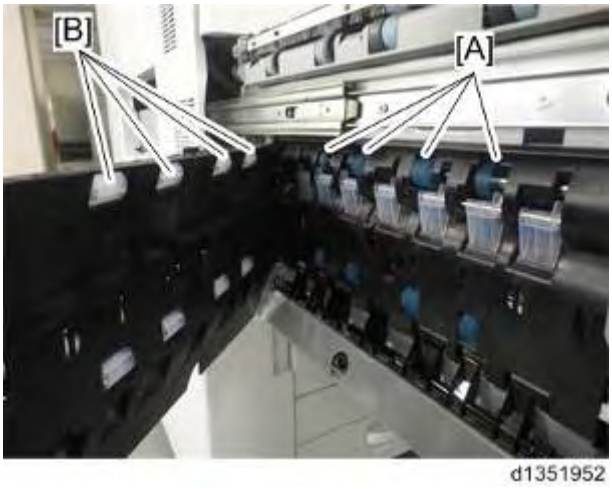
Inverter Feed Out Roller (Drive/Idle)

1. Pull out the drawer unit [A].

d1352123

2. Open the paper exit feed guide plate [A].

3. Wipe the inverter feed out roller (drive/idle) with a damp cloth.



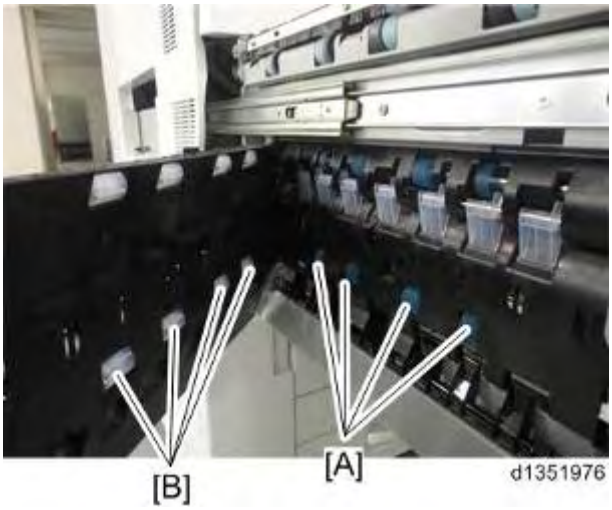
- [A]: Inverter feed out roller (Drive)
- [B]: Inverter feed out roller (Idle)

Inverter Exit Roller (Drive/Idle)

1. Pull out the drawer unit [A].

2. Open the paper exit feed guide plate [A].

3. Wipe the inverter exit roller (drive/idle) with a damp cloth.



- [A]: Inverter exit roller (Drive)
- [B]: Inverter exit roller (Idle)

Paper Exit Relay Roller (Drive/Idle)

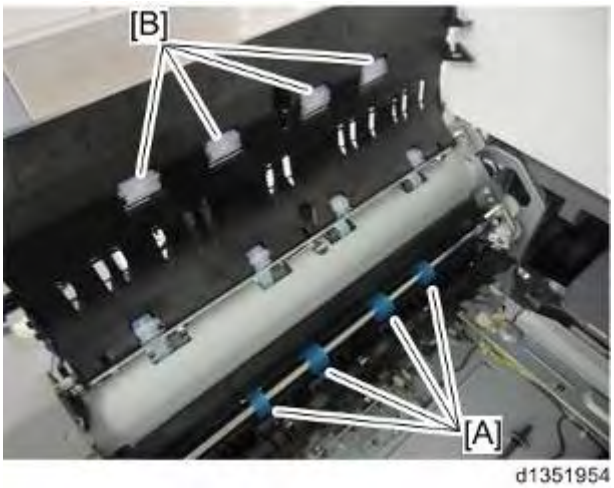
1. Pull out the drawer unit [A].

d1352123

2. Hold up the exit guide plate [A].

d1351949

3. Wipe the paper exit relay roller (drive/idle) with a damp cloth.



d1351954

- [A]: Paper exit relay roller (Drive)
- [B]: Paper exit relay roller (Idle)

Inverter Feed In Roller (Drive/Idle)

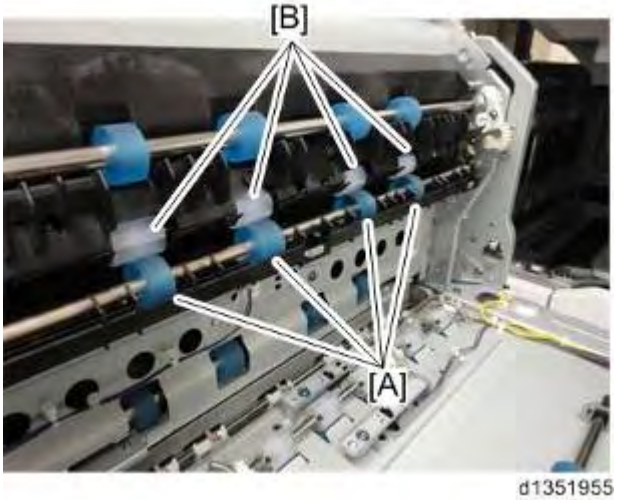
1. Pull out the drawer unit [A].

d1352123

2. Hold up the exit guide plate [A].

d1351949

3. Remove the fusing unit. (☛ page 4-211)
4. Remove the separation pawl (e-ring x 2).
5. Wipe the inverter feed roller (drive/idle) with a damp cloth.



d1351955

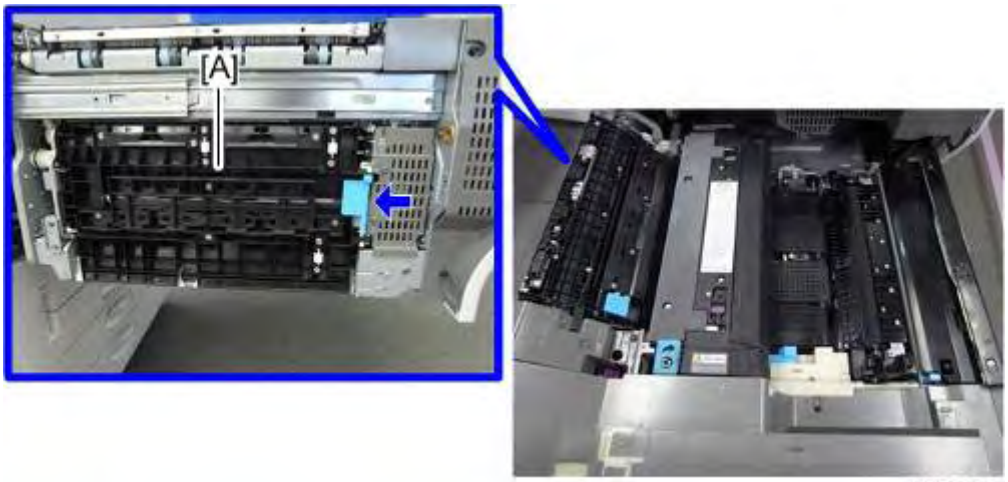
- [A]: Inverter feed roller (Drive)
- [B]: Inverter feed roller (Idle)

Exit Transport Guide Plate (Upper/Middle/Left)

1. Pull out the drawer unit [A].

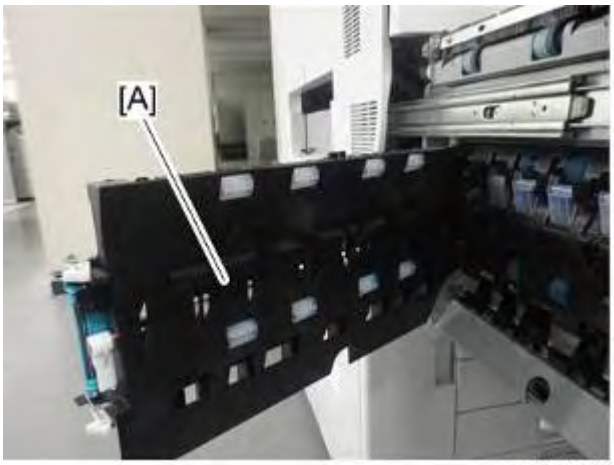
d1352123

2. Open the reverse guide plate [A].



d1351951

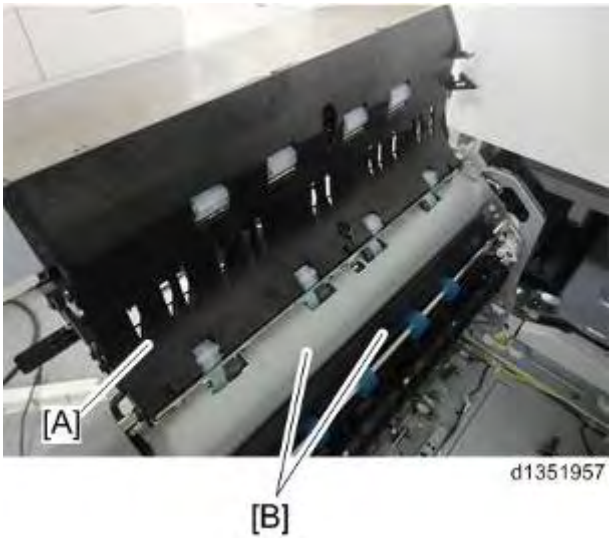
3. Open the paper exit feed guide plate.
4. Wipe the paper exit feed guide plate (left) [A] with a dry cloth.



d1351956

5. Hold up the paper exit guide plate [A].

6. Wipe the paper exit feed guide plate (upper/middle) with a dry cloth.



- [A]: Paper exit feed guide plate (Upper)
- [B]: Paper exit feed guide plate (Middle)

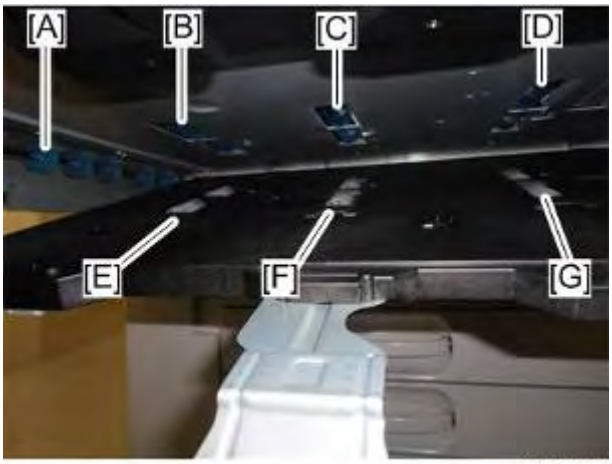
Duplex Unit Roller 1st to 4th (Drive/Idle)

1. Pull out the drawer unit [A].

2. Push down the guide plate [A].

d1351958

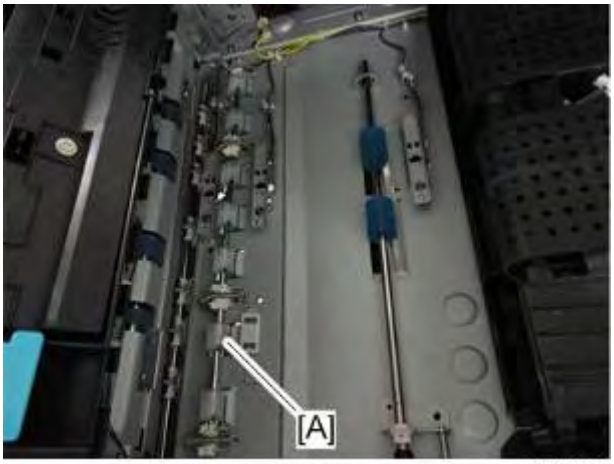
3. Wipe the duplex feed roller 1st to 4th (drive) and duplex feed roller 2nd to 4th (idle) with a damp cloth.



d1351959

- [A]: Duplex feed roller 1st (Drive)
- [B]: Duplex feed roller 2nd (Drive)
- [C]: Duplex feed roller 3rd (Drive)
- [D]: Duplex feed roller 4th (Drive)
- [E]: Duplex feed roller 2nc (Idle)
- [F]: Duplex feed roller 3rd (Idle)
- [G]: Duplex feed roller 4th (Idle)

4. Remove the fusing unit. (☛ page 4-211)
5. Wipe the duplex feed roller 1st (idle) [A] with a damp cloth.



d1351960

Duplex Exit Roller (Drive/Idle)

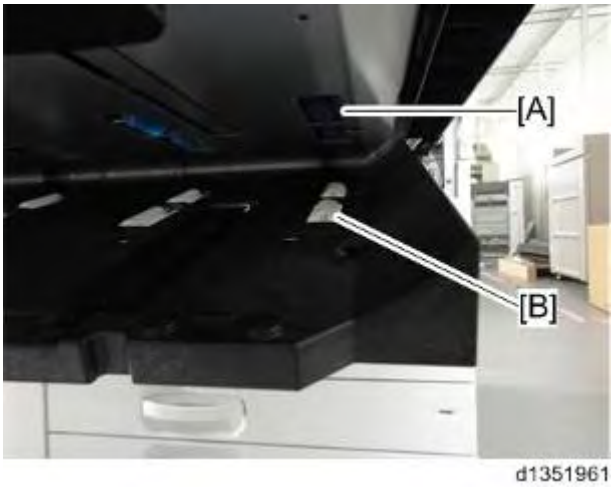
1. Pull out the drawer unit [A].

d1352123

2. Push down the guide plate [A].

d1351958

3. Wipe the duplex exit roller (drive/idle) with a damp cloth.

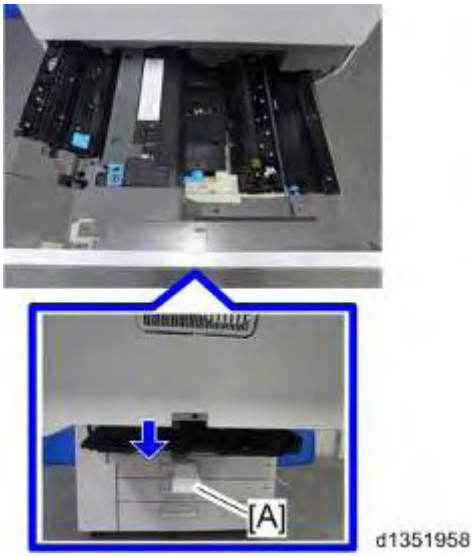


- [A]: Duplex exit roller (Drive)
- [B]: Duplex exit roller (Idle)

Transport Guide Plate (Upper/Lower)

1. Pull out the drawer unit [A].

2. Push down the guide plate [A].



3. Wipe the transport guide plate (upper/lower) with a damp cloth.

- [A]: Transport guide plate (Upper)
- [B]: Transport guide plate (Lower)

Purge Guide Plate (Lower)

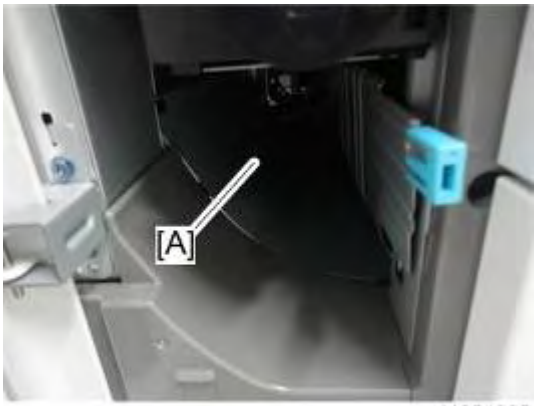
1. Open the purge door [A].

d1351963

2. Move the purge guide plate (lower) [A] to the upright position.

d1351964

3. Wipe the area [A] under the transport guide plate (lower) with a damp cloth.



d1351965

3.7 LUBRICATION POINTS

3.7.1 FUSING

Bearing (Hot Roller/Pressure Roller) Lubrication

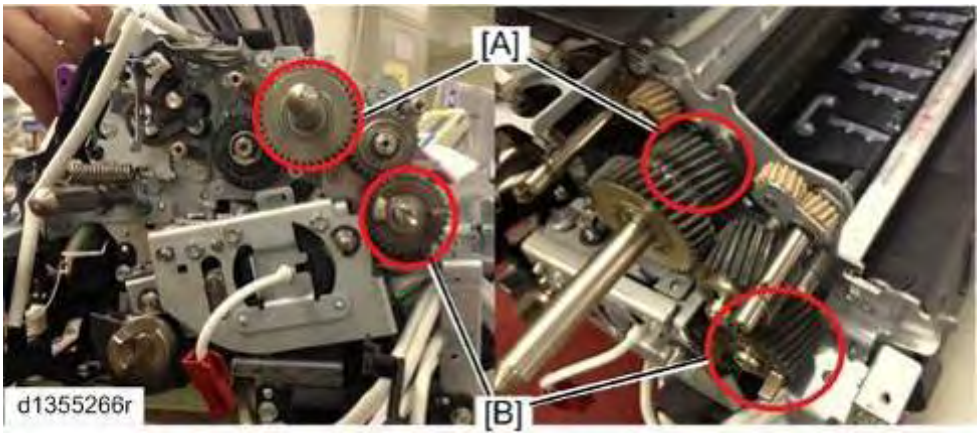
1. Detach the bearing (page 4-230 "Heating Roller, Fusing Roller, Fusing Belt")
2. Use grease (Barrierta S552R) to lubricate the inner surface of the bearing.
3. Rotate the inner surface of the bearing to check if the bearing can rotate smoothly.

Important

- Replace the bearing if it cannot rotate smoothly.

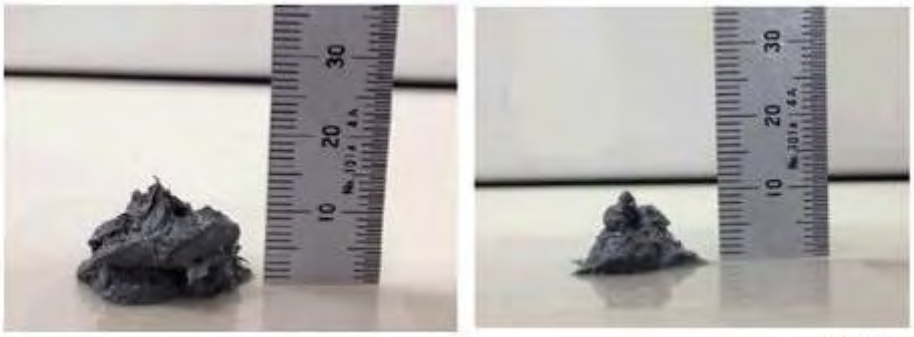
Fusing Gear Lubrication

1. While rotating the gear [B], lubricate the small diameter teeth of the gear [A] and all teeth of the gear [B] circled below.
2. Make sure that grease is applied to all the gears.



[Left]: FLUOTRIBO MG Grease 4.0g

[Right]: FLUOTRIBO MG Grease 1.5g

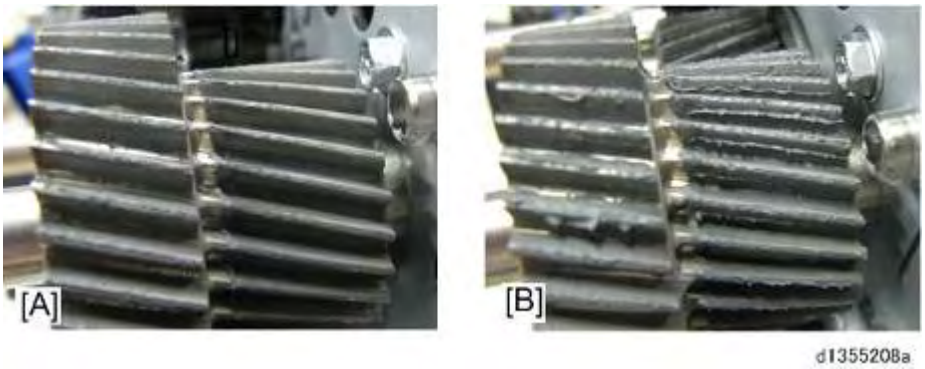


Important

- The max. and min. amount of grease you should use is shown below.

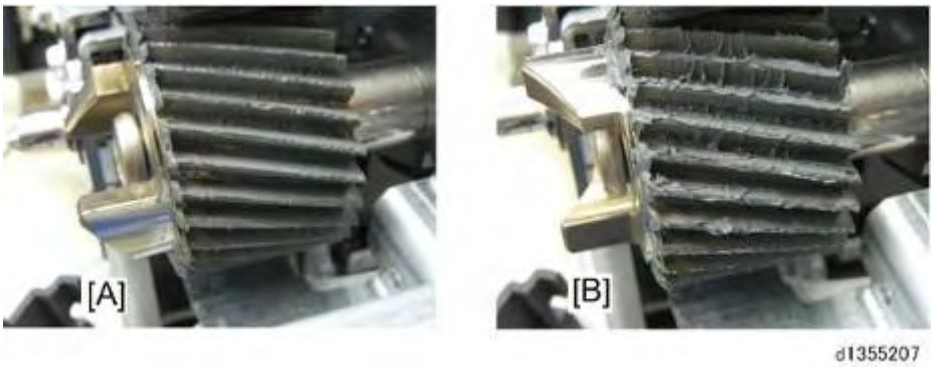
[A]: Min. Amount

[B]: Max. Amount



[A]: Min. Amount

[B]: Max. Amount



REPLACEMENT AND ADJUSTMENT

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
132	10/23/2013	Installing The Scanner Heater
132	04/15/2014	Updated Scanner Heater P/Ns.
141 ~ 143	10/25/2013	Toner shield glass cleaning
152	9/30/2013	OPC Drum
153	2/20/2014	Attaching the new OPC Drum
159 ~ 160	2/20/2014	Assembling the cleaning unit
164 ~ 172	9/26/2013	Removing Old Developer
168	12/18/2013	Adding New Developer (Summary)
178	10/29/2013	Lubrication after replacement
197	2/20/2014	ITB cleaning blade
202 ~ 203	2/20/2014	ITB paper dust cleaning brush roller
250	03/06/2014	Updated "*Fusing Paper Feed Sensor*"
328 ~ 329	4/11/2014	Duplex Invert Solenoid
353	10/23/2013	When Installing the New BCU
354 ~ 355	10/23/2013	Updated *NVRAM Replacement Procedure*.
426 ~ 429	03/17/2014	Updated *Waste Toner Collection*

4. REPLACEMENT AND ADJUSTMENT

4.1 NOTES ON THE MAIN POWER SWITCH

4.1.1 PUSH SWITCH

The main power button of this machine has been changed to a push-button switch (push button) from the conventional rocker switch. The push switch has characteristics and specifications different from the rocker switch. Care must be taken when replacing and adjusting parts.

Characteristics of the Push Switch (DC Switch)

Power is supplied to the machine even when the main power switch is turned OFF.

The push switch in this machine uses DC (direct current). Therefore, if the AC power cord is connected to an electrical outlet, power is supplied to the controller board, the operation unit and other modules even when the main power is turned OFF. When replacing the controller board and the operation unit in this state, not only these boards, it will damage other electrical components.

So, when performing maintenance work such as replacing parts, in addition to turning off the main power with the push switch, always unplug the AC power cord.

When you disconnect the power cord from the AC wall outlet, inside the machine there is still residual charge.

When you disconnect the power cord from the AC wall outlet, inside the machine for a while there is still residual charge. Therefore, if you remove boards in this state, it can cause a blown fuse or memory failure.

- How to remove the residual charge inside the machine

  After you unplug the power cord from the AC wall outlet, in order to remove the residual charge from inside the machine, be sure to press the main power switch. Thus, the charge remaining in the machine is released, and it is possible to remove boards.

When you reconnect the AC power cord into an AC wall outlet, the machine will start automatically.

In order to remove the residual charge, push the main power switch while you disconnect the AC power cord. At that time, the power ON flag inside the machine is set. Therefore, after you finish work on the machine and reconnect the power cord to the AC, even if you do not press the main power switch, the machine will start automatically and the moving parts will begin to move. **When working on moving parts, be careful that fingers or clothes do not get caught.**

Note

- Automatic restart deals with cases when you accidentally unplugged the AC power cord or unexpected power outages. By keeping the power flag ON, after the resumption of power, the machine will start up automatically.

In rare cases, when you reconnect the AC power cord to a power outlet, the machine does not start automatically. In this case, the machine has not failed. The cause is due to the timing of releasing the residual charge. If you press the main power switch while the residual charge was already released, the power ON flag will not be set. At this time, start the machine manually by pressing the main power switch.

Shutdown Method

1. Press the main power switch [A] on the left side of the machine.
2. Take out the power cord
3. Wait 3 minutes (this is the time required if you will remove the rear cover and access the interior of the machine, to take out the controller board for example).

Note: If some LEDs on any of the boards are blinking or lit, current is still flowing.

After the shutdown process, the main power is turned off automatically.

When the shutdown is complete

Main power LED: Off

Operation panel LED: Off

Note

- How to start from shutdown
- To start the machine, press the main power switch. However, if you press the main power switch between the beginning and the end of a shutdown, the machine will not start.

Forced Shutdown

In case normal shutdown does not complete for some reason, the machine has a forced shutdown function.

To make a forced shutdown, press and hold the main power switch for 6 seconds.

In general, do not use the forced shutdown.

Important

- Forced shutdown may damage the hard disk and memory, and can cause damage to the machine. Use a forced shutdown only if it is unavoidable.

4.2 SPECIAL TOOLS AND LUBRICANTS

4.2.1 D137/D138

The following special tools should be prepared for maintenance of this model in the field:

Unique or Common:

U: Unique for this model

C: Common with listed

Item	Part Number	Description	Q'ty	Unique or Common
1	D0159501	ZINC STEARATE	1	C (*1)
2	D0159500	G104 YELLOW TONER	1	C (*1)
3	VSSG9002	FLUOTRIBO MG GREASE: 100G	1	C (*2)
4	B6455020	SD Card	1	C(General)
5	B6456705	PCMCIA Card Adapter	1	C (General)
6	G0219350	Loop-back Connector – Parallel	1	C (General)
7	C4019503	20X Magnification Scope	1	C (General)
8	A0929503	C4 Color Test Chart (3 pcs/set)	1	C (General)
9	B6795100	Plug - IEEE1284 Type C	1	C (General)

Note

- These items are common with the following models.
  (*1): Common with Venus-C2/Venus-C3
  (*2): Common with Taurus-C1
- Loop-back Connector [Parallel (item 6)] requires Plug [IEEE1284 Type C (item 9)].
- A PC (Personal Computer) is required for creating the Encryption key file on an SD card when replacing the controller board in which HDD encryption has been enabled.

4.2.2 D135/D136

The following special tools should be prepared for maintenance of this model in the field:

Unique or Common:

U: Unique for this model

C: Common with listed

Item	Part Number	Description	Q'ty	Unique or Common
1	D0159501	ZINC STEARATE	1	C (*1)
2	D0159500	G104 YELLOW TONER	1	C (*1)
3	VSSG9002	FLUOTRIBO MG GREASE : 100G	1	C (*2)
4	B6455020	SD Card	1	C(General)
5	C4019503	20X Magnification Scope	1	C (General)
6	A0929503	C4 Color Test Chart (3 pcs/set)	1	C (General)
7	A2579300	Grease Barrierta – S552R	1	C (*1)
8	A1849501	OPTICS ADJUSTMENT TOOL	2	C (*3)

Note

- These items are common with the following models.
  (*1): Common with Venus-C2/Venus-C3
  (*2): Common with Taurus-C1
  (*3): Common with Apollon-C2.5/Athena-C2.5
- A PC (Personal Computer) is required for creating the Encryption key file on an SD card when replacing the controller board in which HDD encryption has been enabled.

4.3 OUTER COVERS

4.3.1 RIGHT COVER

Right Middle Front Cover (D137/D138)

1. LCT cover [A] (x 2)

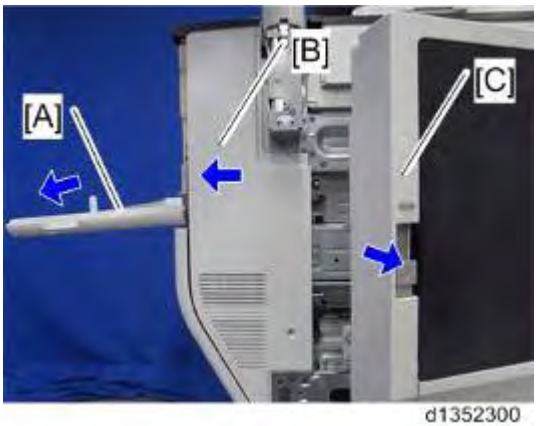
2. Screw covers [B] on the arm cover [A] of the operation panel

3. Arm cover [A] of the operation panel (x 2)

4. Remove the fixing screws of the right middle front cover (x 2)

d1352299

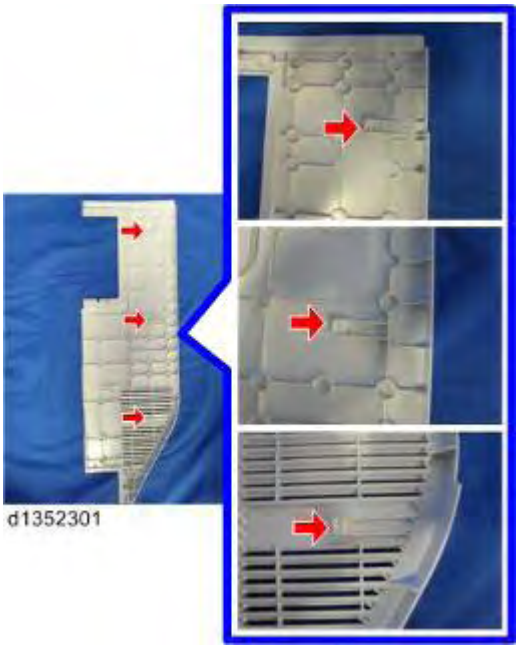
5. Open the toner supply unit front cover [A] and by-pass tray unit [C]. Slide the right middle front cover [B] to the left.



d1352300

Note

- Check the position of the hooks in the photo below before removing.

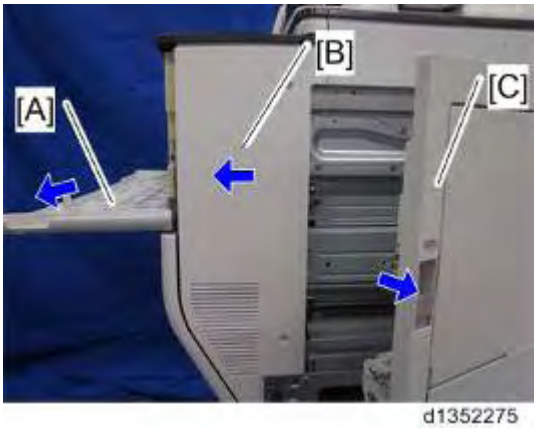

d1352301

Right Middle Front Cover (D135/D136)

1. LCT cover [A] (x 2)

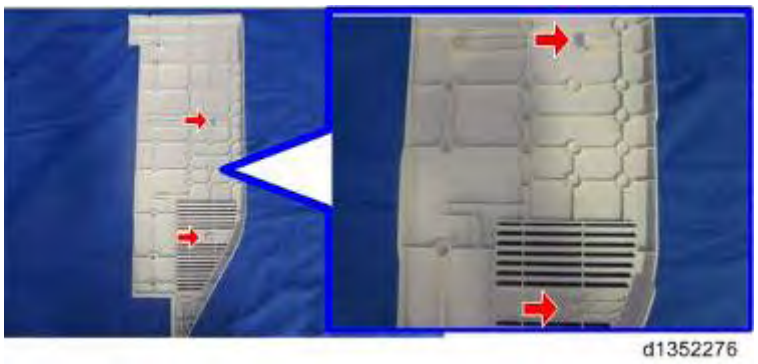
2. Remove the fixing screws of the right middle front cover [A] (x 2)

3. Open the toner supply unit front cover [A] and by-pass tray unit [C]. Slide the right middle front cover [B] to the left.



Note

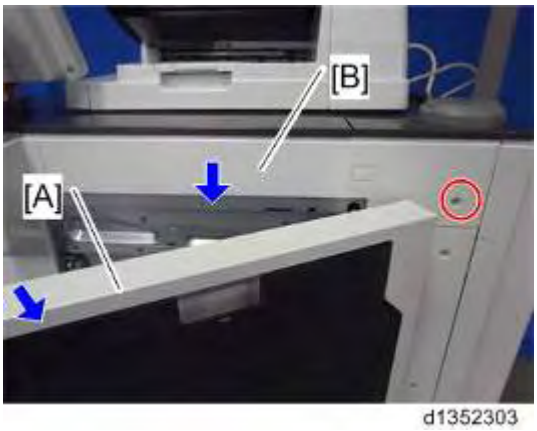
- Check the position of the hooks in the photo below before removing.



Right Middle Upper Cover (D137/D138)

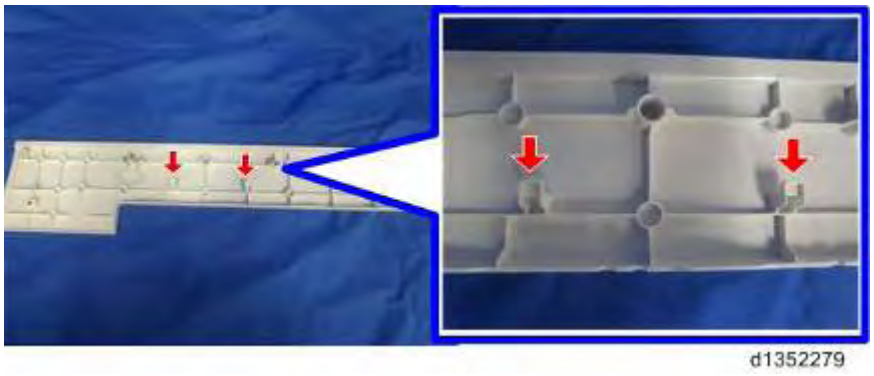
1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the left side of the rear middle cover [B] (x 2).

2. Open the by-pass tray unit [A]. Remove the right middle upper cover [B], moving it downward (x 1).



Note

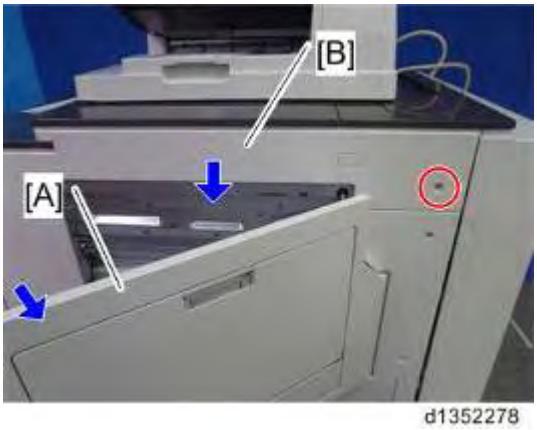
- Check the position of the hooks in the photo below before removing.



Right Middle Upper Cover (D135/D136)

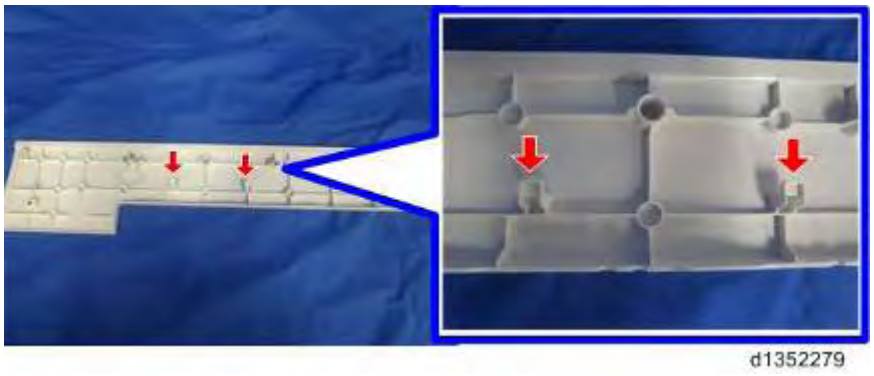
1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the left side of the rear middle cover [B] (x 2).

2. Open the by-pass tray unit [A]. Remove the right middle upper cover [B], moving it downward (x 1).



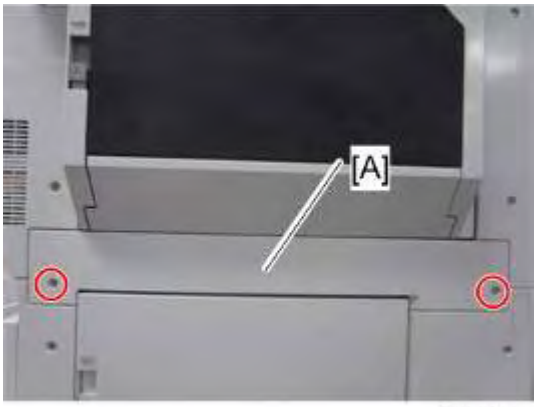
Note

- Check the position of the hooks in the photo below before removing.



Right Middle Rear Cover (D137/D138)

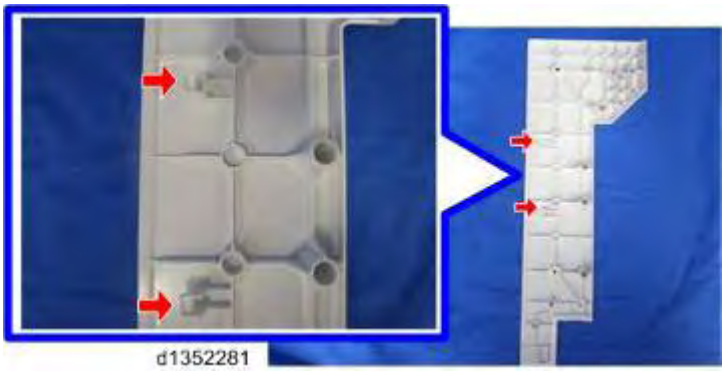
1. Right middle upper cover (D137/D138) (☛ page 4-9)
2. LCT cover [A] (🔩 x 2)



3. Slide the right middle rear cover [A] to the left (🔩 x 2)

Note

- Check the position of the hooks in the photo below before removing.



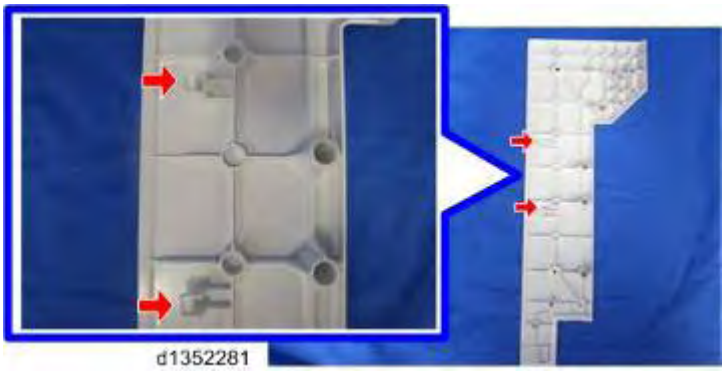
Right Middle Rear Cover (D135/D136)

1. Right middle upper cover (D135/D136) (☛ page 4-10)
2. LCT cover [A] (🔩 x 2)

3. Slide the right middle rear cover [A] to the left (🔩 x 2)

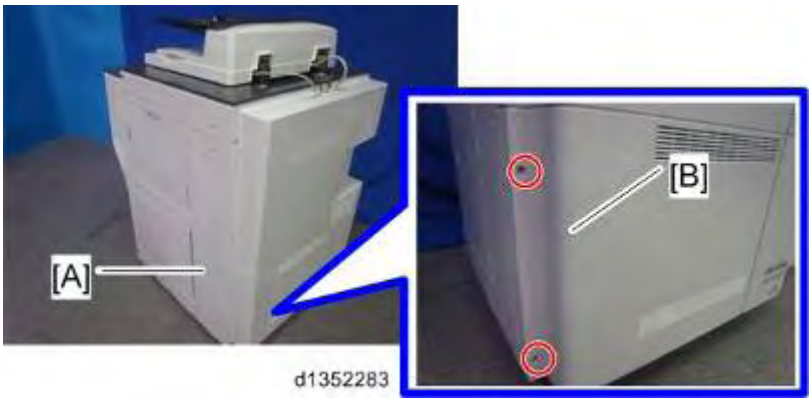
Note

- Check the position of the hooks in the photo below before removing.



Right Lower Cover

1. In order to easily remove the right lower cover [A], remove the fixing screws on the left side of the rear lower cover [B] (x 2).

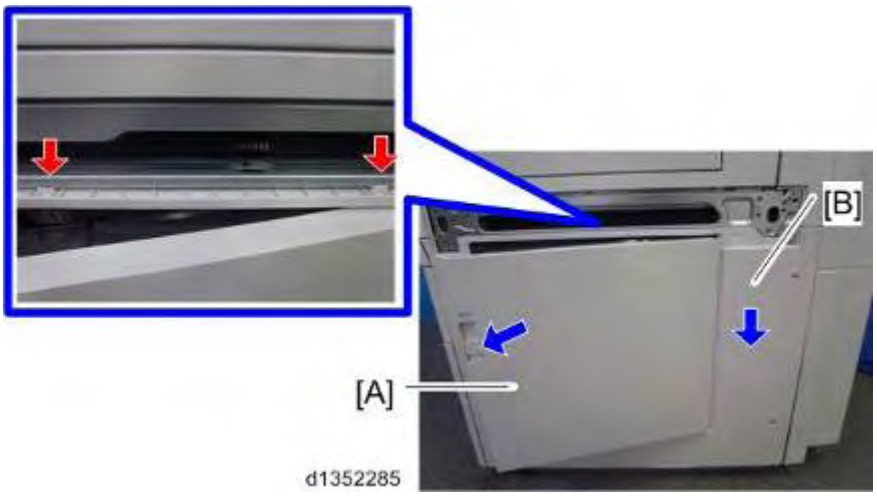


2. LCT cover [A] (x 2)

3. Remove the fixing screws of the right lower cover (x 4).

d1352284

4. Open the vertical tranport door [A]. Remove the hooks (x 2) located on the upper side of the right lower cover [B], then remove by sliding downward.



d1352285

Note

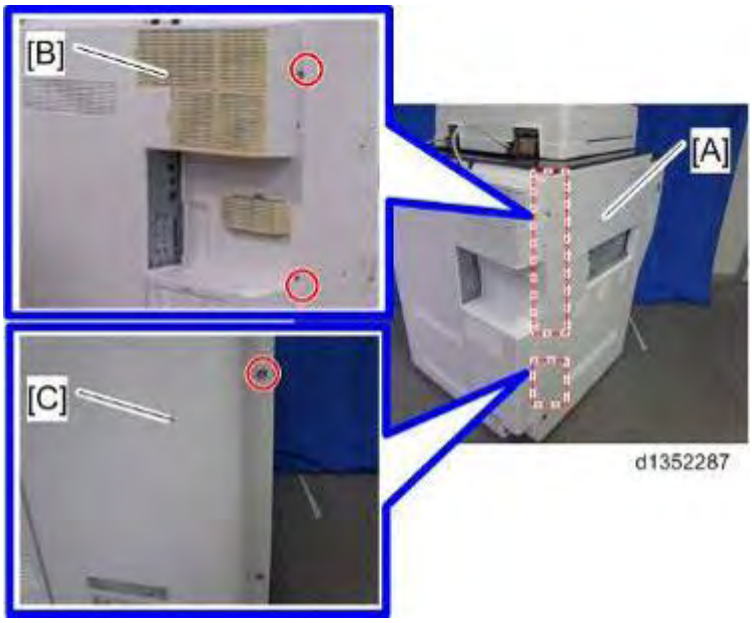
- Check the position of the hooks in the photo below before removing.

d1352286

4.3.2 LEFT COVER

Left Middle Cover

1. In order to easily remove the left middle cover [A], remove the fixing screws on the right side of the rear middle cover [B] and rear lower cover [C] (x 3).

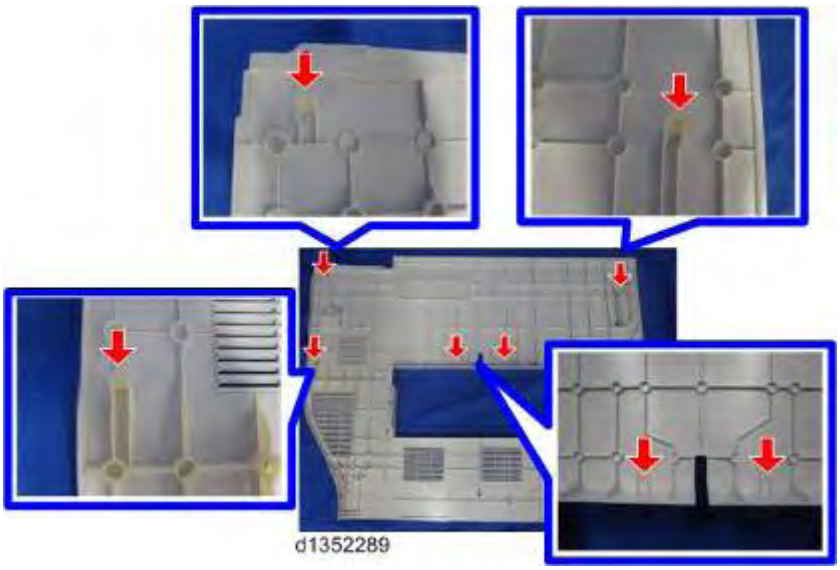


2. Remove the fixing screws of the left middle cover(x 2).

3. Remove the left middle cover [A].

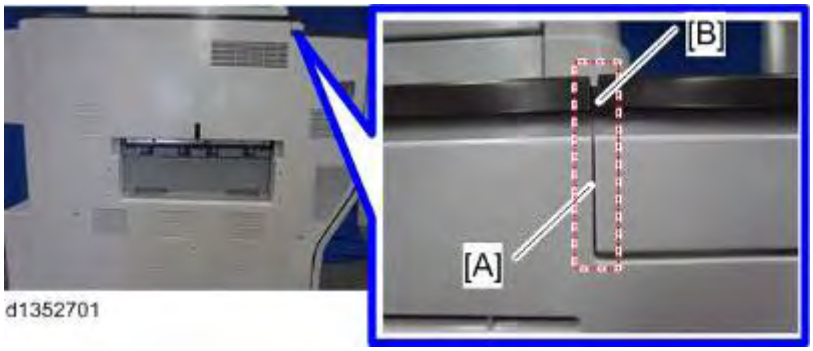
Note

- Check the position of the hooks in the photo below before removing.

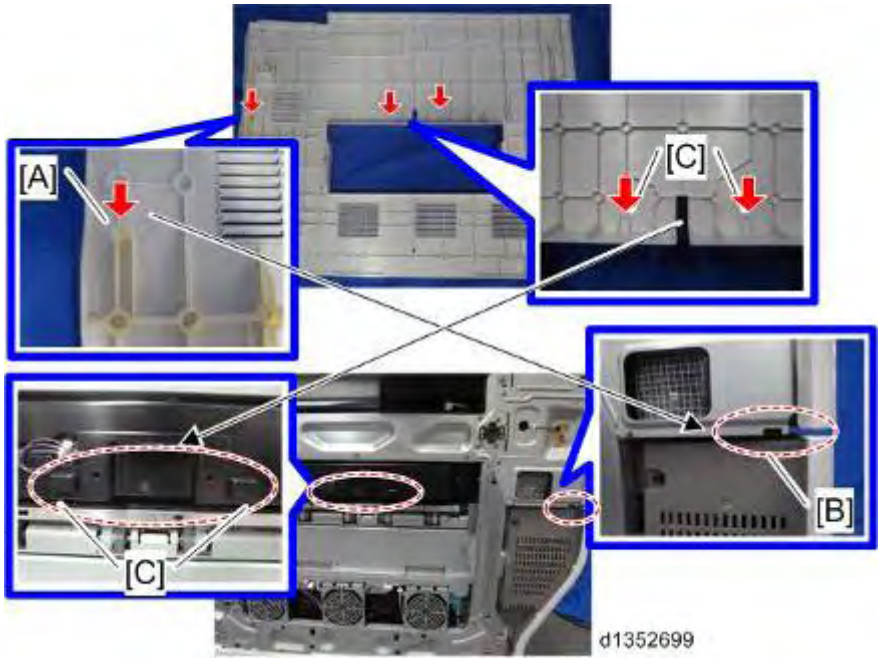


Notes On Left Middle Cover Attachment

- Attach the left middle cover to align the left middle cover [A] and the upper cover [B].



- Attach the hook [A] to fit location [B] on the machine.
- Attach the hook [C] to fit location [D] on the machine.

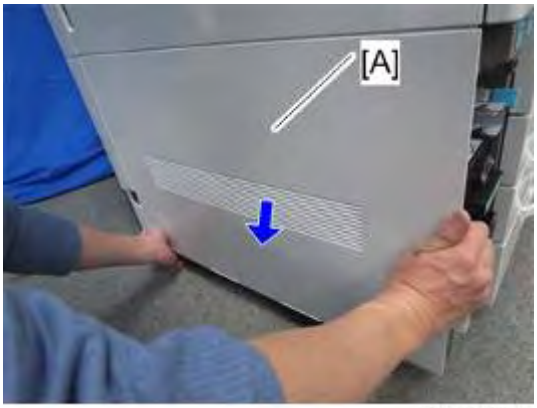


Left Lower Cover

1. Purge cover [A] (pin x 2)

2. Remove the fixing screws of the left lower cover(x 2).

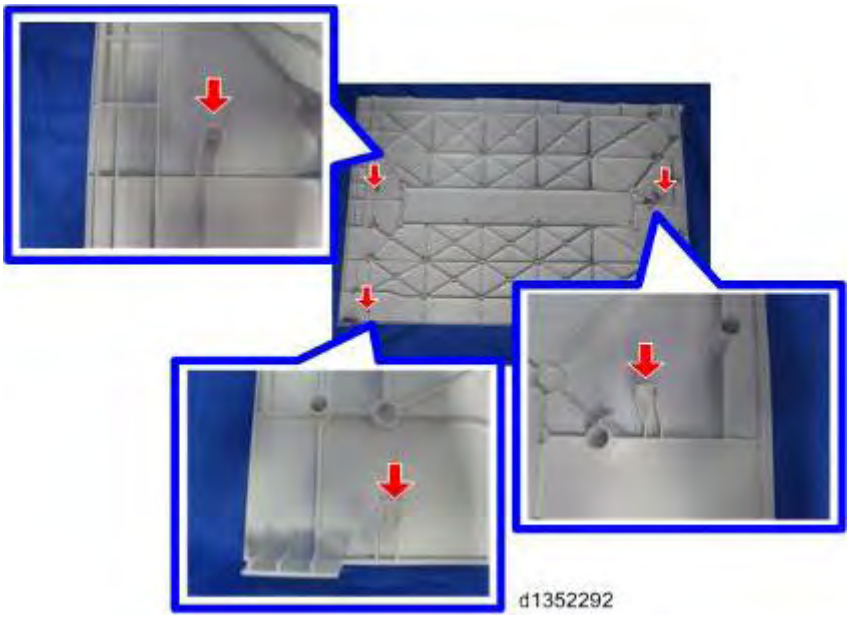
3. While holding the right side of the left lower cover [A], remove it in a downward direction.



d1352700

Note

- Check the position of the hooks in the photo below before removing.

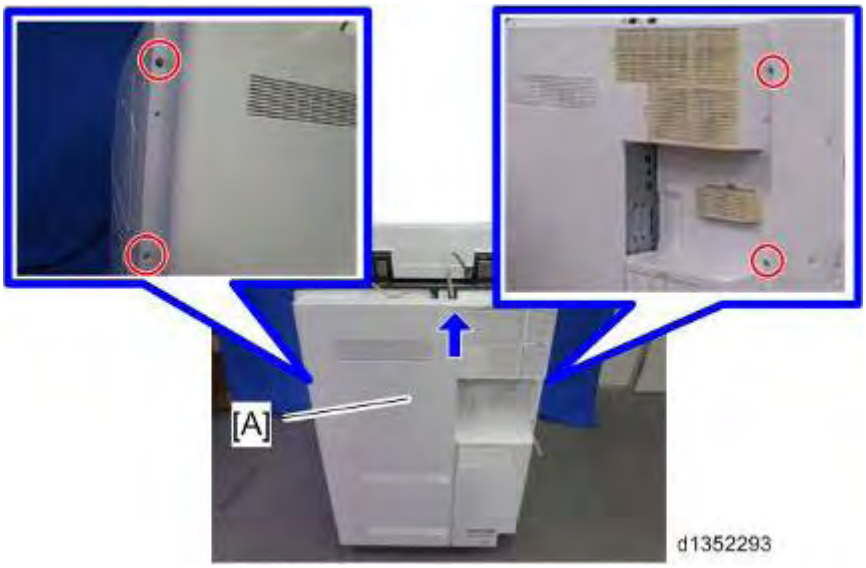


d1352292

4.3.3 REAR COVER

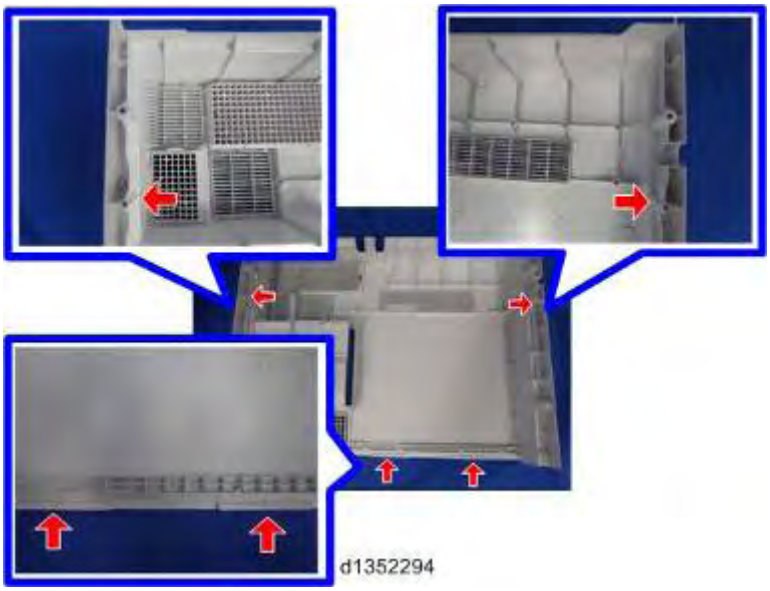
Rear middle cover

1. Remove the rear middle cover [A] by moving it upward (x 4).



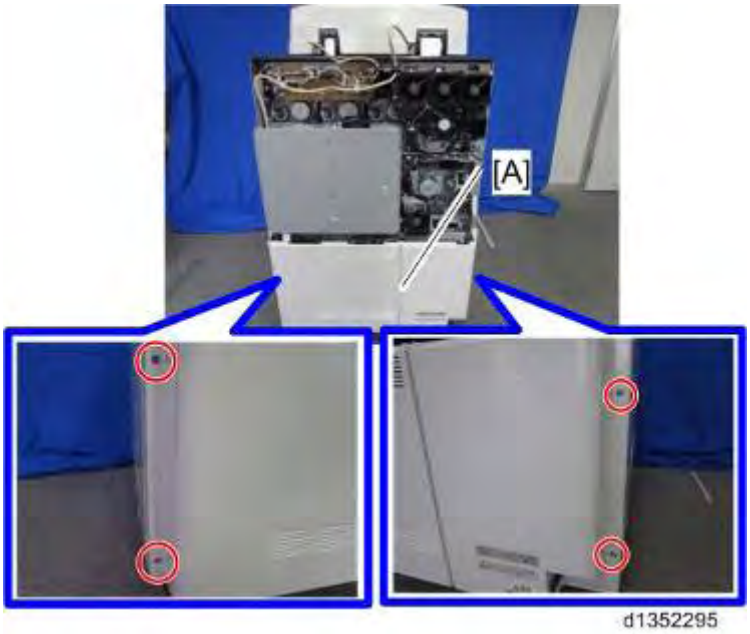
Note

- Check the position of the hooks in the photo below before removing.



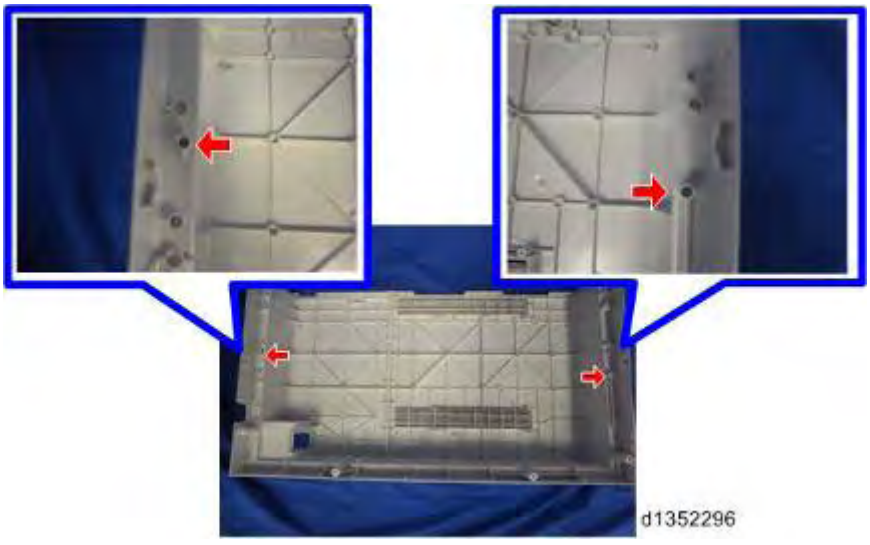
Rear Lower Cover

1. Rear middle cover (☛ page 4-19)
2. Rear Lower Cover [A] (🔩 x 4).



Note

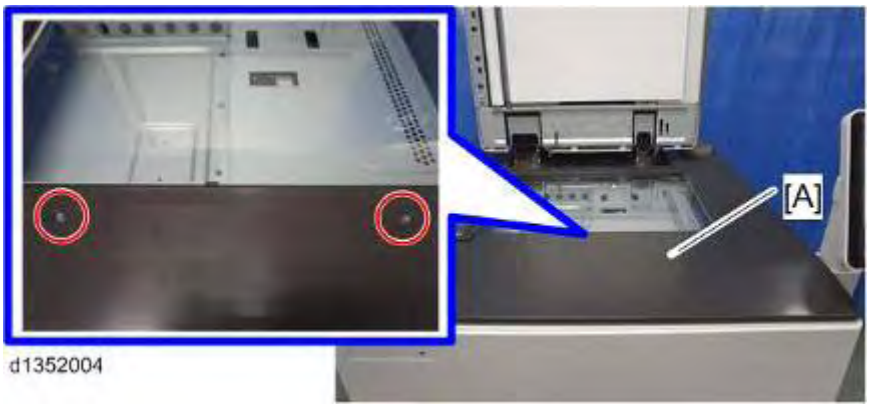
- Check the position of the hooks in the photo below before removing.



4.3.4 UPPER COVER

Upper Front Cover (D137/D138)

1. Open the ADF and remove the fixing screws of the upper front cover [A] (x 2).



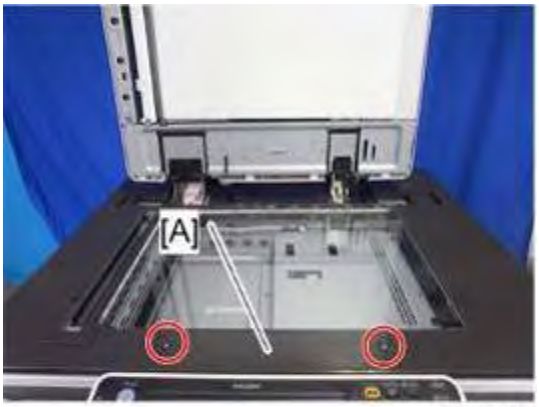
2. Lift the upper front cover [A] and slide it forward.

Note

- Check the position of the hooks in the photo below before removing.

Upper Front Cover (D135/D136)

1. Open the ADF and remove the fixing screws of the upper front cover [A] (x 2).



d1352703

2. Disconnect the left hook of the upper front cover [A].

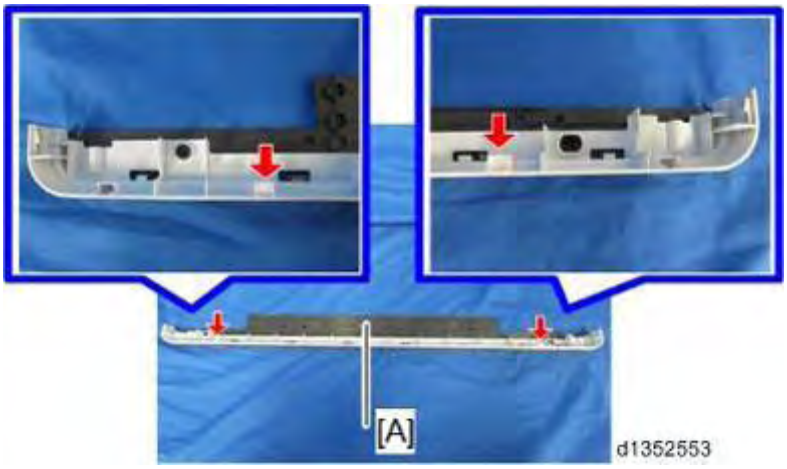
d1352706

3. Slide the upper front cover [A] to the right.

d1352707

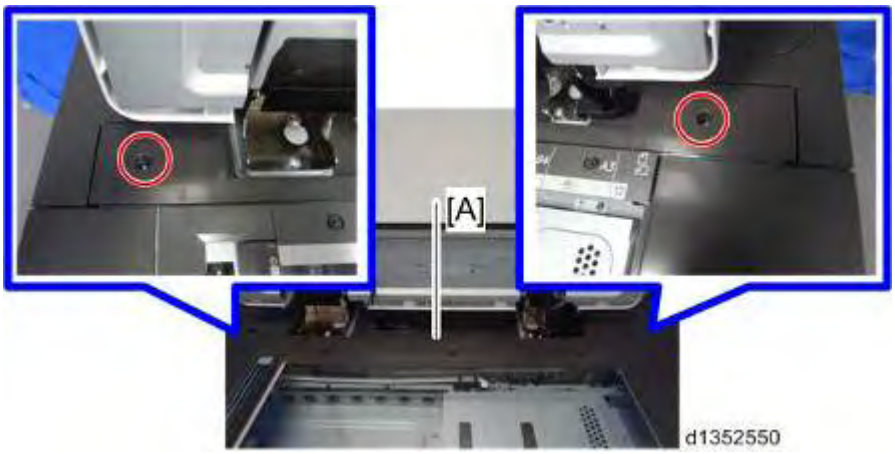
Note

- Check the position of the hooks in the photo below before removing.



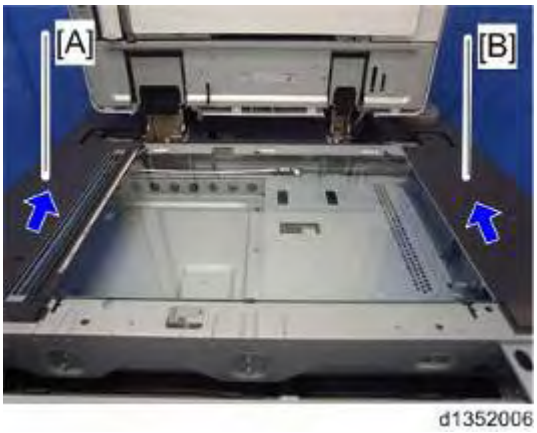
Upper Rear Cover (Small)

1. Open the ADF and remove the fixing screws of the upper rear cover (small) [A] (x 2).



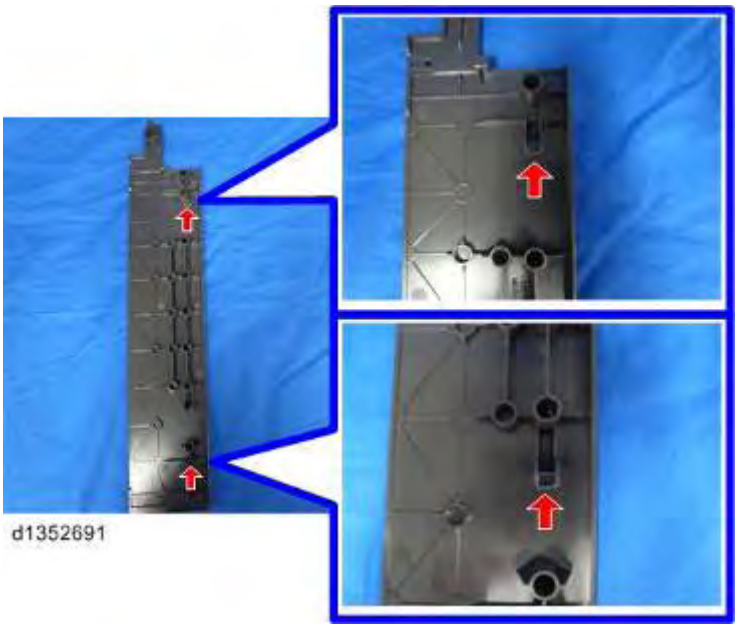
Upper Left Cover/ Upper Right Cover

1. Upper front cover (☛ D137/D138: page 4-21, D135/D136: page 4-22)
2. Upper rear cover (small) (☛ page 4-23)
3. Remove the upper left cover [A] and upper right cover [B] by sliding them toward the rear.



Note

- Check the position of the hooks in the photo below before removing.
- Upper left cover

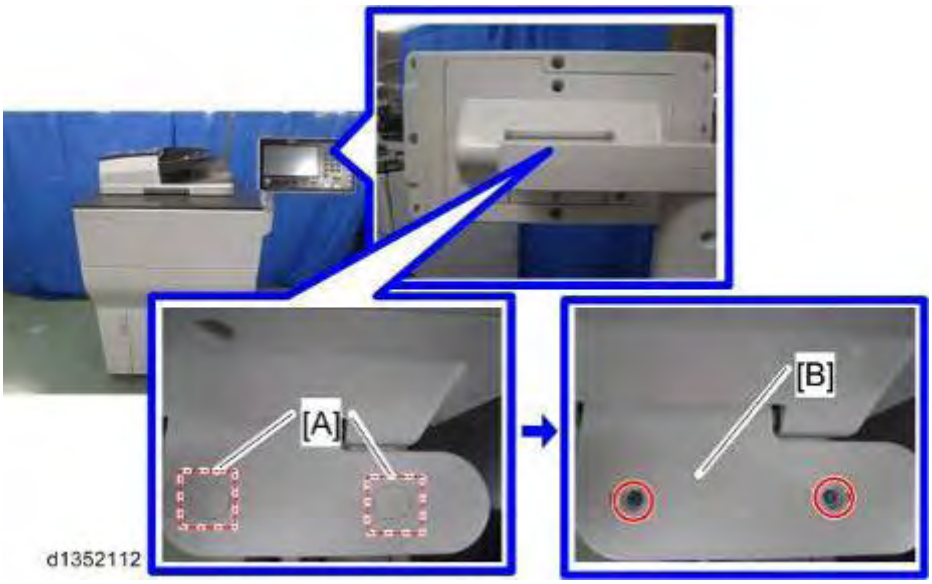


- Upper right cover

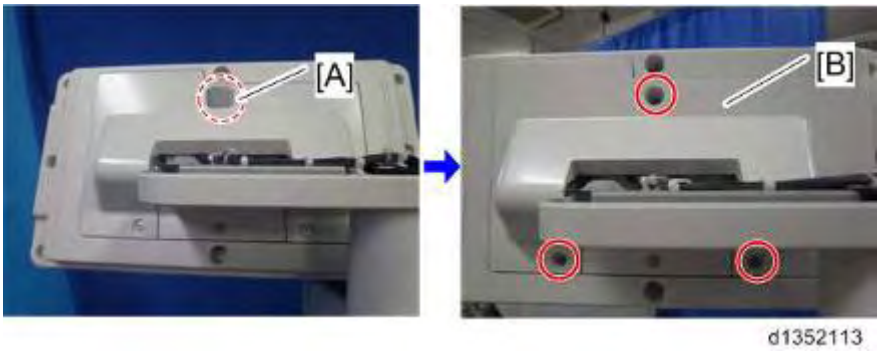
4.4 OPERATION PANEL (D137/D138)

4.4.1 OPERATION PANEL

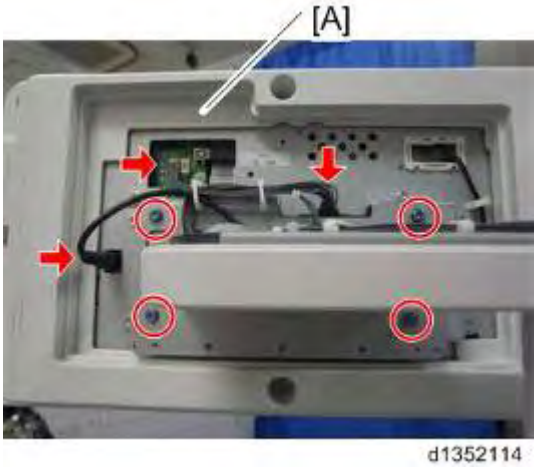
1. Remove the screw covers [A] on the back of the operation panel. Remove the arm upper cover [B] (x 2).



2. Screw cover [A] and the rear cover [B] (x 3)



3. Operation panel (x 4, x 3)

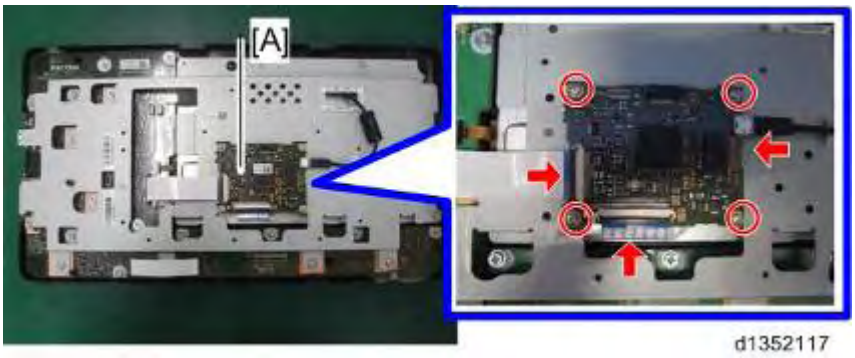


4.4.2 LDCD BOARD

1. Operation Panel (☛ page 4-25)
2. Rear cover [A] (x 8)

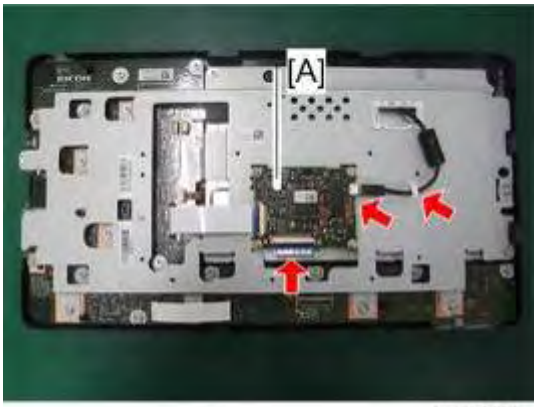
3. Bracket [A] (x 10)

4. LDCD board [A] (x 4, x 1, x 2, flat cable x 2)



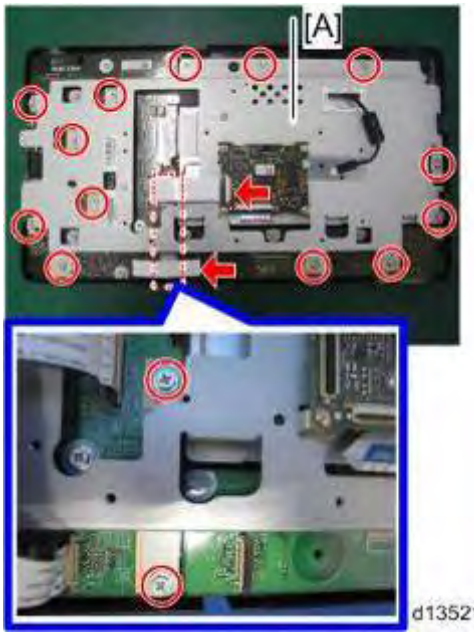
4.4.3 OPU BOARD / OPR BOARD

1. Remove the connector and the clamp that is connected to the LDCD board [A] (x 1, x 1, flat cable x 1).



d1352118

2. Bracket [A] (x 15, flat cable x 2)

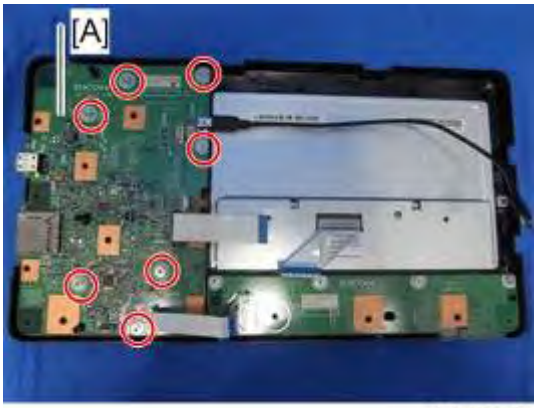


d1352119

3. OPU board (x 4)

d1352120

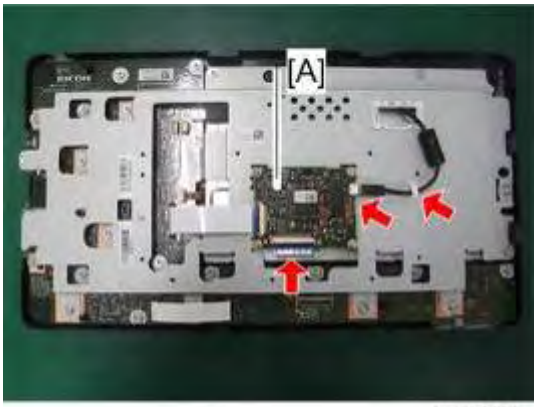
4. OPR board (x 7)



d1352121

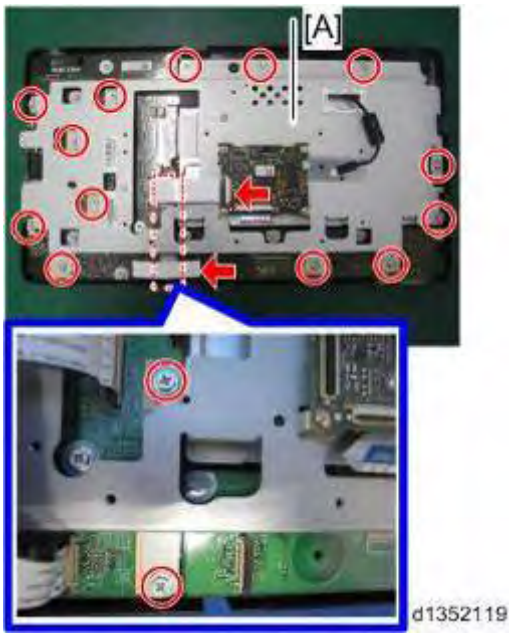
4.4.4 LCD BOARD (TOUCH PANEL UNIT)

1. Remove the connector and the clamp that is connected to the LDCD board [A] (x 1, x 1, flat cable x 1).



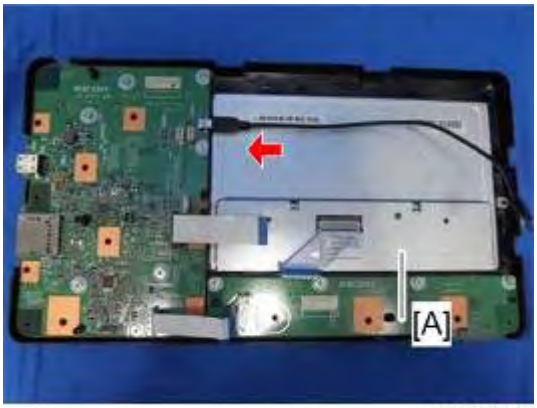
d1352118

2. Bracket [A] (x 15, flat cable x 2)



d1352119

3. LCD Board (Touch Panel Unit) [A] (x 1)


[A]
d1352122

4.5 OPERATION PANEL (D135/D136)

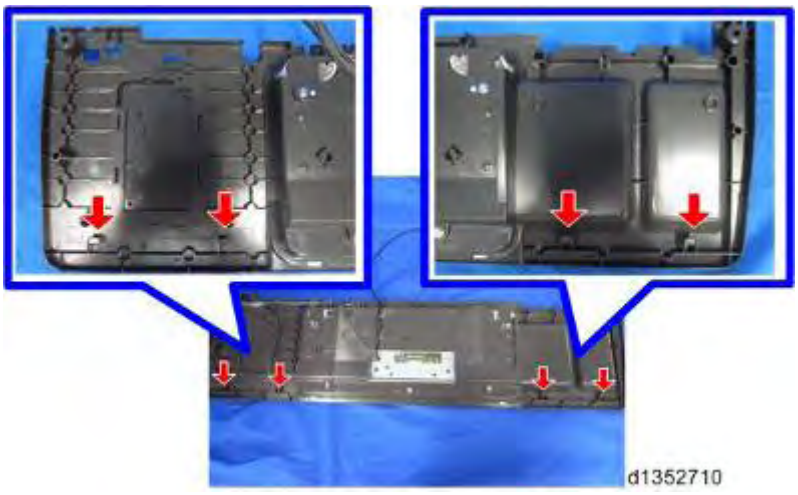
4.5.1 OPERATION PANEL

1. Upper right cover (☛page 4-23 "Upper Left Cover/ Upper Right Cover")
2. Remove the fixing screws and connectors of the operating unit [A] (x 2, x 2)

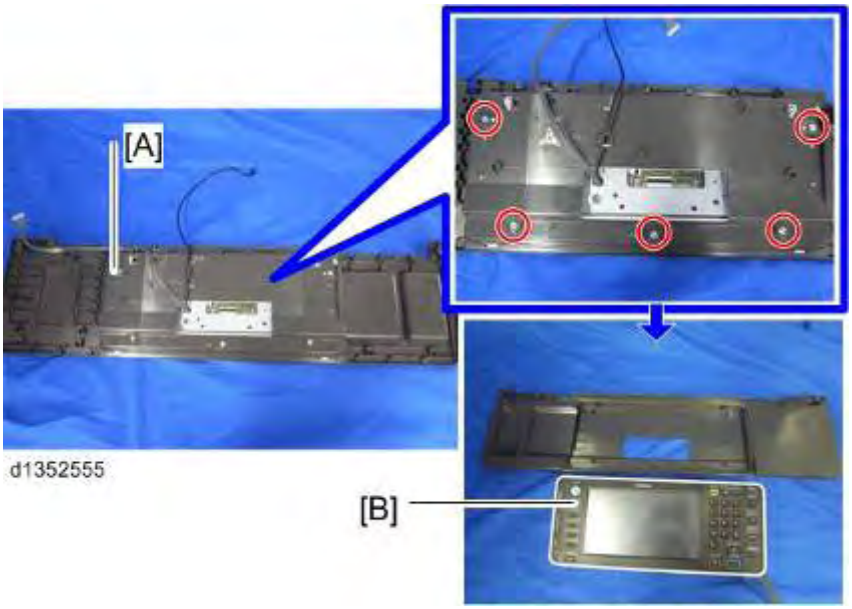
3. Slide the operation panel [A] and lower cover [B] forward.

Note

- Check the position of the hooks in the photo below before removing.

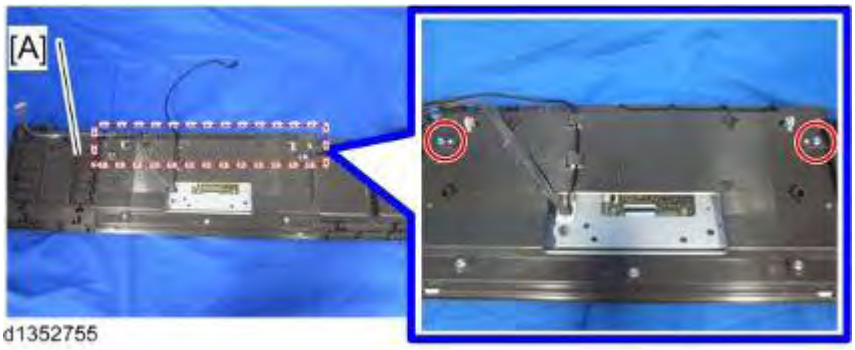


4. Remove the operation panel [B] from the lower cover [A] (x 5).



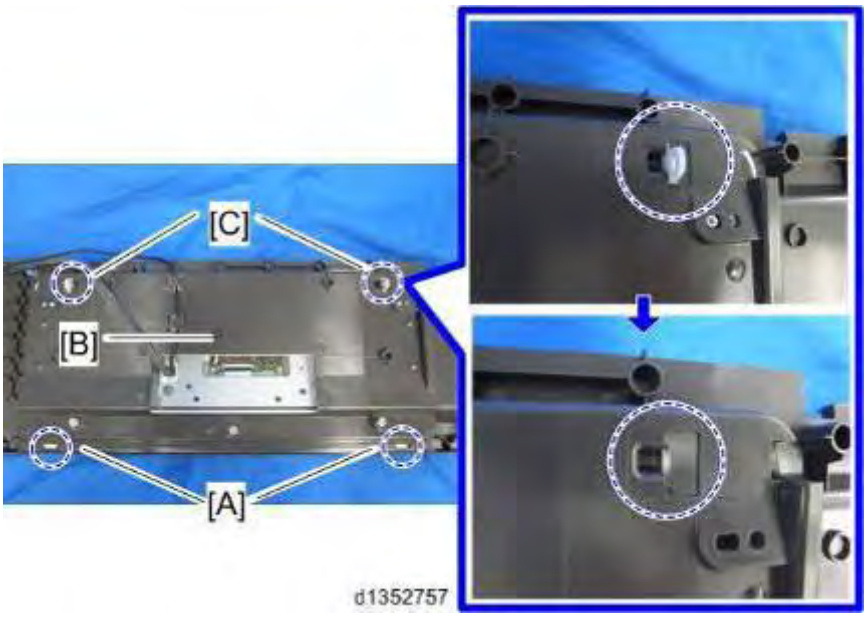
4.5.2 TOUCH PANEL CALIBRATION

1. Operation Panel (page 4-30)
2. Turn the operation panel (including the lower cover) [A] and remove the fixing screws (x 2,).



3. For tilt adjustment, loosen the screws in three places.

4. Lift the lower cover [B] to pivot the hooks [A] on the front side. Then align the cover [B] with the ribs [C].



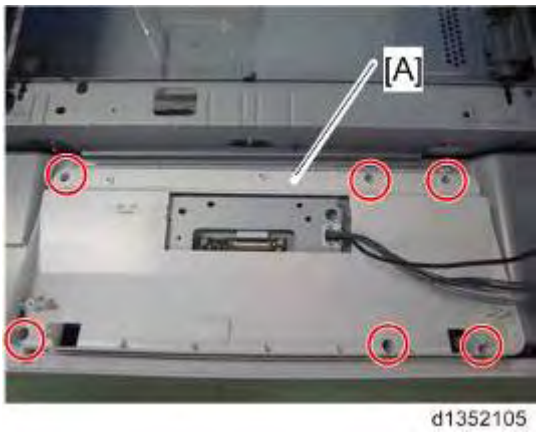
1. Fix the ribs and lower cover with the screws you removed in step 2 (x 2,).

   e.g.: right side

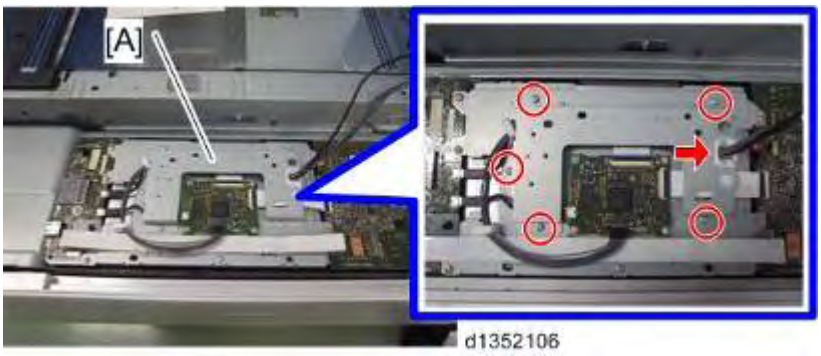
2. Tighten the screws in three places to fix the operation panel.

4.5.3 LDCD BOARD

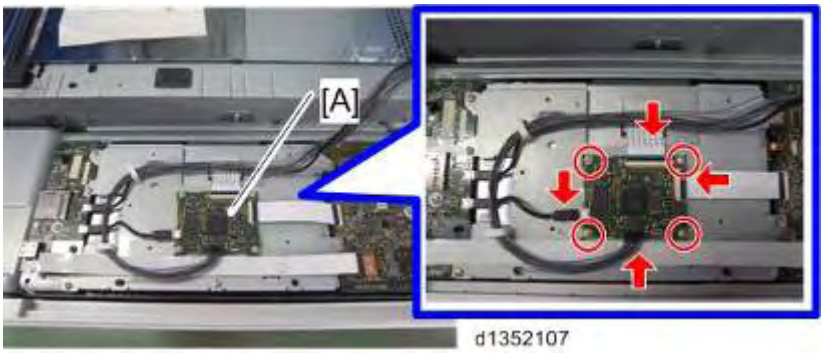
1. Operation Panel (☛ page 4-30)
2. Middle cover [A] (🔩 x 6)



3. Bracket [A] (🔩 x 5, 🔌 x 1)

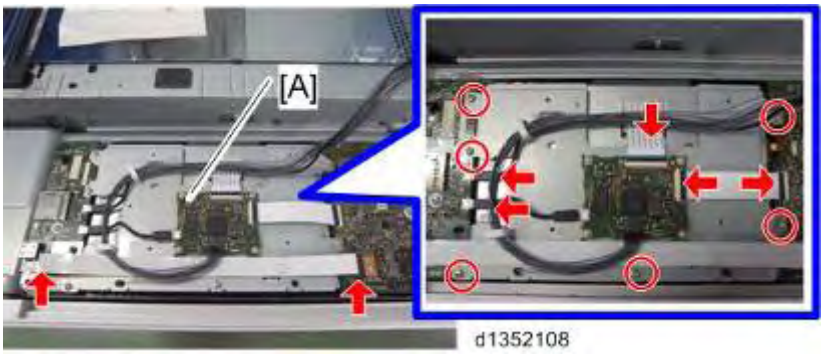


4. LDCD board [A] (🔩 x 4, 🔌 x 2, flat cable x 1)



4.5.4 OPU BOARD / OPR BOARD

1. LDCD board [A] along with the bracket (x 6, x 2, flat cable x 5)

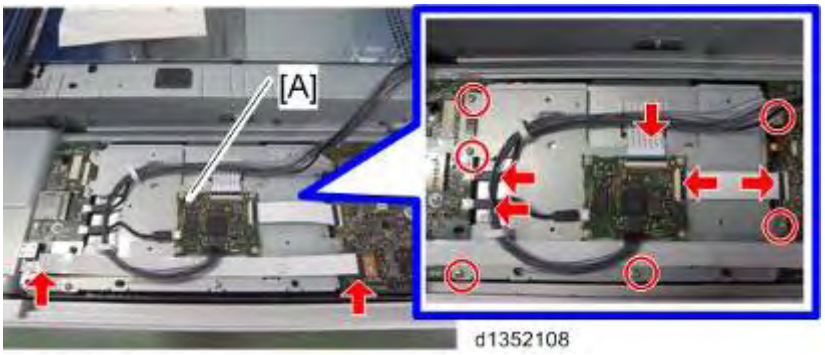


2. OPU board (x 1)

3. OPR board (x 6)

4.5.5 LCD BOARD (TOUCH PANEL UNIT)

1. LDCD board [A] along with the bracket (x 6, x 2, flat cable x 5)

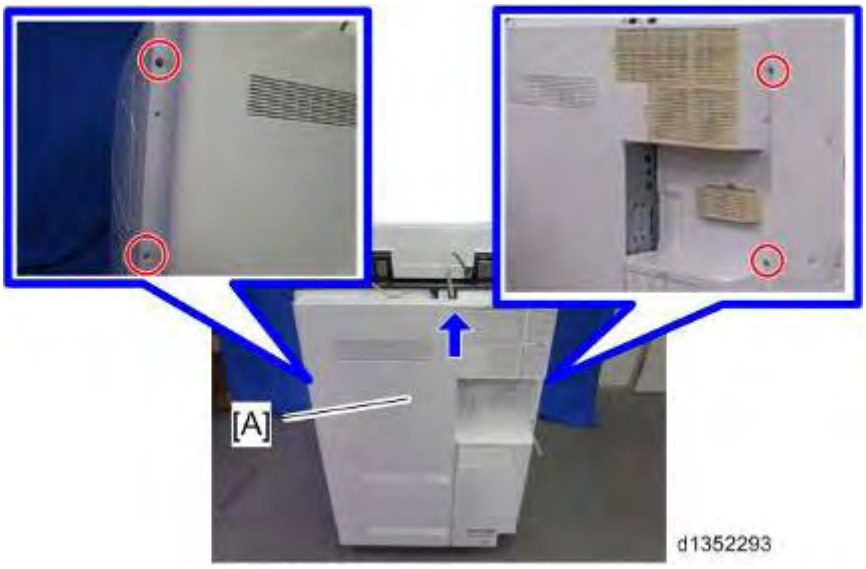


2. LCD Board (Touch Panel Unit) [A]

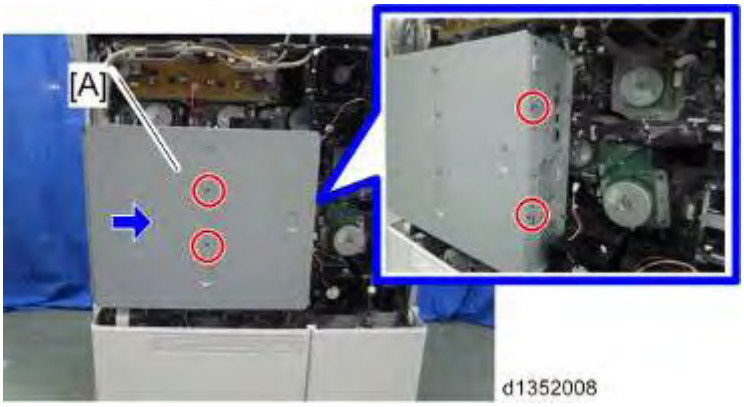
4.6 ADF

4.6.1 ADF REMOVAL

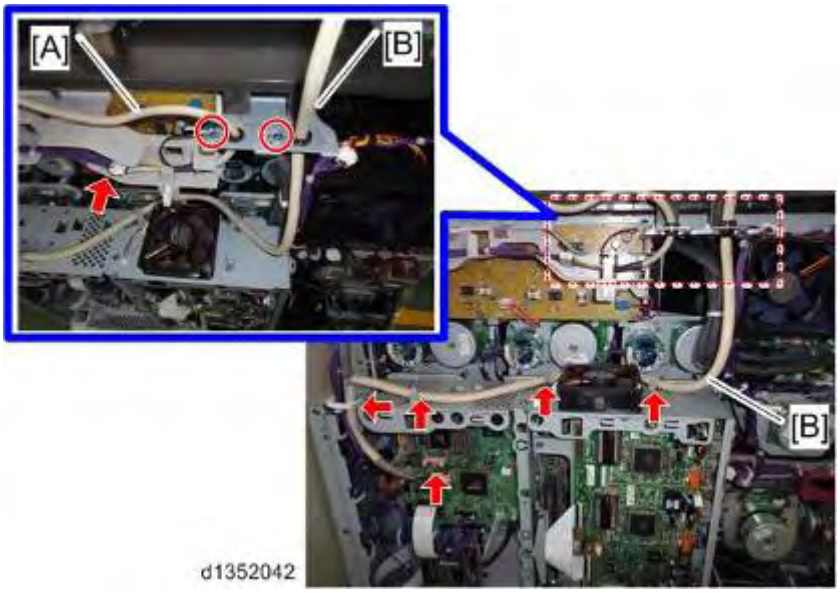
1. Remove the rear middle cover [A] by moving it upward (x 4).



2. Controller box cover [A] (x 4).

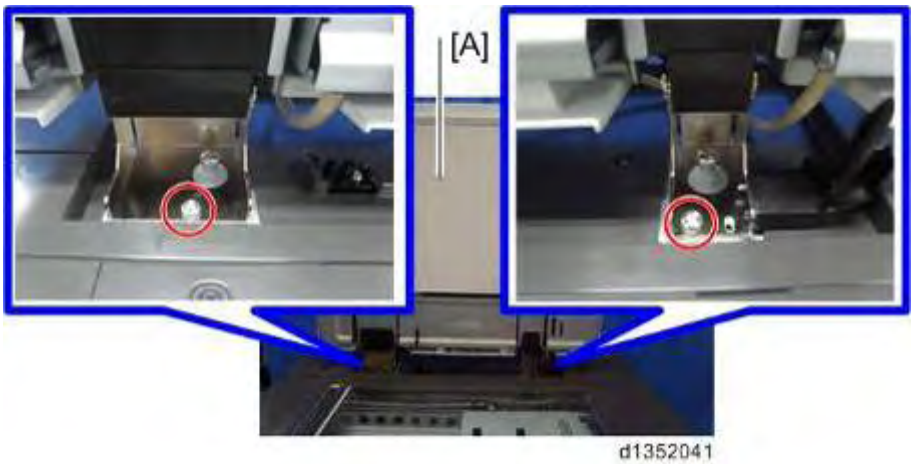


3. Disconnect the interface cable [A] (x 1, x 1) and CIS unit cable [B] (x 1, x 1, x 4) from the rear of the machine.



4. Open the ADF [A].

5. Remove the fixing screws of the ADF (x 2).



6. While holding the left and right sides of the ADF, lift up to remove it.

Note

- Because of the weight of the ADF, handle with care.

4.6.2 ADJUSTMENT AFTER REPLACING THE ADF

CIS RGB Adjustment

Enter the four-digit numeric values for RGB that are listed on the paper that comes with the ADF into the following SP.

R: SP4-712-001 (CIS GB Adj Value: R)

G: SP4-713-001 (CIS GB Adj Value: G)

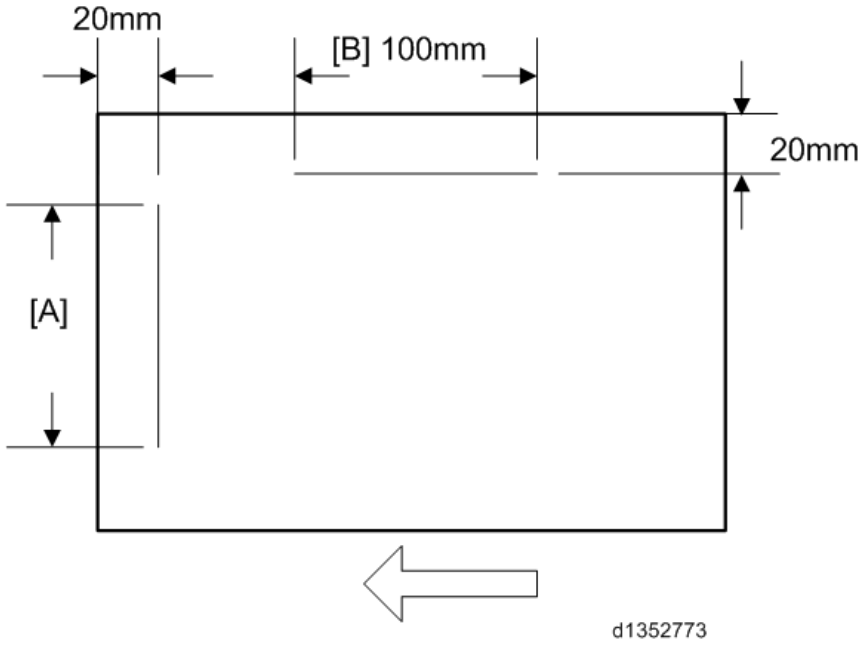
B: SP4-714-001 (CIS GB Adj Value: B)

Checking the vertical registration

SP6-006-001 (ADF Adjustment Side-to-Side Regist: Front)

SP6-006-002 (ADF Adjustment Side-to-Side Regist: Rear)

1. Create an original as shown in the following picture.



*The arrows indicate the direction of feed.

2. Copy the original and make sure that the position of the line [A] is within 0±1mm
3. If not within the standard, adjust with the SP modes.

Checking the horizontal registration

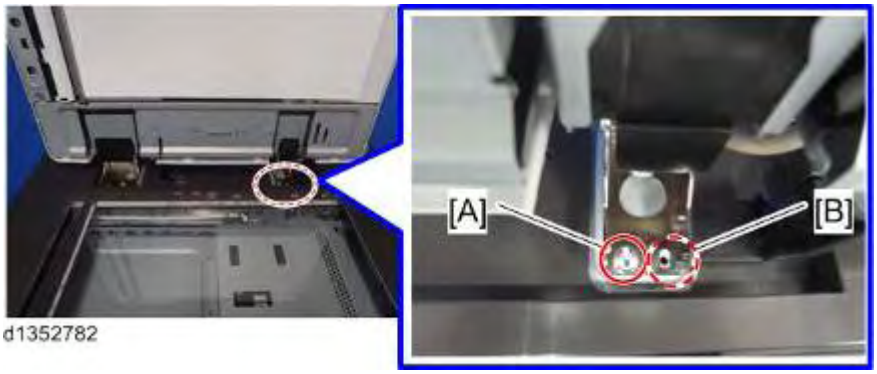
SP6-006-010 (ADF Adjustment L-Edge Regist (1-Pass): Front)

SP6-006-011 (ADF Adjustment L-Edge Regist (1-Pass): Rear)

1. Copy the original and make sure that the position of the line [B] is within 0±2mm.
2. If not within the standard, adjust with the SP modes.

Checking the skew

1. Make sure that the difference between both end positions of the line [A] is within 0±2mm.
2. If not within the standard, change the position of the fixing screw [A] to the long hole [B] at the right hinge.



Checking the magnification

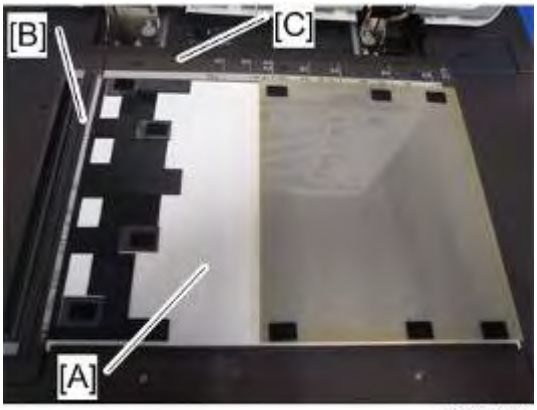
SP6-017-001 (DF Magnification Adj.)

1. Copy the original and make sure that the length of the line [B] is within 100±1mm.
2. If not within the standard, adjust with the SP mode.

Platen Adjustment

1. Open the ADF and remove the white cover (magic tape x 10).

2. Put the white cover [A] in the correct position on the exposure glass, aligning it with the glass cover [B] and the rear scale [C].



d1352783

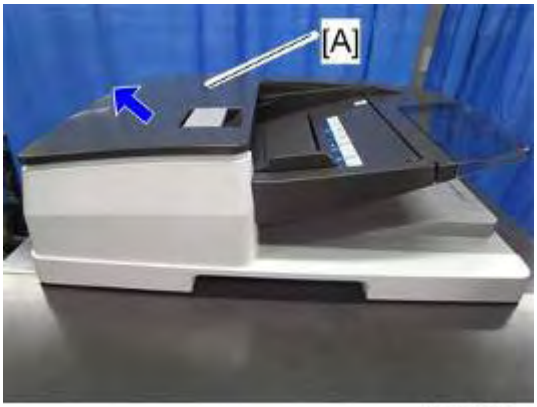
3. Close the ADF [A] slowly and paste the ADF and the white cover [B] with the magic tapes.

d1352784

4.6.3 ADF COVER

ADF Front Cover

1. Open the feed cover [A].



2. Slide the ADF front cover [A] to the left (x 2, hook x 4).

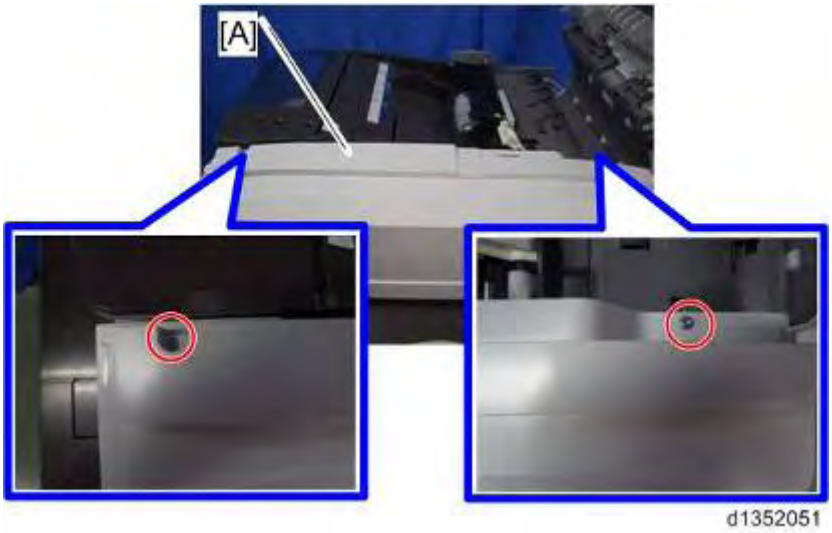
Note

- Check the position of the hooks in the photo below before removing.

ADF Rear Cover

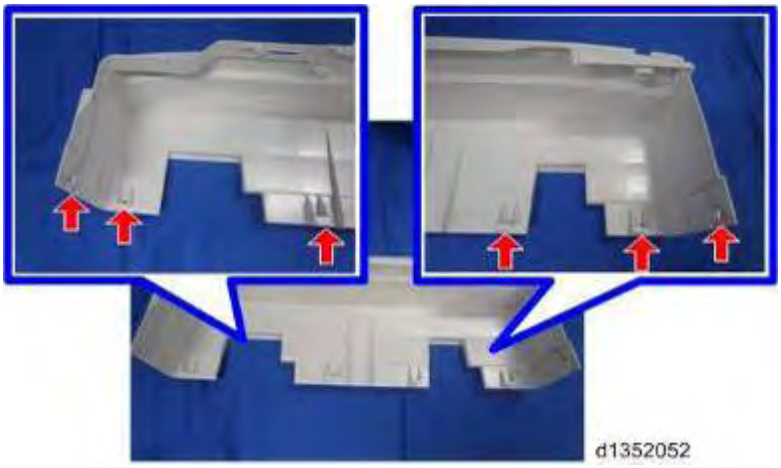
1. Open the feed cover [A].
2. Cover [A] (x 1).

3. Lift off the rear cover [A] (x 2, hook x 4).



Note

- Check the position of the hooks in the photo below before removing.

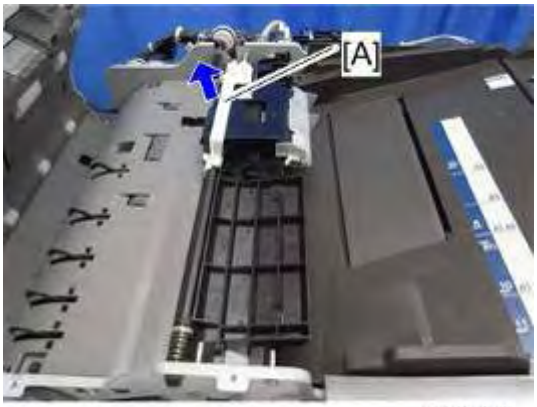


Feed Cover

1. ADF front cover (☛ “ADF Front Cover” in page 4-41 "ADF Cover")
2. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
3. Feed cover [A] (x 3, x 1)

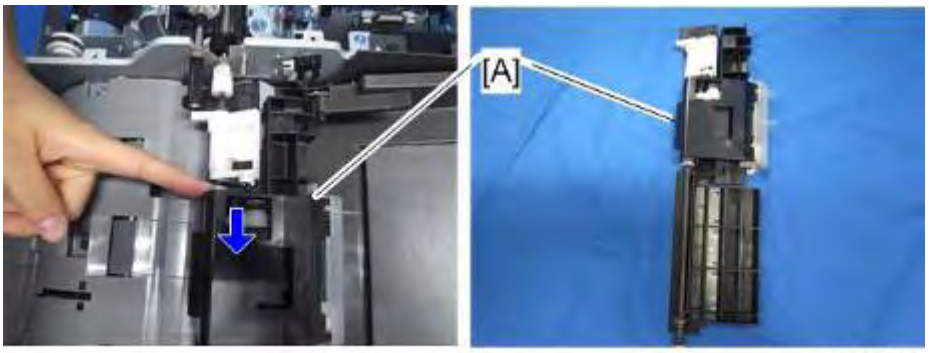
4.6.4 ORIGINAL FEED UNIT

1. Open the feed cover.
2. Remove the snap-fit [A].



d1352054

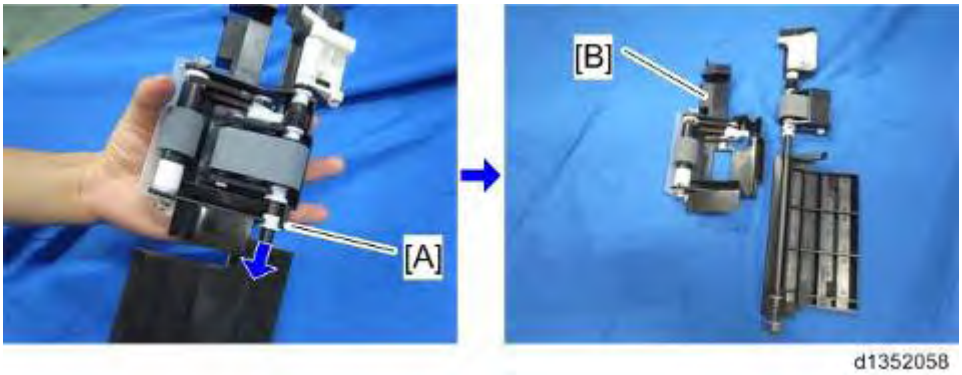
3. Original feed unit [A] (Pull the original feed unit, remove the back side of the shaft. Then, remove the bushing in the foreground.)



d1352055

4.6.5 PICK-UP ROLLER / TRANSPORT BELT

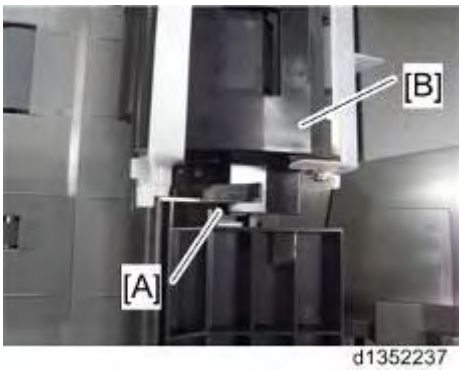
1. Original feed unit (☛ page 4-44)
2. Slide the resin bushing [A], and then remove the pick-up roller unit [B].



d1352058

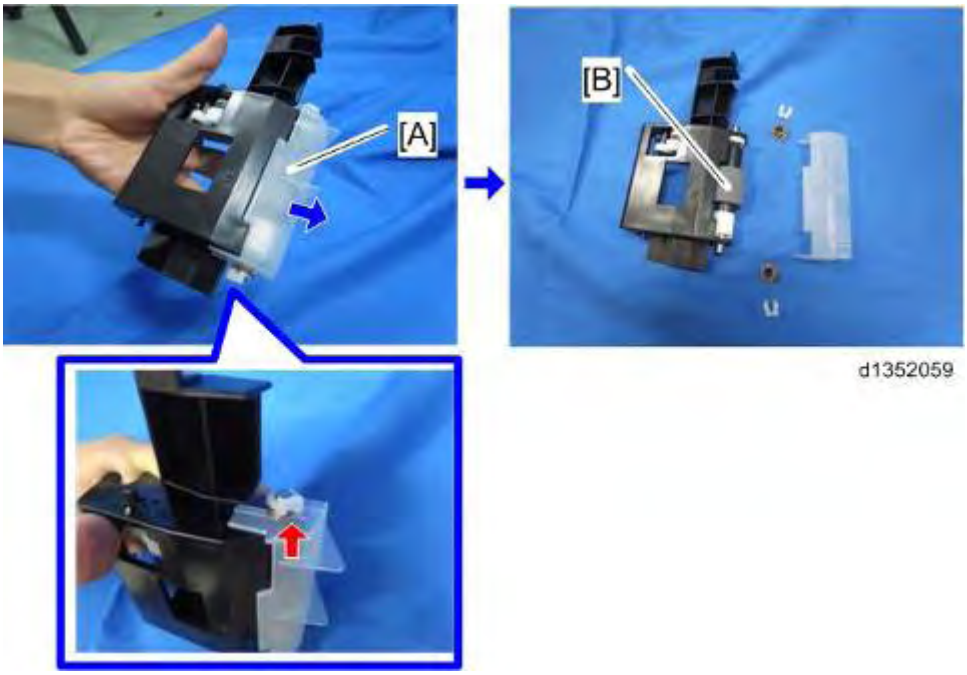
Note

- At re-assembly, make sure that the tab on the front guide plate [A] is above the pick-up roller [B].



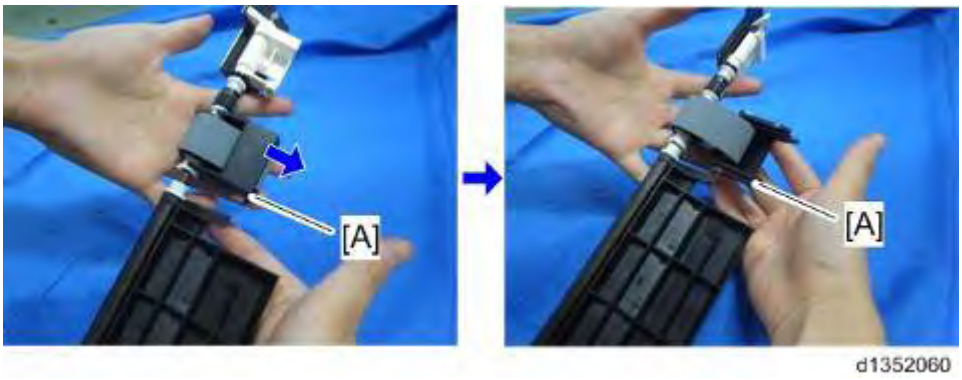
d1352237

3. Pick-up roller cover [A] and pick-up roller [B] (snap-fit x 2, bushing x 2, one-way clutch x 1)

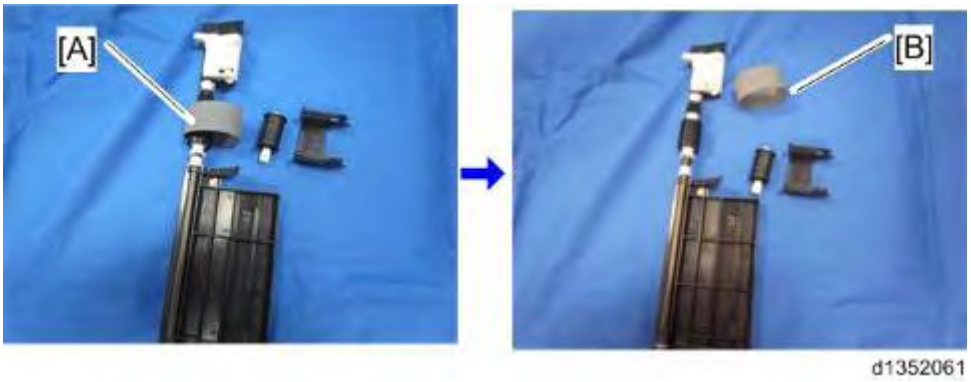


d1352059

4. Lift the left and right sides of the feed belt holder [A], then remove it.

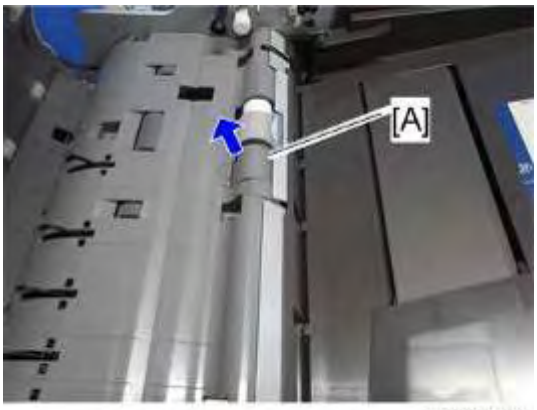


5. Remove the feed belt [B] from the feed belt holder [A].

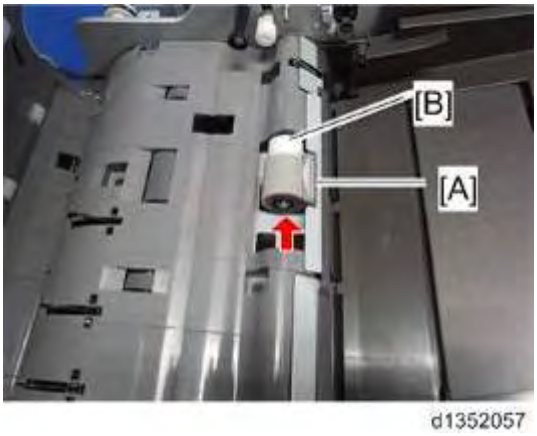


4.6.6 ADF SEPARATION ROLLER

1. Open the feed cover.
2. Original feed unit (☛ page 4-44)
3. ADF separation roller cover [A].

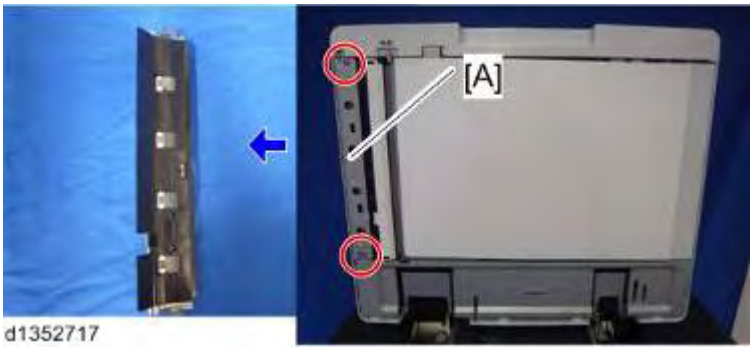


4. ADF separation roller [A] and torque limiter clutch [B] (snap-fit x 1)



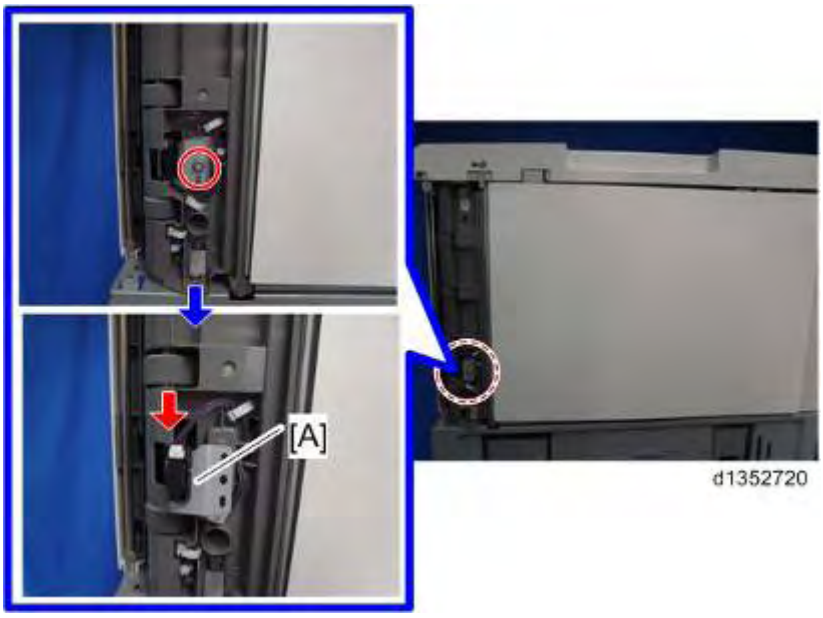
4.6.7 ORIGINAL REGISTRATION SENSOR

1. Entrance lower guide [A] (x 2).

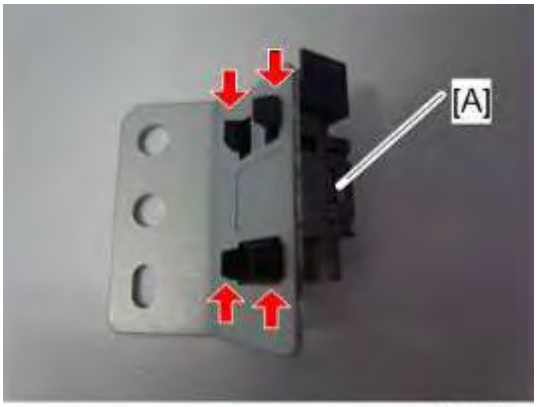


2. Scanning guide plate [A] (hook x 1).

3. Original registration sensor [A] along with the bracket (x 1, x 1).



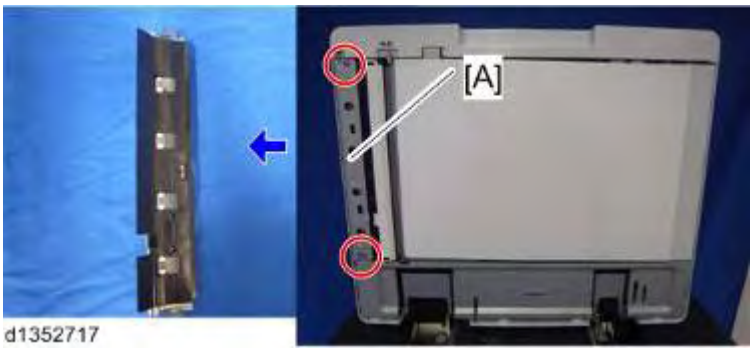
4. Original Registration Sensor [A] (hook x 4).



d1352064

4.6.8 ORIGINAL EXIT SENSOR

1. Entrance lower guide [A] (x 2).

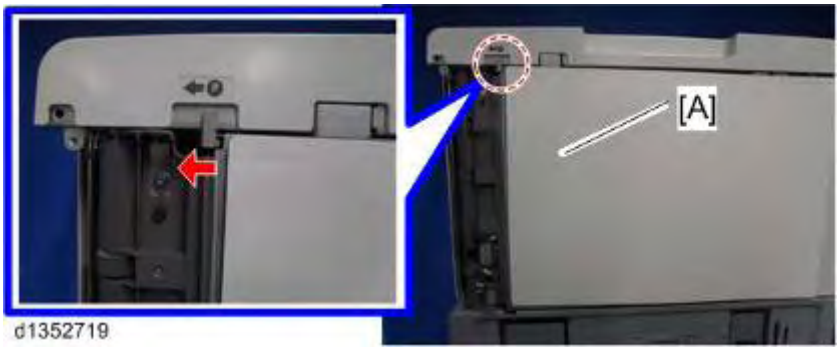


d1352717

2. Scanning guide plate [A] (hook x 1).

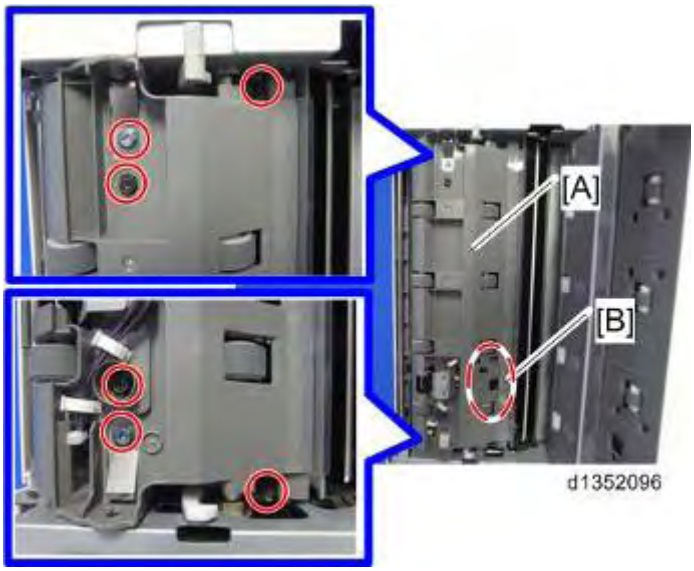
d1352718

3. Open the white cover [A].



d1352719

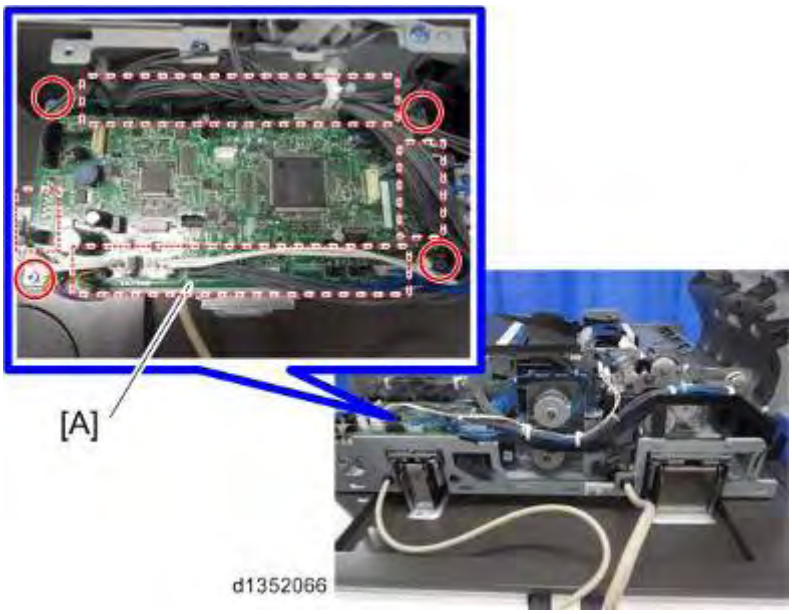
4. Remove the original exit sensor [B], which is mounted on the upper guide [A] (x 6).



5. Remove the original exit sensor [B] from the upper guide [A] (x 1, x 1).

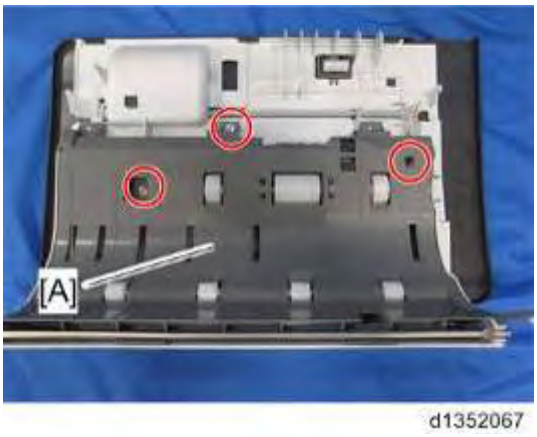
4.6.9 ADF CONTROL BOARD

1. ADF rear cover (“ADF Rear Cover ” in page 4-41 "ADF Cover")
2. ADF control board [A] (x 4, all s)



4.6.10 SEPARATION SENSOR / SKEW CORRECTION SENSOR

1. Feed upper guide [A] in the feed cover (x 3)

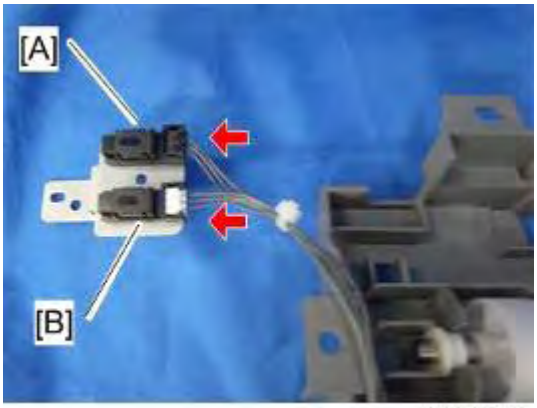


d1352067

2. Remove the sensors along with the bracket [A] (x 1)

d1352068

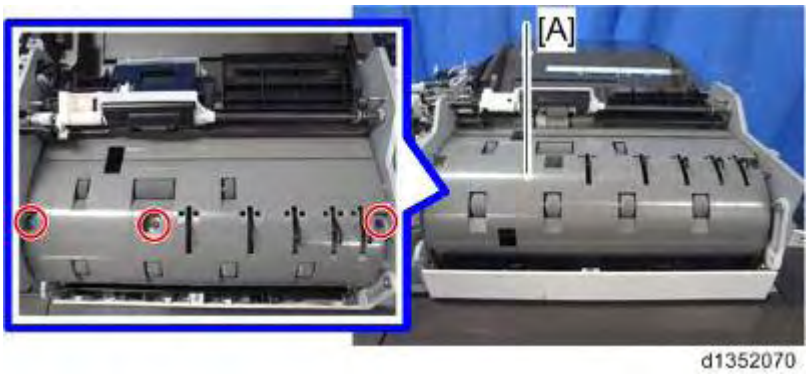
3. Separation Sensor [A] and Skew Correction Sensor [B] (x 1 each)



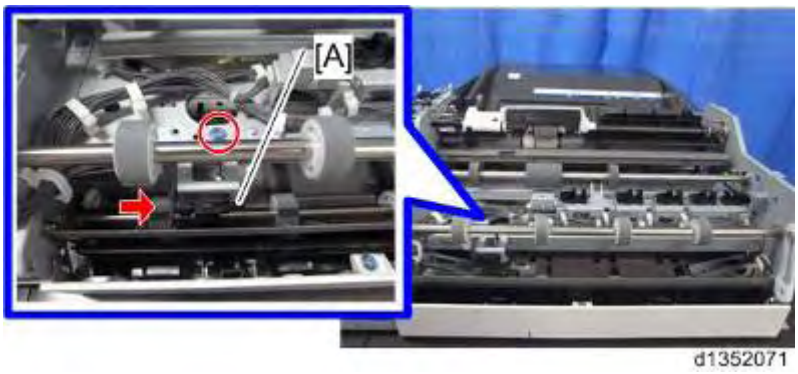
d1352069

4.6.11 ORIGINAL WIDTH SENSOR / INTERVAL SENSOR

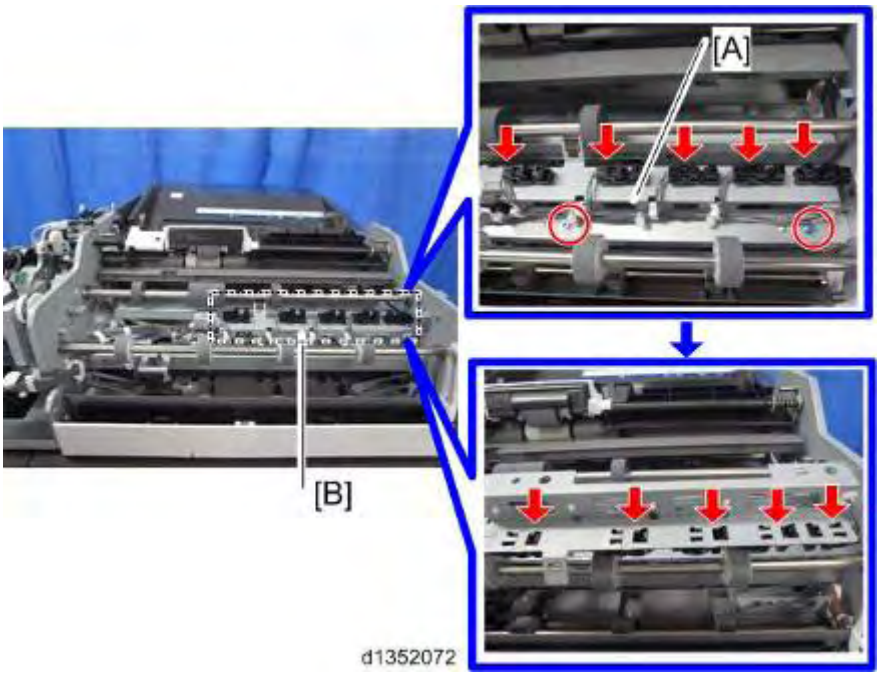
1. Feed cover (☛ “Feed Cover ” in page 4-41 "ADF Cover")
2. Guide plate [A] (x 3)



3. Interval sensor [A] (x 1, x 1)

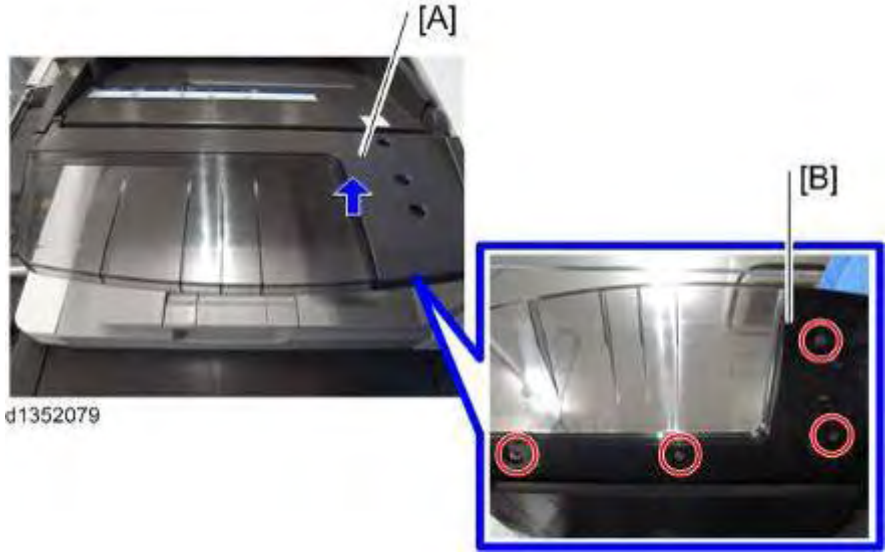


4. Remove the original width sensor guide plate [A] (x 2), then remove the original width sensors (x 5) [B] (x 1 each).

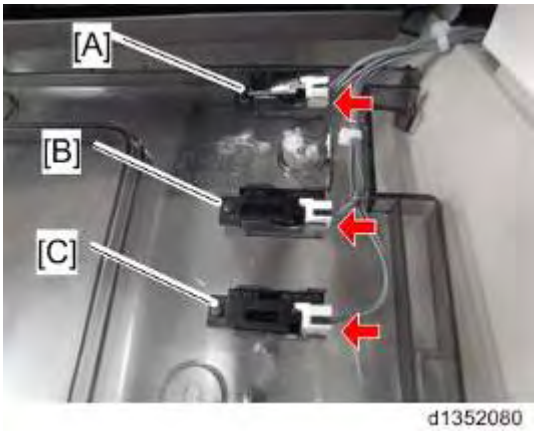


4.6.12 B5 WIDTH SENSOR / A4 WIDTH SENSOR / LG WIDTH SENSOR

1. Raise the document tray [A], then remove the lower cover [B] (x 4).

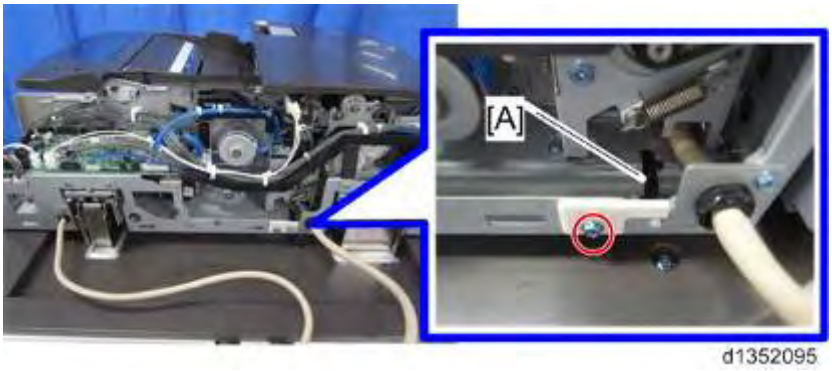


2. B5 Width Sensor [A] (x 1)
3. A4 Width Sensor [B] (x 1)
4. LG Width Sensor[C] (x 1)



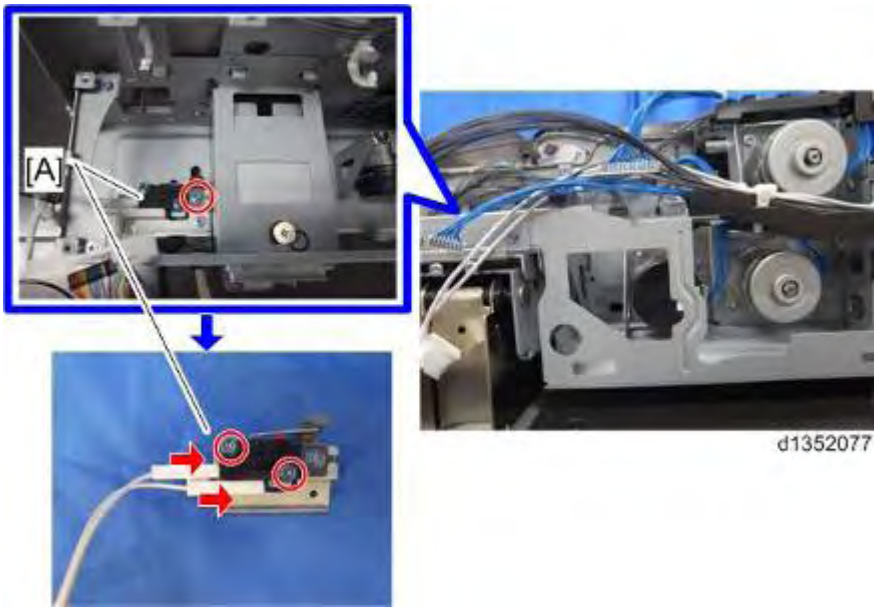
4.6.13 APS FEELER

1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. APS Feeler [A] (x 1)

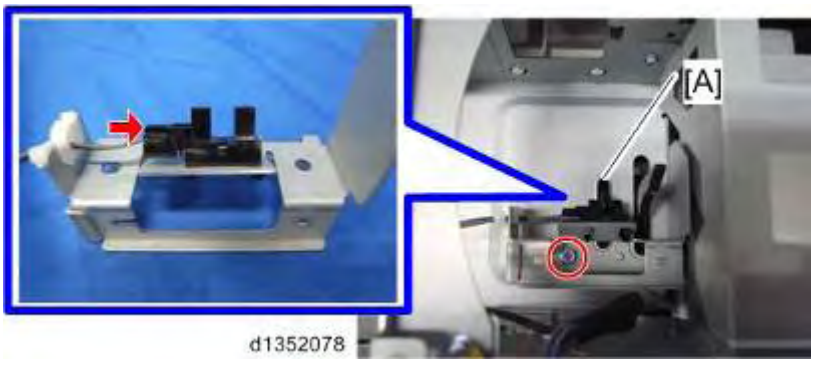


4.6.14 ADF LIFT-UP INTERLOCK SW / LIFT-UP SENSOR

1. ADF Control Board (☛ page 4-50)
2. ADF lift-up interlock SW [A] along with the bracket (x 3, x 2)

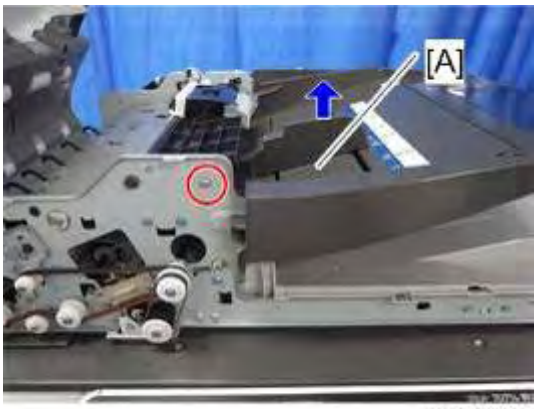


3. Lift-Up Sensor [A] along with the bracket (x 1, x 1)

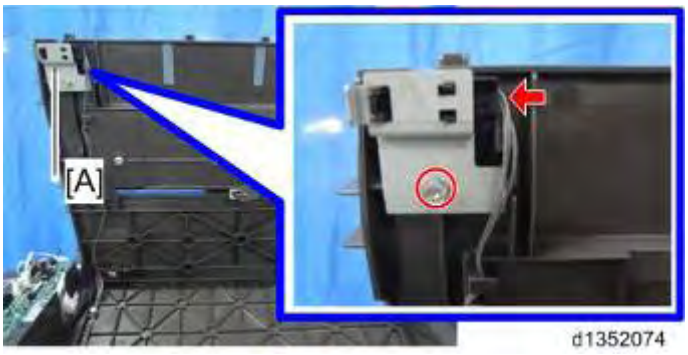


4.6.15 ORIGINAL SET SENSOR

1. ADF front cover (☛ “ADF Front Cover” in page 4-41 "ADF Cover")
2. Remove the screw and raise the original tray [A].

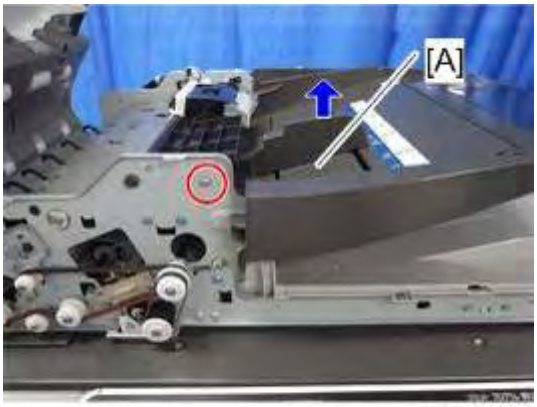


3. Original set sensor [A] (x 1, x 1)



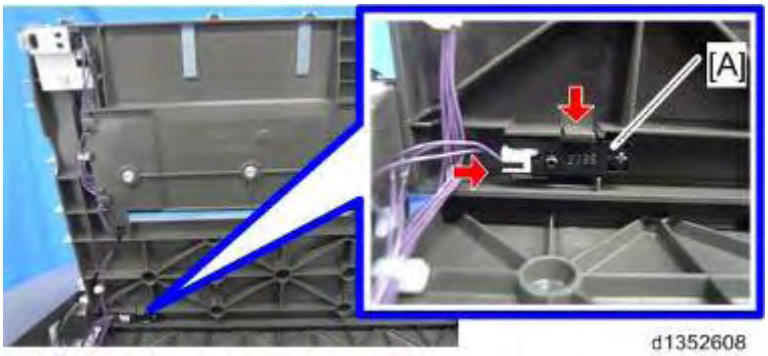
4.6.16 A4 LEF/LT LEF SENSOR

1. ADF front cover (☛ “ADF Front Cover” in page 4-41 "ADF Cover")
2. Remove the screw and raise the original tray [A].



d1352073

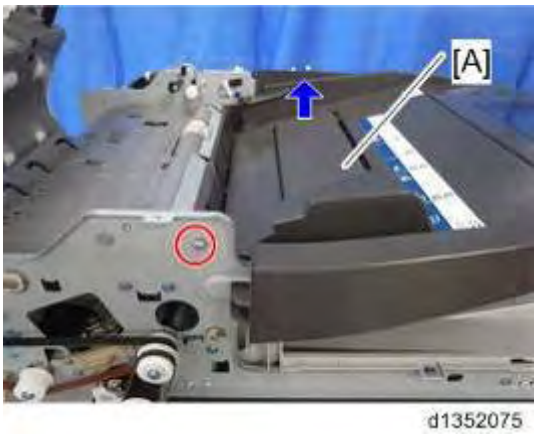
3. A4 LEF/LT LEF Sensor [A] (hook x 1, x 1)



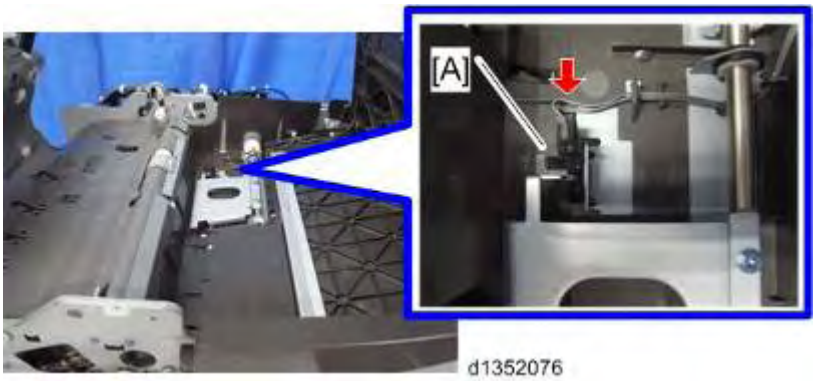
d1352608

4.6.17 BOTTOM PLATE HP SENSOR

1. Original feed unit (☛ page 4-44)
2. ADF front cover (☛ “ADF Front Cover” in page 4-41 "ADF Cover")
3. Remove the screw and raise the original tray [A].

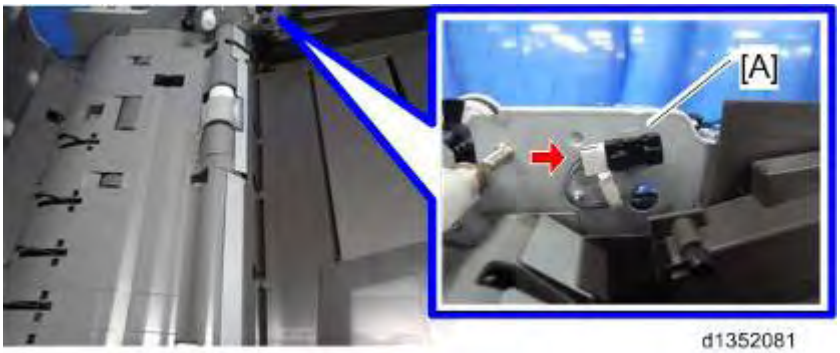


4. Bottom plate HP sensor [A] (x 1)



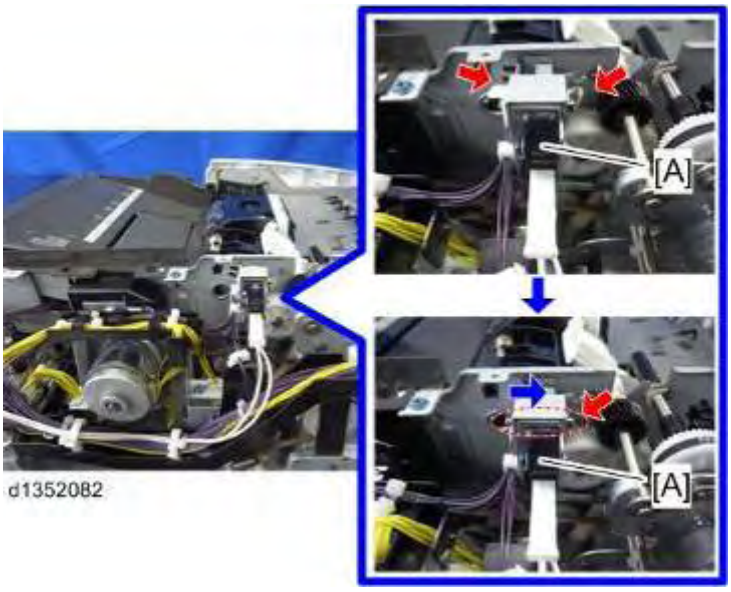
4.6.18 BOTTOM PLATE POSITION SENSOR

1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. Original feed unit (☛ page 4-44)
3. Bottom plate position sensor [A] (x 1)

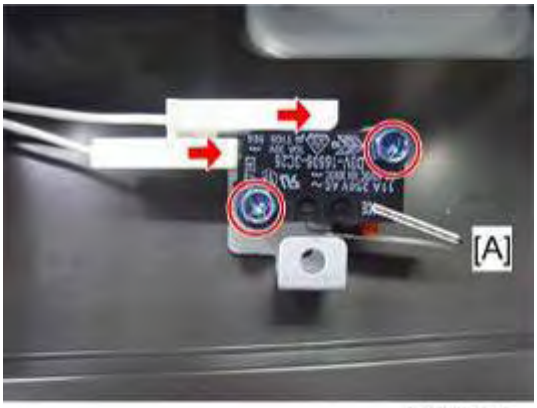


4.6.19 ADF FEED COVER INTERLOCK SW / PICK-UP ROLLER HP SENSOR

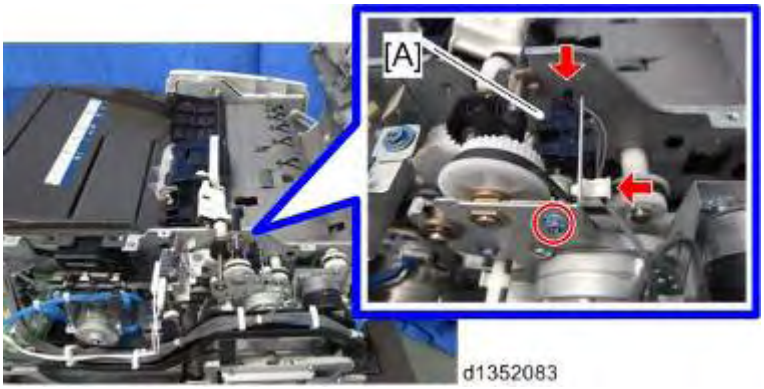
1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. Remove the ADF feed cover interlock SW [A] from the retaining bracket (snap-fit x 1, spring x 1, pin x 1).



3. ADF feed cover interlock SW [A] (x 2, x 2)

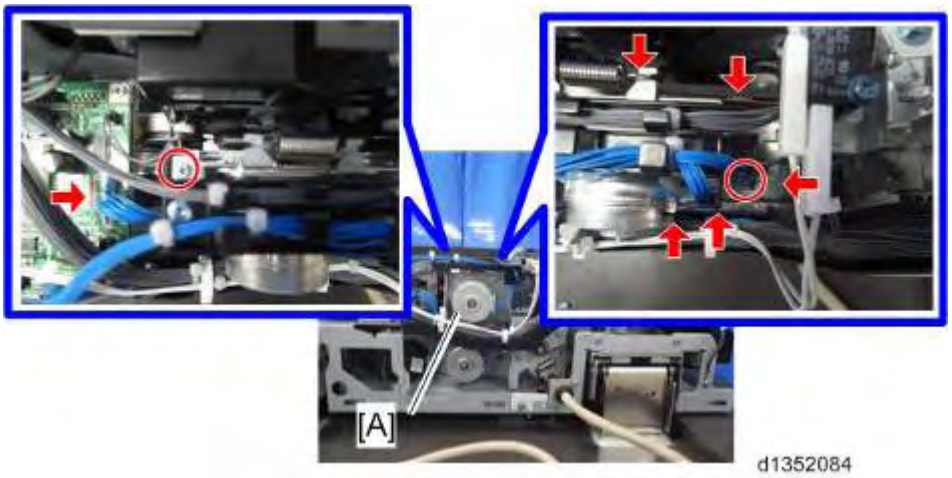


4. Pick-up roller HP sensor [A] along with the bracket (x 1, x 1, x 1)

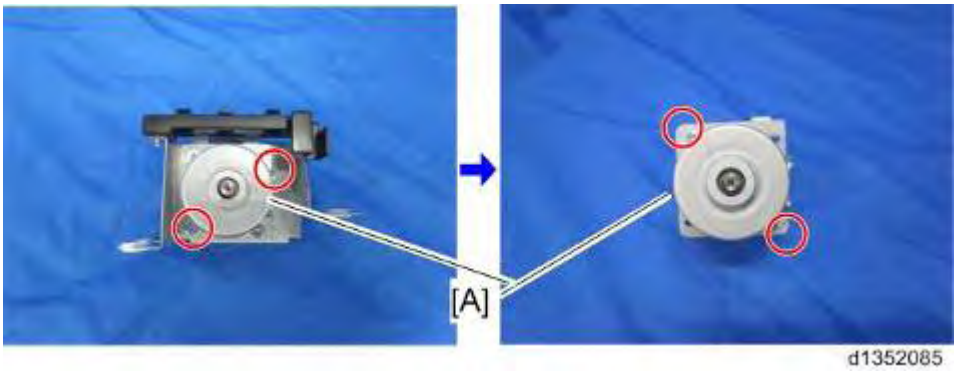


4.6.20 ADF ENTRANCE MOTOR

1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. ADF entrance motor [A] along with the frame (x 2, x 2, x 2, spring x 1, timing belt x 1)

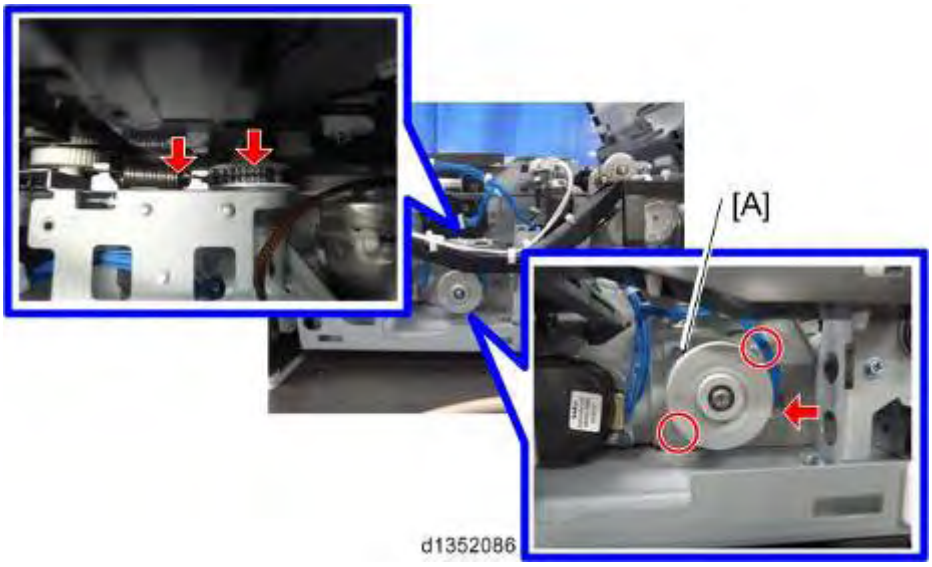


3. ADF entrance motor [A] (x 4)



4.6.21 ADF SCANNING MOTOR

1. ADF entrance motor along with the frame (☛ page 4-59 "ADF Entrance Motor")
2. ADF read motor [A] along with the bracket (x 2, x 1 , spring x 1, timing belt x 1)

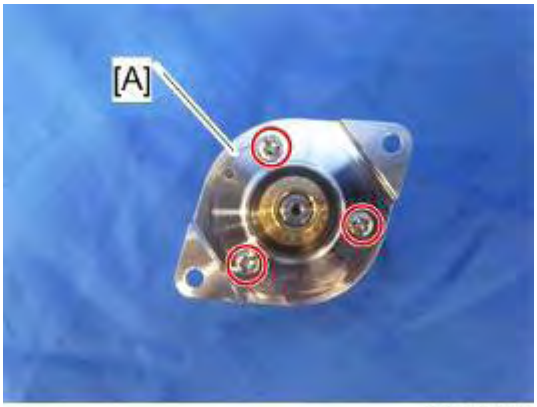


3. ADF scanning motor [A] (x 2)

4.6.22 ADF EXIT MOTOR

1. ADF Control Board (☛ page 4-50)
2. ADF exit motor [A] along with the bracket (x 2, x 1, spring x 1, timing belt x 1)

3. ADF exit motor [A] (x 3)

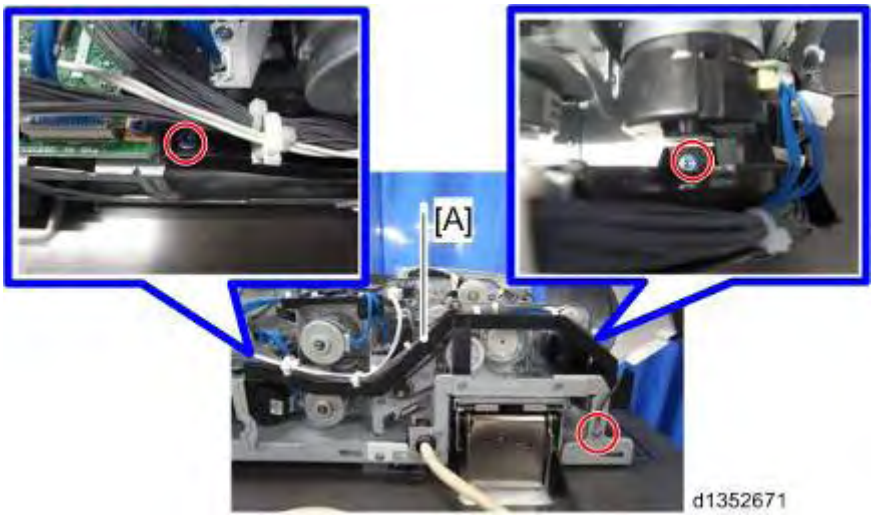


4.6.23 ADF BOTTOM PLATE LIFT MOTOR

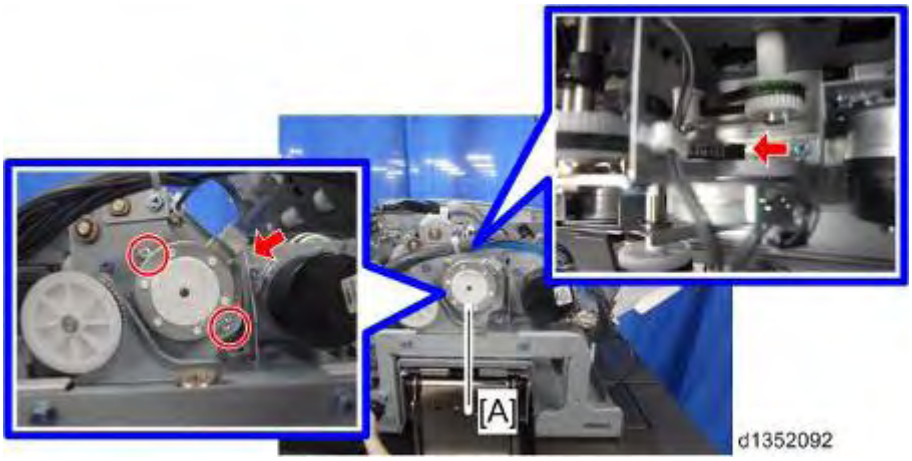
1. ADF entrance motor along with the frame (☛ page 4-59 "ADF Entrance Motor")
2. ADF bottom plate lift motor [A] (x 2, x 1)

4.6.24 ADF PICK-UP ROLLER LIFT MOTOR / ADF TRANSPORT MOTOR

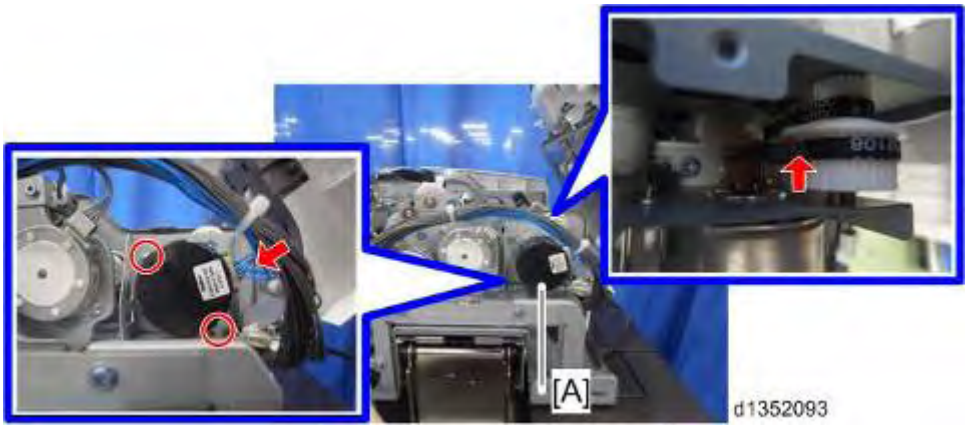
1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. Frame (black) [A] (x 3)



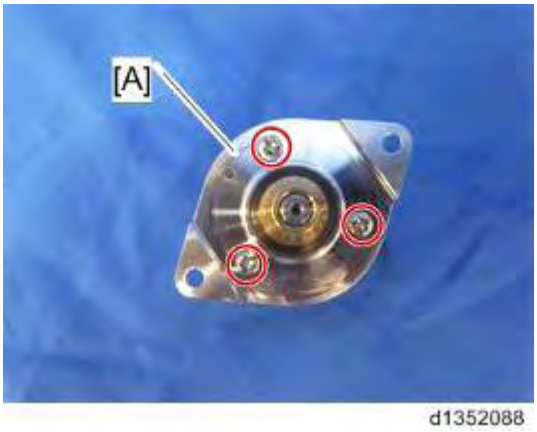
3. ADF pick-up roller lift motor [A] (x 2, x 1, timing belt x 1)



4. ADF transport motor [A] along with the bracket (x 2, x 1, timing belt x 1)

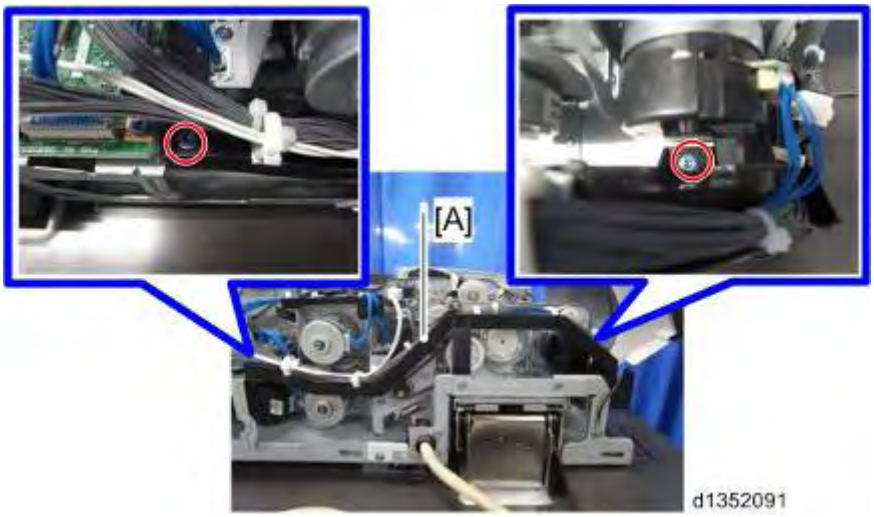


5. ADF transport motor [A] (x 3)

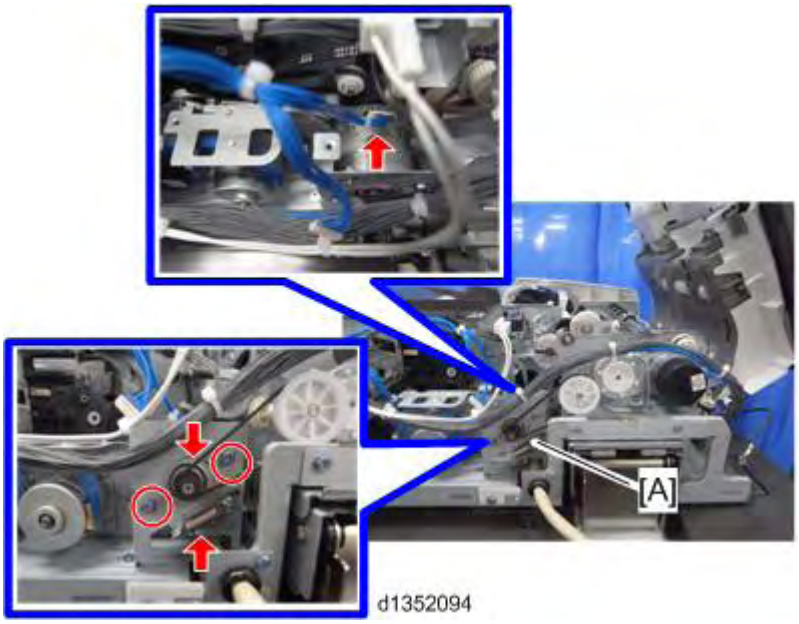


4.6.25 ADF FEED MOTOR

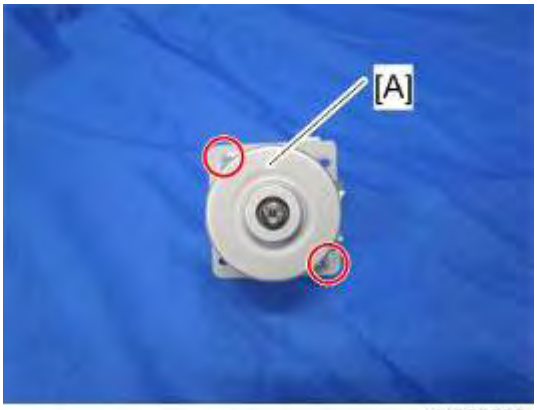
1. ADF rear cover (☛ “ADF Rear Cover” in page 4-41 "ADF Cover")
2. Remove the fixing screws of the frame (black) [A] (x 2).



3. ADF entrance motor along with the frame (☛ page 4-59 "ADF Entrance Motor")
4. ADF feed motor [A] along with the bracket (x 2, x 1, spring x 1, timing belt x 1)



5. ADF feed motor [A] (x 2)



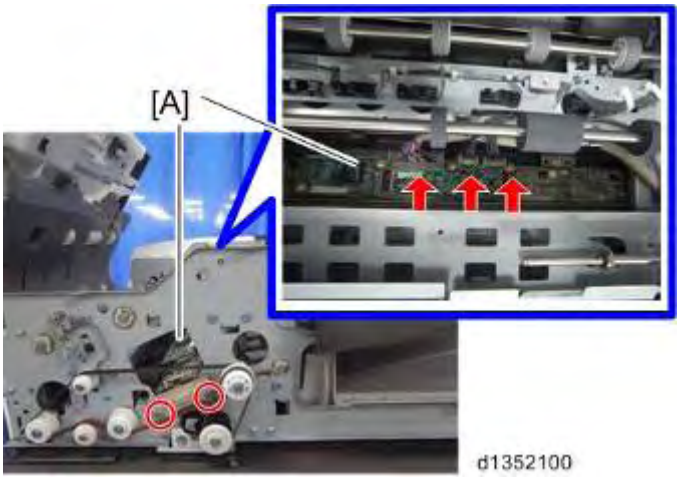
4.6.26 CIS UNIT

1. Original Feed Unit (☛ page 4-44)
2. ADF Separation Roller (☛ page 4-47)
3. ADF front cover (☛ “ADF Front Cover” in page 4-41 "ADF Cover")
4. Guide plate (large) [A] (🔩 x 3)

5. Guide plate (small) [A] (🔩 x 2)

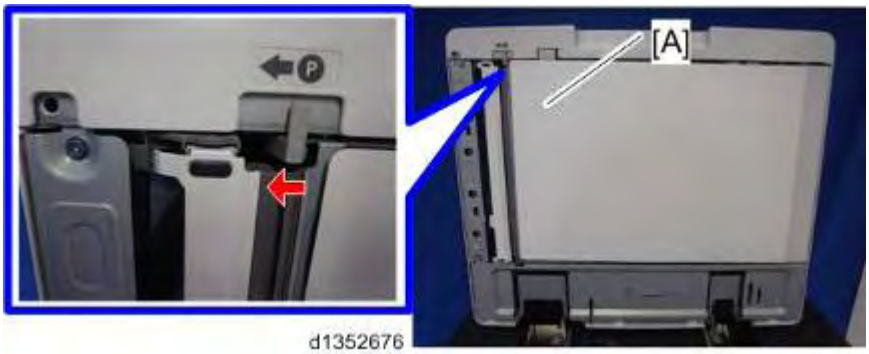
6. Guide plate [A] (🔩 x 1)

7. CIS unit [A] (x 2, x3)



Note

- To prevent scratches on the surface of the CIS glass, removal of the CIS unit must be done with the white cover [A] open.



4.7 DRAWER UNIT

4.7.1 LAYOUT (MOTORS)

Drawer Unit (Front)

To replace the motors on the front of the drawer unit, first remove the drawer unit cover. (☛ page 4-69 "Drawer Unit Cover")

No.	Part Name	Replacement procedure	Remarks
1	Exit Motor	☛ page 4-85	
2	Duplex Inverter Entrance Motor	☛ page 4-86	
3	Duplex Transport Motor	☛ page 4-88	
4	Registration Motor	☛ page 4-85	
5	Duplex Exit Motor	☛ page 4-88	
6	Cleaning Web Motor	☛ page 4-89	D137/ D138 only

Drawer Unit (Rear)

No.	Part Name	Replacement procedure	Remarks
1	Exit Inverter Motor	☛ page 4-87	
2	Cleaning Web Contact Motor	☛ page 4-90	D137/ D138 only

4.7.2 LAYOUT (BOARDS)

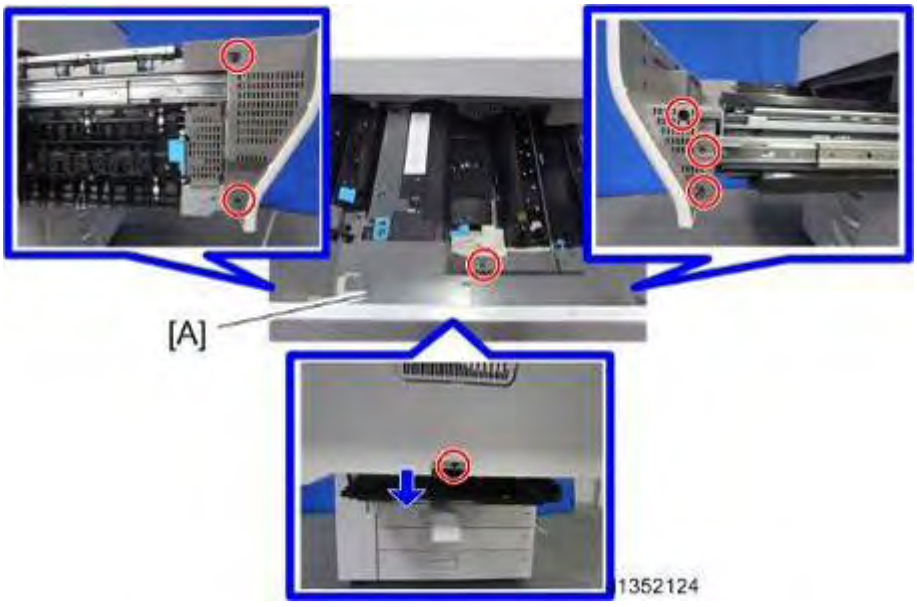
No.	Part Name	Replacement procedure	Remarks
1	Paper Separation AC Power Pack	☛ page 4-75	
2	DUB	☛ page 4-74	

No.	Part Name	Replacement procedure	Remarks
3	Fusing Web Control Board-Drawer	☛ page 4-76	D137/ D138 only

4.7.3 DRAWER UNIT COVER

1. Open the drawer unit [A].

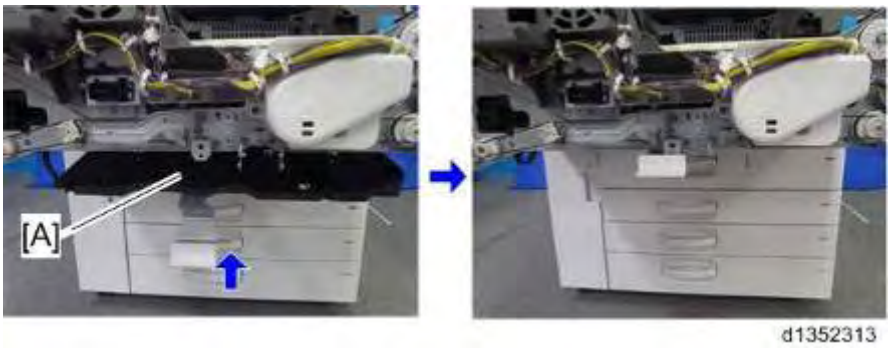
2. Drawer unit cover [A] (x 7*)



* D137/D138 use TCRU/ORU screws

Note

- After removing the drawer unit cover, when the drawer unit is returned to the machine, you can close the guide plate [A] of the paper exit and duplex unit.

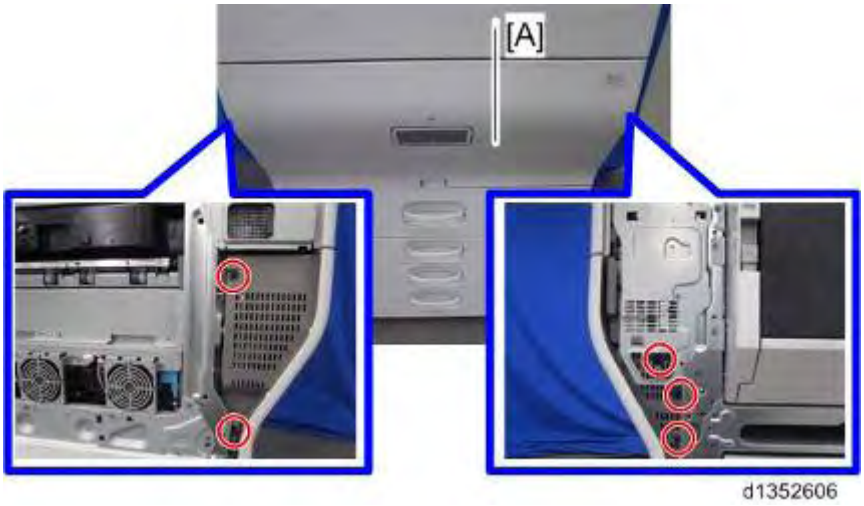


If the Drawer is Locked

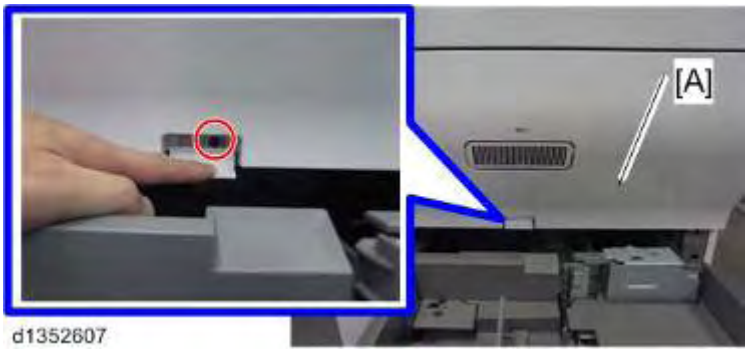
When the drawer is locked, deal with the problem depending on the symptom. (☛page 5-344 "Other 001: Drawer Unit Lock Motor Emergency")

This section shows the procedure to unlock when there is a failure of the drawer unit lock sensor or drawer unit lock motor.

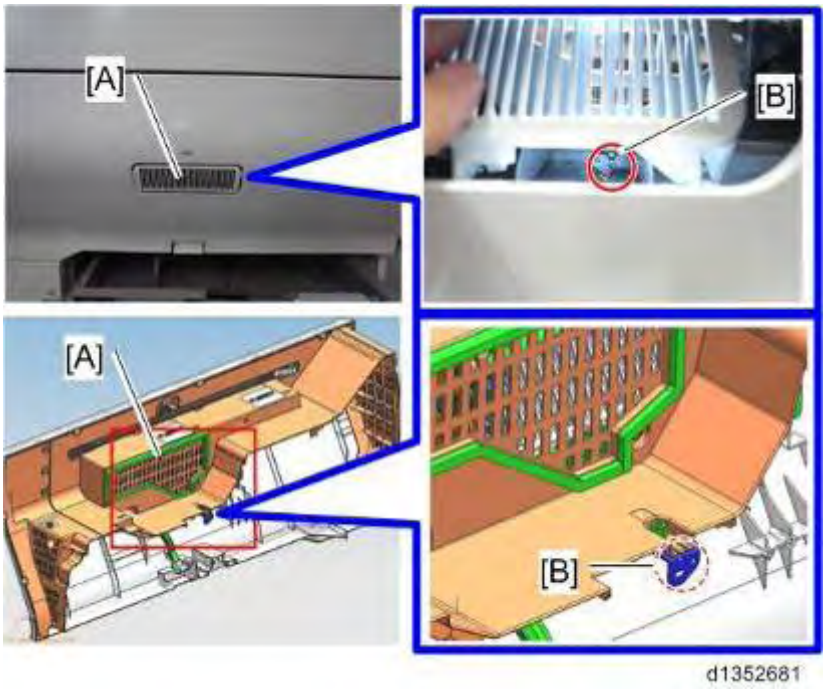
1. Left middle cover of the outer cover (☛ page 4-15)
2. Right middle front cover of the outer cover (☛D137/D138: page 4-6. D135/D136: page 4-8)
3. Remove the fixing screws of the left and right sides of the drawer unit cover [A] (x 5).



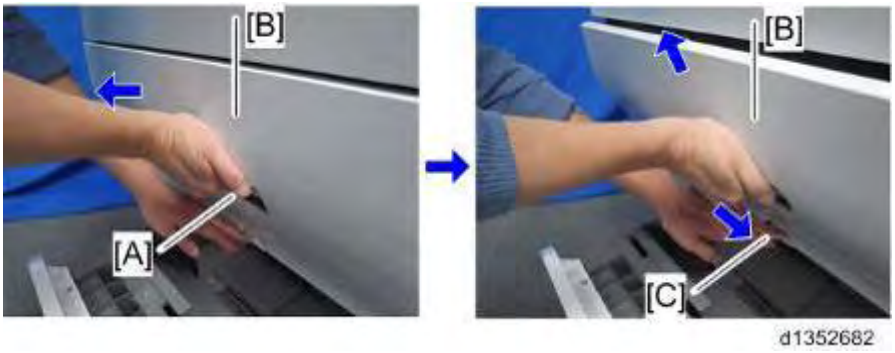
4. Open the paper feed tray, then remove the fixing screw on the bottom of the drawer unit cover [A].



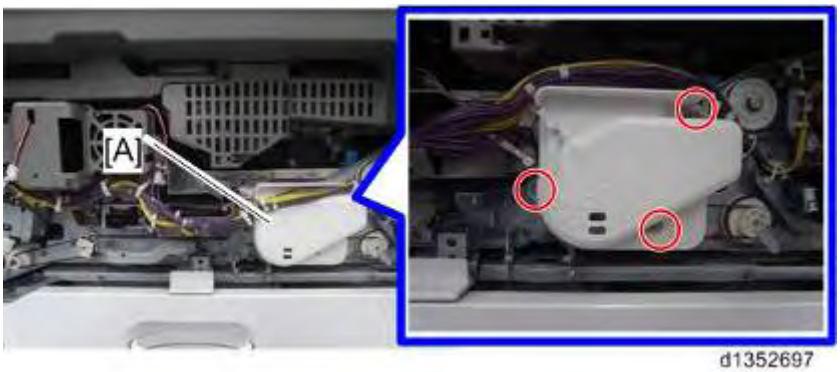
5. Insert the driver from the flapper handle [A], and remove the bracket screw [B].



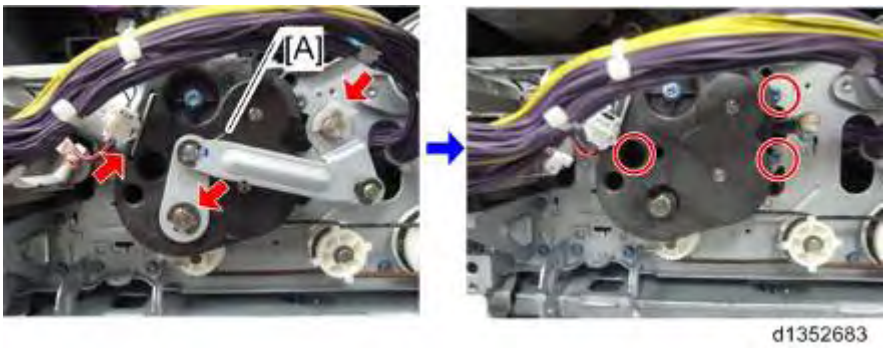
6. Put a hand in the flapper handle [A] and pull the drawer unit cover [B] to the front. Then hold the guide plate [C] of the paper exit and duplex unit, and remove the drawer unit cover [A] in an upward direction.



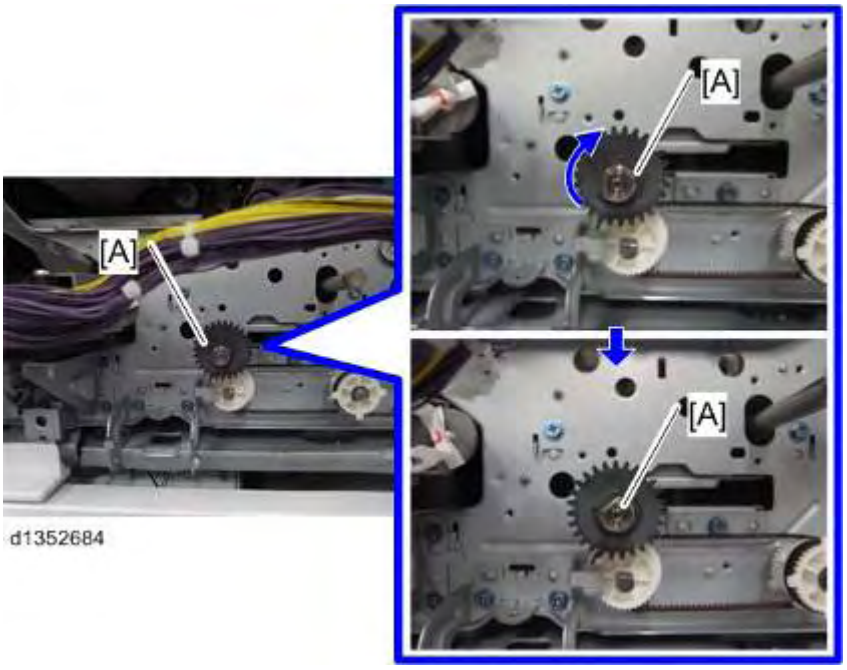
7. Drawer unit lock motor cover [A] (x 3)



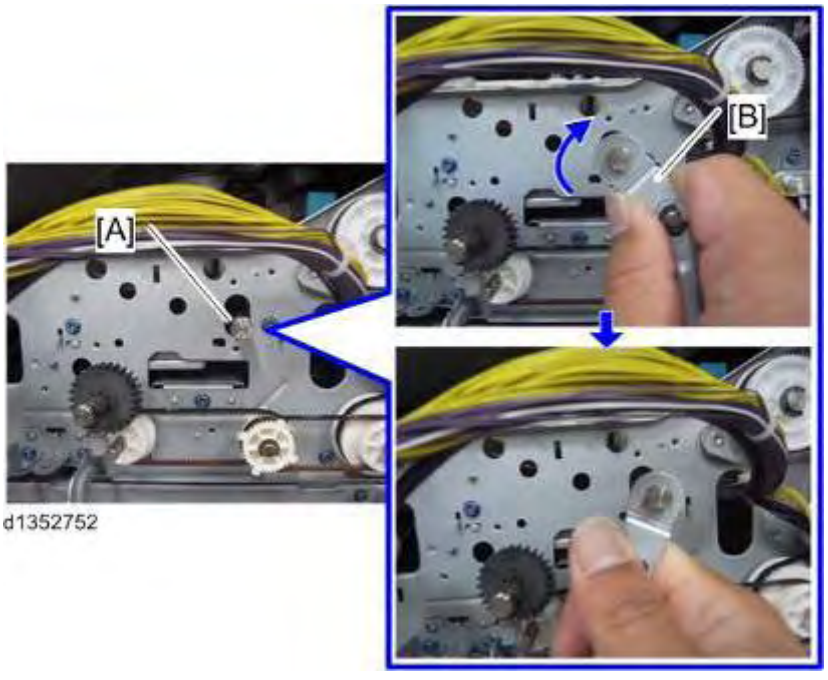
8. Drawer unit lock motor block [A] (x 1, snap-fit x 1, x 3, x 1)



9. Turn the lock shaft [A] clockwise to release the lock.

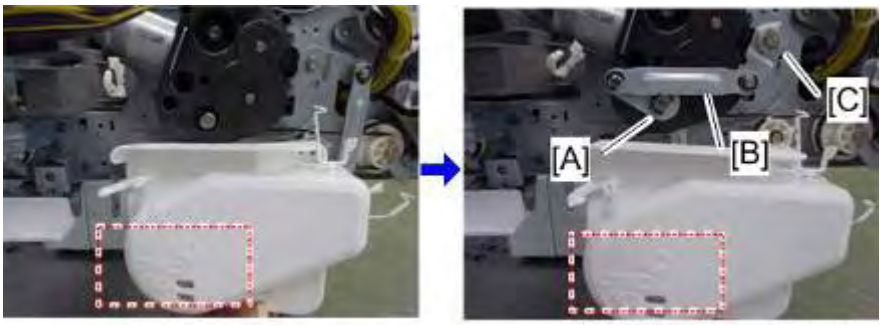


10. Turn the paper transfer roller shaft [A] clockwise by using the link [B] to separate the paper transfer roller unit from the ITB. You can pull the drawer unit out.



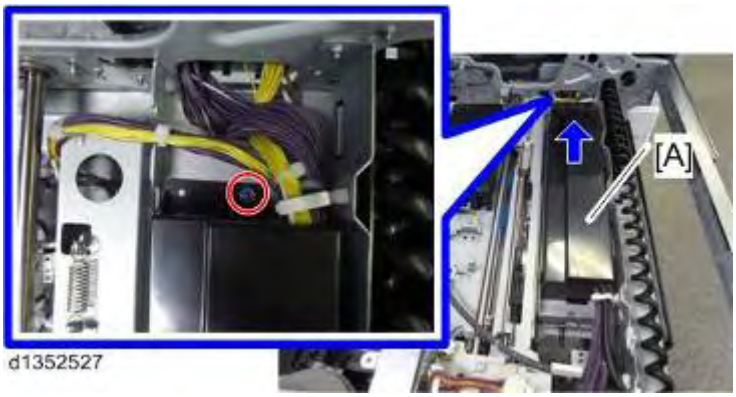
Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
- Lock shaft (Cut surface to the upper left) [A]
- Link (Long hole to the right) [B]
- Paper transfer roller shaft (Cut surface to the lower side) [C]

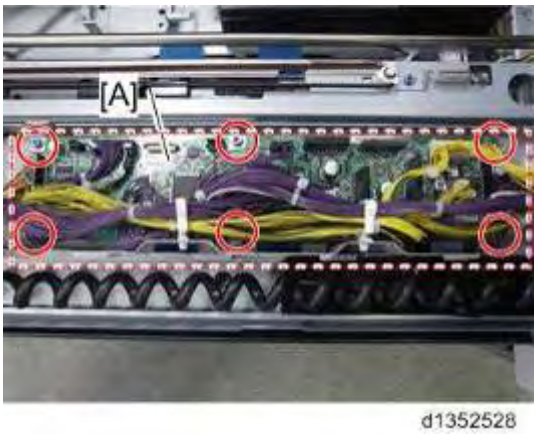


4.7.4 DUB (DRAWER UNIT BOARD)

1. Drawer unit cover (☛ page 4-69)
2. Registration unit (☛ page 4-306)
3. Paper transfer roller unit (☛ page 4-204)
4. DUB cover [A] (x 1)

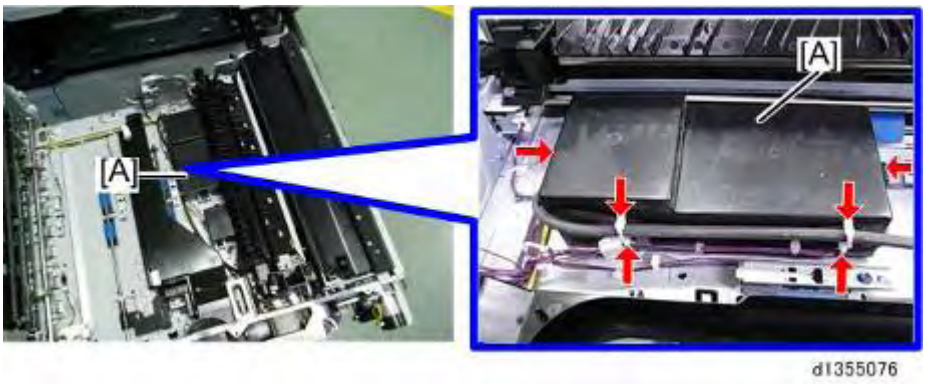


5. DUB [A] (x 6, all s)

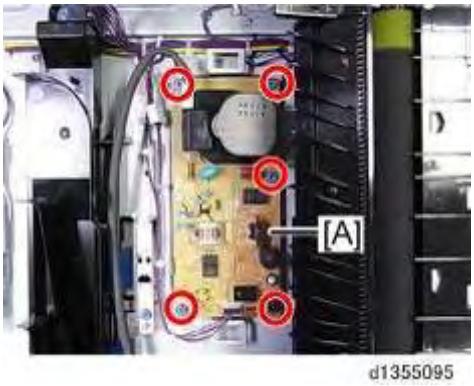


4.7.5 PAPER SEPARATION AC POWER PACK

1. Paper transfer roller unit (☛ page 4-204)
2. Cover [A] (x 4, hook x 2)

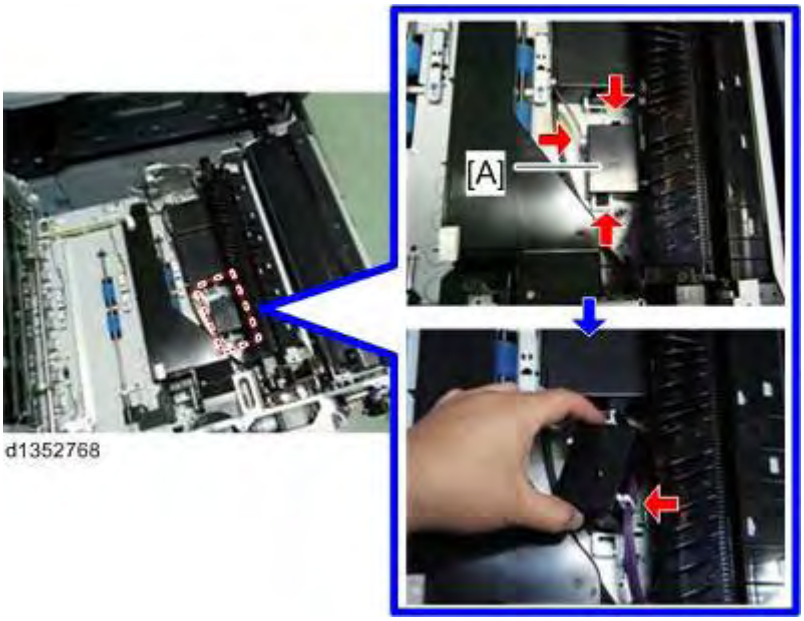


3. Paper separation AC power pack [A] (x 5, all s)



4.7.6 FUSING WEB CONTROL BOARD-DRAWER (D137/D138 ONLY)

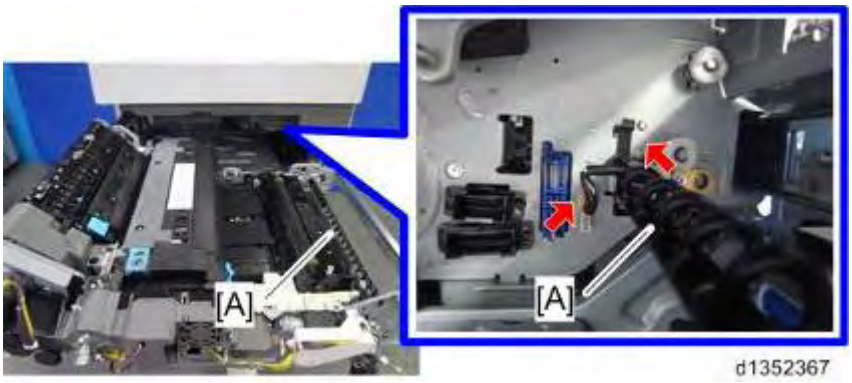
1. Paper transfer roller unit (☛ page 4-204)
2. Cover [A] (x 2, hook x 2)



3. Fusing web control board-drawer [A] (x 1, all x 4)

4.7.7 CURLED CORD

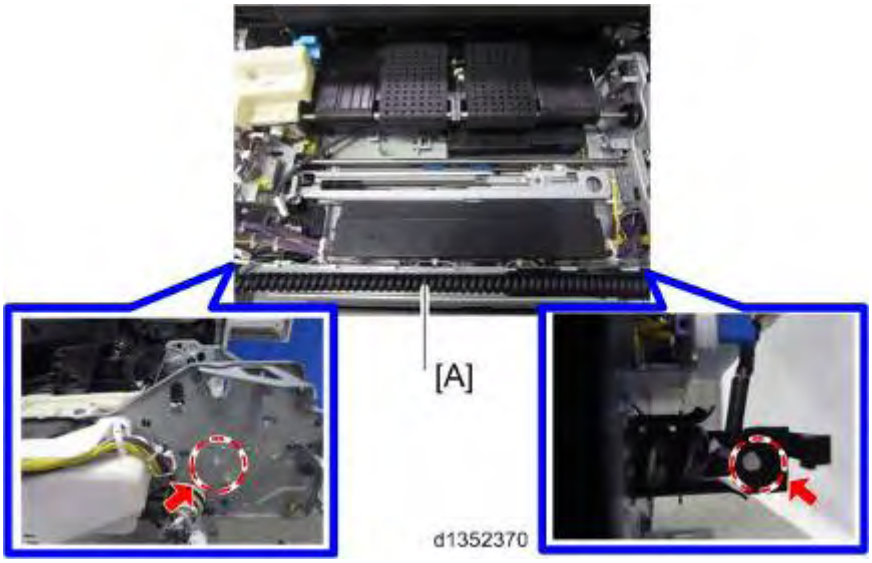
1. Drawer unit cover (☛ page 4-69)
2. Registration unit (☛ page 4-306)
3. Relay unit (☛ page 4-308)
4. Paper transfer roller unit (☛ page 4-204)
5. Remove the curled cord connector and fixing material [A] that is connected to the rear of the machine.



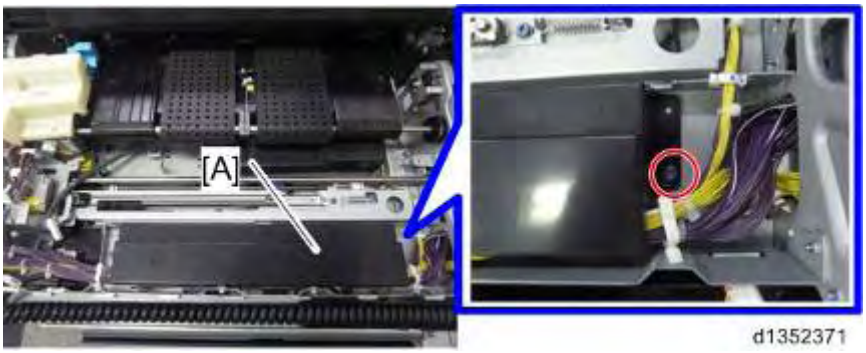
Note

- When mounting the curled cord, fit the fixing material in the hole on the rear of the machine.

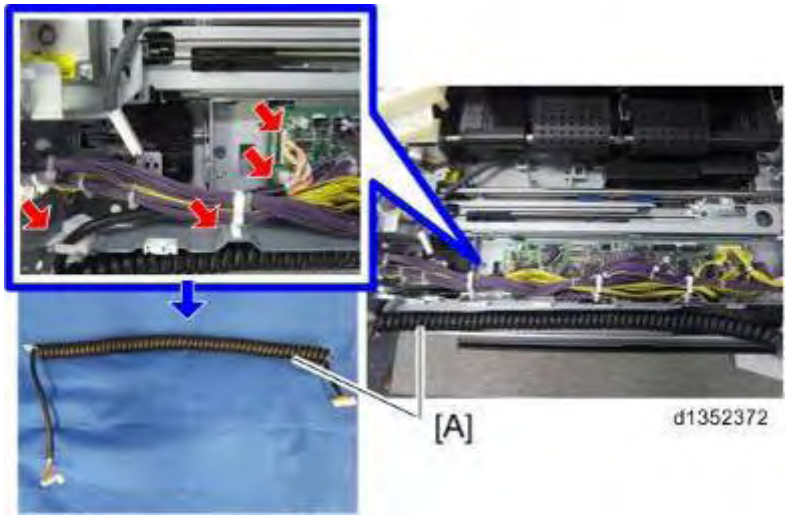
6. Remove the left and right clamps fixing the curled cord [A].



7. DUB cover [A] (x 1)



8. Curled cord (x 2, x 2)



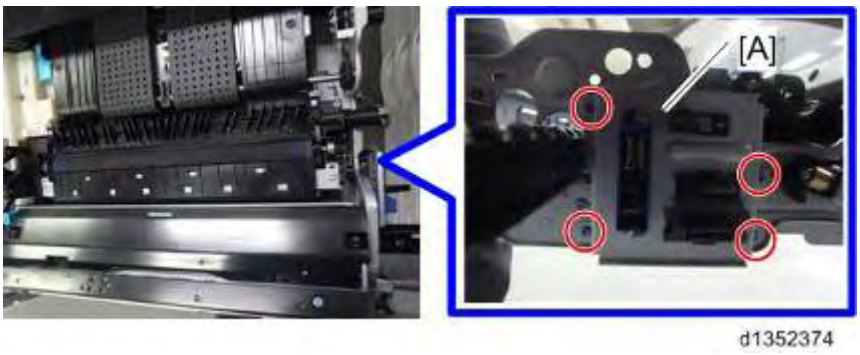
4.7.8 DRAWER UNIT CONNECTOR

1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.

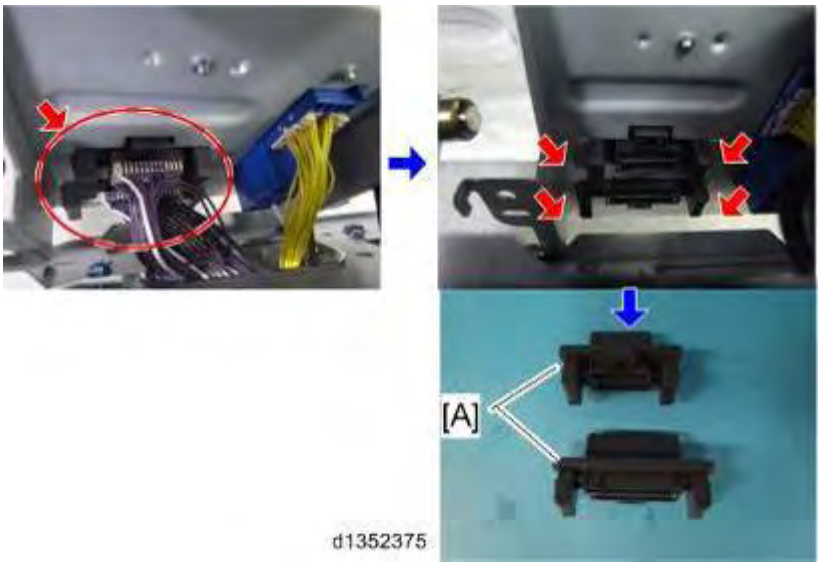
Note

- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Drawer unit connector bracket [A] (x 4)

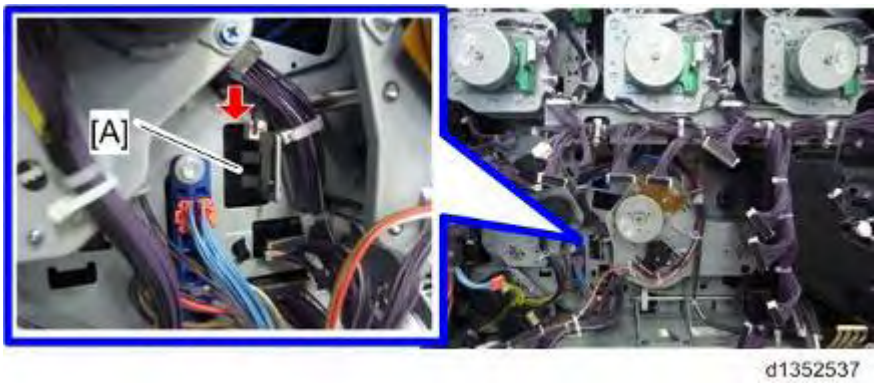


3. Remove the drawer unit connector [A] (x 2) by pressing the ends (x 2 each).



4.7.9 DRAWER UNIT SET SENSOR

1. IOB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the IOB")
2. Drawer unit set sensor [A] (x 1)



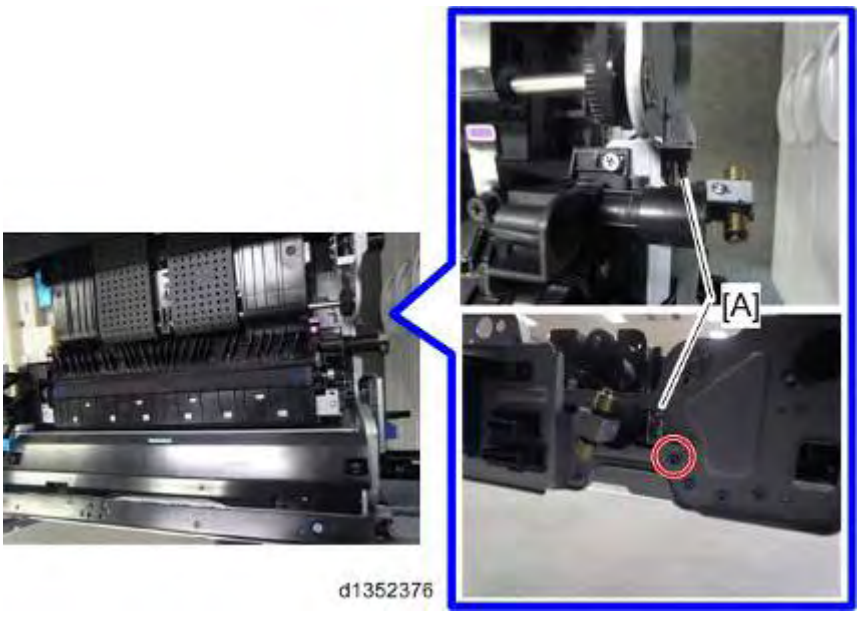
4.7.10 DRAWER UNIT LOCK SENSOR

1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.

Note

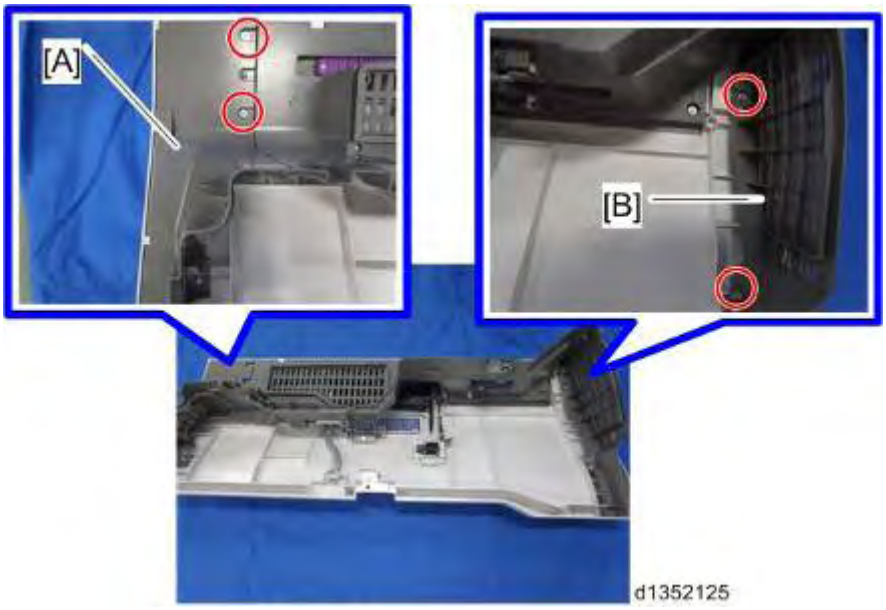
- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Drawer Unit Lock Sensor [A] along with the bracket (x 1)



4.7.11 DRAWER UNIT HANDLE SENSOR

1. Drawer unit cover (☛ page 4-69)
2. Right cover [A] and left cover [B] (x 2 each)

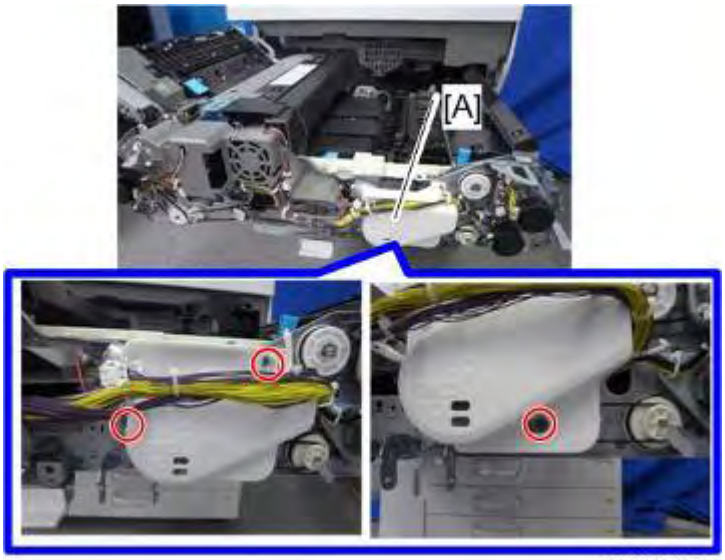


3. Middle cover (x 5)

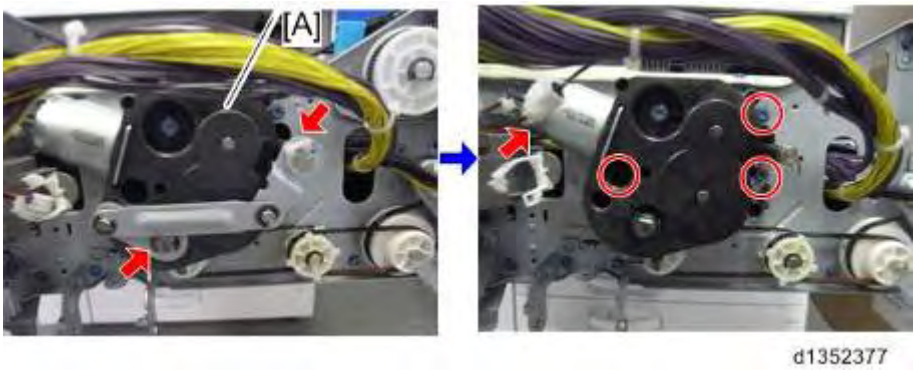
4. Drawer unit handle sensor [A] (x 1)

4.7.12 DRAWER UNIT LOCK MOTOR

1. Drawer unit cover (☛ page 4-69)
2. Drawer unit lock motor cover [A] (x 3)

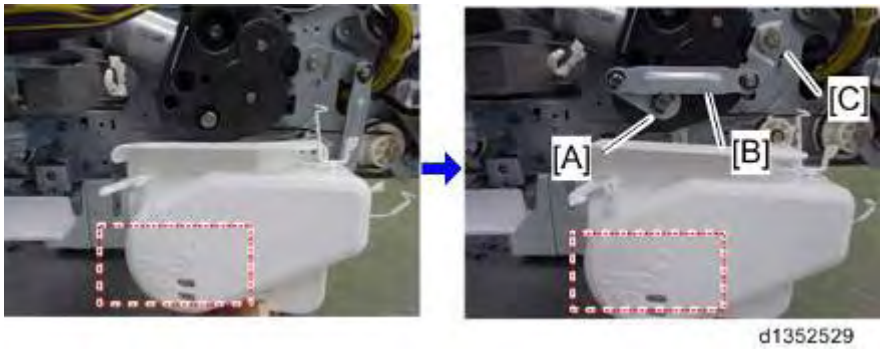


3. Drawer unit lock motor block [A] (x 1, snap-fit x 1, x 3, x 1)



Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
- Lock shaft (Cut surface to the upper left) [A]
- Link (Long hole to the right) [B]
- Paper transfer roller shaft (Cut surface to the lower side) [C]

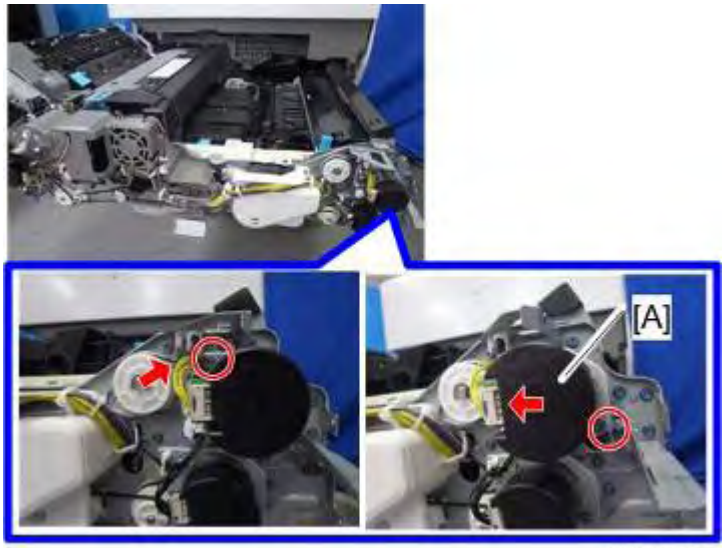


4. Drawer unit lock motor holder [A] (x 5)

5. Take off the gears, and remove the drawer unit lock motor [A] (x 2)

4.7.13 REGISTRATION MOTOR

1. Drawer unit cover (☛ page 4-69)
2. Registration motor [A] (x 2, x 1, timing belt x 1)



d1352346

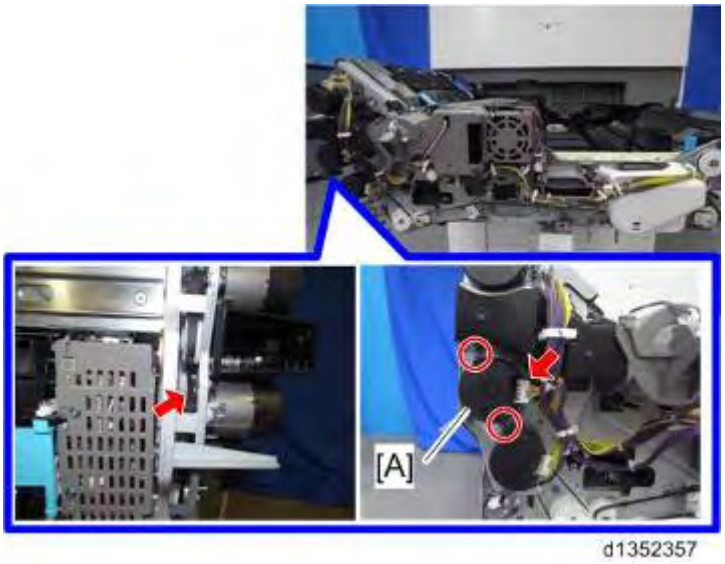
4.7.14 EXIT MOTOR

1. Drawer unit cover (☛ page 4-69)
2. Exit motor [A] (x 2, x 1, timing belt x 1)

d1352348

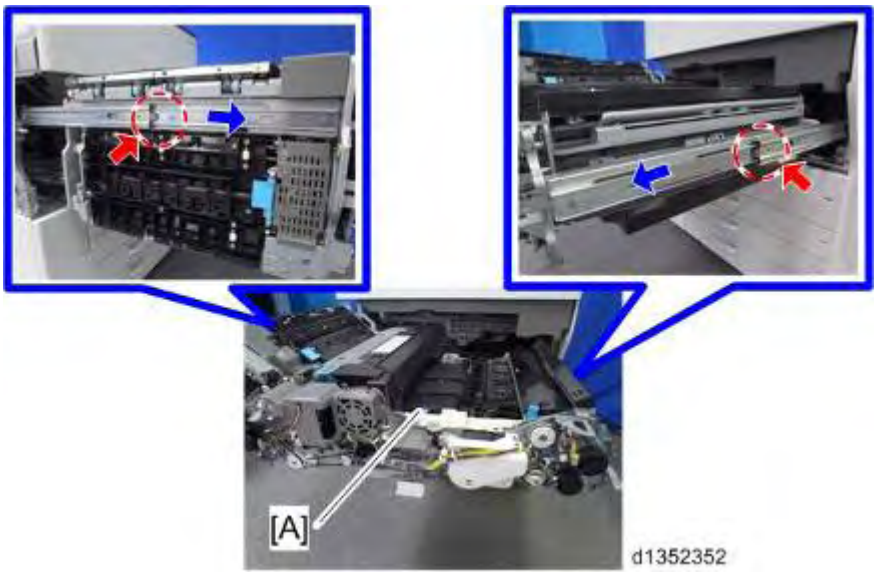
4.7.15 DUPLEX INVERTER ENTRANCE MOTOR

1. Drawer unit cover (☛ page 4-69)
2. Duplex inverter entrance motor [A] (x 2, x 1, timing belt x 1)



4.7.16 EXIT INVERTER MOTOR

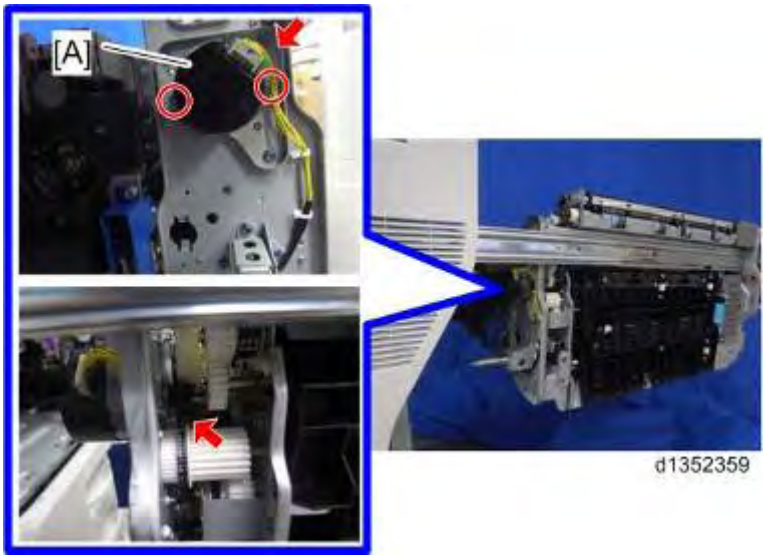
1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



Note

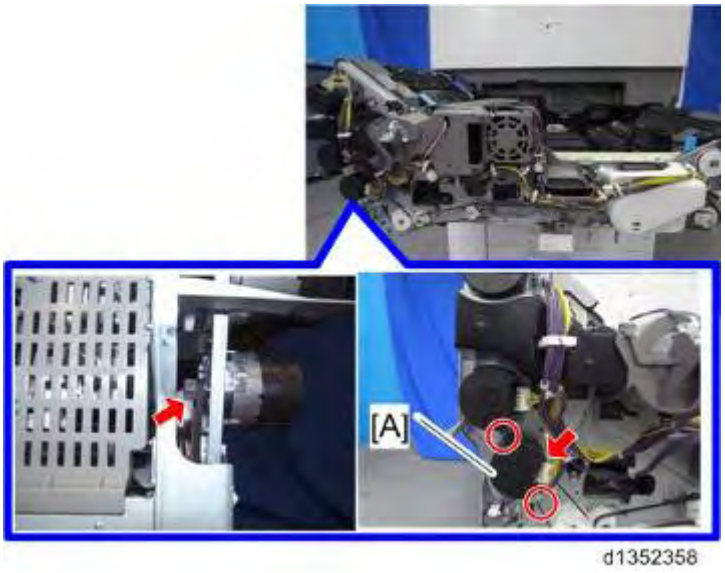
- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Exit Inverter Motor [A] (x 2, x 1, timing belt x 1)



4.7.17 DUPLEX TRANSPORT MOTOR

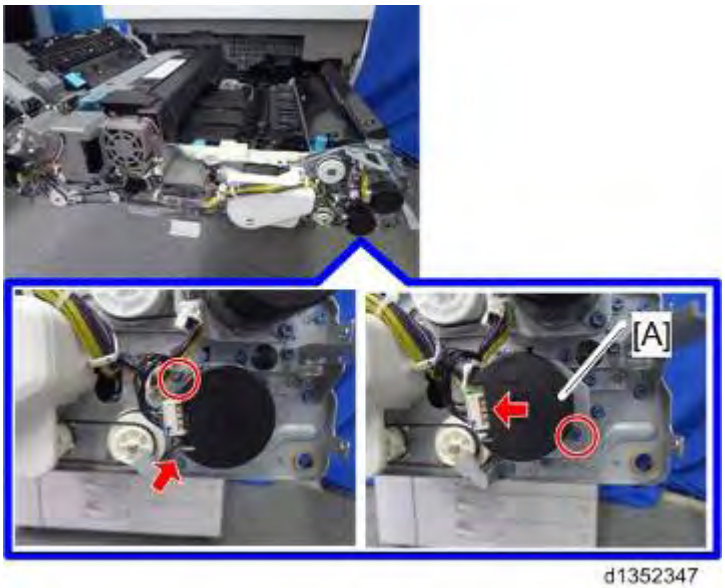
1. Drawer unit cover (☛ page 4-69)
2. Duplex transport motor [A] (x 2, x 1, timing belt x 1)



d1352358

4.7.18 DUPLEX EXIT MOTOR

1. Drawer unit cover (☛ page 4-69)
2. Duplex exit motor [A] (x 2, x 1, timing belt x 1)

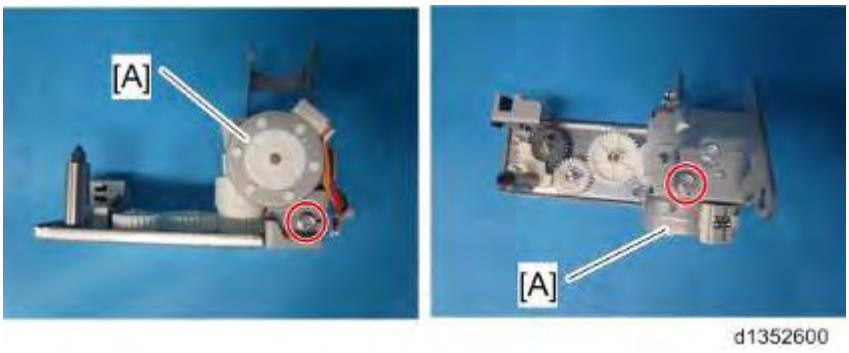


d1352347

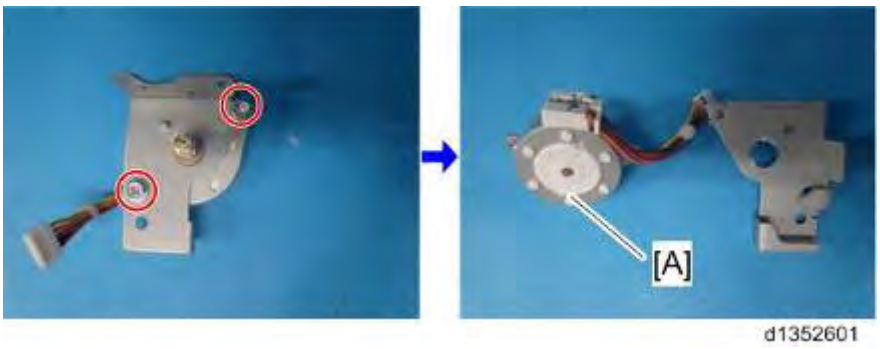
4.7.19 CLEANING WEB MOTOR (D137/D138 ONLY)

1. Drawer unit cover (☛ page 4-69)
2. Cleaning Web Motor block [A] (torsion spring x 1, x 1, x 1)

3. Cleaning Web Motor [A] along with the bracket (x 2)

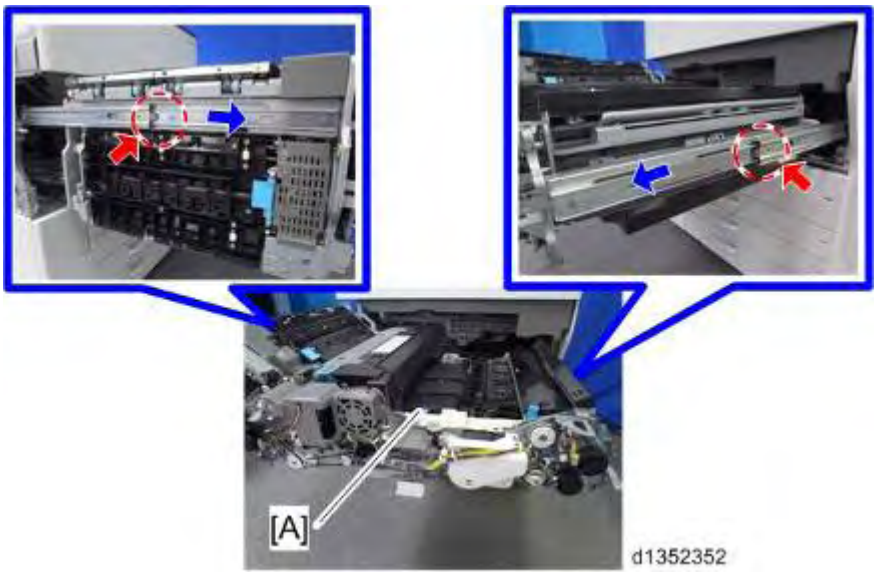


4. Cleaning Web Motor [A] (x 2)



4.7.20 CLEANING WEB CONTACT MOTOR (D137/D138 ONLY)

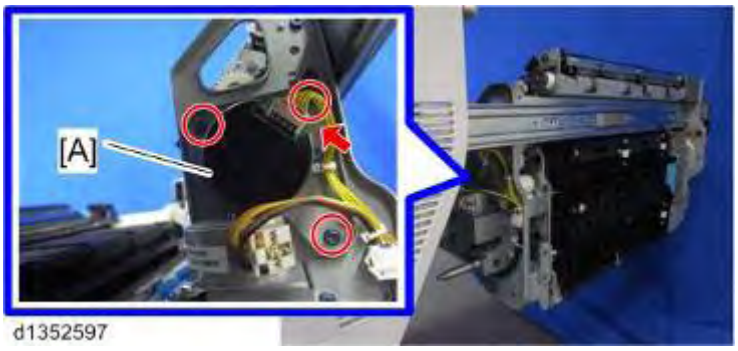
1. In order to facilitate the work, pull the drawer unit out half way, then press the release levers (one on the left side and one on the right side, shown by the red arrows) and pull the drawer unit [A] out fully.



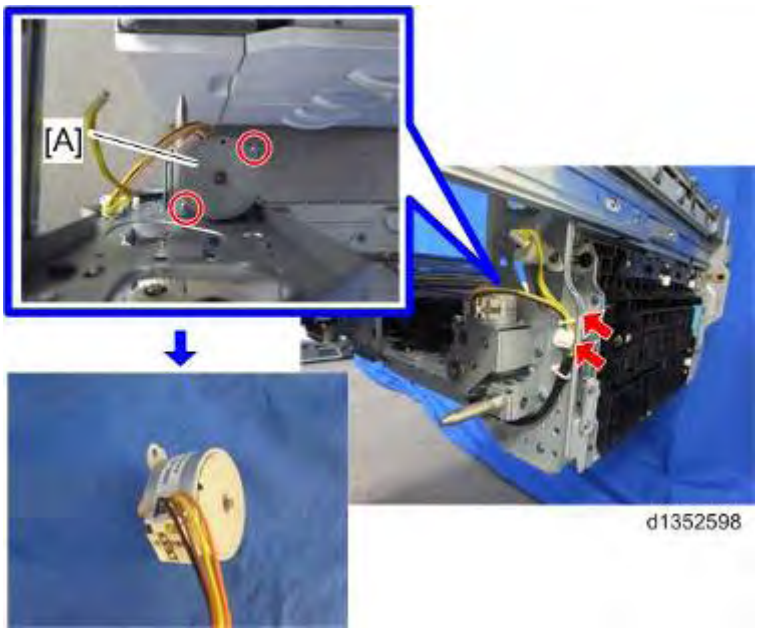
Note

- In a low-temperature environment (below 15°C), the tension of the curled cord may be reduced. So, do not pull the drawer unit out for a long time, or the curled cord will be deformed and will not curl up again when you try to slide the drawer unit back in. As a guide, every 30 minutes, push the drawer unit back to the half-way position. There is no decrease in tension of the curled cord with a low-temperature environment if the drawer unit is open half-way.

2. Exit inverter motor [A] along with the bracket (x 3, x 1)



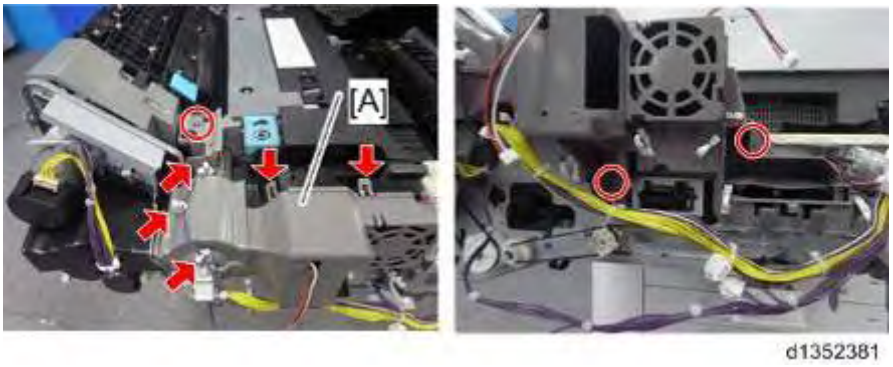
3. Cleaning Web Contact Motor [A] (x 2, x 1, x 1)


[A]
d1352598

4.7.21 FUSING HEAT PIPE COOLING FAN

1. Drawer unit cover (☛ page 4-69)
2. Disconnect the connector, clamp, etc., in order to remove the duct together with the fusing heat pipe cooling fan [A].

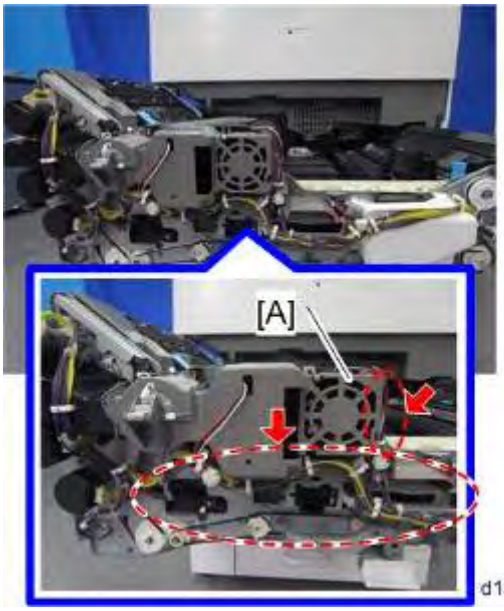
3. Fusing heat pipe cooling fan [A] along with the duct (x 3, x 3, hook x 2)



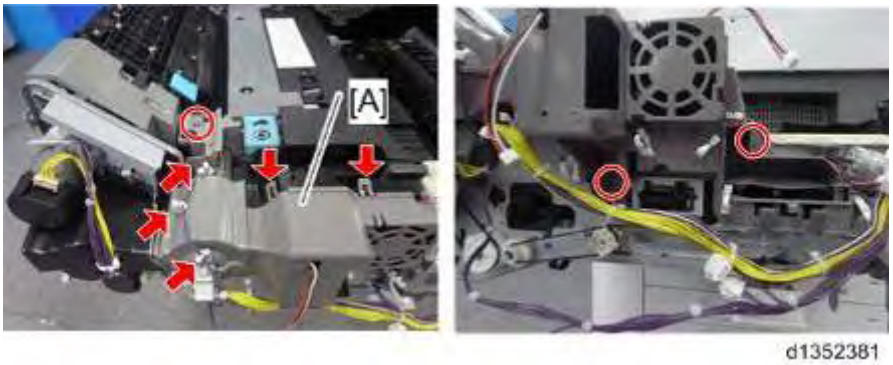
4. Fusing heat pipe cooling fan [A]

4.7.22 IH COIL COOLING FAN

1. Drawer unit cover (☛ page 4-69)
2. Disconnect the connector, clamp, etc., in order to remove the duct together with the IH coil cooling fan [A].



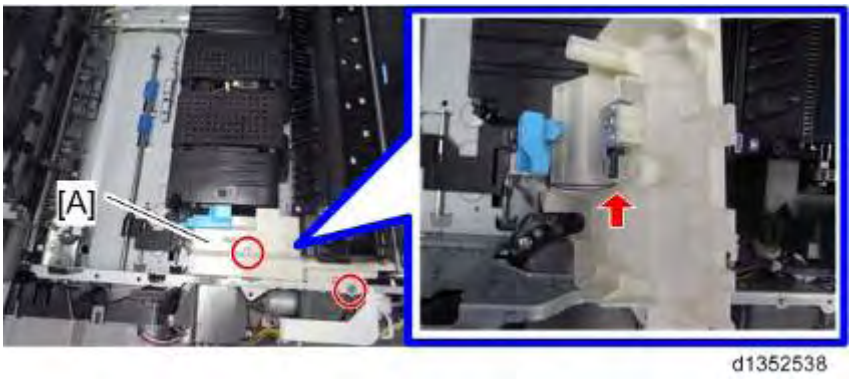
3. IH coil cooling fan [A] along with the duct (x 3, x 3, hook x 2)



4. IH coil cooling fan [A]

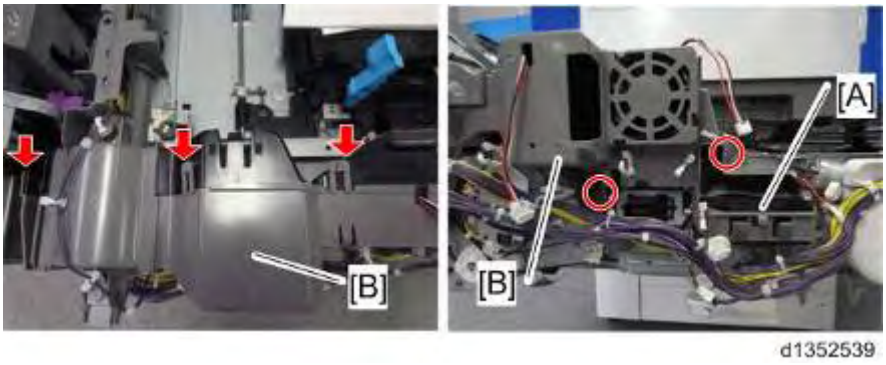
4.7.23 FUSING PRESSURE ROLLER INTAKE FAN (D137/D138 ONLY)

1. Drawer unit cover (☛ page 4-69)
2. Fusing unit (☛page 4-211)
3. Inner cover [A] (x 2, x 1)

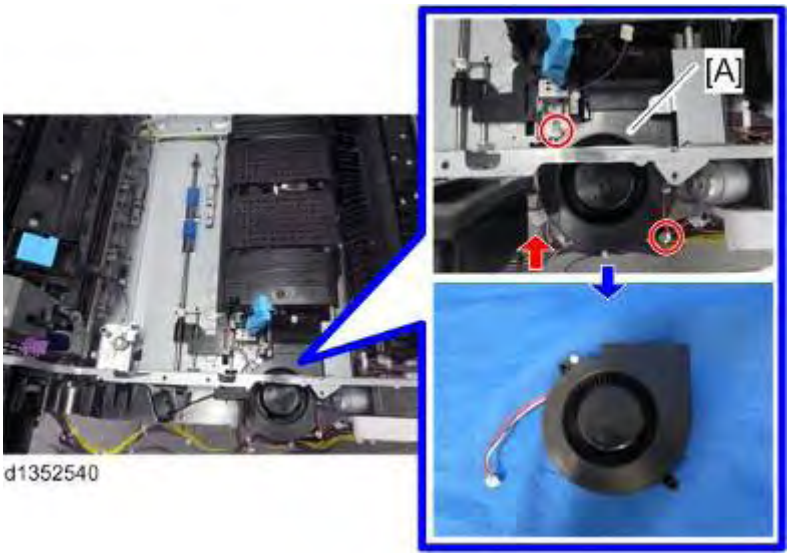


4. Disconnect the connector, clamp, etc., of the duct [A] for the fusing heat pipe cooling fan and IH coil cooling fan.

5. Duct [A] for the fusing heat pipe cooling fan and IH coil cooling fan (x 2, x 3, hook x 4 (On the left side, there is a hook on the top and bottom.))



6. Fusing pressure roller intake fan [A] (x 2, x 1)



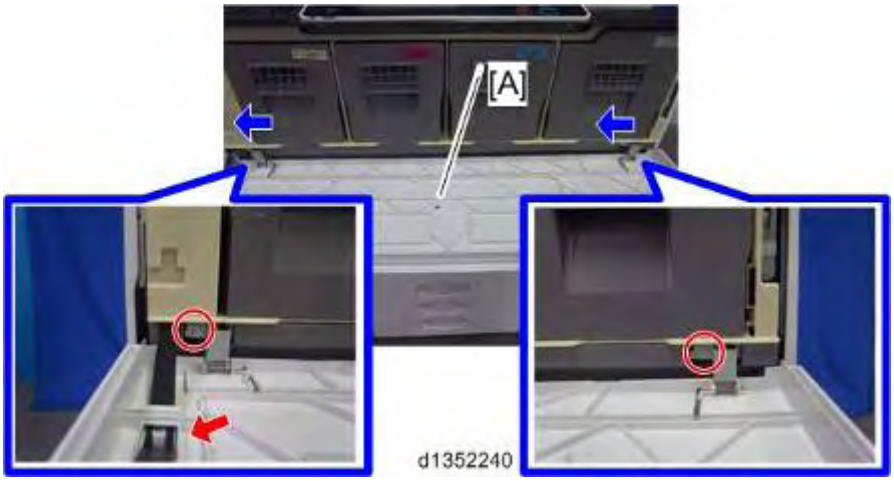
d1352540

4.8 TONER SUPPLY UNIT

4.8.1 TONER SUPPLY UNIT FRONT COVER

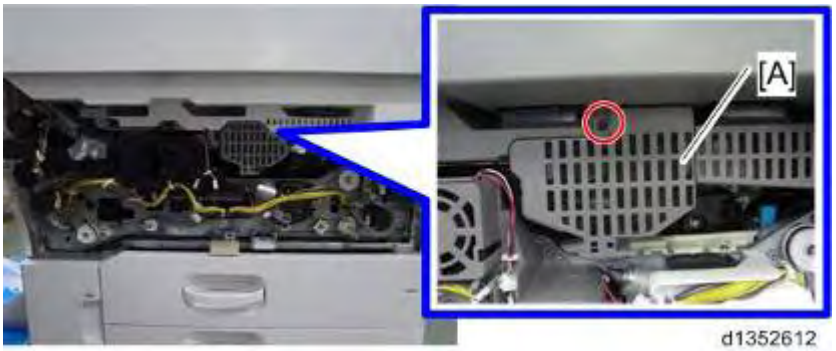
1. Open the toner supply unit front cover [A].

2. Remove the toner supply unit front cover [A] by sliding it to the left, fastener x 1).



4.8.2 TONER SUPPLY UNIT

1. Drawer unit cover (☛ page 4-69)
2. ITB cleaning intake fan [A] along with the duct (x 1*).

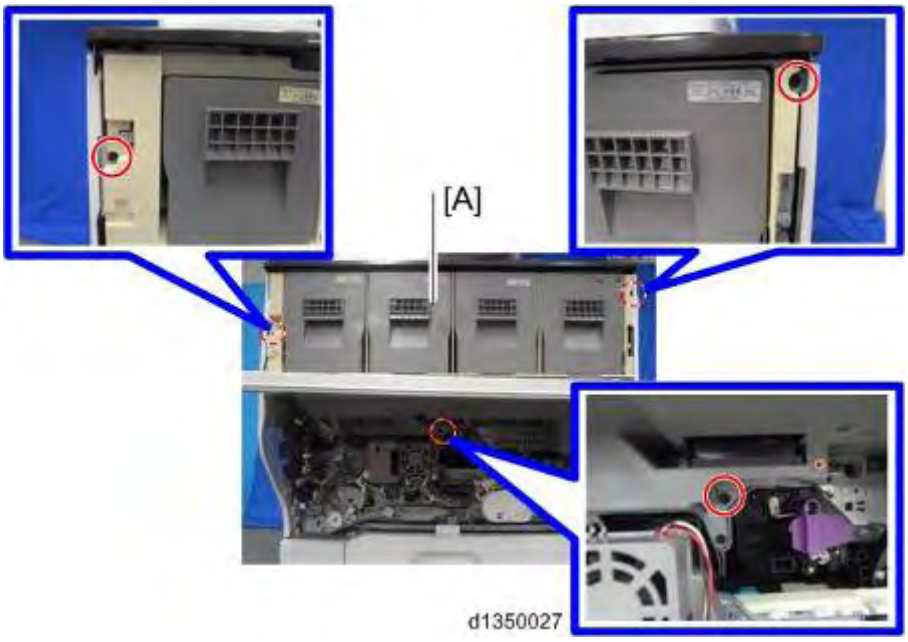


* D137/D138 use TCRU/ORU screws

3. Open the toner supply unit front cover [A].

d1350026

4. Remove the fixing screws of the toner supply unit [A] (x 3*).



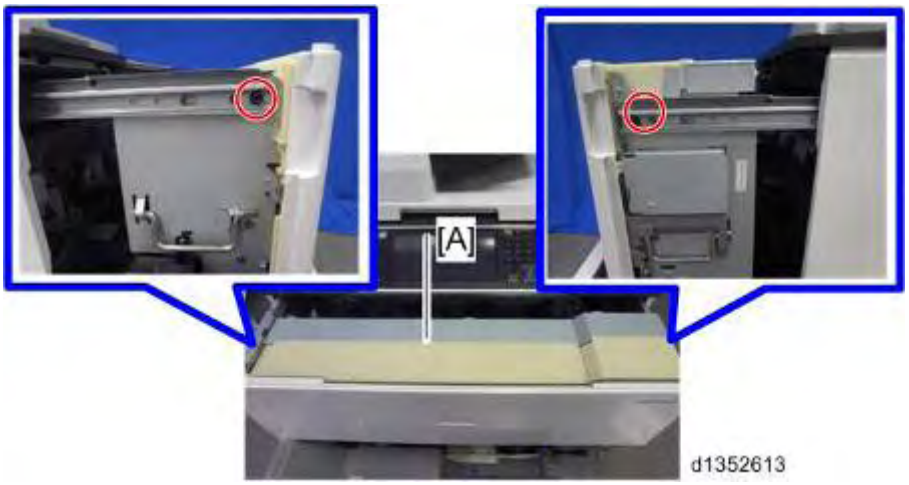
d1350027

* D137/D138 use TCRU/ORU screws

5. Slide the toner supply unit [A] to the front.

d1350028

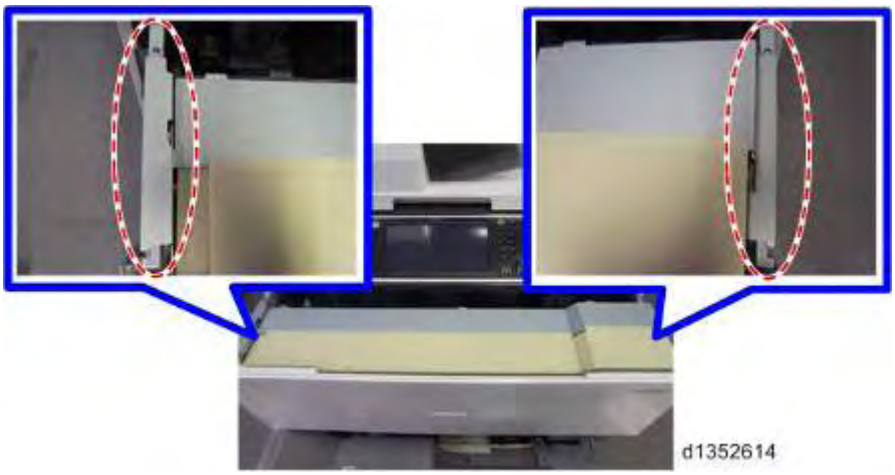
6. Pull out the toner supply unit [A], and remove it from the slide rail with the handles on the left and right (x 2*).



* D137/D138 use TCRU/ORU screws

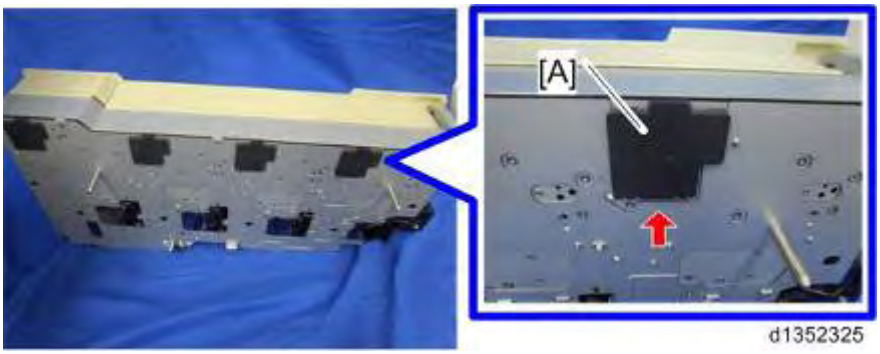
Note

- When attaching the toner supply unit to the machine, the hooks of the toner supply unit should be fit into the holes in the slide rails.

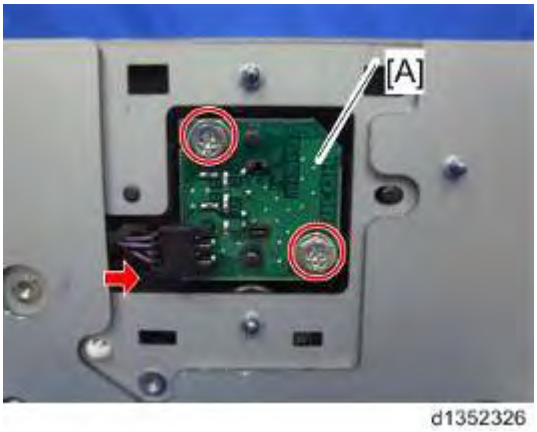


4.8.3 ID CHIP CONNECTOR BOARD (KCMY)

1. Toner supply unit (☛ page 4-96)
2. ID chip connector board cover [A].
   e.g.: Y

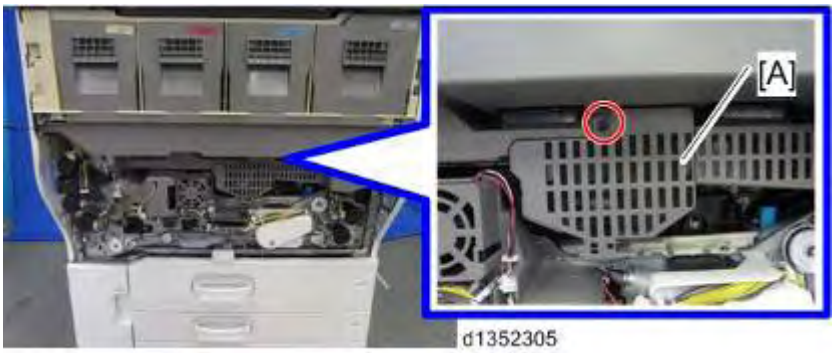


3. ID chip connector board [A] (x 2, x 1).



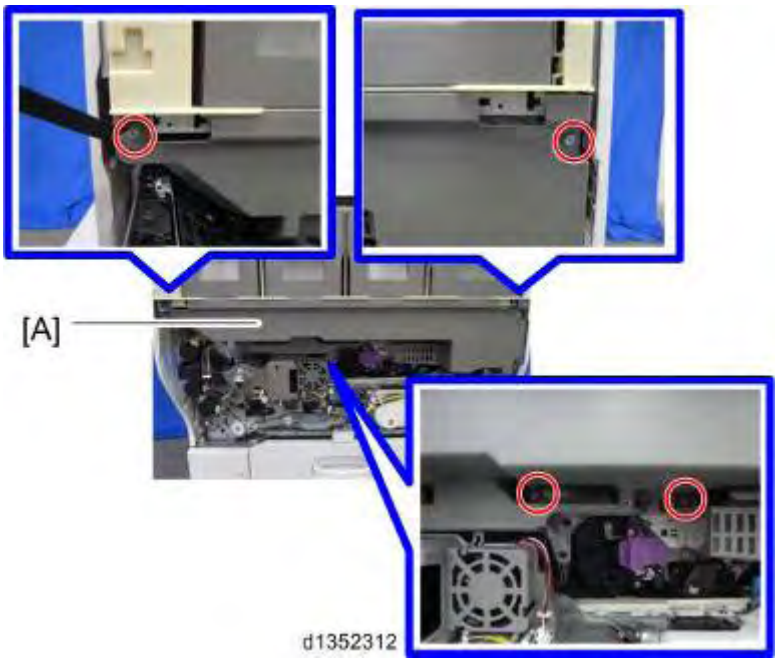
4.8.4 TONER SUPPLY UNIT INNER COVER

1. Toner supply unit front cover (☛ page 4-96)
2. Drawer unit cover (☛ page 4-69)
3. ITB cleaning intake fan [A] along with the duct (🔩 x 1*).



* D137/D138 use TCRU/ORU screws

4. Toner supply unit inner cover [A] (🔩 x 4).

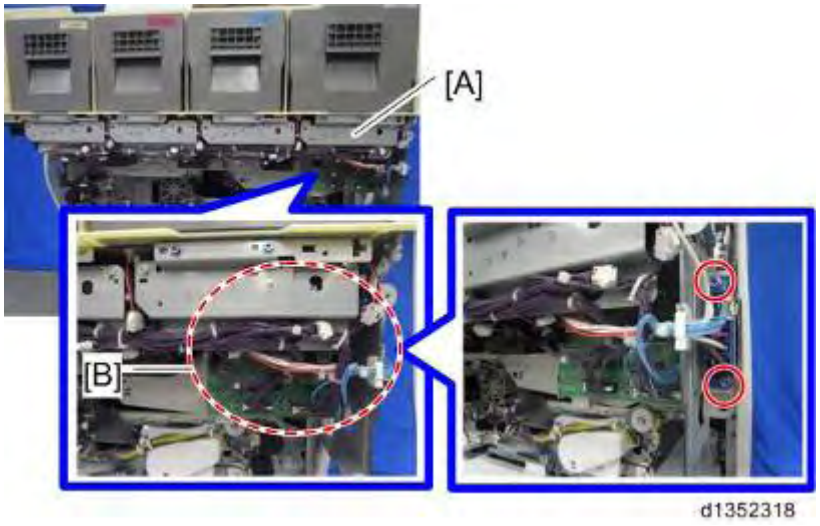


4.8.5 TONER END SENSOR (KCMY)

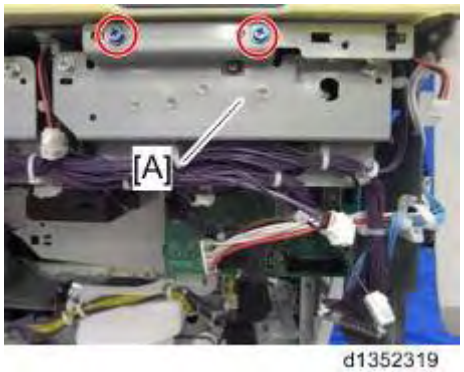
1. Toner supply unit inner cover (☛ page 4-100)
2. CMY: Sub Hopper Unit [A] (x 2 each, all s)
   e.g.: Y

Note

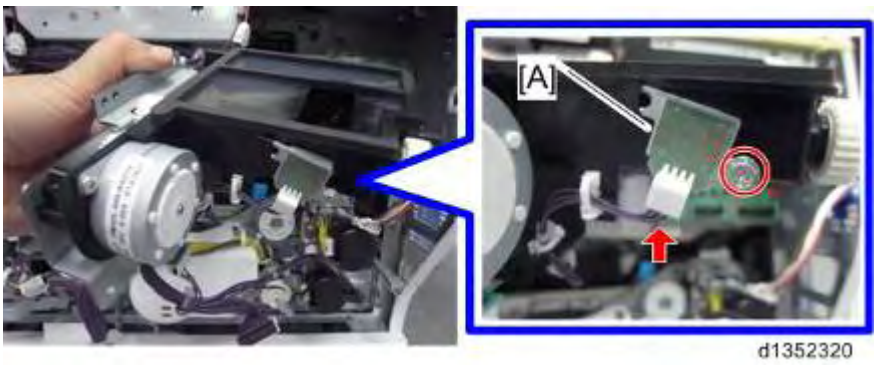
- K: Disconnect all the connectors and clamps connected to the sub hopper unit [A] and toner supply board (TSB) [B] (x 2).



- Sub hopper unit [A] (x 2)



3. Toner end sensor (x 1, x 1)

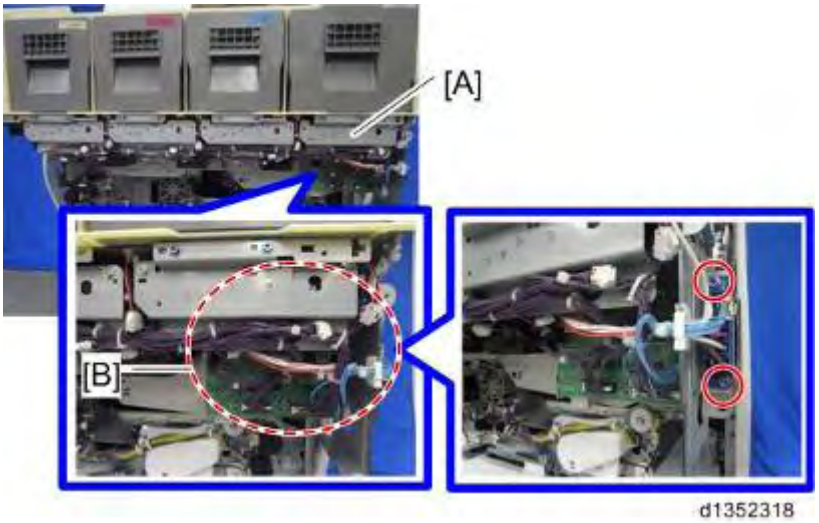


4.8.6 SUB HOPPER MOTOR (KCMY)

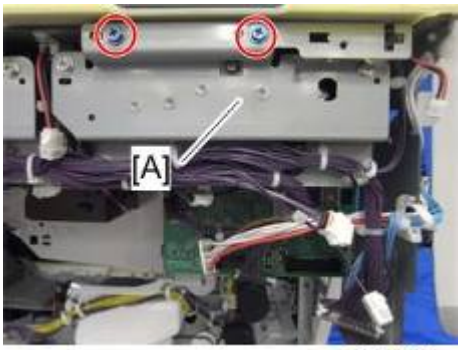
1. Toner supply unit inner cover (☛ page 4-100)
2. CMY: Sub Hopper Unit [A] (x 2 each, x 2 each, x 1 each)
   e.g.: Y

Note

- K: Disconnect all the connectors and clamps connected to the sub hopper unit [A] and toner supply board (TSB) [B] (x 2).



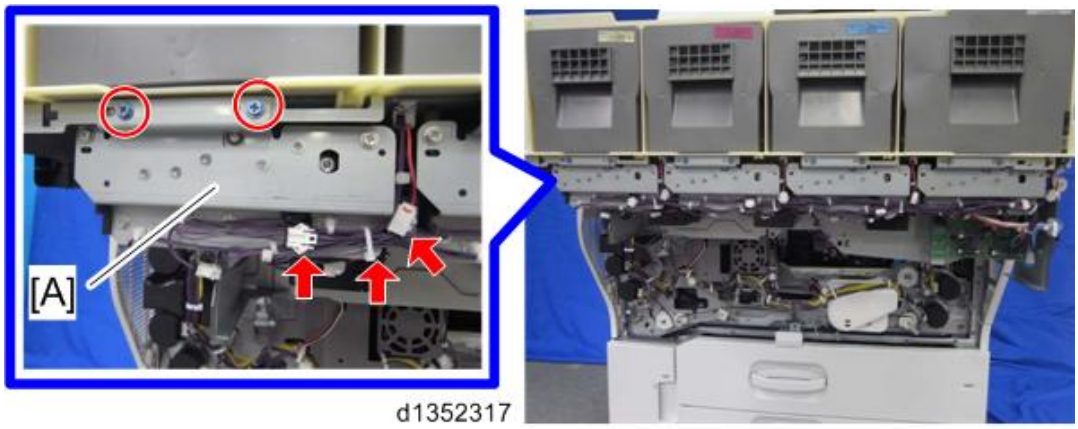
- Sub hopper unit [A] (x 2)



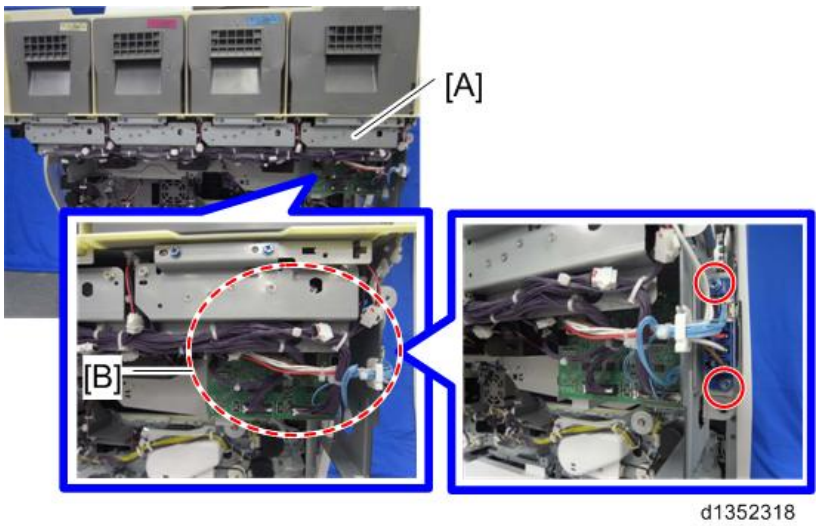
3. Sub hopper motor [A] (x 2 each, x 1 each)

⇒ 4.8.7 SUB HOPPER UNIT

1. Toner supply unit inner cover.
2. CMY: Sub Hopper Unit [A] (2 screws each, all clamps)
   e.g.: Y

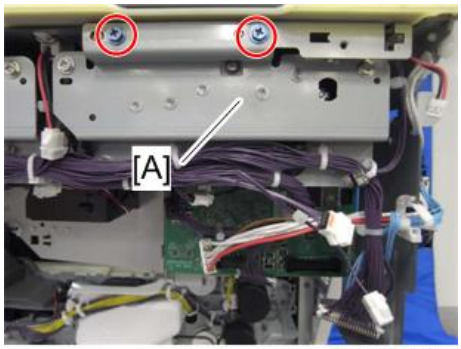


3. K: Disconnect all the connectors and clamps connected to the sub hopper unit [A] and toner supply board (TSB) [B] (2 screws).



d1352318

Sub hopper unit [A] (x 2)

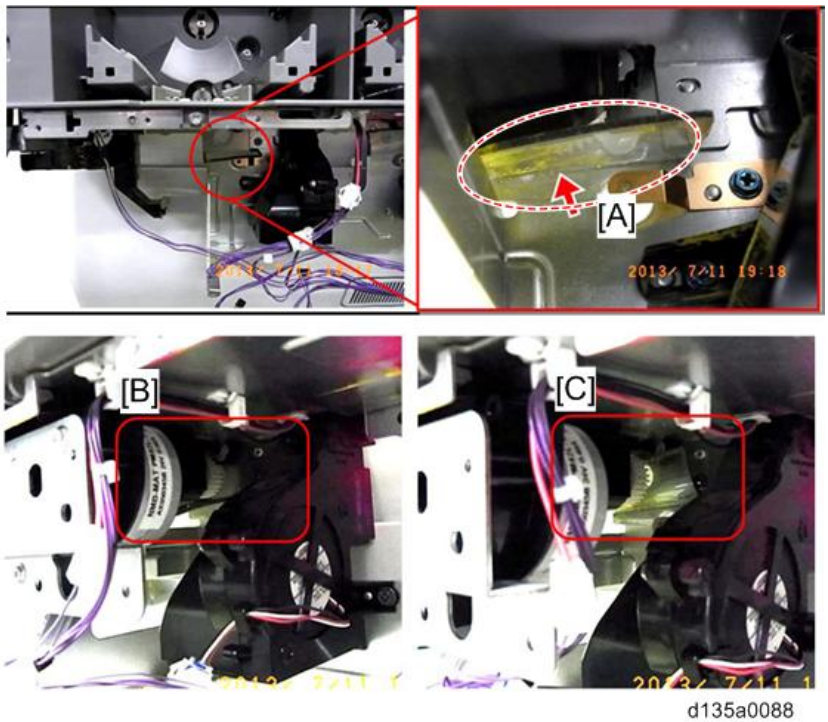


d1352319

NOTE: When installing the sub hopper unit, take care not to tuck the toner fall prevention sheet [A] attached to the toner supply unit.

[B]: Normal state

[C]: Toner fall prevention sheet is tucked



d135a0088

Adjustment after Sub Hopper Unit (KCMY) replacement

After replacing the Sub Hopper Unit, you have to execute Density Adjustment Process Control.

1. Turn on the main power switch with the by-pass tray unit [A] or the vertical transport door [B] open.

2. Enter SP mode and close the by-pass tray unit or vertical transport door.
3. Execute SP3-011-002 ([Manual ProCon:Exe] > Density Adjustment).
4. Confirm that SP3-012-001 ([ProCon OK?] > History:Latest) shows “11111111”.

4.8.8 TONER SUPPLY BOARD (TSB)

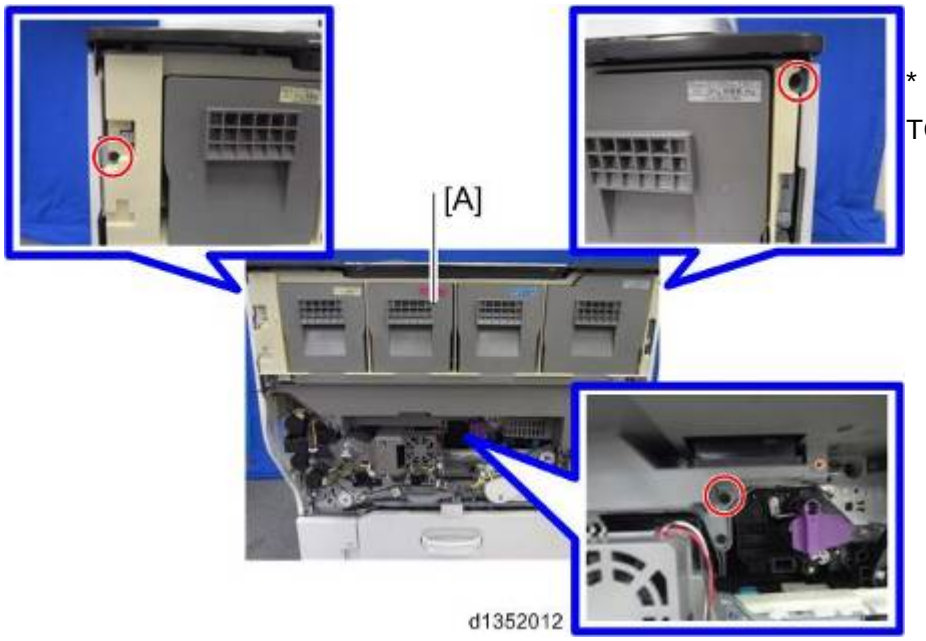
1. Toner supply unit inner cover (☛ page 4-100)
2. Sub Hopper Unit (K) (☛ page 4-102 "Sub Hopper Motor (KCMY)")
3. Toner Supply Board (TSB) [A] (🔩 x 2)

4.8.9 TONER CARTRIDGE GUIDE

1. Toner supply unit inner cover (☛ page 4-100)
2. Drawer unit cover (☛ page 4-69)
3. ITB cleaning intake fan [A] along with the duct (🔩 x 1*).

* D137/D138 use TCRU/ORU screws

4. Remove the fixing screws of the toner supply unit [A] (x 3*).

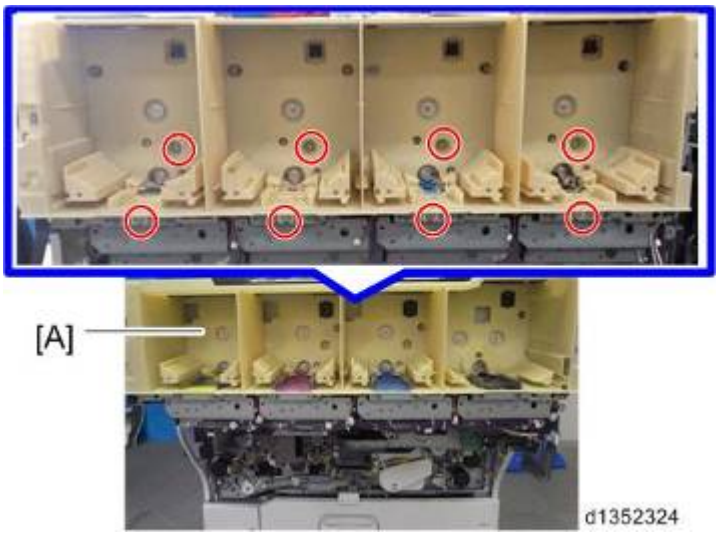


* D137/D138 use TCRU/ORU screws

5. Slide forward the toner supply unit [A].

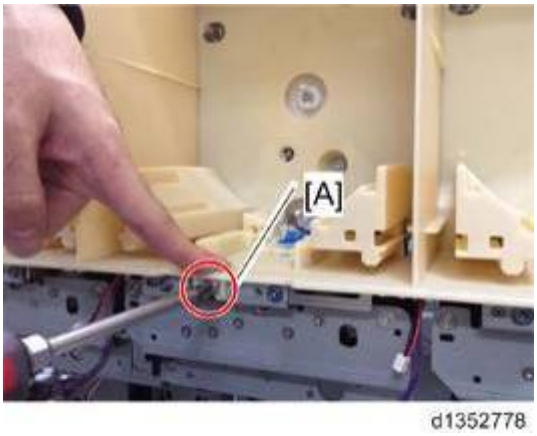
6. Toner cartridge [A]

7. Toner cartridge guide [A] (x 8)



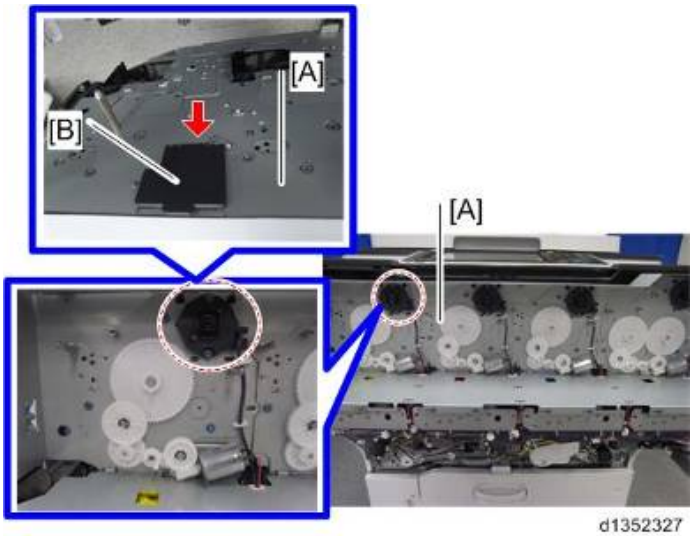
Note

- When installing, tighten the screws on the bottom while holding from the top as shown below.

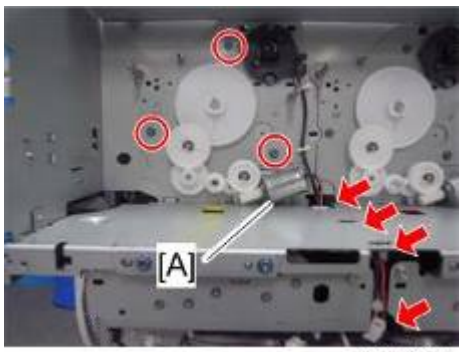


4.8.10 TONER SUPPLY MOTOR (KCMY)

1. Toner cartridge guide (☛ page 4-104)
2. Remove the ID chip connector cover [B] from the back of the toner supply unit [A].
   e.g.: Y

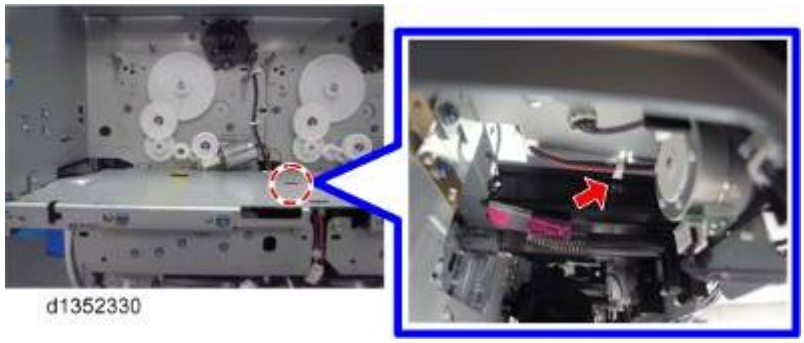


3. Toner supply motor [A] along with the bracket (x 3, x 1, x 3)

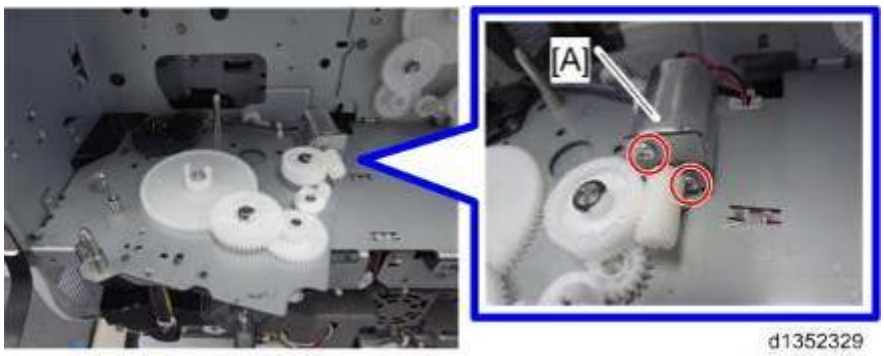


Note

- It will be easier to access the clamp shown below if you remove the development intake fan. (page 4-409 "Development Intake Fans (KCMY)")



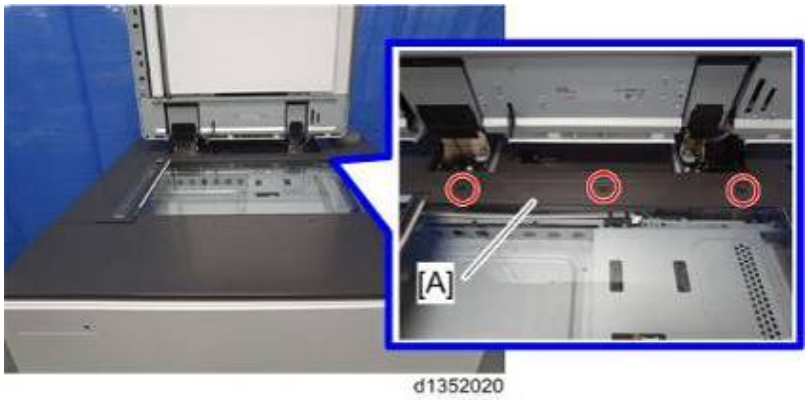
4. Toner supply motor [A] (x 2)
e.g.: Y



4.9 SCANNER UNIT

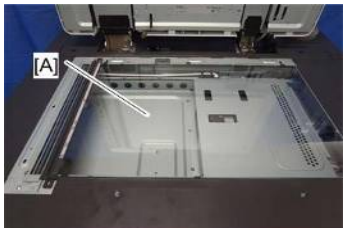
4.9.1 EXPOSURE GLASS

1. Rear scale [A] (x 3)



2. Glass cover [A] (x 2)

3. Exposure glass [A]



Note

- When attaching the glass cover, ensure that the glass cover is not riding on the upper front cover or the upper rear small cover.

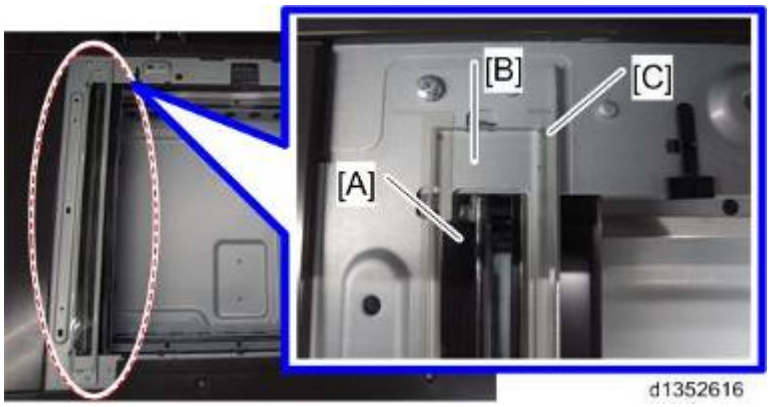
4.9.2 ADF EXPOSURE GLASS / GAP SHEET (D135/D136)

Note

- The document transport system of the ADF is different between D135/D136 and D137/D138. D135/D136 uses a new non-contact transport system, so the glass replacement procedure is changed accordingly.

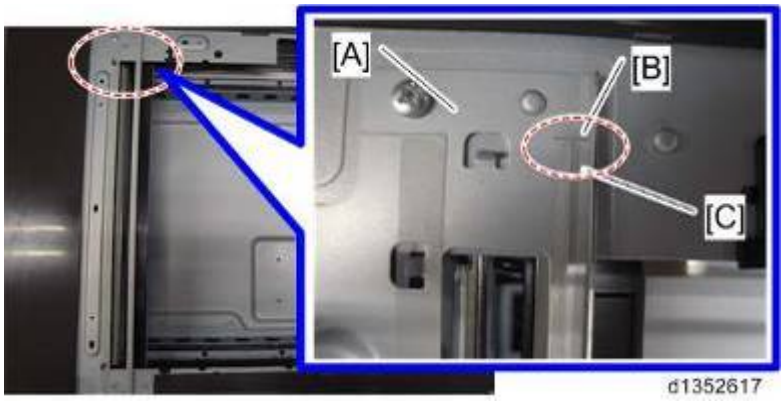
How to Remove the ADF Exposure Glass/Gap Sheet

1. Exposure glass (☛ page 4-108)
2. Remove the gap sheet (black) [A], ADF exposure glass [B] and exposure glass seal (transparent) [C].



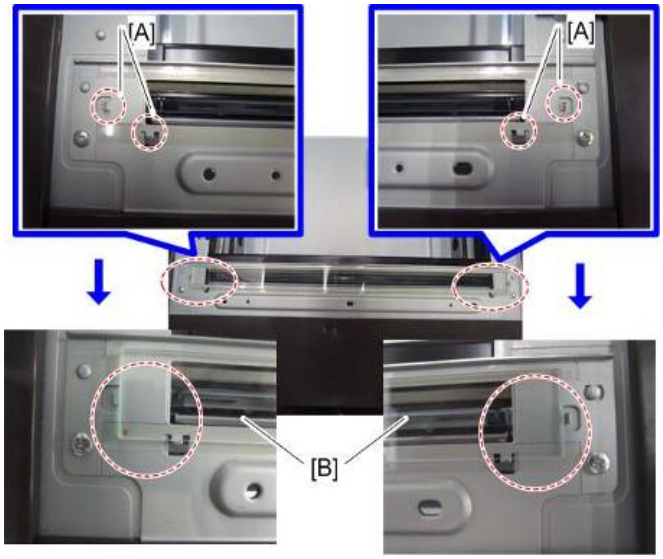
How to Attach the ADF Exposure Glass/Gap Sheet

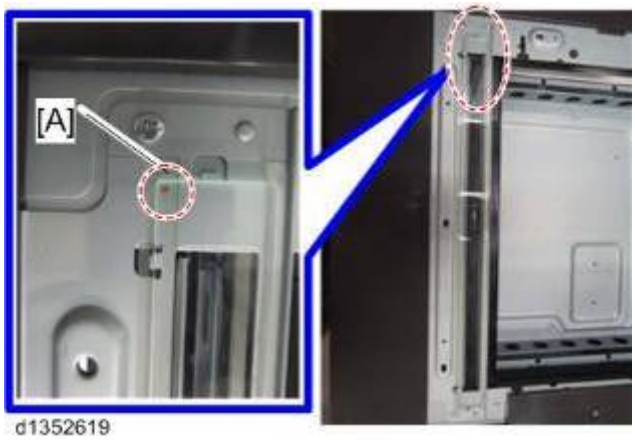
1. Clean the place to attach the exposure glass seal on the exposure glass bracket with alcohol.
2. Attach the exposure glass seal* [C] along the marking [B] on the exposure glass bracket [A].



* The tip of the seal is cut at an angle.

3. Peel off the release paper of the exposure glass seal.
4. Attach the ADF exposure glass [B] along the lancing parts [A] on the exposure glass bracket.

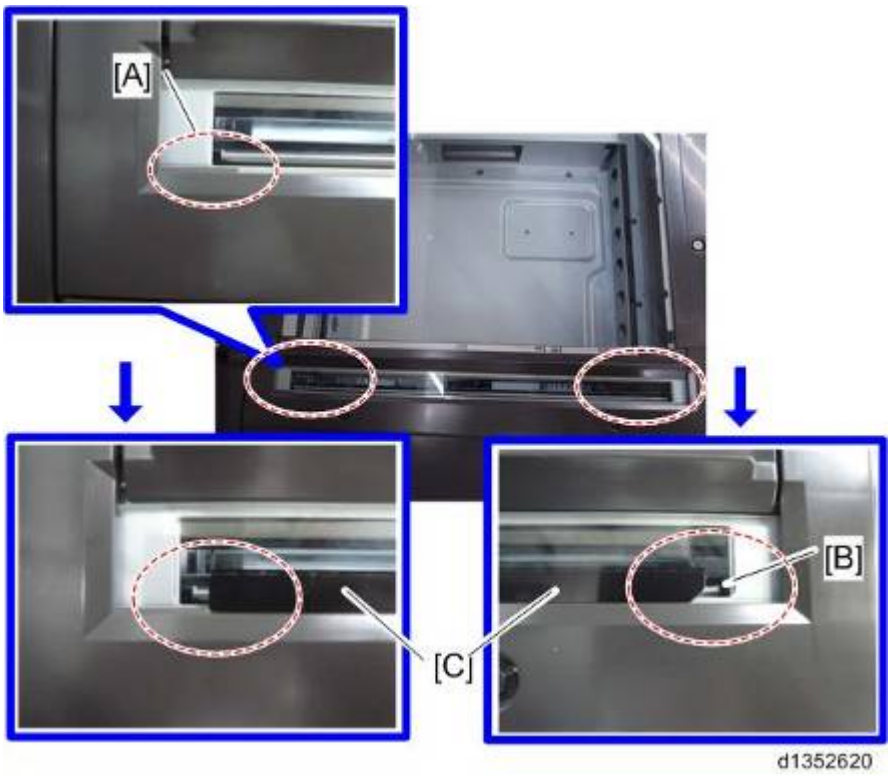




Note

- Attach the ADF exposure glass, so that the marking [A] is on the upper left.

5. Attach in the order of exposure glass, glass cover and rear scale.
6. Clean the ADF exposure glass with a dry cloth.
7. Peel off the release paper of the gap sheet.
8. Fit the gap sheet* [C] to the convex portion [A] on the glass cover.



*The tip of the seal is cut at an angle. Its tip faces the front [B].

Note

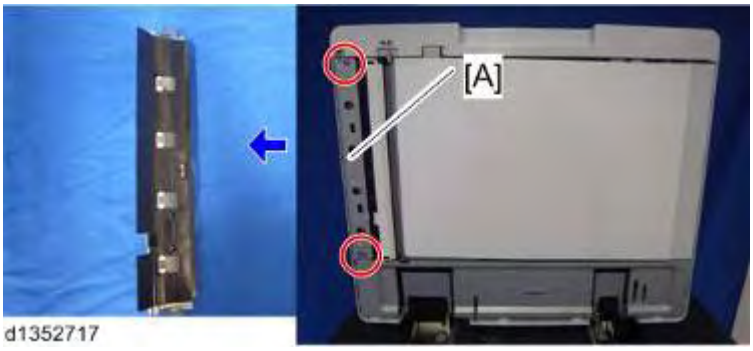
- When replacing an ADF exposure glass, replace with a new exposure glass seal and a gap sheet as well.
- ADF Exposure Glass (D137/D138): Same as for D135/D136, except there is no gap sheet.

4.9.3 MODIFICATION PROCEDURE FOR ORIGINAL TRANSPORT

For D135/D136, if you change from contact transport to non-contact transport, it is necessary to replace parts of the scanner unit and the ADF.

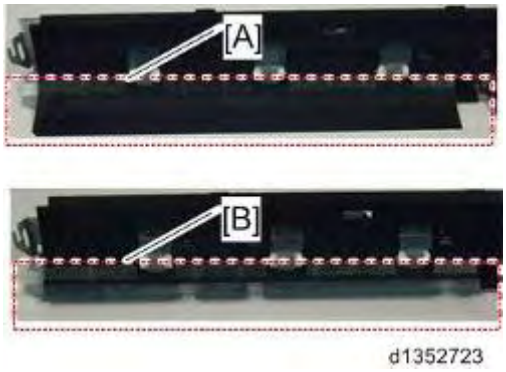
Replacing Parts of the ADF

1. Open the ADF
2. Entrance lower guide unit [A] (x 2).



Note

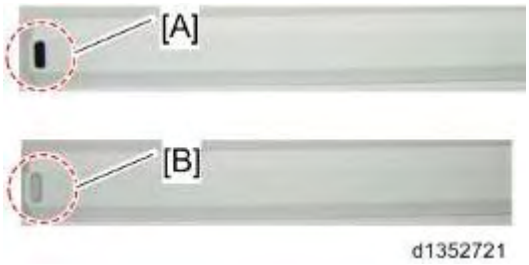
- Entrance lower guide unit for non-contact transport: the following areas are black [A].
- Entrance lower guide unit for contact transport (part number: D6833401): the following areas are clear and colorless [B].



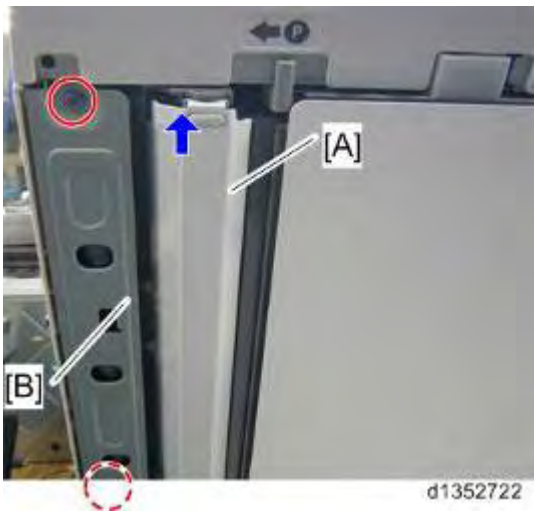
3. Scanning guide plate [A] (hook x 1).

Note

- Scanning guide plate for non-contact transport: the following areas are black [A].
- Scanning guide plate for contact transport (part number: D6833350): the following areas are white [B].



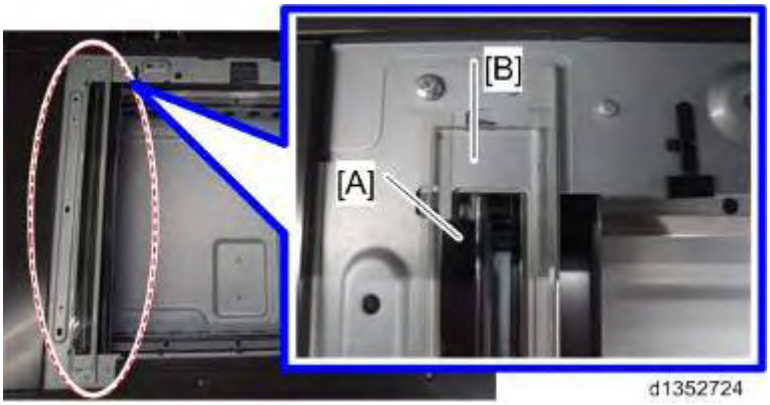
4. Attach the scanning guide plate for contact transport [A] (hook x 1).
5. Attach the entrance lower guide unit for contact transport [B] (x 2).



6. Enter the SP mode, set "98" at SP4-688-002 (Scan Image Density Adjustment 1-pass).

Removing the Scanner Parts

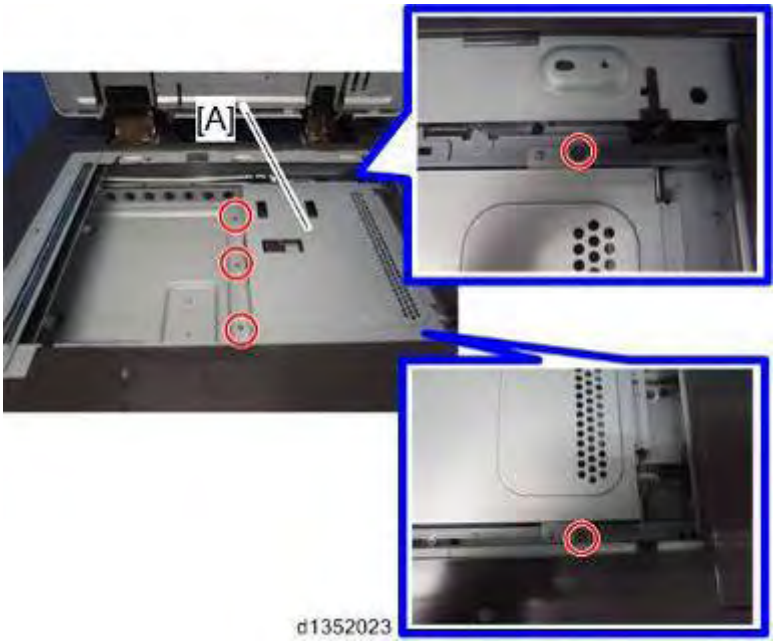
1. Exposure glass (☛ page 4-108)
2. Remove the gap sheet (black) [A] from the ADF exposure glass [B].



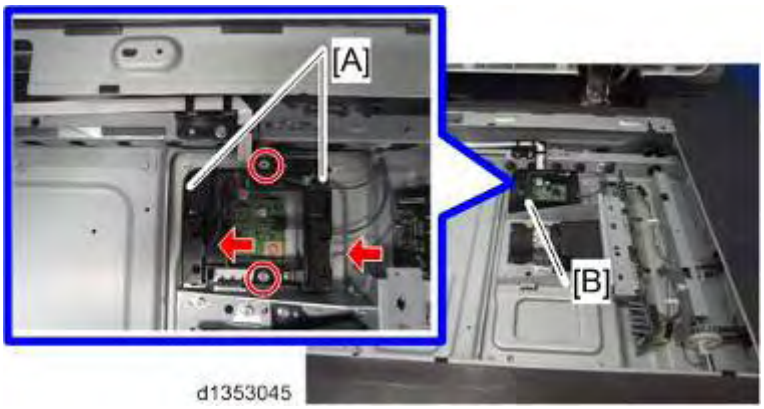
3. Clean the ADF exposure glass with alcohol.

4.9.4 LENS BLOCK / ORIGINAL SIZE SENSOR

1. Exposure glass (☛ page 4-108)
2. Lens cover [A] (🔩 x 5)

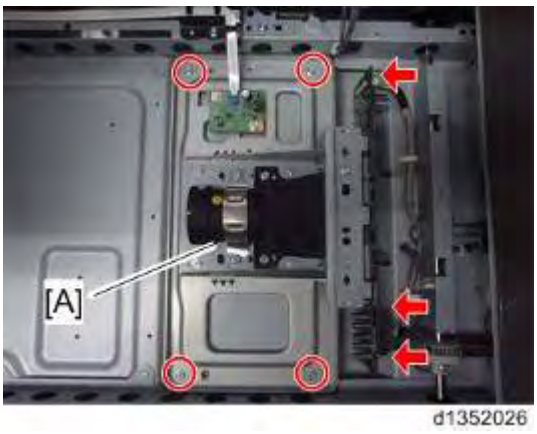


3. Original size sensors [A] (🔧 x 2) and the sensor cradle [B] (🔩 x 2)



4. IDB [A] (🔩 x 2, 🔧 x 2)

5. Lens Block [A] (🔩 x 4, 🔧 x 3)



Adjustment after Replacing the Lens Block

SP4-008-001: Sub Scan Magnification Adj (☛"Sub Scan Magnification Adjustment" in page 4-135 "Magnification and Registration Adjustment")

SP4-010-001: Sub Scan Registration Adj (☛"Sub Scan Registration Adjustment" in page 4-135 "Magnification and Registration Adjustment")

SP4-011-001: Main Scan Reg (☛"Main Scan Registration Adjustment" in page 4-135 "Magnification and Registration Adjustment")

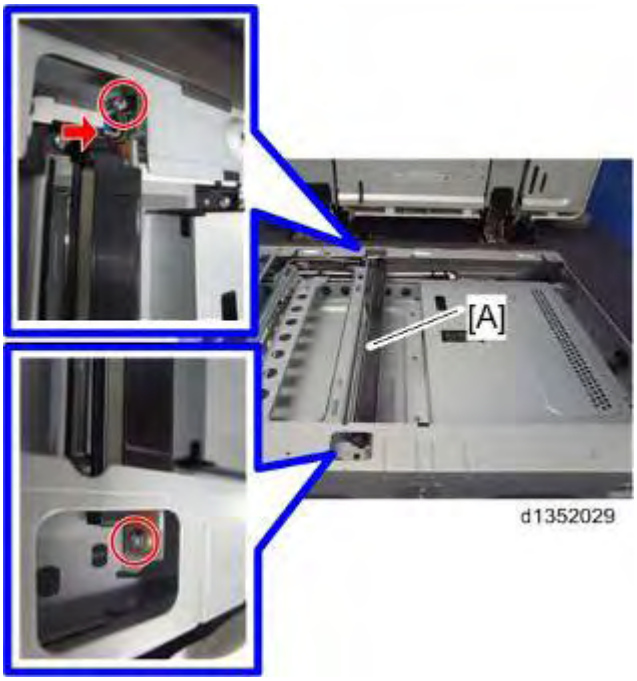
4.9.5 EXPOSURE LAMP (LED)

1. Exposure glass (☛ page 4-108)
2. Upper front cover (☛ D137/D138: page 4-21, D135/D136: page 4-22)
3. Move the 1st scanner carriage [A] to the notched section [B].

Note

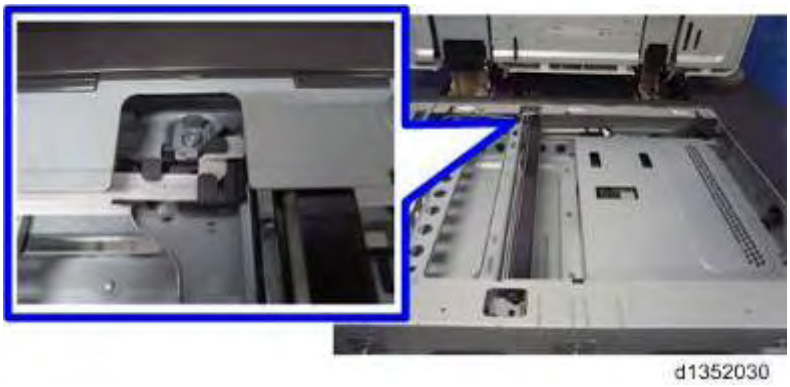
- Do not touch the mirror, reflector, or light guide plate in the scanner carriage.

4. Exposure lamp (LED) [A] (x 2, x 1)



Note

- When attaching the exposure lamp, put the harness in the hook.



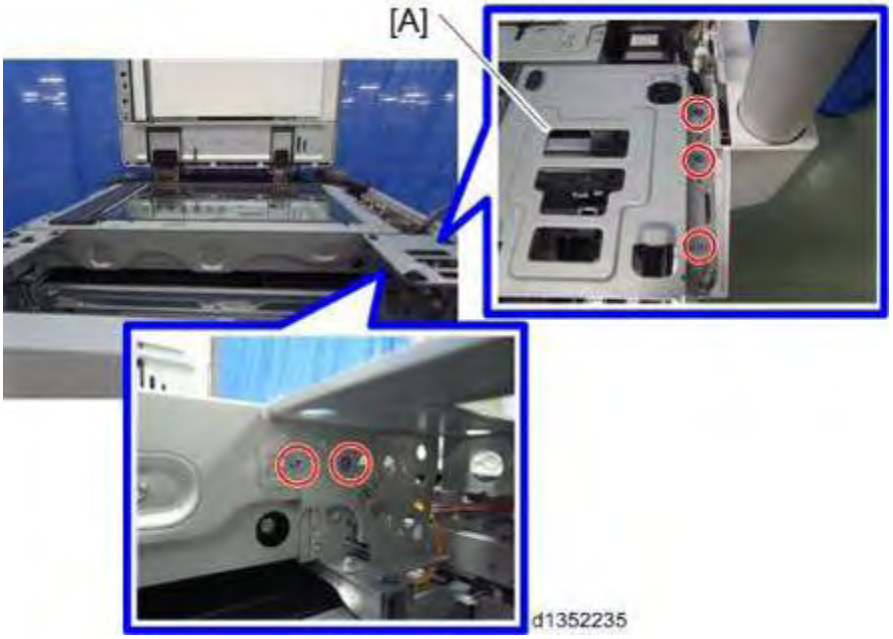
4.9.6 SCANNER DRIVE MOTOR

1. Upper right cover (☛ page 4-23 "Upper Left Cover/ Upper Right Cover")

Note

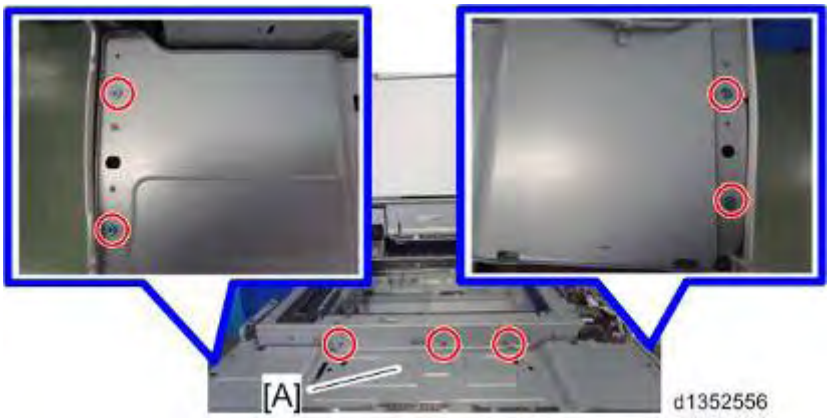
- In the case of D135/D136, also remove the operation panel. (☛ page 4-30 "Operation Panel")

2. Pull out the toner supply unit. (☛ page 4-96)
3. Right side stay [A] (x 5)

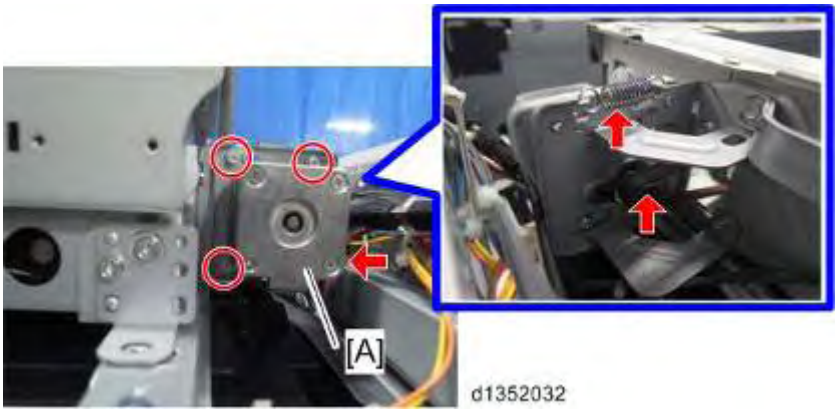


Note

- Iin the case of D135/D136, remove the operation panel bracket [A] (x 7).



4. Scanner drive motor [A] along with the bracket (x 3, x 1, spring x 1, timing belt x 1)



5. Motor bracket [A] (x 2)

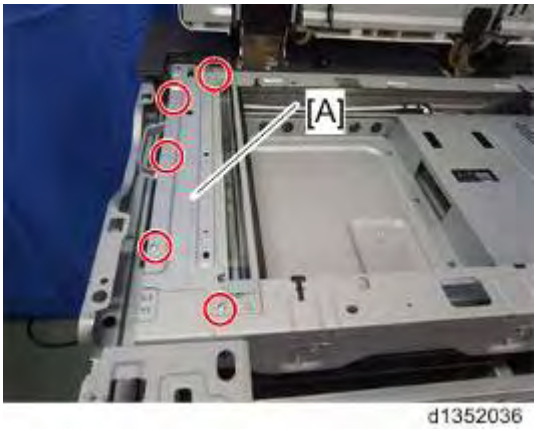
6. Motor cushion [A] (x 2)

Note

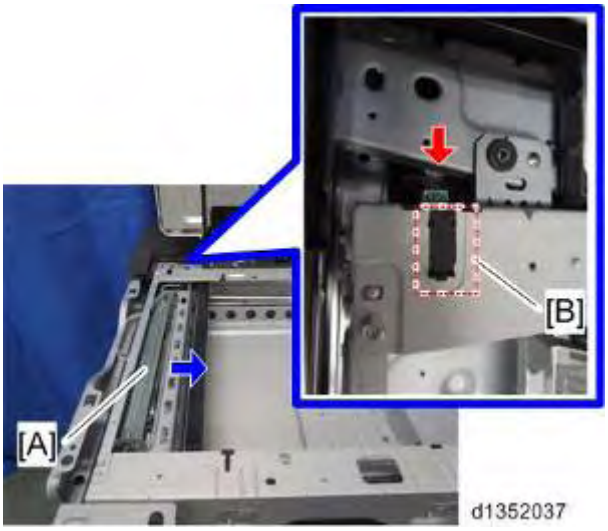
- When attaching the motor, make sure that the timing belt does not come off. Slide the motor a few times. Screw the motor into place while the spring is pulled.

4.9.7 SCANNER HP SENSOR

1. Exposure glass (☛ page 4-108)
2. Upper left cover (☛ page 4-23 "Upper Left Cover/ Upper Right Cover")
3. Left bracket [A] (x 5)

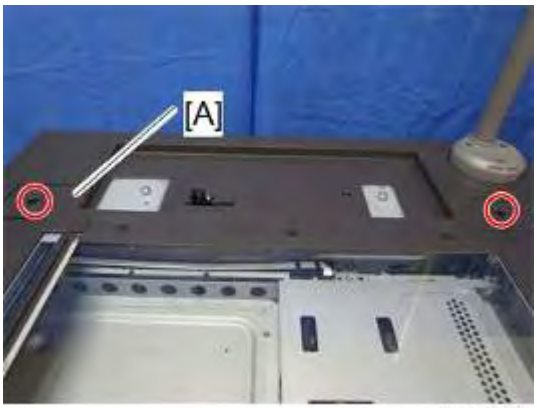


4. Move the 1st scanner carriage [A] to the center. Peel off the shielding plate [B], Then remove the scanner HP sensor (x 1).

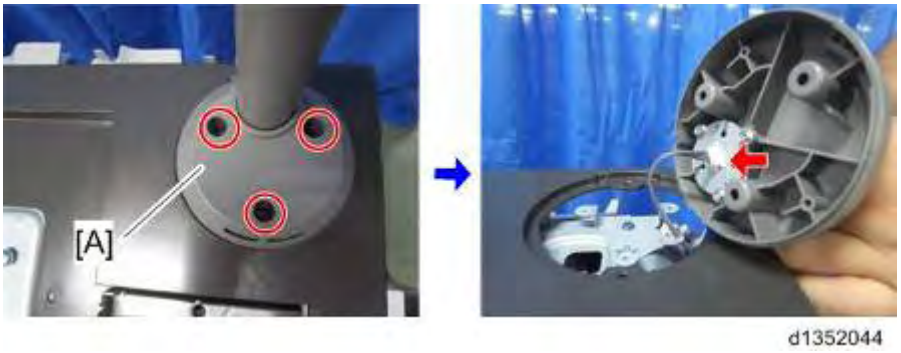


4.9.8 DF POSITION SENSOR

1. ADF (☛ page 4-36)
2. Upper rear small cover [A] (x 2)



3. Operator call light [A] (x 3, x 1)

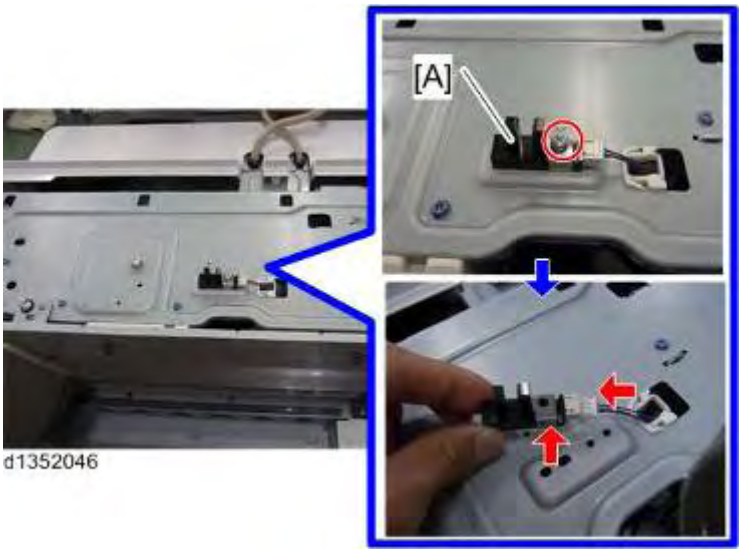


Note

- The operatior call light is not attached to D135/D136, so this step is not required.

4. Upper rear cover [A] (x 2)

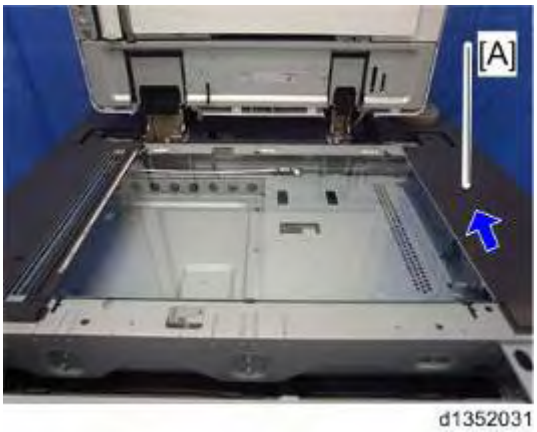
5. DF position sensor [A] (x 1, x 1, spring plate x 1)



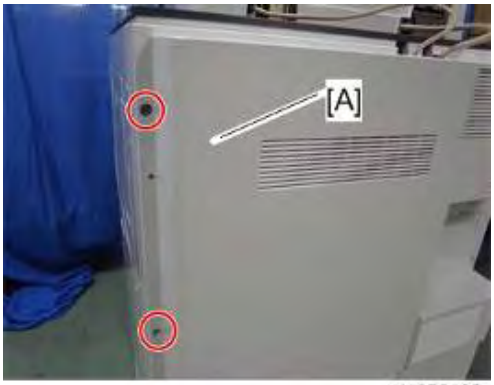
4.9.9 SIO BOARD

1. Upper rear small cover [A] (x 2)

2. Slide the upper right cover [A] toward the rear.

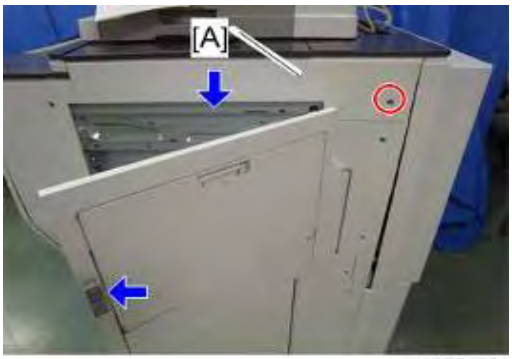


3. Remove the fixing screws on the right side of the rear middle cover [A] (x 2).



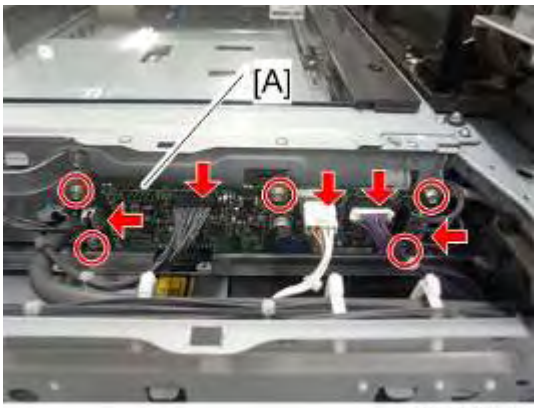
d1352195

4. Open the by-pass tray unit, then remove the right middle cover [A] (x 1).



d1352196

5. SIO board [A] (x 5, x 5)



D1352038

Note

- The 5 screws for the SIO board are accessed from holes in the right frame of the machine.

d1352039

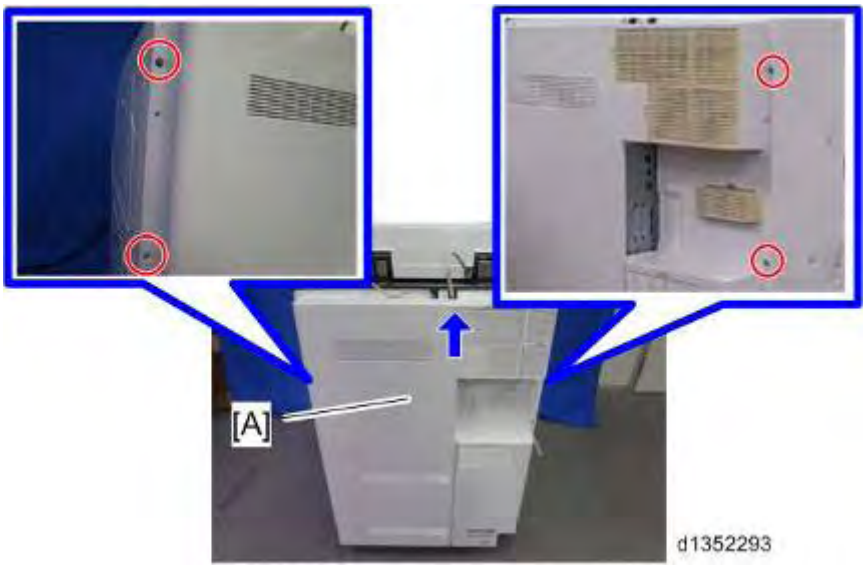
4.9.10 SCANNER UNIT

1. Upper left cover/ upper right cover (☛ page 4-23 "Upper Left Cover/ Upper Right Cover")

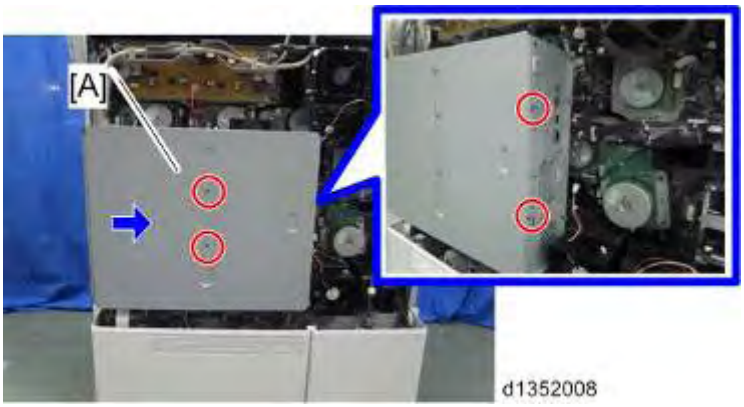
Note

- In the case of D135/D136, also remove the operation panel. (☛ page 4-30 "Operation Panel")

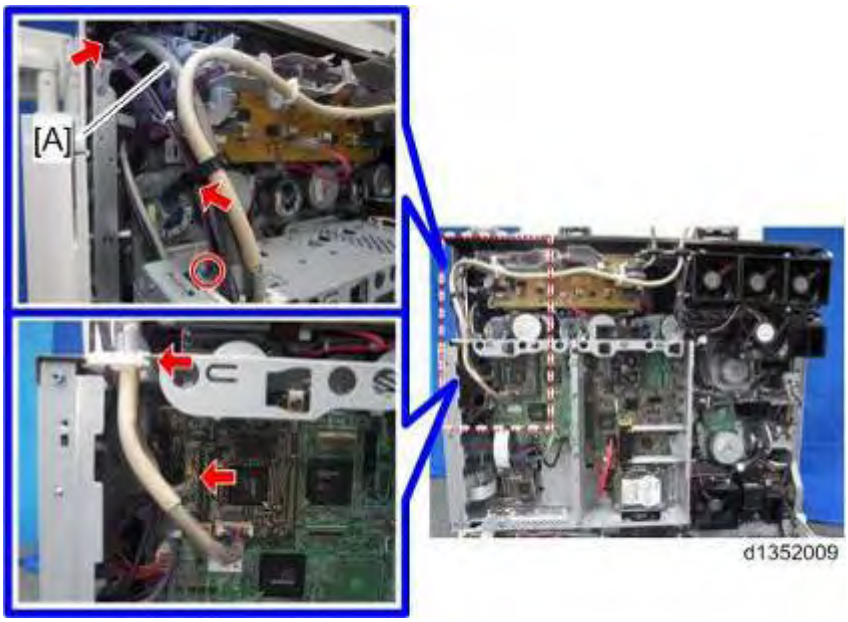
2. Rear middle cover [A] (x 4)



3. Slide the controller box cover [A] to the right (x 4).



4. Disconnect the interface cable [A] from the rear of the machine (x 1, x 1, x 2, bind x 1).



Note

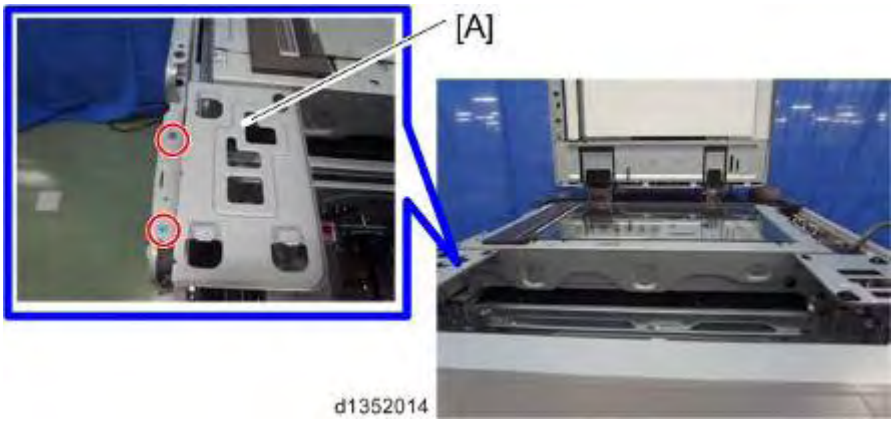
- When connecting the scanner cable, do not forget to attach the bind. As shown in the pictures below, the binding position should be in the middle of the cable.

5. Remove the interface cable [A] through the right side [B] of the machine (x 3).

6. Disconnect the connector of the scanner unit [A] (x 2).

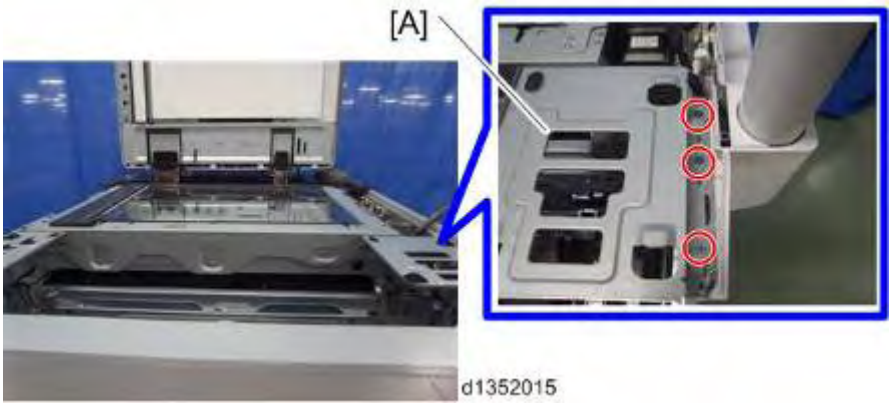
d1352011

7. Fixing screws on the left side stay [A] (x 2)



d1352014

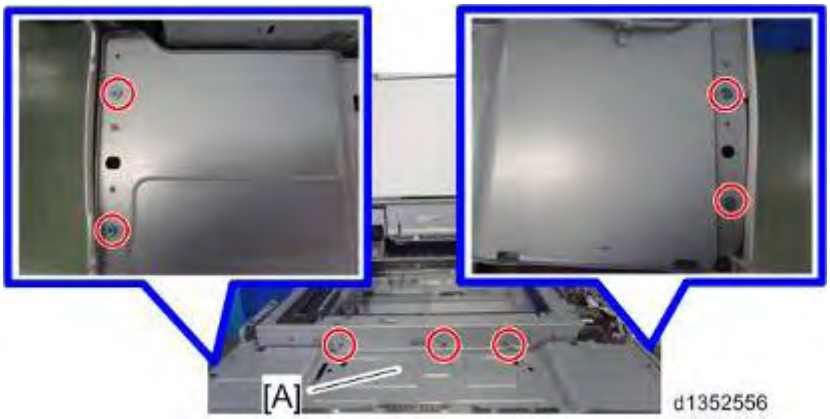
8. Fixing screws on the right side stay [A] (x 3)



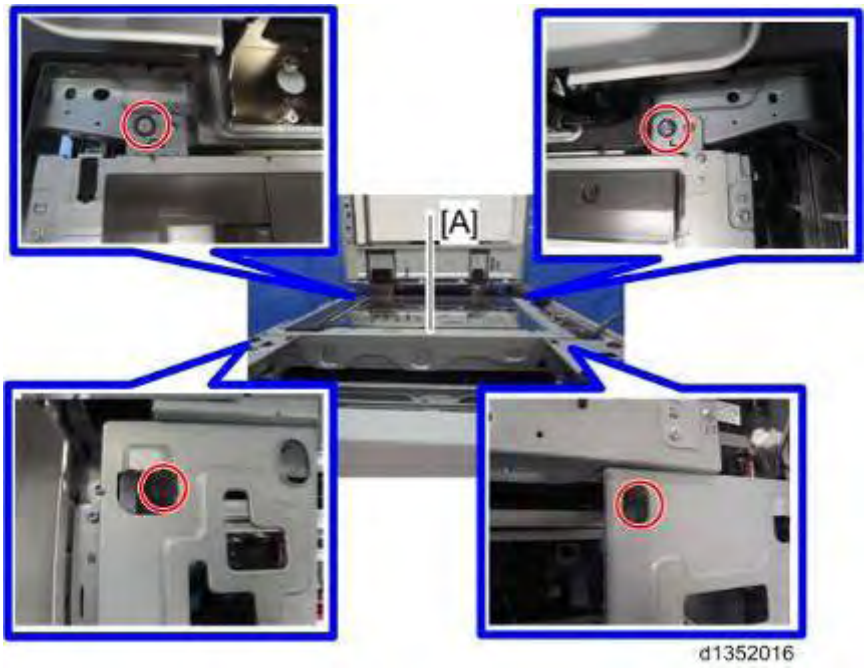
d1352015

Note

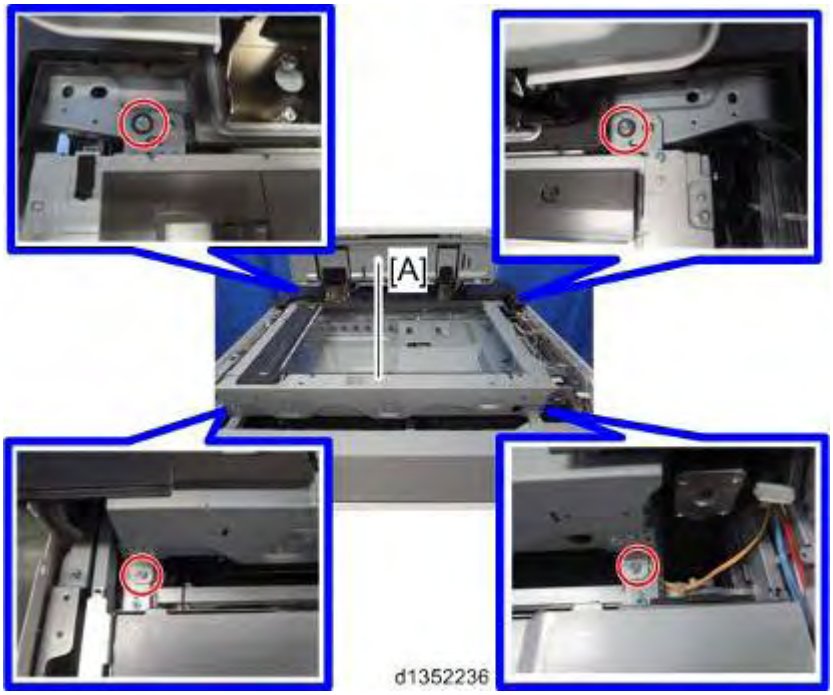
- For steps 7-8 in the procedure described above, in the case of D135/D136, remove the operation panel bracket [A] (x 7).



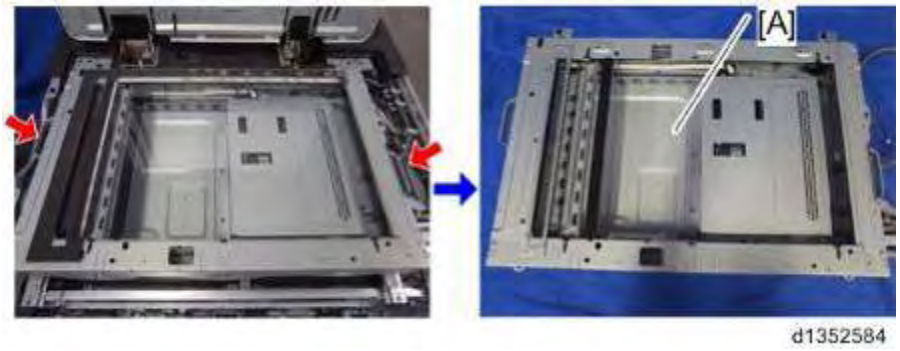
9. D137/D138: Scanner unit [A] (x 4)



D135/D136: Scanner unit [A] (x 4)



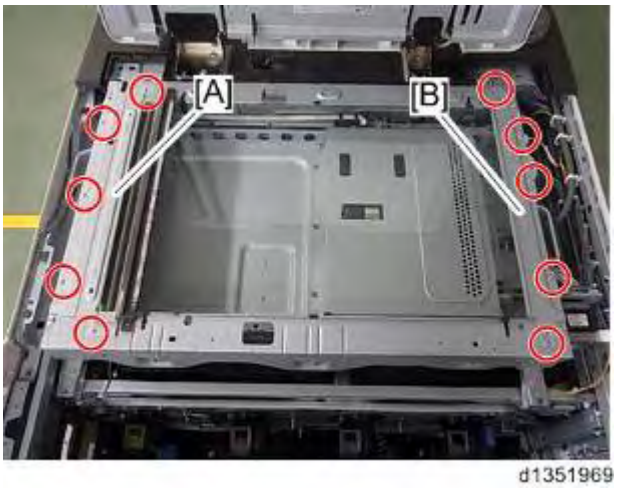
10. Hold the handles at the left and right, and remove the scanner unit [A] from the machine.



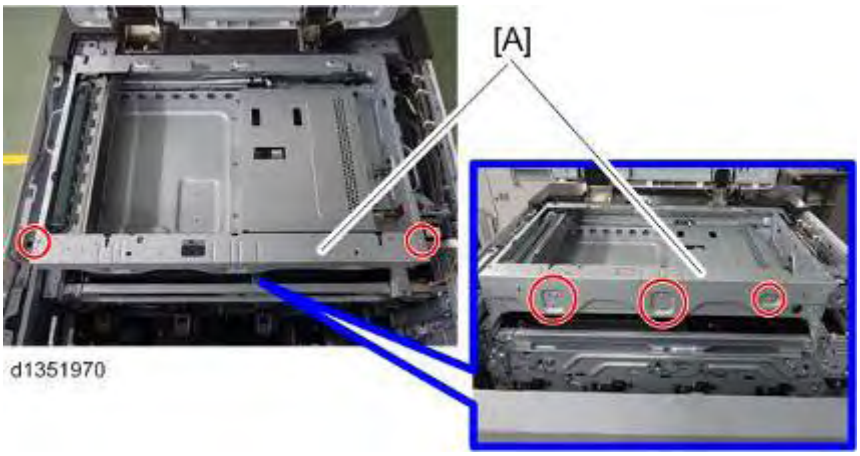
4.9.11 SCANNER WIRE

Preparation for Replacing a Scanner Wire

1. Exposure glass (☛ page 4-108)
2. Left stay [A] and right stay [B] (🔩 x 5 each)

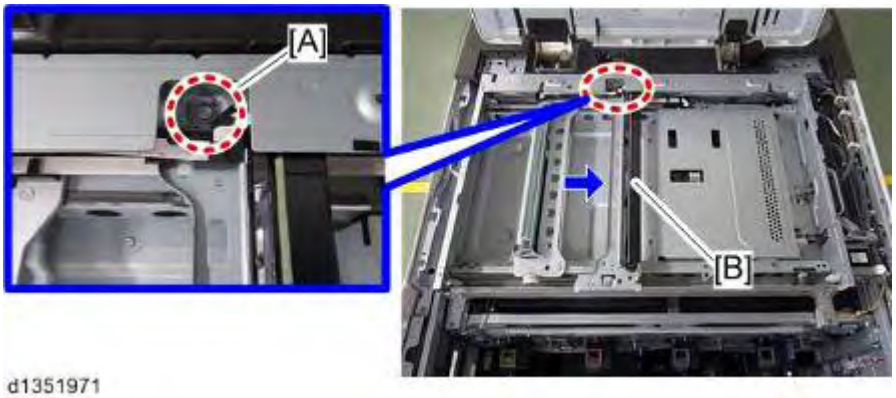


3. Front frame [A] (🔩 x 7)



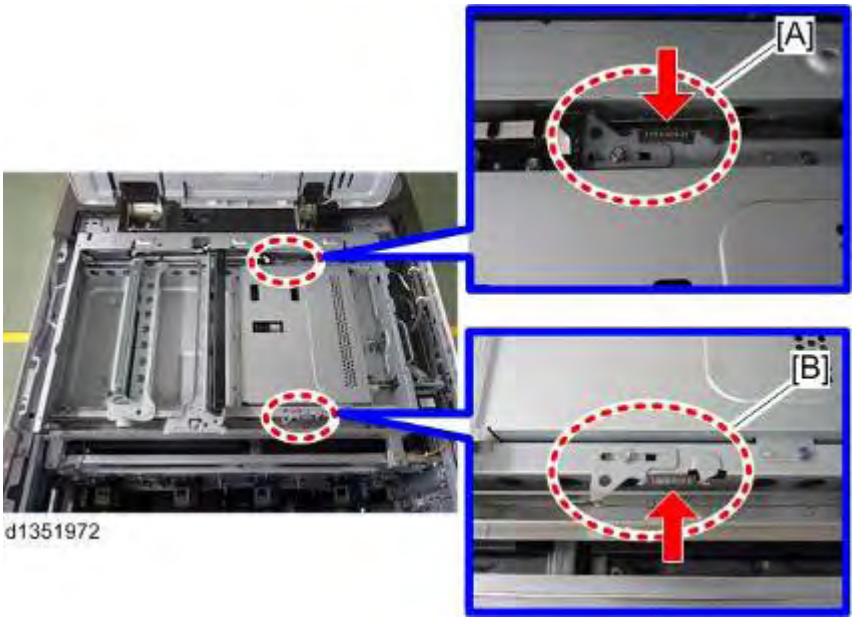
Replacing the Scanner Wire

1. Move the 1st sacanner carriage [B] to a position where the screw [A] of the bracket can be seen.



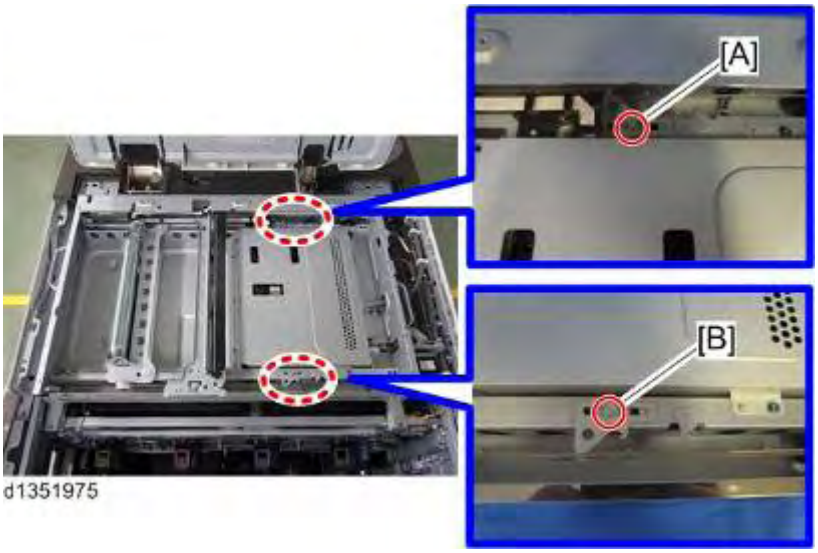
d1351971

2. Remove the springs of the tension brackets (rear: [A] / front: [B]).



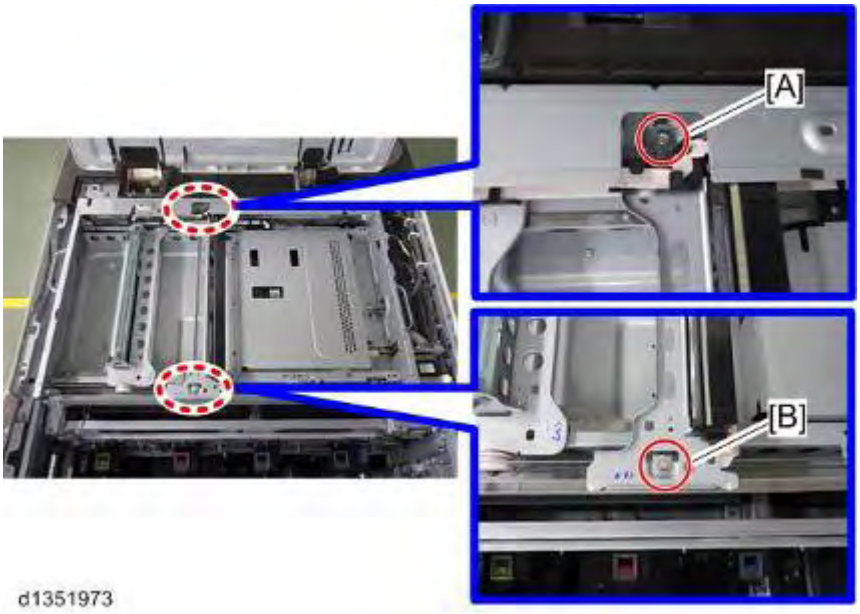
d1351972

3. Loosen the fixing screws of the tension brackets (rear: [A] / front: [B]).

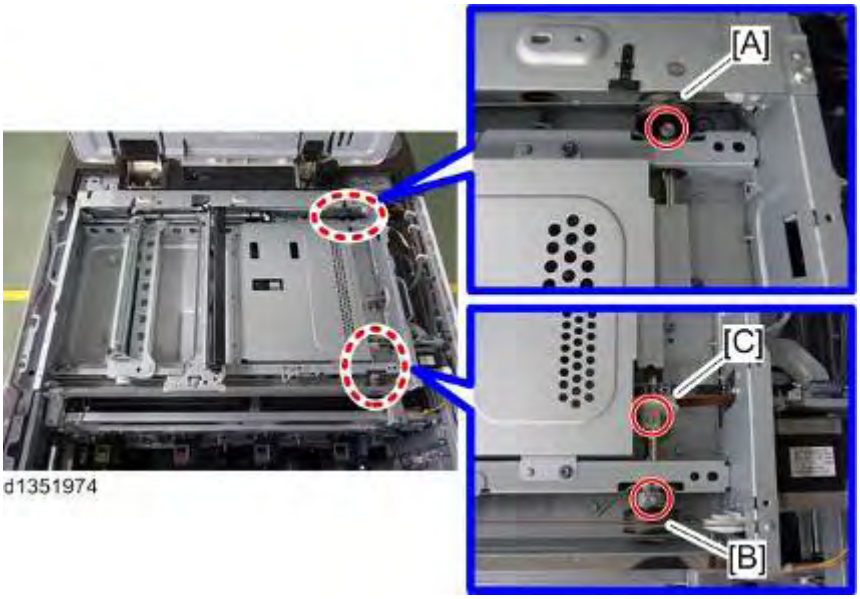


d1351975

4. Remove the retaining brackets (rear: [A] / front [B]) from the wire (x 1 each).



5. Remove the tip and the rear end of the wire (rear / front).
6. Unscrew the wire pulleys (rear: [A] / front [B]) and drive pulley [C]. Remove the wire pulleys from the shaft.



7. Remove the rear and front wires.

Preparation for Reassembling the Scanner Wire

1. Pass the wire from the side where there is no projection on the pulley. [A]
2. Place the beads on the middle of the wire in the groove. [B]
3. Attach tape across the pulley to temporarily hold the wires in place. [C]

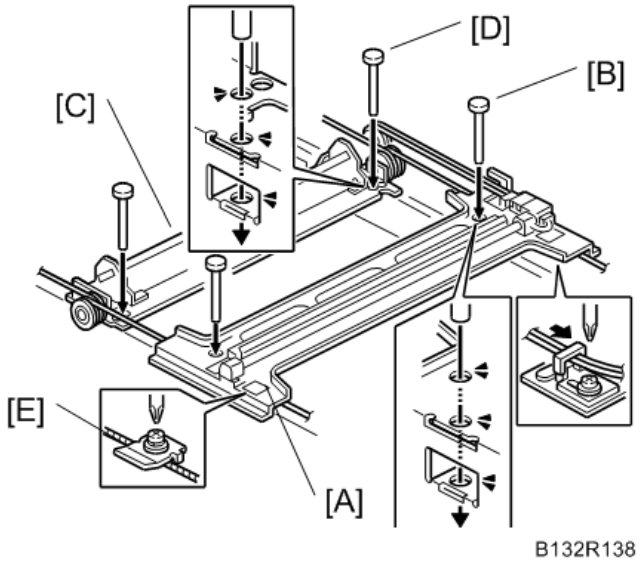
Reassembling the Scanner Wire

1. Remove the 1st scanner carriage from the scanner unit.
2. Position the 2nd scanner carriage with the positioning pins (part number: A1849501)
3. Set the wire pulley through the shaft. (Do not tighten the screw of the front side pulley yet.)
4. Turn the wire and remove the tape.
5. Set the spring. (Do not tighten the screw yet.)
6. Tighten the screw of the drive pulley.
7. Remove the positioning pins temporarily. Then move the 2nd carriage to fit in the wire.
8. Set the positioning pins again and tighten screws of the front pulley and tension bracket.

   Note

   - If the scanner does not move smoothly, and it is possible to set positioning pins, re-adjust using the above procedure.
9. Set the 1st scanner carriage with the positioning pins. Attach the retaining bracket. Then fix the wire and the carriage.

10.



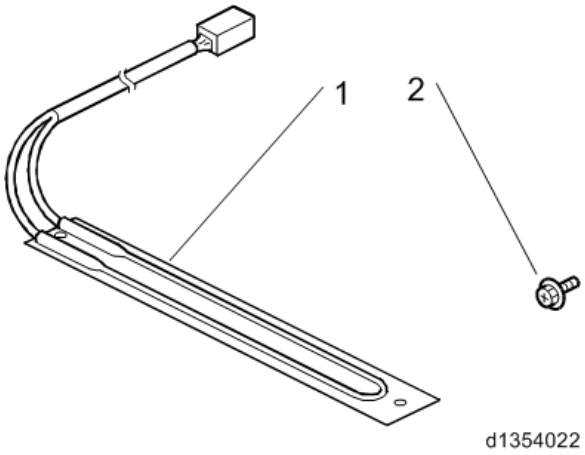
Note

- If replacing anything other than the wire, adjust SP4-010-001 (Sub Scan Registration Adj).

4.9.12 INSTALLING THE SCANNER HEATER

Accessories

Check the accessories against the list below.



No	Description	Q'ty
1	Heater	1
2	Tapping Screw - M3x6	2

Note

- The P/N for the scanner heater is the same across all models except the D135. See the table below.

Model	Area	Voltage	P/N
D135	NA	120～127V	B2291678
D136/D137/D138	NA	208～240V	D1381688

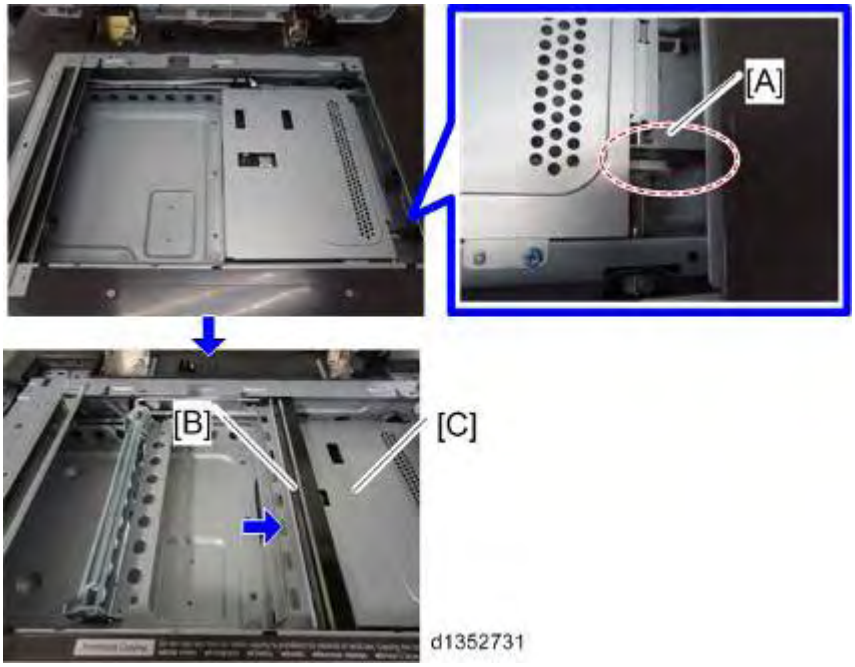
⇒

CAUTION

- **Unplug the machine power cord before starting the following procedure.**
- **Do the following procedure not to damage any harnesses.**
- **Check that all harnesses are not damaged nor pinched after installation.**

Installation

1. Exposure Glass (☛ page 4-108)
2. Left middle cover (☛ page 4-15)
3. First, turn the gear [A] and move the 1st scanner carriage [B] to the position of the lens cover [C].



4. Pass the scanner heater [A] under the 2nd carriage [B]. Then put the connector [C] from the left side of the scanner unit [D].

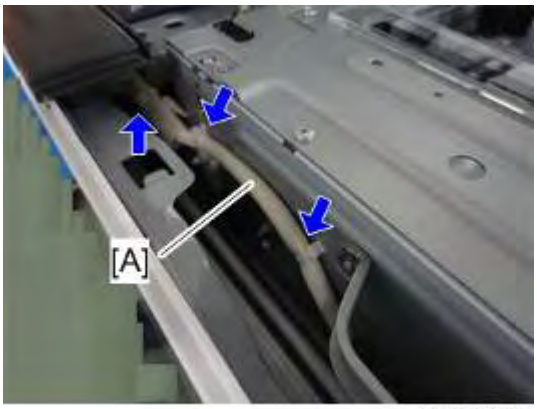
5. Attach the scanner heater [A] (x 2).

Note

- The screw on the left side of the scanner heater is accessed from the scanner frame.

d1352735

6. Connect the connector [A] of the scanner heater to the machine (x 1, x 2).



d1352734

4.9.13 MAGNIFICATION AND REGISTRATION ADJUSTMENT

Sub Scan Magnification Adjustment

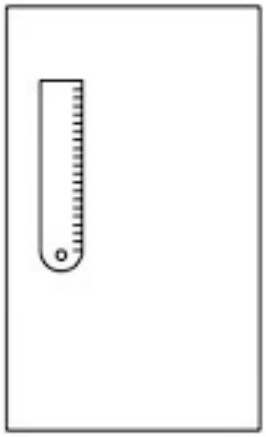
Measuring Tool

150 mm scale

Adjustment Method

Copy the scale and check that the length of the 100 mm scale on the copy is the same as the original, within the standard value (±0.8%) for a 100 mm scale.

It should be measured 10 minutes after the copy has been fed out.



Adjustment Procedure

1. Enter SP mode.
2. Select SP4-008.

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

Measuring Tool

C4 chart

Adjustment Method

Copy the C4 chart. Check whether there is an image in the center of the paper.

Adjustment Procedure

1. Enter SP mode.
2. Select SP4-010.

The image is moved downward by increasing the adjustment value.

The image is moved upward by decreasing the adjustment value.

Main Scan Registration Adjustment

Measuring Tool

C4 chart

Adjustment Method

Copy the C4 chart. Check whether there is an image in the center of the paper.

Adjustment Procedure

1. Enter SP mode.
2. Select SP4-011.

The image is moved to the right by increasing the adjustment value.

The image is moved to the left by decreasing the adjustment value.

4.10 LASER UNIT

4.10.1 BEFORE YOU BEGIN

⚠WARNING

- This laser unit employs 80 laser beams produced by a Class III LD with a wavelength of 772 to 792 nm and intensity of 1.4 mW (40 beams). Direct exposure to the eyes could cause permanent blindness.
- Before adjusting or replacing the laser unit, push the main power switch to power the machine off then unplug the machine from the power source. Allow the machine to cool for a few minutes. The polygon motor continues to rotate for approximately one to three minutes after the machine is switched off.
- Do not turn on the power when the laser unit and the polygon cover are not installed. Ensure that after assembly, the polygon cover is completely closed.
- Do not turn on the power when the synchronization detectors are disconnected. Ensure that after assembly, the synchronization detectors are set correctly.

Caution Decals

D137/D138, D135/D136

D135/D136 only

4.10.2 LASER UNIT

Note

- Each laser unit is composed of two laser diode assemblies.

Before Replacement

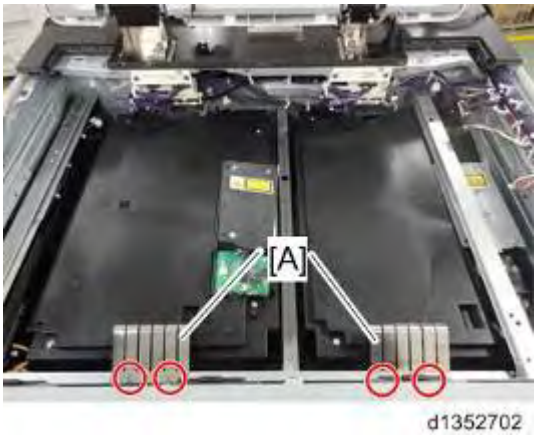
1. Plug in the power cord, and then turn ON the main power switch.
2. Reset the motors for skew adjustment to the zero point with the following SPs:.
   - SP2-104-002: set to "0"
   - SP2-104-003: set to "0"
   - SP2-104-004: set to "0"

Note

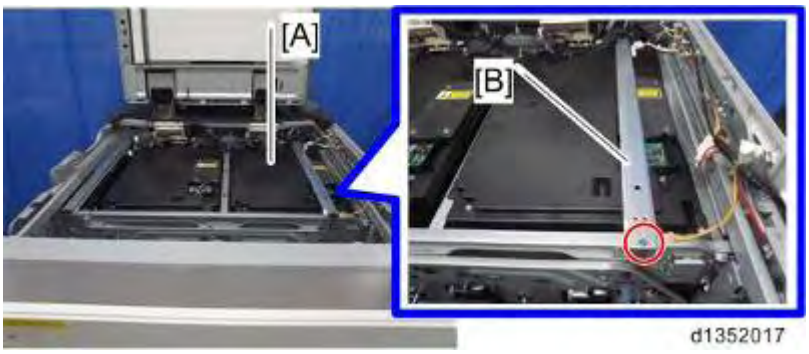
- If you do not do the above adjustment, MUSIC may not work. This is because one or more of the motors may be at or near the upper or lower limit (± 50). In such a case, if you do not zero the motor positions before MUSIC is done, the range that the motor can move will be restricted and the adjustment may not be done correctly.

Replacement

1. Scanner unit (☛ page 4-123)
2. Spring plates [A] (x 4)

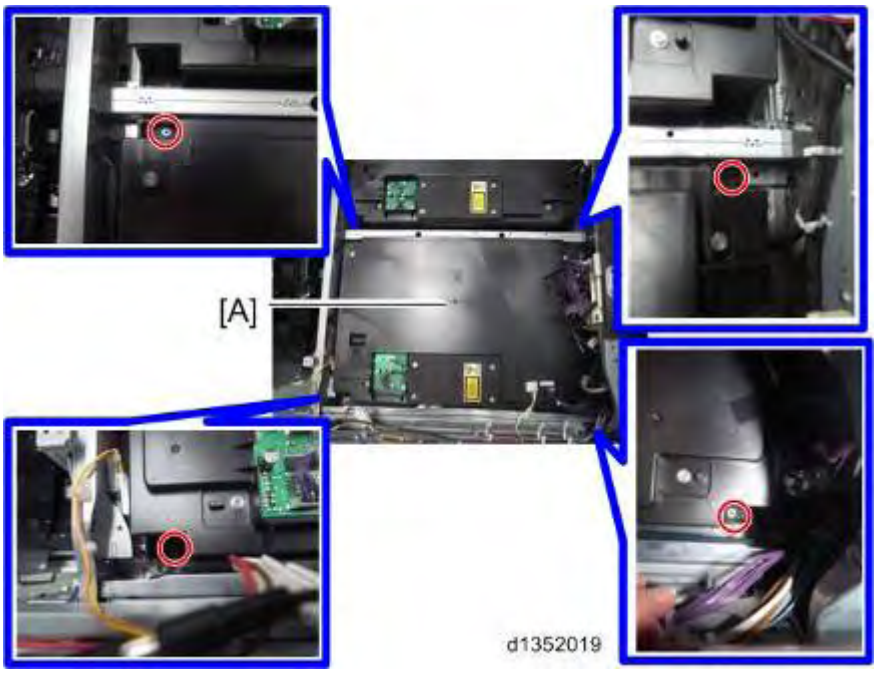


3. For the Laser unit (CK) [A], remove the stay [B] first. (x 1)



4. Remove the connectors from the laser unit [A]. (x 4; includes a USB connector)
   e.g.: CK

5. Laser unit [A] (x 4)
   e.g.: CK



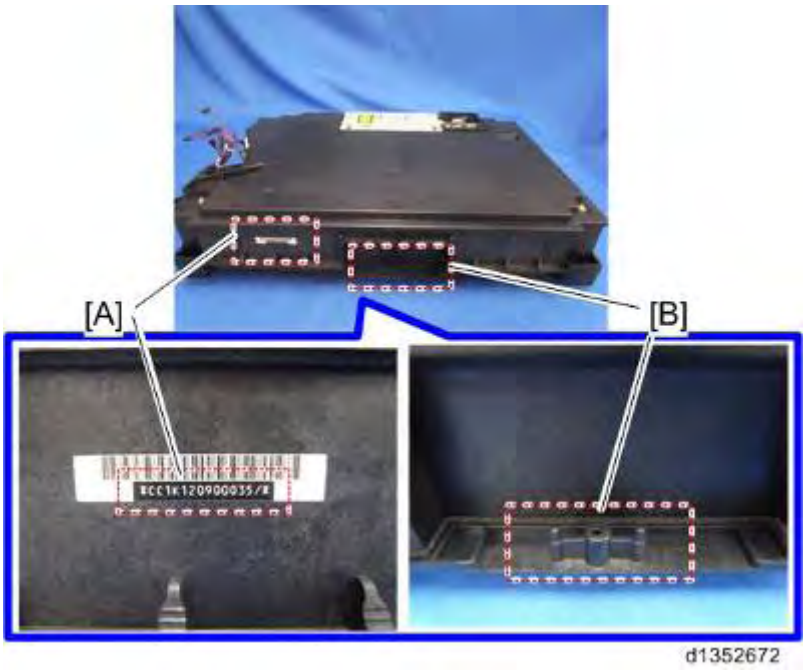
6. Grasp the handles on the left and right, and lift out the laser unit.

How to Distinguish between the CK Laser Unit and YM Laser Unit

CK Laser Unit

Bar code label [A]: White characters on black background

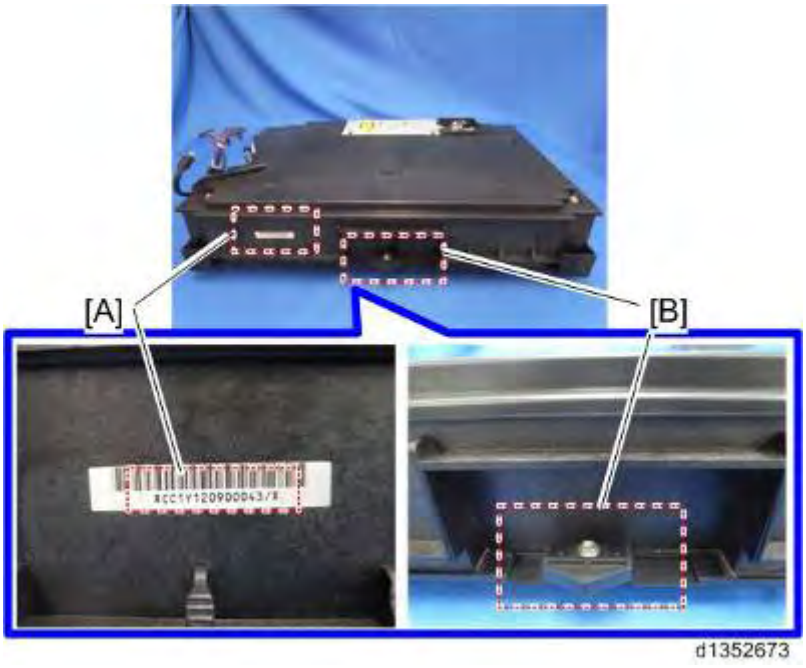
Bottom center [B]: No screws



YM Laser Unit

Bar code label [A]: Black characters on white background

Center bottom [B]: A pentagonal protrusion is screwed in

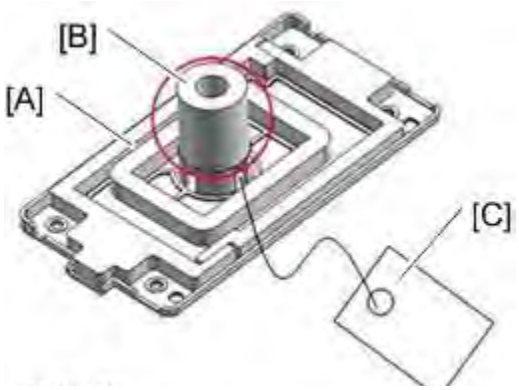


Notes on Installation of a New Laser Unit

The polygon mirror of the new laser unit is protected by fall prevention materials. Therefore, when installing the unit in the machine, it is necessary to remove the materials

1. Remove the polygon cover [A] (x 4).

2. Turn over the polygon cover [A], remove the fall prevention materials [B] and the red tag [C].



3. Attach the polygon cover to the laser unit (x 4).

Adjustment after Laser Unit Replacement

Do the following steps.

1. Plug in the power cord, and then turn ON the main power switch.
2. Execute the following SPs to download the correction values from the new laser unit.
   SP2-108-1: Image Parameter-K/C Writing Unit
   SP2-108-2: Image Parameter-Y/M Writing Unit

   Note
   - During the download of the correction values, you can turn off the power, or open the door.
   - If an SC or a display of "failure" occurs, you can run the download again after turning the power OFF and ON.
3. Correct the color registration with the User Tools.
   [User Tools/Counter/Inquiry]-[Management]-[Color Registration]-[OK]

4. If necessary, adjust the registration, skew, and magnification. For information about how to adjust, refer to Adjustment in Troubleshooting. (☛ page 5-317 "Adjustment")

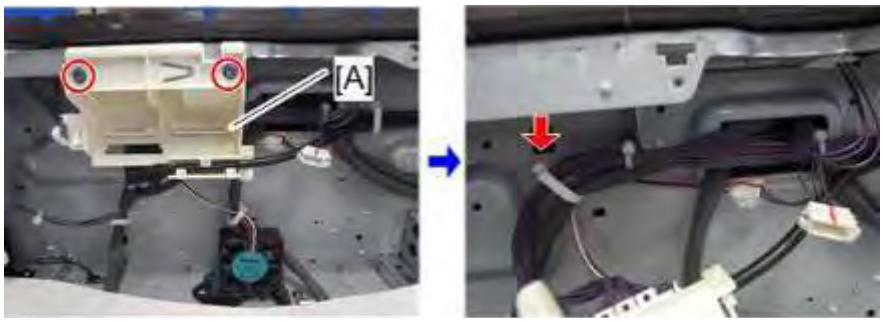
4.10.3 LASER UNIT COOLING FAN (LEFT / RIGHT)

1. Laser unit (☛ page 4-138)

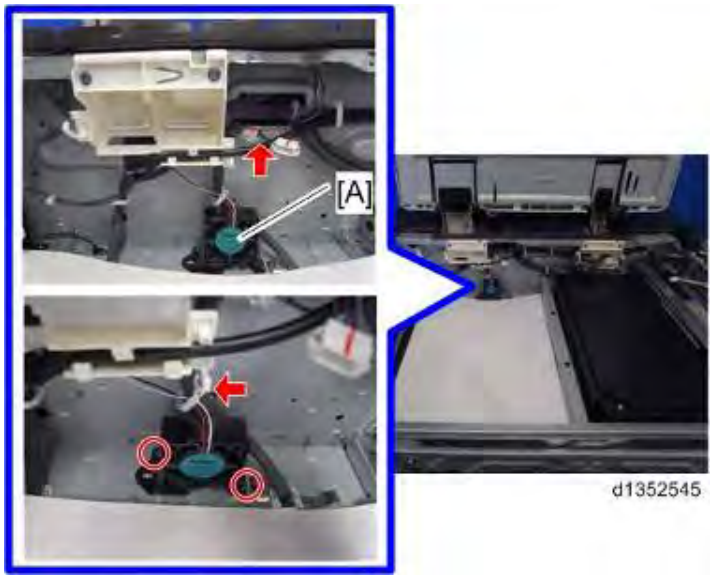
Note

- Remove the laser unit cooling fan (left) after removing the laser unit (YM).
- Remove the laser unit cooling fan (right) after removing the laser unit (CK).

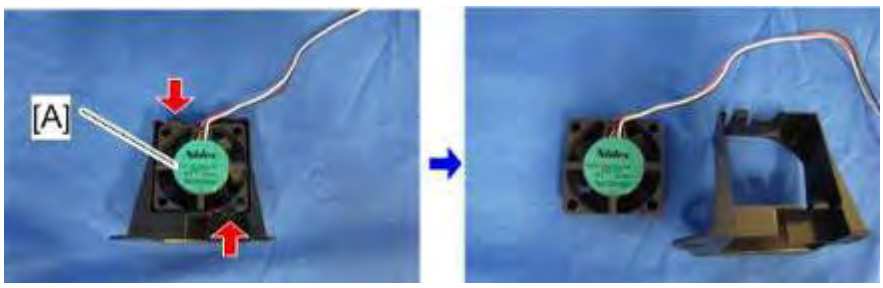
2. For the laser unit cooling fan (left), first, remove the cover [A] (x 2), and then remove the clamp of the cooling fan cord.



3. Laser unit cooling fan along with the bracket (x 2, x 1, x 1)
e.g.: Left



4. Laser unit cooling fan [A] (hook x 2)



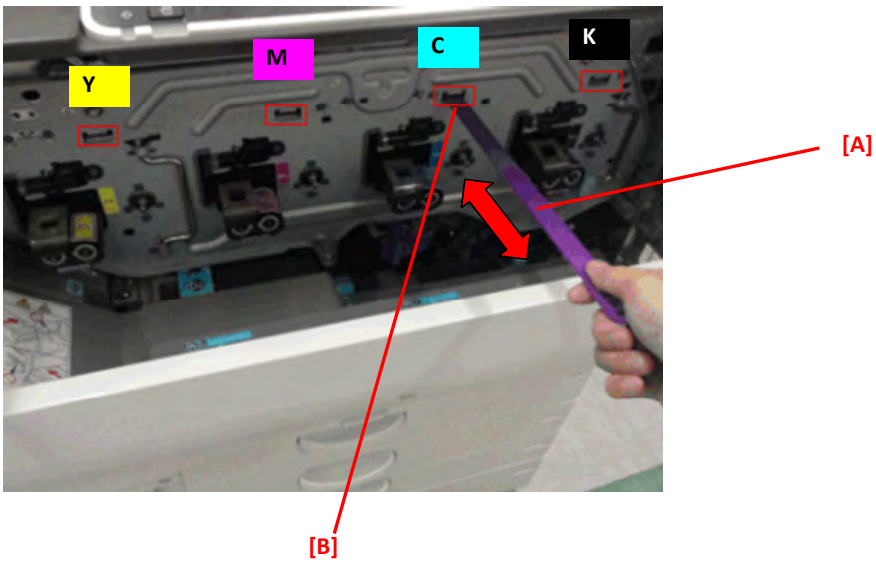
Note

- It is also possible to leave the bracket on the machine side, and remove the laser unit cooling fan [A] only.

⇒ 4.10.4 TONER SHIELD GLASS CLEANING

1. Open the drawer unit [A] and remove the Toner Shield Glass Cleaning Tool [B]

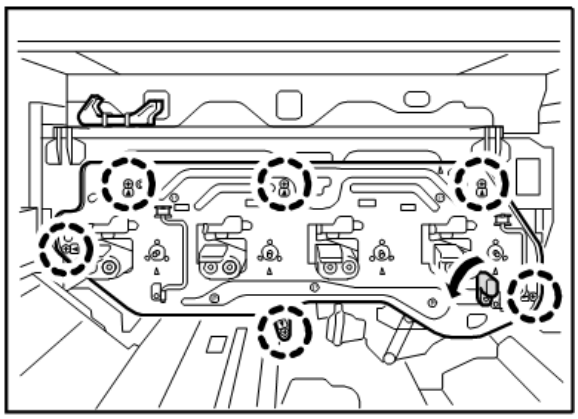
2. Remove the "Toner Supply Unit".
3. Insert the Toner Shield Glass Cleaning Tool [A] to the slot [B], and slide it back-and-forth about 5 times to clean the toner shield glass on the laser units. Do this procedure for all 4 colors.



4.11 PCDU

4.11.1 FACEPLATE

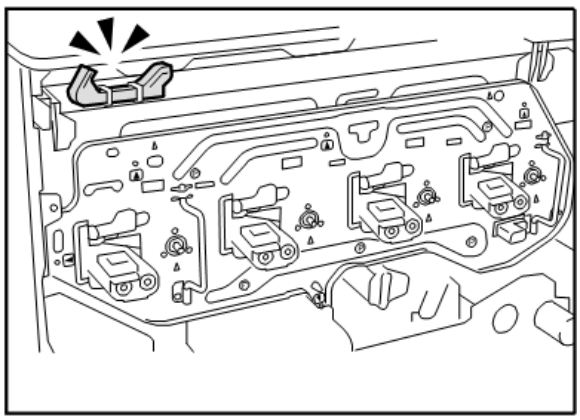
1. Toner supply unit (☛ page 4-96)
2. Turn the transfer belt release lever counterclockwise and remove the fixing screws of the faceplate (🔩 x 6*).



d1352793

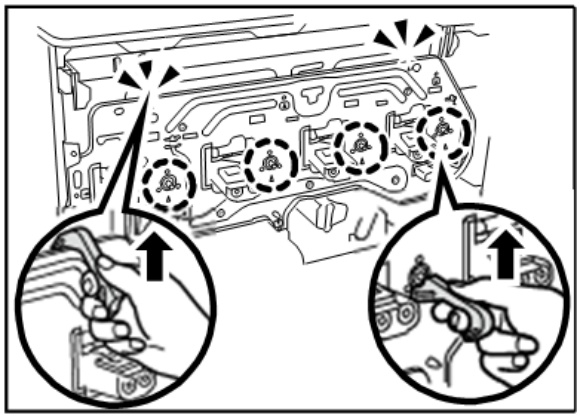
* D137/D138 use TCRU/ORU screws

3. Take off the handles.



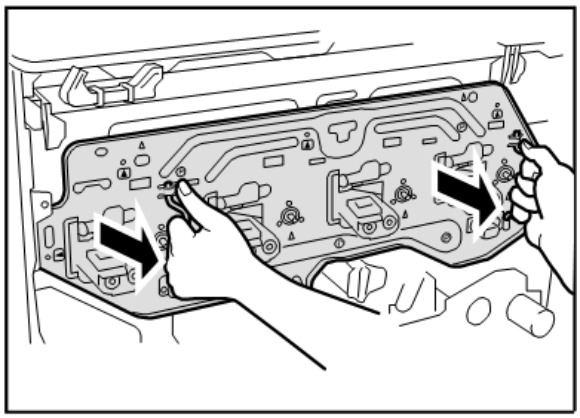
d1352794

4. Pull out the units using the handles in the circled areas as shown below. Pull out little by little over the entire surface uniformly throughout.



d1352795

5. Remove the faceplate with the grips.



d1352796

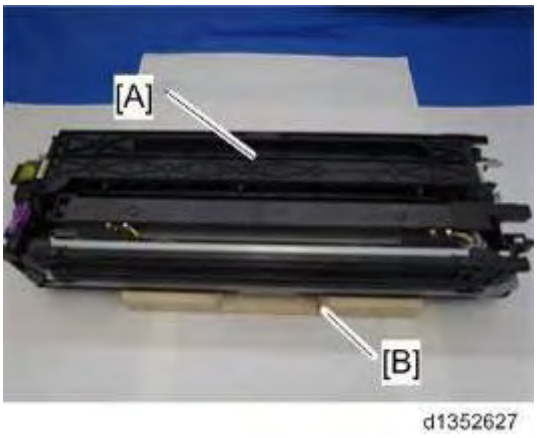
Important

- Do not close the drawer unit with the faceplate removed, because there is a risk of damage to the paper transfer roller unit.

4.11.2 PCDU

1. Faceplate (☛page 4-144)
2. Unlock the lever [A] and pull out the PCDU [B] from the machine.

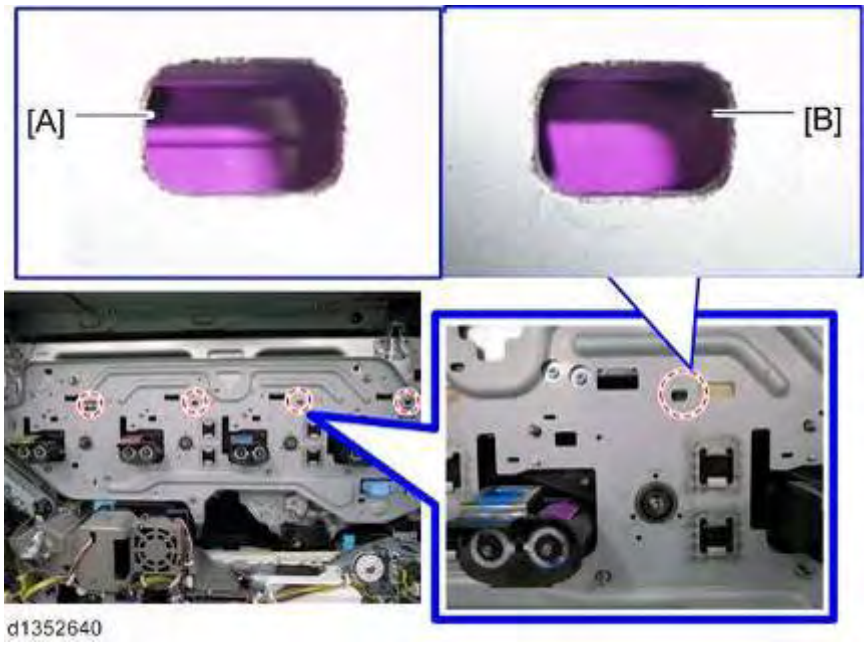
3. Place the PCDU [A] on the cradle [B] that was laid down on paper in advance.



Note

- When installing the PCDU, ensure that the locking lever is fit in the hole of the machine frame.
  [A]: The locking lever is properly fit in the hole in the machine frame.
  [B]: The locking lever is not properly fit in the hole in the machine frame.

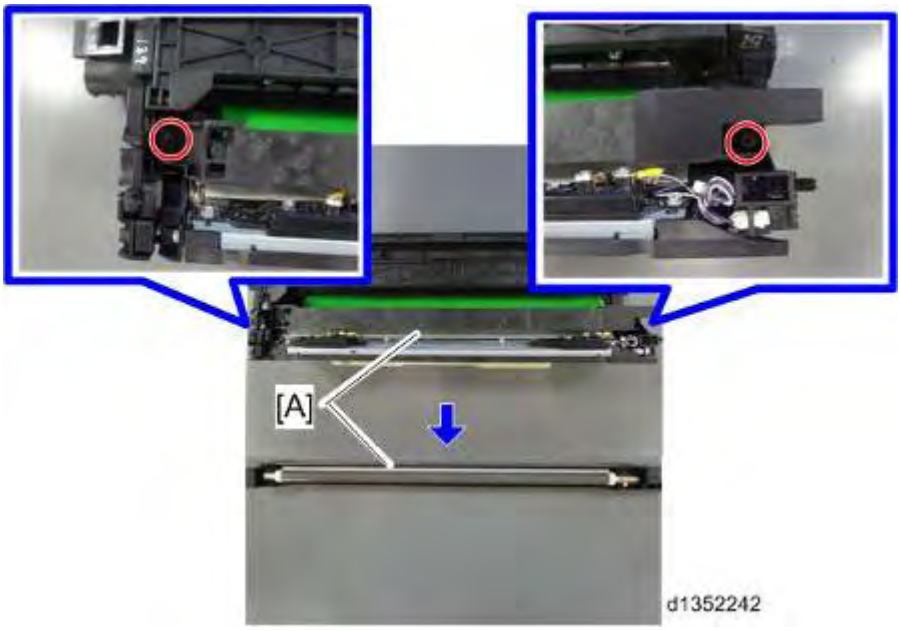
- After installing the faceplate, check the status of the locking levers again by looking through the holes as shown below. The levers should be straight, as shown above [A], and not at an angle [B]. However, some force is required to attach the faceplate, and this could knock the levers out of their horizontal alignment.



- D137/D138: After you take the PCDU out of the machine and put it back, or replace it with a new one, carry out SP3-040-001 to SP3-040-005 (DEMS: Execute).

4.11.3 CHARGE ROLLER UNIT

1. PCDU (☛page 4-146)
2. Charge roller unit [A] (🔩 x 2*)



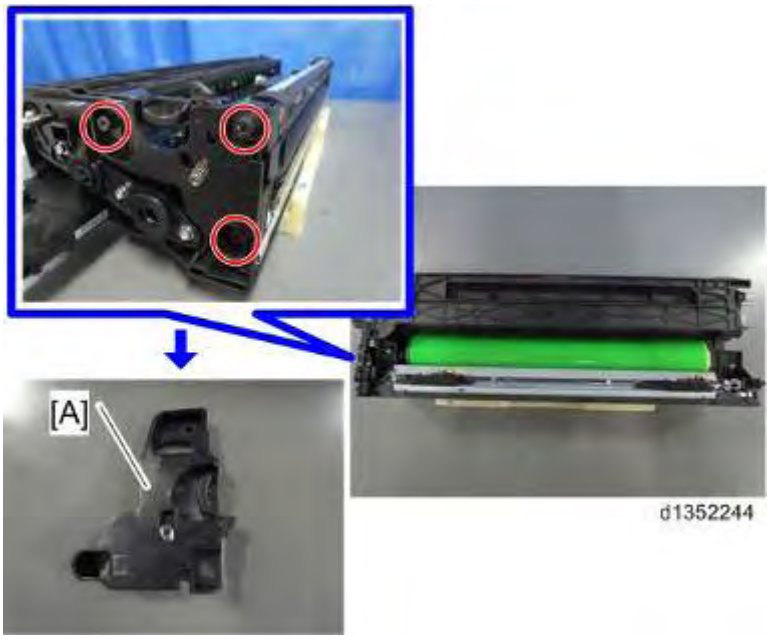
* D137/D138 use TCRU/ORU screws

Note

- After removing the charge roller unit, place it on a clean, flat surface with the roller facing up.

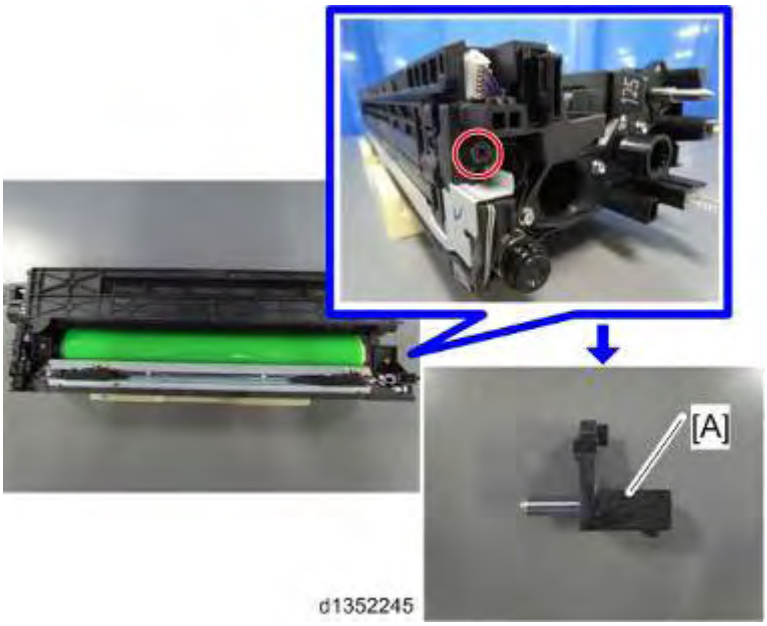
4.11.4 DRUM CLEANING UNIT REMOVAL

1. PCDU (☛page 4-146)
2. Front faceplace [A] (🔩 x 3*)



* D137/D138 use TCRU/ORU screws

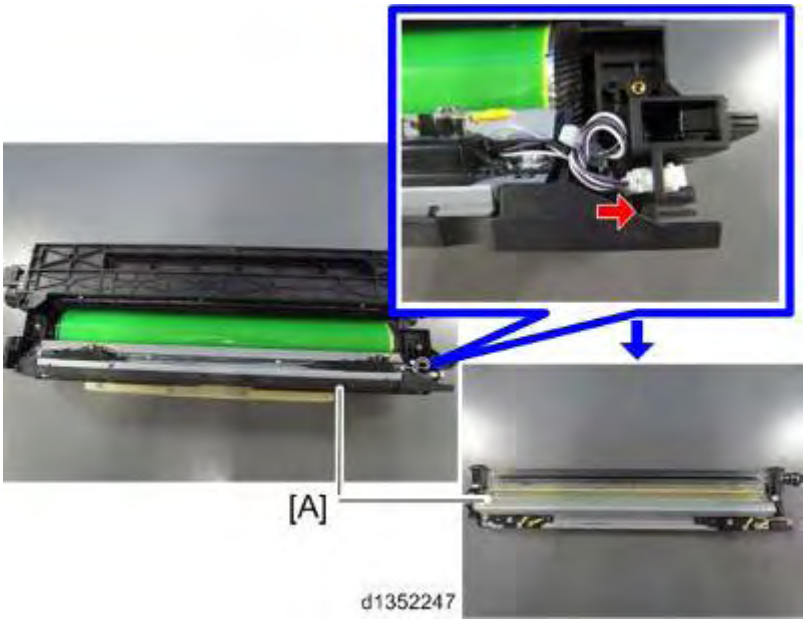
3. Spopper [A] at the rear (x 1*)



* D137/D138 use a TCRU/ORU screw

4. Slide the bracket [A] to the rear.

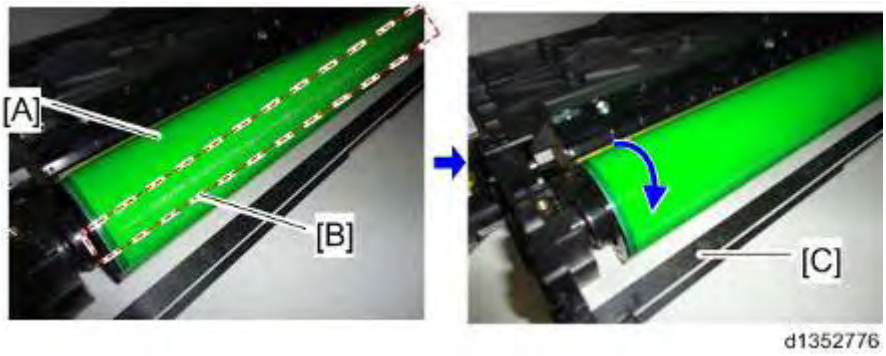
5. Drum cleaning unit [A] (x 1)



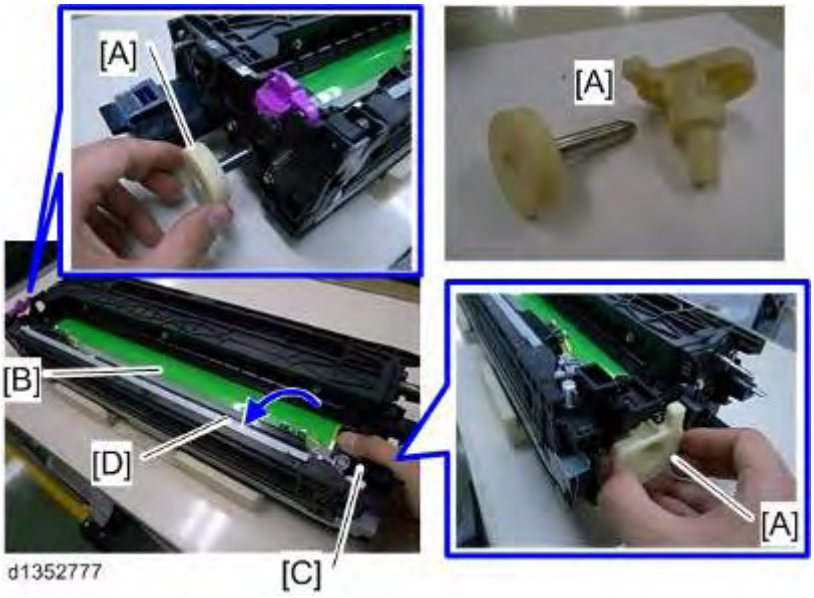
Note

- When installing the drum cleaning unit, ensure that it (the front side) is fit into the grooves of the development unit.

- After removing the cleaning unit, lubricant and toner streaks [B] remain on the surface of the OPC drum [A]. This will cause stains on the charge roller. Therefore, rotate the OPC drum in the direction of the arrow [C] before you install the new drum cleaning unit.



- After replacing the cleaning unit, attach the special tools [A] to the OPC drum (these are shipped with the cleaning unit). With the flange [C], rotate 1-2 times in the direction of the arrow [D].



Notes on Replacing the Drum Cleaning Unit and Drum Cleaning Blade

Do not replace the drum cleaning unit or the drum cleaning blade at the same time as the following parts.

- ITB
- ITB Cleaning Unit
- ITB Cleaning Blade
- ITB Lubricant Bar
- ITB Lubricant Blade

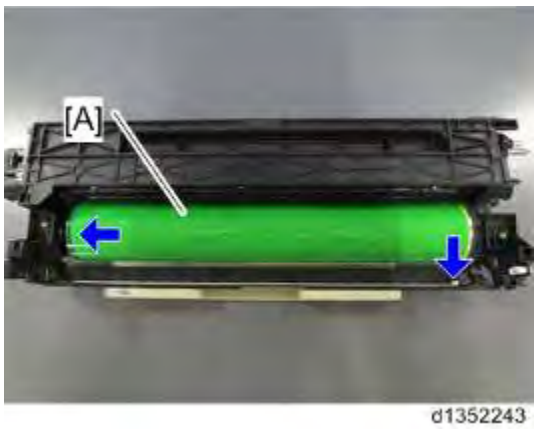
After replacing the drum cleaning unit or the drum cleaning blade, cleaning initial setting is performed automatically. On the other hand, after replacing the above five parts, you need to run SP2-696-001 (Force Apply Lubricant Execute) manually before cleaning initial setting runs. (☛page 4-178 "Lubrication after replacement"). This is because, if cleaning initial setting runs automatically before running SP2-696-001 (Force Apply Lubricant Execute) manually, the ITB cleaning blade will be turned up

If you need to replace the above five parts at the same time as replacing the drum cleaning unit or the drum cleaning blade, use the following procedure.

1. Clear the counter of the drum cleaning unit or the drum cleaning blade.
2. Replace the drum cleaning unit or the drum cleaning blade. (The cleaning initial setting automatically runs)
3. Clear the counters of the above five parts
4. Replace the above five parts
5. Run SP2-696-001 (Force Apply Lubricant Execute) manually

4.11.5 OPC DRUM

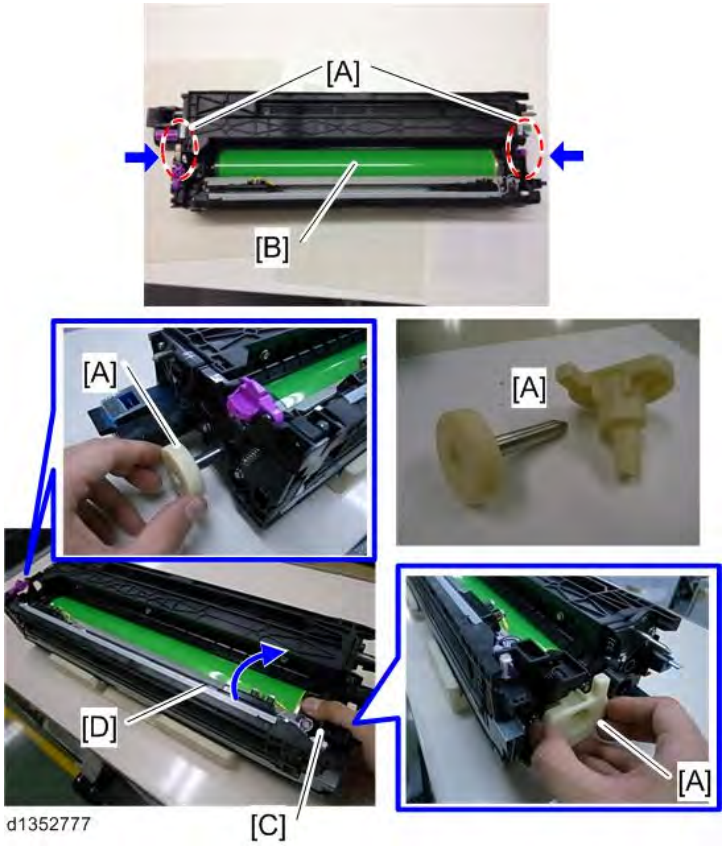
1. Charge roller unit (☛page 4-148)
2. Drum cleaning unit (☛page 4-148)
3. To remove the drum [A], move it to the front side (to the left as shown above), then pull it out from the rear side (the right side as shown above).



Note

- After removing the OPC drum, place it on a clean, flat surface.

⇒ **Important:**
The surface of a newly replaced drum needs to be lubricated.
In the lubrication process where the drum is manually rotated, the two tools [A] function to fix the shaft so that the drum rotates precisely on its axis.
Attach the tools [A] to the front and rear sides of the drum [B].
Make sure the tools are inserted all the way in.
Hold the flange [C] and rotate the drum in the direction toward the development unit [D].
Note: The two tools [A] are accessory parts of the machine.



Attaching the New OPC Drum

⇒ 1. When replacing, apply the lubricant powder (D0159501) (zinc stearate) evenly with a brush: blower (P/N: D0747690) to the OPC drum.

d1352264

Brush: Blower (P/N: D0747690)

2. Lay the protective sheet (black) [B] that had been wrapped around the new OPC drum on the development unit [A].

d1352753

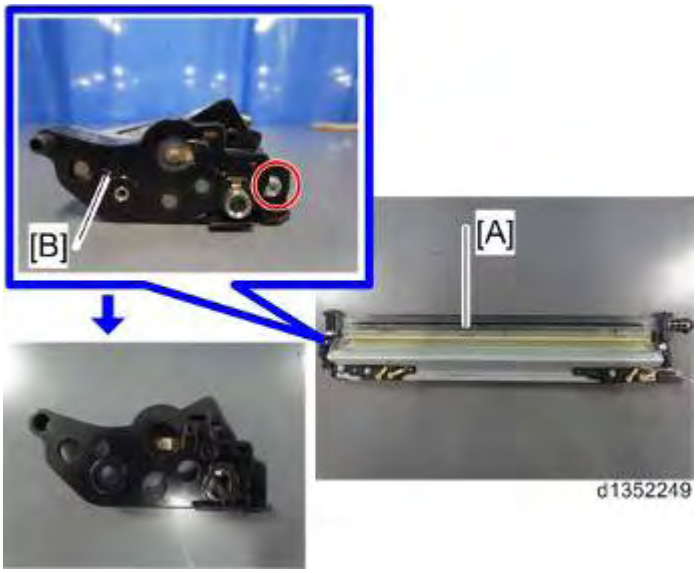
3. Attach the new OPC drum [A] and remove the protective sheet (black) [B] from the bottom.

d1352754

4.11.6 DRUM CLEANING UNIT INTERNAL COMPONENTS

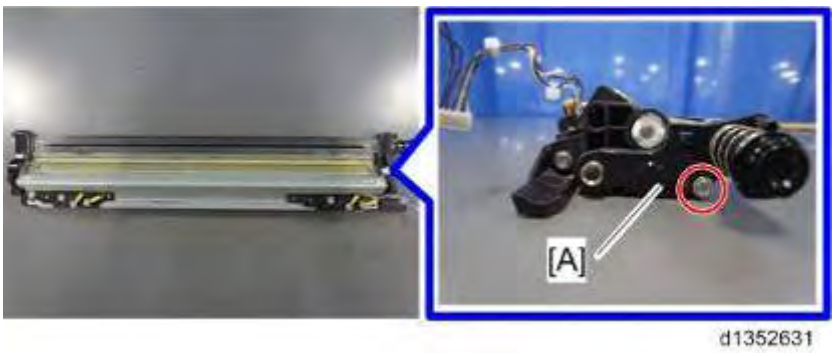
Separation of the Lubrication Unit and Cleaning Unit

1. Drum cleaning unit (☛page 4-148)
2. Front cover [B] of the cleaning unit [A] (x 1)

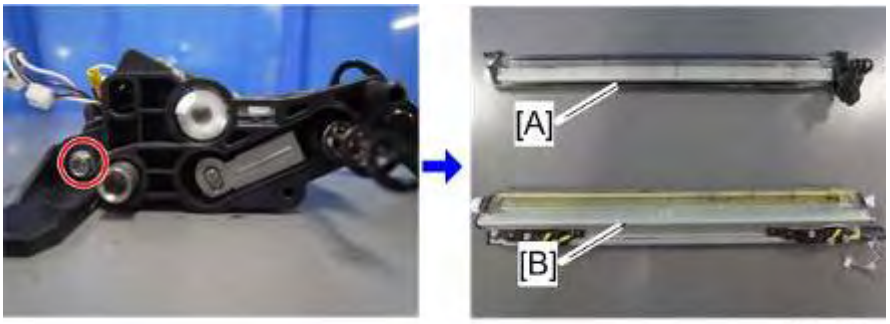


3. Remove the following five gears (gear [A]: x 1).

4. Rear cover [A] (x 1)

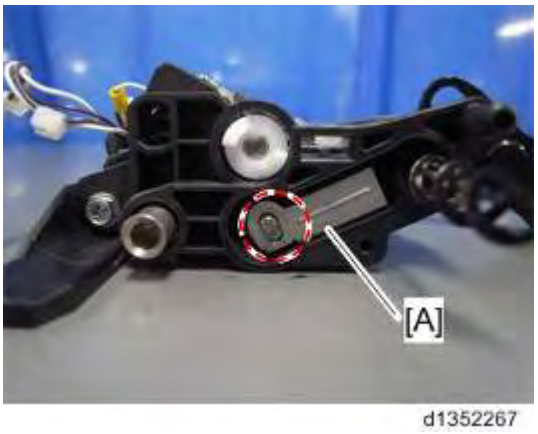


5. Remove the fixing screw on the rear side and separate into cleaning unit [A] and lubrication unit [B].



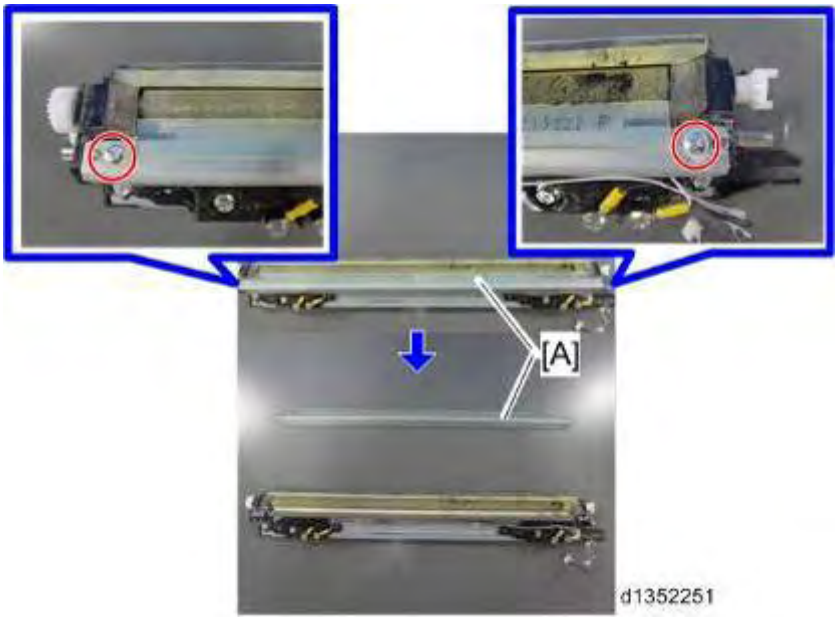
Note

- When installing the cleaning unit and the lubrication unit, ensure that the shaft of the cleaning unit is fit into the hole in the vibration plate [A].



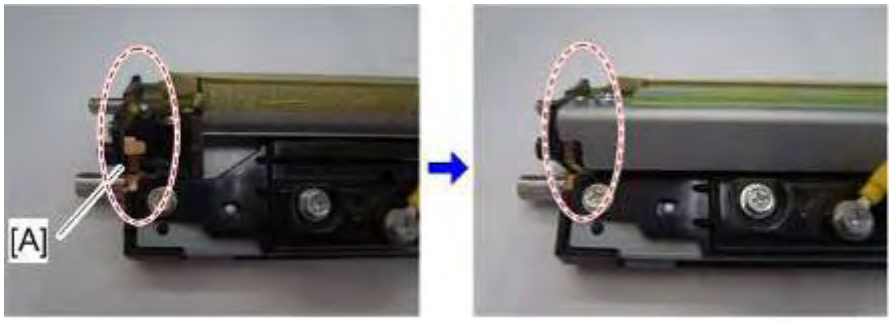
Lubrication Unit

1. Separation of the lubrication unit and cleaning Unit (☛page 4-154 "Drum Cleaning Unit Internal Components")
2. Lubricant blade [A] (x 2)

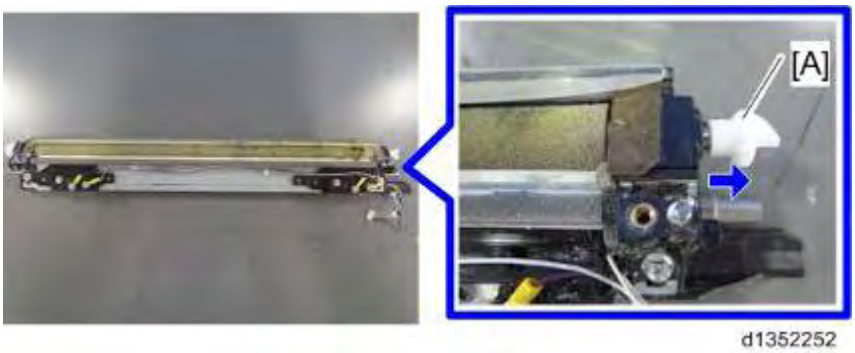


Note

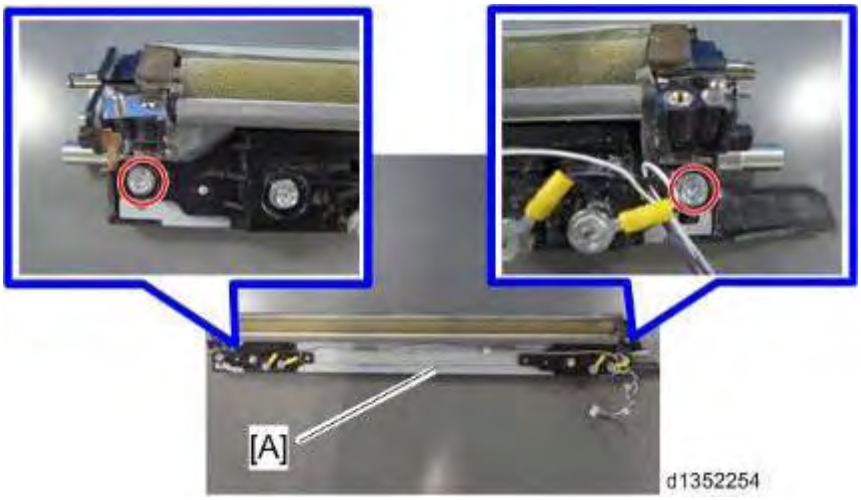
- When assembling, position the lubricant blade on the earth plate [A] of the lubrication unit.



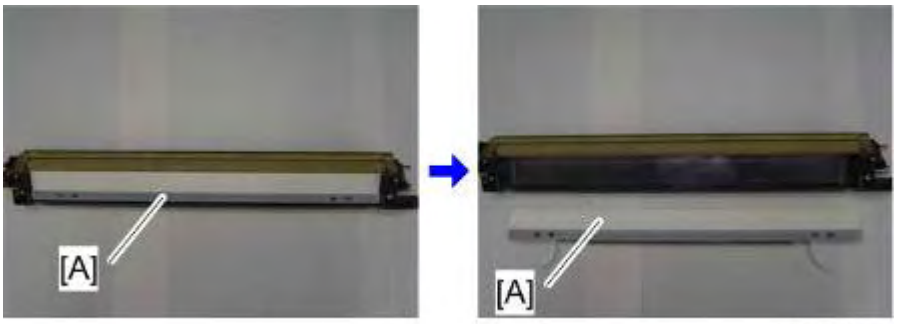
3. Joint at the rear side [A]



4. Cover [A] (x 2)



5. Lubricant bar [A]



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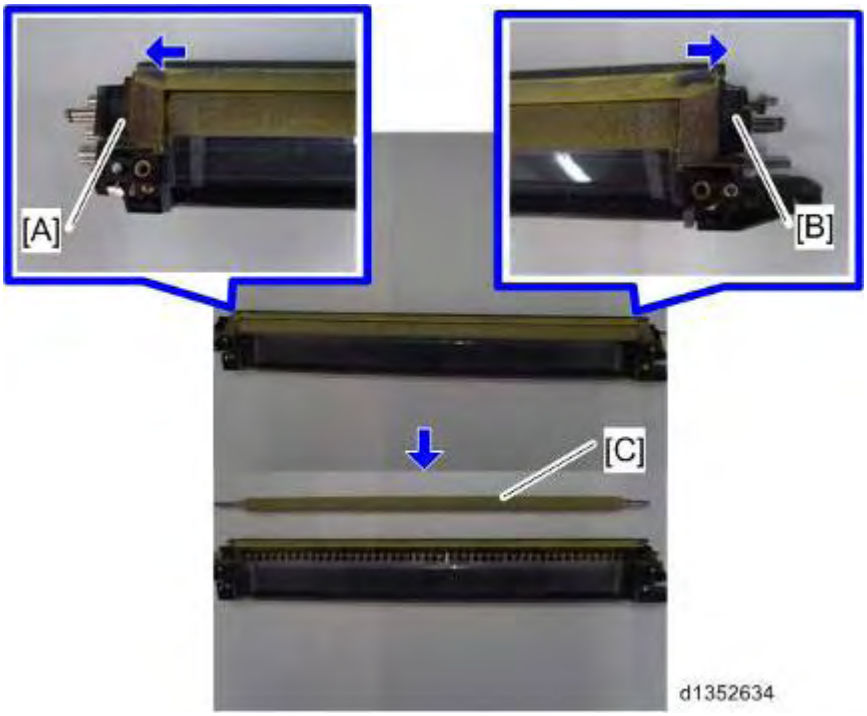
6. Bearing with the side seal (front) [A], bearing with the side seal (rear) [B] and lubrication roller [C]



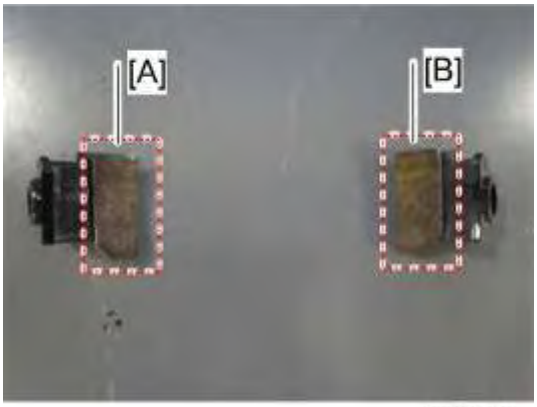
d1352634

Note

- When installing a new lubricant bar, a new lubrication roller must be installed.
- When installing the lubrication roller, ensure that the roller is fit into the groove of the lubrication unit

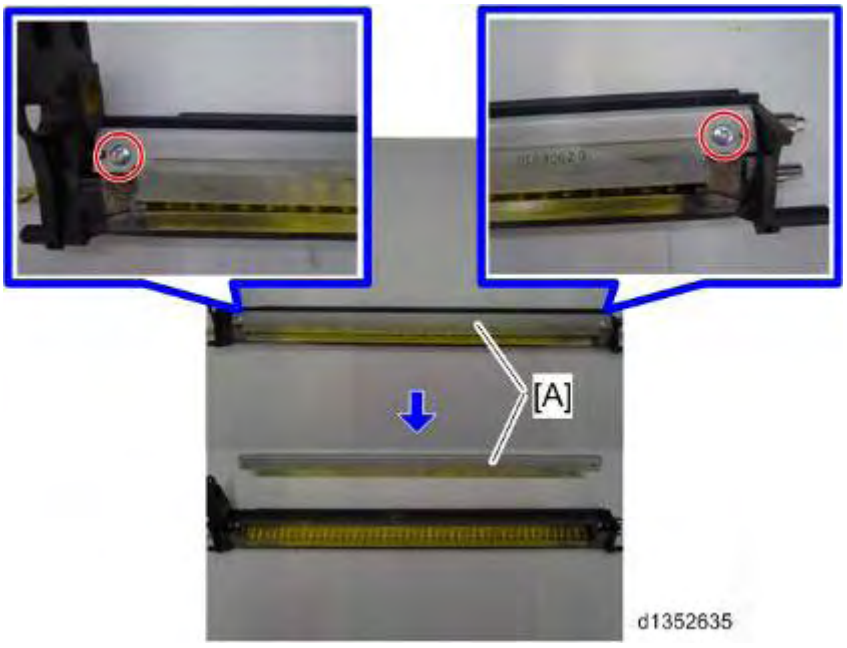
d1352257

7. Remove the side seal (front) [A] and the side seal (rear) [B] from the bearings.

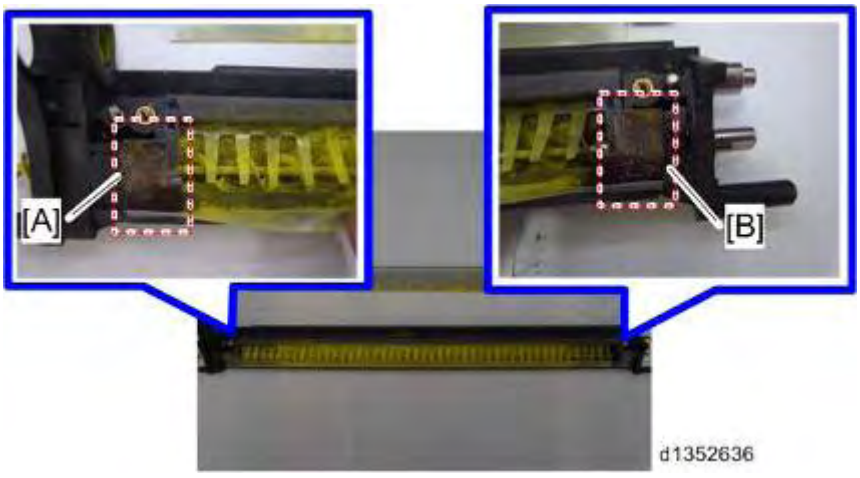


Cleaning Unit

1. Separate the lubrication unit and cleaning unit (☛page 4-154 "Drum Cleaning Unit Internal Components")
2. Drum cleaning blade [A] (x 2)



3. Remove the side seal (rear) [A] and the side seal (front) [B] from the cleaning unit.

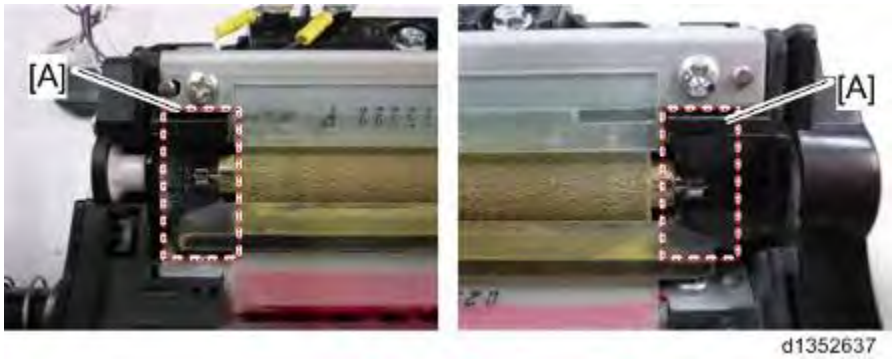


Assembling the Cleaning Unit and Lubrication Unit with New Seals

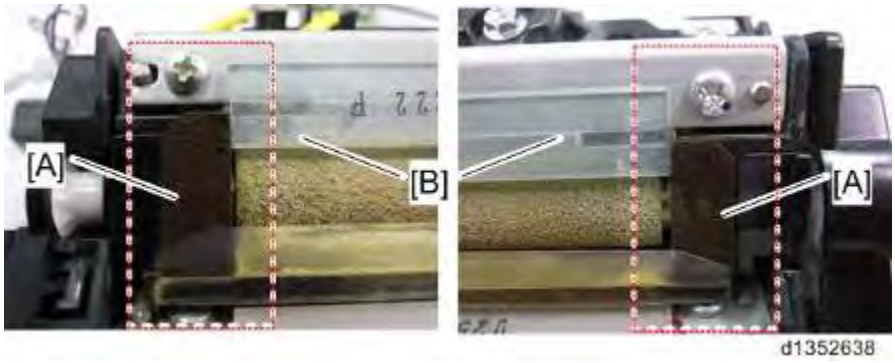
Note

- Replace the cleaning blade, lubrication blade and side seals as a set.

1. Assemble the cleaning unit and the lubrication unit. (☛page 4-154 "Drum Cleaning Unit Internal Components")
2. Clean the area [A] of the cleaning unit and the lubrication unit where the side seals were attached with alcohol and a cloth.
   e.g.: cleaning unit



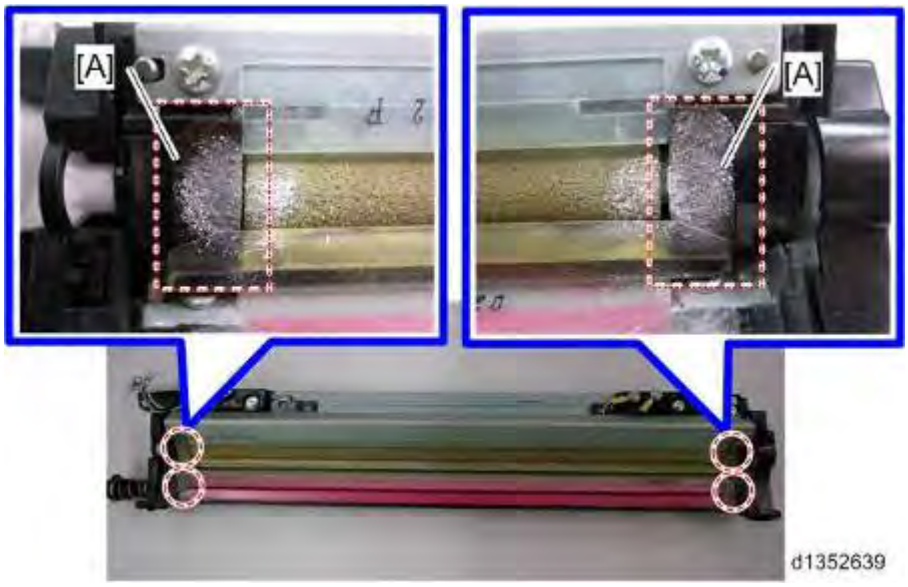
3. Attach new side seals [A] to both sides of the cleaning unit and the lubrication unit.
   Align the edges of the side seal with the edges of the unit and attach them.
   Ensure there is no gap between the side seals and the blade [B].
   e.g.: cleaning unit



⇒ 4. After attaching the side seals (x 2 each) on the cleaning unit and the lubrication unit, apply the lubricant powder (D0159501) (zinc stearate) with a brush: blower (P/N: D0747690) on the side seals [A].
   e.g. (enlarged): cleaning unit

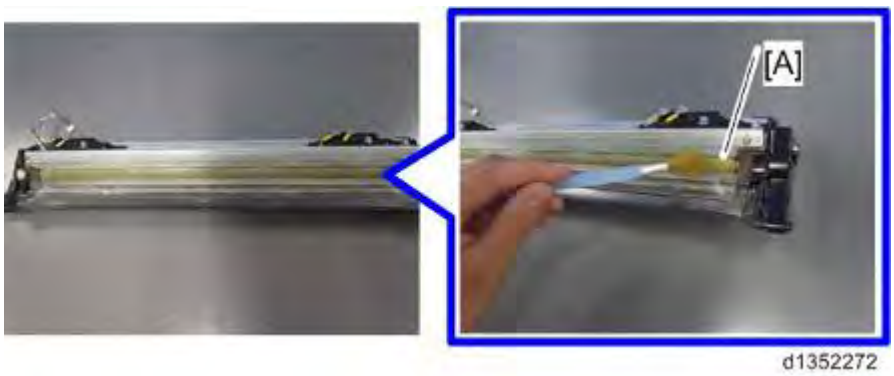
Brush: Blower (P/N: D0747690)

⇒ 4. After attaching the side seals (x 2 each) on the cleaning unit and the lubrication unit, apply the lubricant powder (D0159501) (zinc stearate) with a brush: blower (P/N: D0747690) on the side seals [A].
e.g. (enlarged): cleaning unit



Brush: Blower (P/N: D0747690)

⇒ 5. Apply the lubricant powder (D0159501) (zinc stearate) and yellow toner (D0159500) with a brush: blower (P/N: D0747690) at the lubrication roller [A].



4.12 DEVELOPMENT UNIT

4.12.1 DEVELOPMENT UNIT

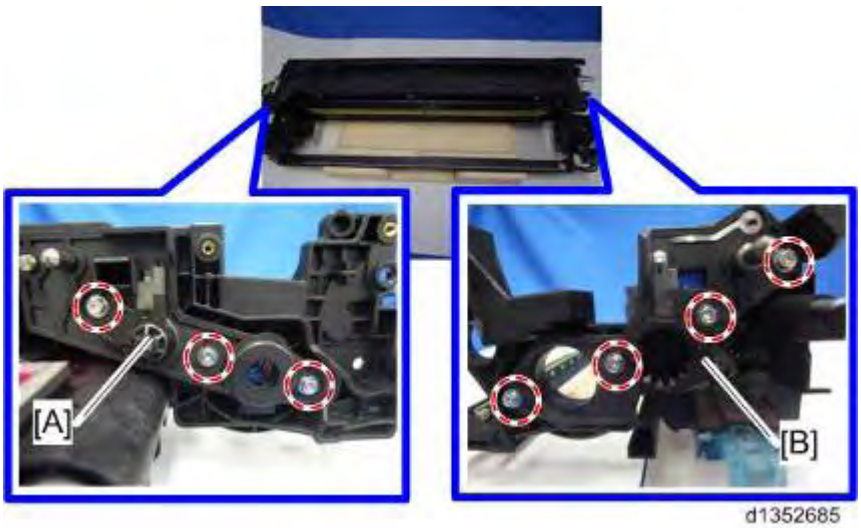
1. PCDU (☛ page 4-146)
2. Charge roller unit (☛ page 4-148)
3. Drum cleaning unit (☛ page 4-148)
4. OPC drum (☛ page 4-152)
5. Development unit [A]

Note

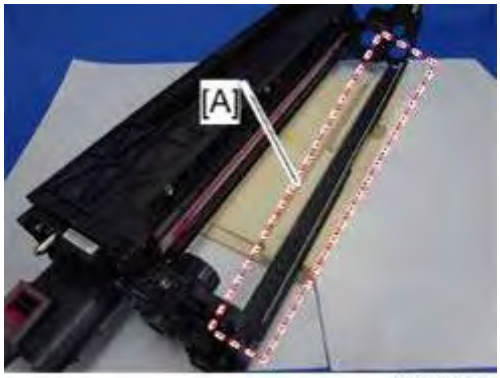
- D137/D138: After you take this part out of the machine and put it back, or replace it with a new one, carry out SP3-040-001 to SP3-040-005 (DEMS: Execute).

Important

- **Since the development unit and face plates (front [A], rear [B]) are integrated, do not remove the following screws.**



- **When carrying the developing unit, do not hold the frame [A]. The frame may become bent or broken if load is applied to it.**



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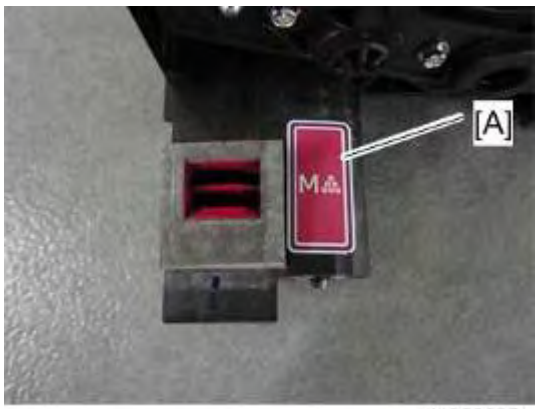
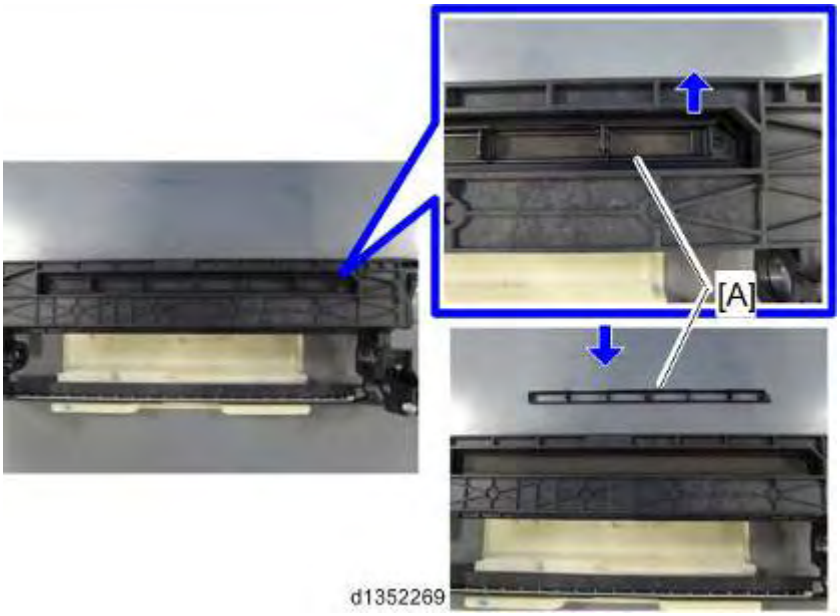
- **When installing the new development unit, attach the color identification seals [A] that come with the unit to the supply port.**



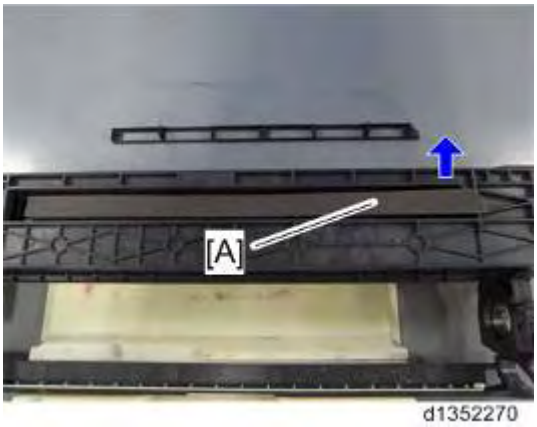
d1352695

4.12.2 DEVELOPMENT FILTER

1. Filter cover [A] from the right side.



2. Filter cover [A]



⇒ 4.12.3 REMOVING OLD DEVELOPER

Replacing the developer without completely removing old developer causes the machine to operate in a condition in which the applied toner density value is lower than the actual value. This occurs because the toner density sensor (TD sensor) initialization process (SP3-030-001~006), which is performed when replacing the developer, always sets back the toner density readings to the prescribed standard value 7.0%. This happens regardless of the actual toner density, e.g. actual toner density could be 8% after replacing with fresh developer but the TD sensor is calibrated to read this as 7%.

Continuous machine operation in this condition and incomplete developer replacement will eventually cause the actual toner density to become too high and result in toner scattering.

Following are the expected effects:

- Easier developer removal as a result of improved developer fluidity.
- Toner density will come close to the standard 7% after developer replacement even if the dev unit is not completely cleared and contains a slight amount of old developer.

PART 1: Preparations for Developer Removal

1. Before removing the developer, enter the SP mode and check the current toner density.

Table1 Toner density check SP

SP No.	Color
SP 3-200-001	K
SP 3-200-002	C
SP 3-200-003	M
SP 3-200-004	Y

If the toner density is 7%±0.5, skip the following procedures and go to PART 2.
If the toner density is not 7%±0.5 (7.5% or higher), continue this procedure.

2. Refer to the table below and determine the print volume according to the toner density confirmed in the previous step. The actual printing will be done in step 5.

Table2 Print volume based toner density and paper size

Toner Density	A4/LT	A3/DLT
12%	110	55
11%	90	45
10%	70	35
9%	45	23
8%	20	10
7.5%	10	5
7%	0	0

3. Refer to the tables below and change the SP values for toner supply mode and supply rate to "0" for the dev unit(s) requiring the developer replacement.

Table 3-1 Toner Supply Mode

SP No.	Color	Default	Change to
SP 3-400-001	K	4	**0**
SP 3-400-002	C	4	**0**
SP 3-400-003	M	4	**0**
SP 3-400-004	Y	4	**0**

Note

The default value "4" supplies toner in DANC (Divided Image Active Noise Control) mode.

Changed value "0" supplies toner in constant supply mode.

Table 3-2 Toner Supply Rate

SP No.	Color	Default	Change to
SP 3-440-001	K	5	**0**
SP 3-440-002	C	5	**0**
SP 3-440-003	M	5	**0**
SP 3-440-004	Y	5	**0**

4. Select test pattern "26" from SP2-109-003 and specify the color in SP2-109-005.

Table 4 Test Pattern Settings

SP No.	Settings
SP 2-109-003	**26** Solid
SP 2-109-005	Specify color

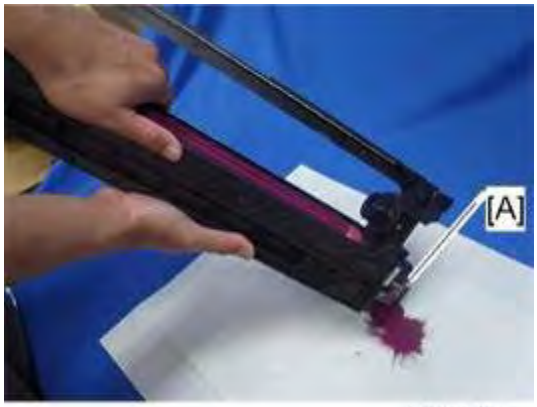
5. Print the test pattern on A4/LT or A3/DLT for the volume determined in step 2.
6. Check the latest toner density in SP3-200-001~004. (Table 1)
7. Repeat steps 1~5 until you achieve the standard toner density 7%±0.5.
8. Set the SP settings for toner supply mode and supply rate (changed in step 3) back to the default values; "4" for toner supply mode and "5%" for supply rate.

   Important

   Make sure to set the toner supply mode and supply rate carry back to default. Otherwise the image density will appear light.
9. Continue with the procedures described in "Part 2".

PART 2: Developer Removal Procedure

1. Development unit (☛ page 4-161)
2. Take out the old developer from the supply port [A] into the plastic bag that came with the new developer.



d1353051

Important

- **When carrying the developing unit, do not hold the frame. It may become bent or broken if load is applied to the frame.**

3. Remove the old developer while turning the screw [A] clockwise, using the special tool.

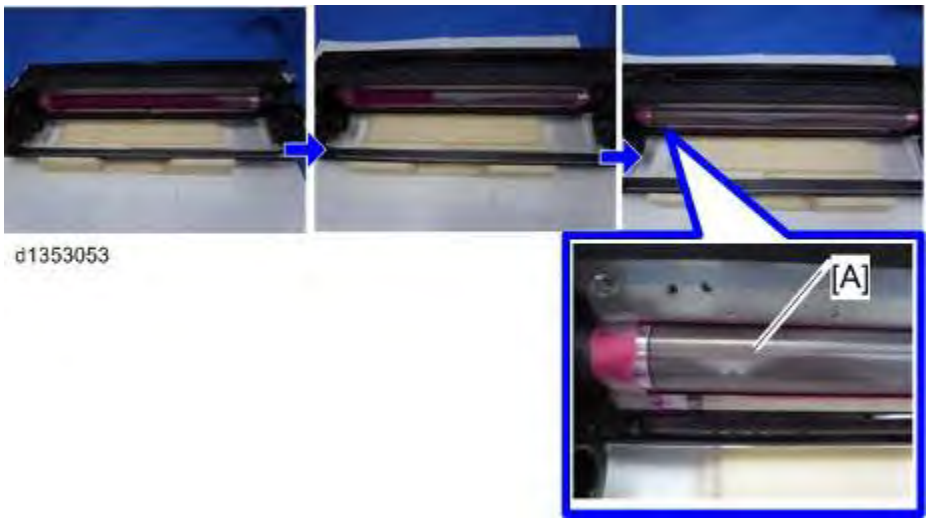
d1352770

4. When the developer is no longer ejected from the supply port, rotate the development roller [A] counterclockwise

d1352771

5. Repeat until the developer does not come out of the supply port
6. Tilt the development unit towards the development roller. The developer in the unit is gathered at the development roller side.

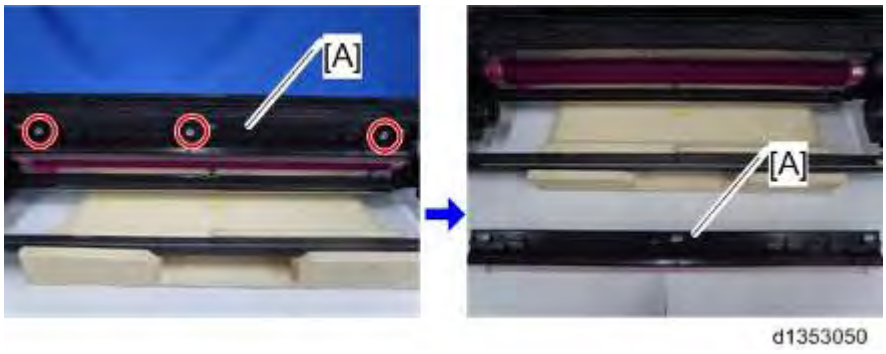
7. Once again, dump the developer until there is no adhesion around the development roller [A].



8. Turn the development roller clockwise, and make sure that there is no adhesion of the roller around the roller.

Note

- If you are in an environment that can use a vacuum cleaner, remove the development guide plate [A] (x 2) and remove the developer attached to the roller with the vacuum cleaner.

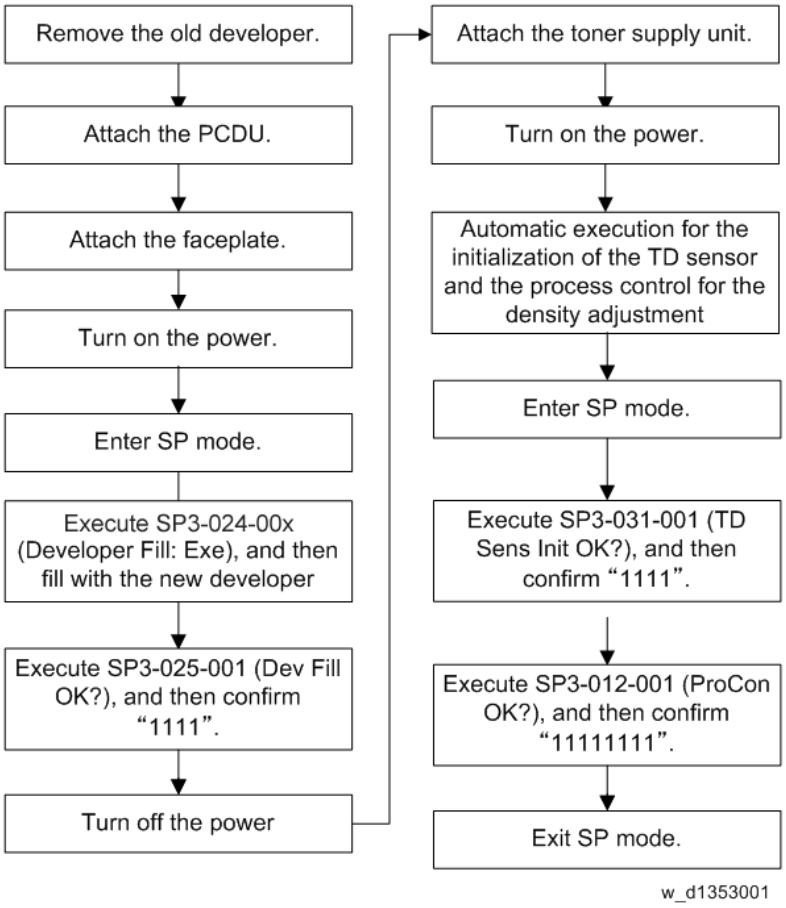


- If you are in an environment where use of a vacuum cleaner is not possible, make sure that all old developer is removed from the center of the development roller until about 1cm from the edge [A]. After filling with new developer and there is more old developer than this remaining, a development motor lock may occur.

4.12.4 ADDING NEW DEVELOPER

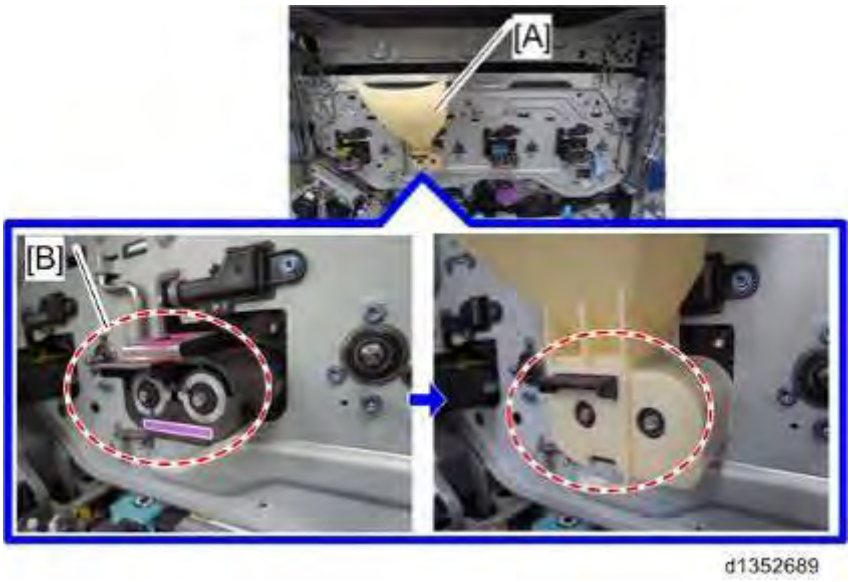
Before you refill a development unit, remove all the old developer in accordance with the 'Removing Old Developer' procedure described above.

⇒ *Adding New Developer (Summary)*



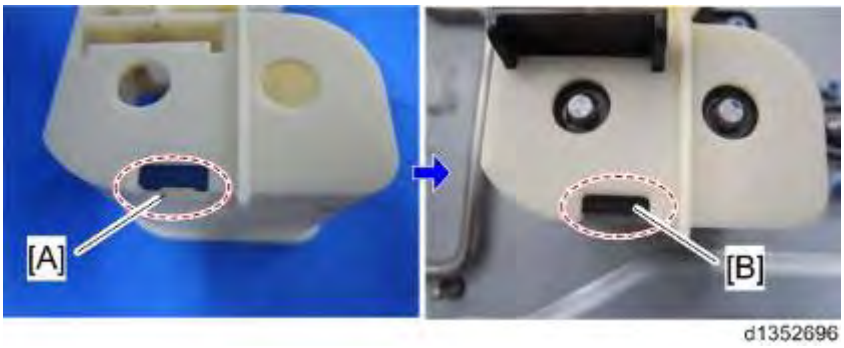
Adding New Developer and Adjustment

1. Turn off the power.
2. Toner supply unit (☛ page 4-96)
3. Turn on the machine.
4. Attach the funnel [A] to the supply port [B] of the development unit.

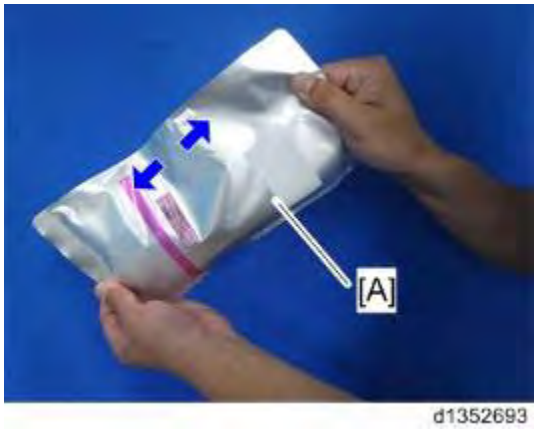


Note

- Protrusion [A] at the bottom of the funnel is the stopper. Make sure that the protrusion is inserted securely into the slot at the back side of the supply port [B] of the development unit.



5. Shake the developer pack [A] 5 or 6 times.



6. Enter SP mode and execute SP3-024-00x (Developer Fill). See the table below.

Filling Developer SP

SP	Description
3-024-001	Developer Fill :Exe Execute: ALL
3-024-002	Developer Fill :Exe Execute: COL
3-024-003	Developer Fill :Exe Execute: K
3-024-004	Developer Fill :Exe Execute: C
3-024-005	Developer Fill :Exe Execute: M
3-024-006	Developer Fill :Exe Execute: Y
3-024-007	Developer Fill :Exe Choose: From Left: YMCK
3-024-008	Developer Fill :Exe Execute: Chosen Color

7. Fill the developer [A] while tapping the funnel. It should finish within 60 seconds. Make sure that the error message "Failed" does not appear.

Important

- Execution time for filling developer is 60 seconds as the default. The time interval for execution can be adjusted. If more time is needed to empty the developer pack, increase the time interval with SP3-024-11 (Developer Fill: Exe Drive Time Upper Limit).
- If the filling is not completed in time, see the result code table below.

8. After the filling completion message is displayed on the touch panel display, enter SP3-025-001 (Dev Fill OK? From Left:YMCK) to confirm that developer installation succeeded.
   You will see a 4-digit number: 1111. Reading from left-to-right each number is a result code for the Y, M, C, K developer execution with SP3-024-00. Refer to the result code table below.

Result code table for filling developer

Code	Meaning	Comment	Conditions	Recovery Procedure
0	No execution	-	-	-
1	Succeeded	-	-	Even the results display of SP3025 shows success, developer may remain in the funnel. In this case, implement the following output checks in order to fill the remaining developer. ▪ Set to ON “1” at SP5-805-068 (Output Check Used Toner Bottle Motor). ▪ Set to ON “1” at SP5-805-069 (Output Check Toner Discharge Motor). ▪ Set to ON “1” at SP5-805-112, -113, -114 or 115 (Output Check Dev Motor). ▪ After the completion of filling, set the output checks to OFF.
2	No developer exited	Before execution, TD sensor output was above 1.0V (developer present).	When the time expires at the developer is filled with about 150 to 200g	Deal with this in the following order. ▪ Turn off the main power. ▪ Carefully remove the funnel for which the developer is remaining. ▪ Remove the PCDU and attach the cap to the supply port. ▪ Tilt the PCDU about 45 degrees to the side of the toner supply unit, closer to the developer supply port side in the vicinity of the TD sensor. ▪ Attach the PCDU. ▪ Attach the funnel that has the developer remaining. ▪ Turn on the main power and run the developer filling with SP3-024. ▪ Make sure that the "1" is the result with SP3-025.
2	No developer exited	Before execution, TD sensor output was above 1.0V (developer present).	Removing the developer in EM, if the developer remains in the developing unit	Deal with this in the following order. ▪ Turn off the main power. ▪ Remove the PCDU and remove the developer in the PCDU. ▪ Attach the PCDU and the funnel ▪ Enter SP mode and execute SP3-024-00x (Developer Fill). ▪ Fill the developer
3	No developer entered	After execution, TD sensor output was below 1.0V (no developer present).	When the time expires the rest of the developer is less than 150g	▪ Enter SP mode and execute SP3-024-00x (Developer Fill).
4	Used toner bottle full	The used toner bottle was detected full.	If the waste toner bottle is full when filling the developer	▪ Replace the waste toner bottle. ▪ Enter SP mode and execute SP3-024-00x (Developer Fill).
5	Development motor lock	The development motor was not	If the development motor is locked	▪ Clear the SC325 to SC328. ▪ Enter SP mode and execute SP3-024-00x (Developer Fill).

Code	Meaning	Comment	Conditions	Recovery Procedure
		operating.	(SC325 to SC328) when filling the developer	
6	Used toner transport lock	One or both motors locked: Used Toner Transport Motor, Used Toner Bottle Motor.	One or both motors locked: Used Toner Transport Motor, Used Toner Bottle Motor. (SC 486/SC488)	▪ Clear the SC 486/SC488. ▪ Enter SP mode and execute SP3-024-00x (Developer Fill).
9	Forced abort	By-pass tray cover opened, waste toner front cover opened, the machine was powered off, or some other event interrupted execution.	When the situation on the left happend when filling the developer	Deal with this in the following order. ▪ Enter SP mode and execute SP3-024-00x (Developer Fill). ▪ If the result code is not "1", replace the developer.

9. Remove the funnel and turn off the power.
10. Attach the toner supply unit and turn on the power.

Note

- After turning on the main power switch, initialization for the TD sensor and process control automatically starts.

11. Confirm the initialization results for the TD sensor (SP3-031-00x (Init TD Sensor: Exe Execute)). If the initialization is successful, the result shows “1111”.

Note

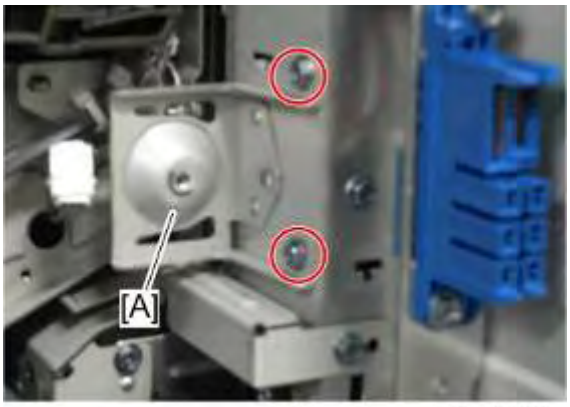
- If "1111" is not displayed, solve along the steps that are described in the troubleshooting.

12. Confirm the initialization results for the process control (SP3-012-001 (ProCon OK? History:Latest)). If the initialization is successful, the result shows “11111111”.

4.13 IMAGE TRANSFER BELT UNIT

4.13.1 ITB UNIT REMOVAL

1. Faceplate (page 4-144 "Faceplate")
2. ITB Cleaning Unit (page 4-196 "ITB Cleaning Unit")
3. Bracket [A] (x2)



d1355230

4. Pull the drawer unit. Then pull the ITB Unit [A] out to detach it.

d1355168

⚠CAUTION

- Make sure that the image transfer rollers do not contact the transfer belt when you remove the ITB unit. You can check it with the lever shown in the picture below. The lever indicates either “HP” or “O” depending on the state of the image transfer rollers.
- **HP:** Image transfer rollers contact the ITB.
- **O:** Imager transfer rollers do not contact the ITB.

⚠CAUTION

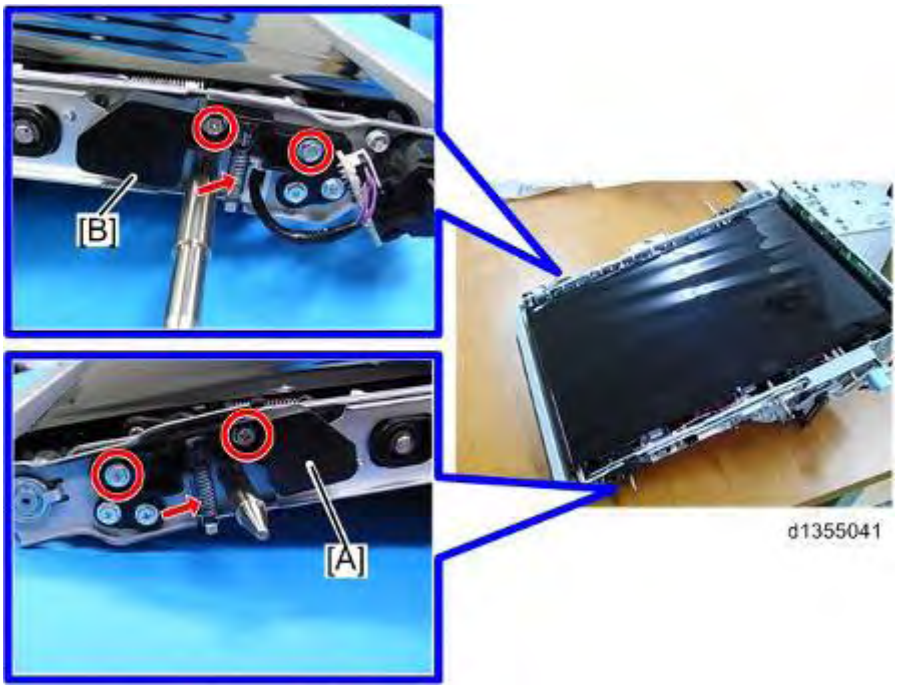
- When you remove or install the ITB unit, be sure not to let the transfer belt touch the drawer unit.
- Be sure to place the ITB unit on a flat surface.
- Execute SP2924-004 after you remove and re-install the ITB unit.

4.13.2 ITB REPLACEMENT

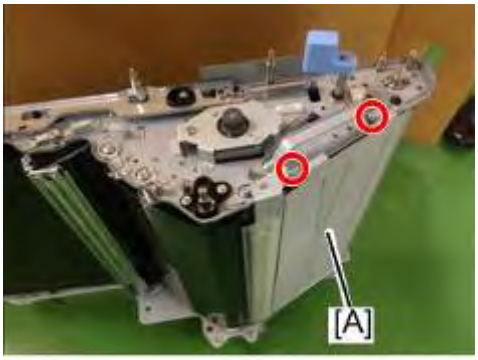
Before you start:

- Clear the counter for the ITB in PM counter mode (or use SP mode to turn SP3701-093 or 094 “0 → 1”)
- Turn the machine off.

1. ITB Unit (page 4-173 "ITB Unit Removal")
2. Make sure that the image transfer roller lever is in the “HP” state (page 4-173 "ITB Unit Removal").
3. Both side brackets [A], [B] (x2 each, Spring x2)

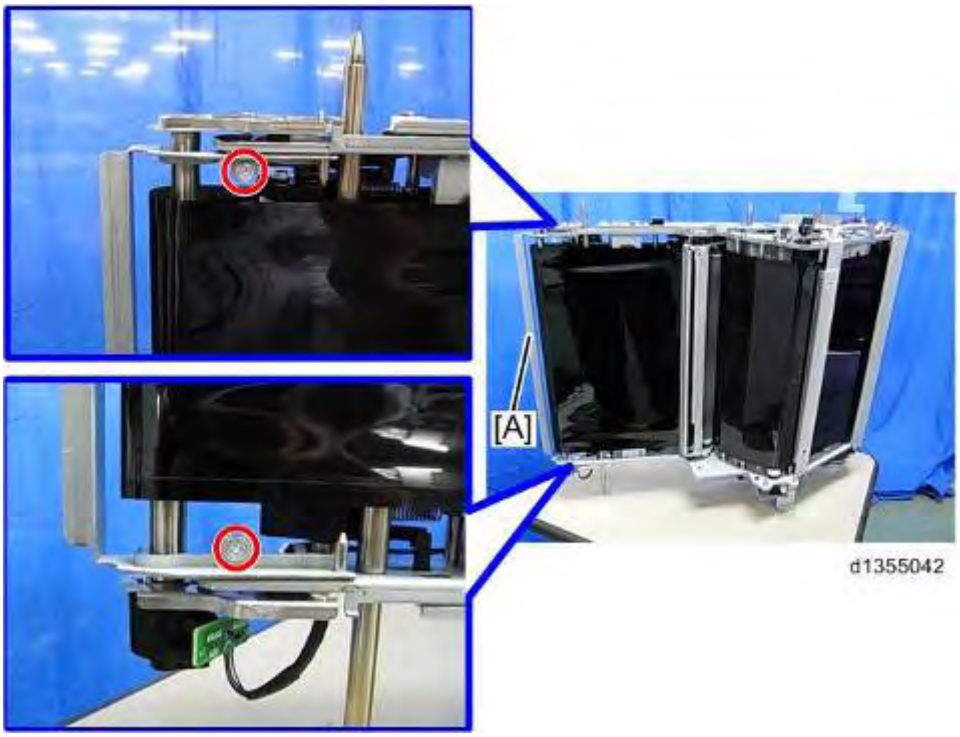


4. Anti-toner-scatterring cover [A] (x2)



d1355111

5. Stay [A] on the left side (x2)

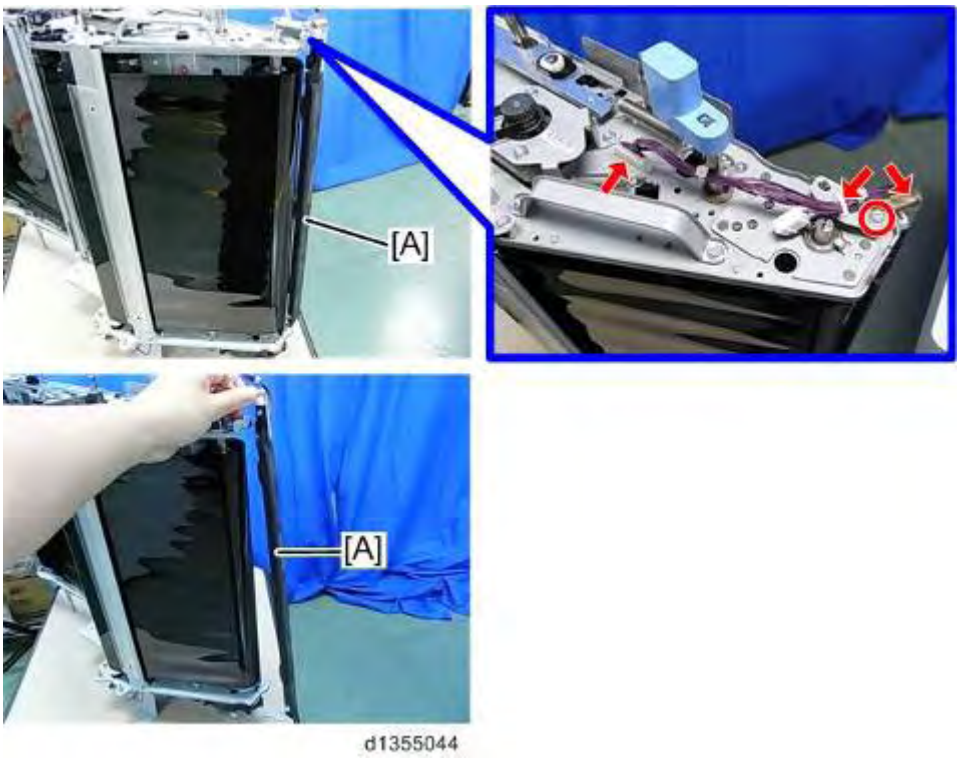


d1355042

6. Stay [A] on the right side. (x3)

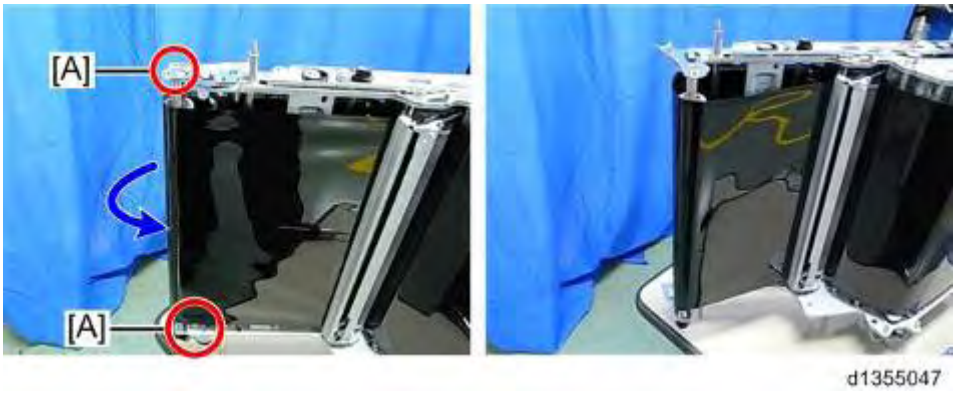
d1355043

7. Bracket with ID Sensors [A]. (x1, x1, x2)

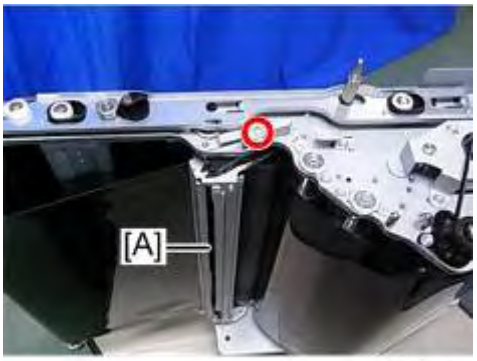


8. Center stay [A] (x1)

9. Hold the frames [A] of the encoder roller and pull them towards you.

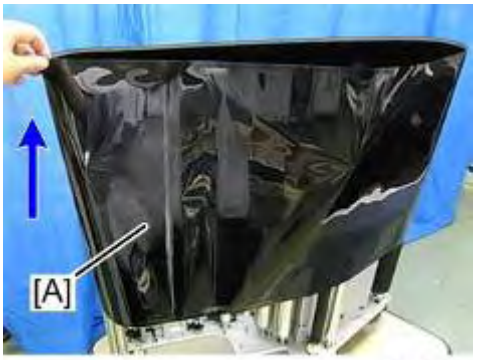


10. Tension roller [A] (x1, Bracket x1)



d1355049

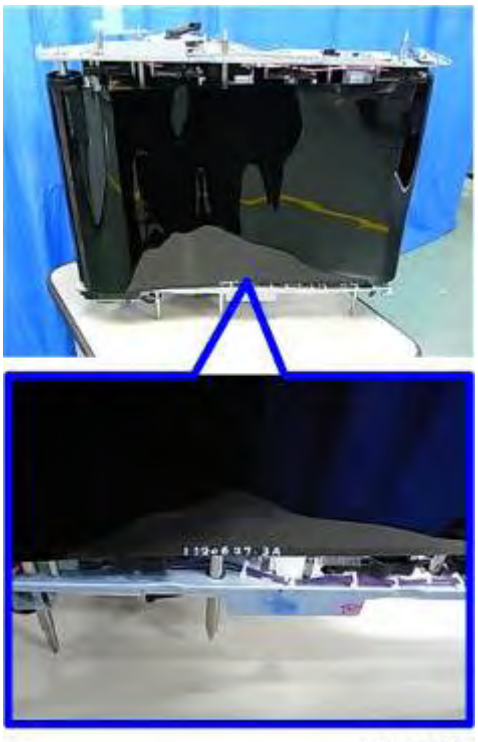
11. Pull the transfer belt [A] upward to remove it.



d155050

⚠CAUTION

- Be sure to install the new transfer belt with the number at the rear of the machine (the lower side in the picture below).
- Be sure to attach the new transfer belt without slackness.



d1355051

Note

- After the replacement, some procedures need to be done. See “Lubrication after replacement” described below.

⇒ *Lubrication after replacement*

1. Turn on the machine.
2. Enter the SP mode and push the PM parts counter reset button in the PM Parts display.
3. Replace Image Transfer Belt.
4. Attach the toner hopper unit.

   Note: Do not install the belt cleaning fan yet.
5. Attach drawer unit cover.
6. Rotate the blade release lever to move the cleaning blade away from the ITB.
7. Pull out (open) the drawer unit.
8. **Keep the drawer unit open,** and then turn the machine main power ON.

   Note: The automatic adjustment will not be performed when the machine is turned ON, since the drawer unit is pulled out/opened.
8. Enter the SP mode and choose “SP2-696-001 (Force Apply Lubricant Execute).
9. Push [Execute] on the operation panel and then push the drawer unit into the machine.

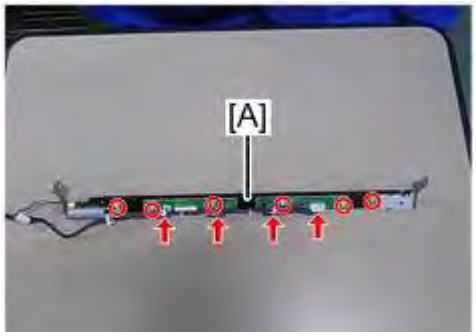
   Note: When the drawer unit is pushed into the machine, lubrication starts automatically. This operation takes about 3 minutes to complete.
6. Turn the machine off when the lubrication finishes (the machine’s activity stops).
7. Withdraw the drawer unit and rotate the blade release lever in order to make the cleaning blade contact the ITB.
8. Re-install the belt cleaning fan (Screw x1).
9. Push the drawer unit into the machine.
10. Turn the machine on.

    Note: The machine will then execute the automatic corrections.

4.13.3 ID/MUSIC SENSORS

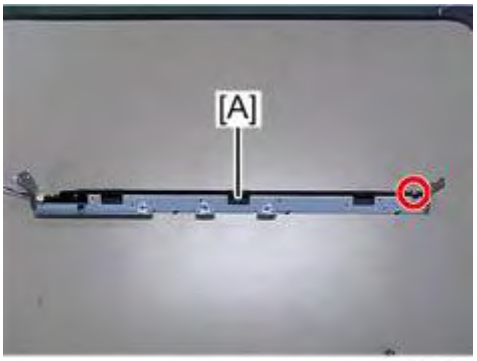
1. Bracket with the ID sensor

2. Detach the ID sensor board [A] from the bracket. (x5, x3, x1)



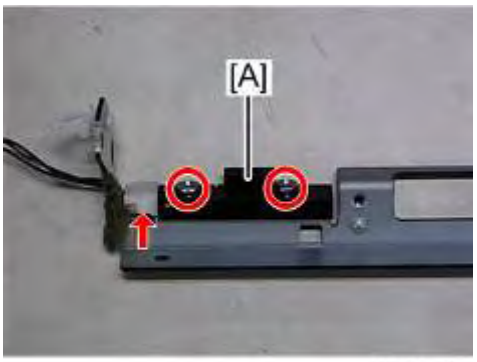
4.13.4 ITB HP SENSOR

1. Detach the ID sensor from the bracket. (page 4-178 "ID/MUSIC Sensors")
2. Cover [A] (x1, Hook x3)



d1355038

3. ITB HP Sensor [A] (x2, x1)

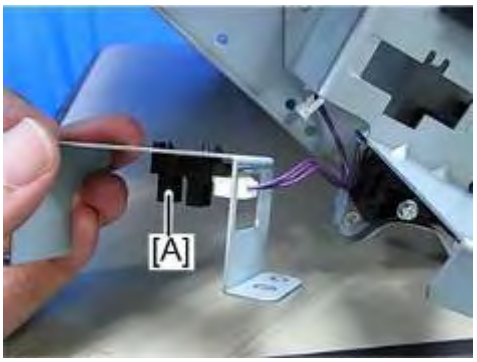


d1355039

4.13.5 PTR SEPARATION SENSOR

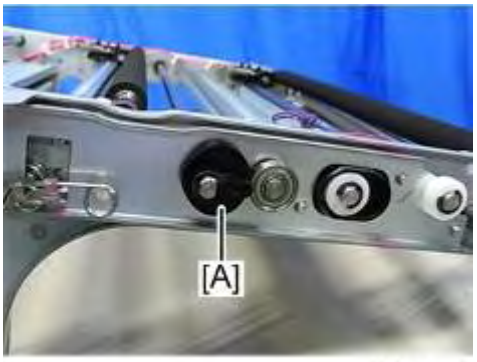
1. Transfer Belt (page 4-174 "ITB Replacement")
2. Bracket with PTR separation sensor [A] (x2)

3. Detach the PTR separation sensor [A] from the bracket [A]. (Hook, x1)



4.13.6 ITB LIFT (YMC) SENSOR

1. Transfer Belt (page 4-174 "ITB Replacement")
2. Rotate the cam [A] and make its widest part point to the bearing (“image transfer roller rises up” state) as shown below.

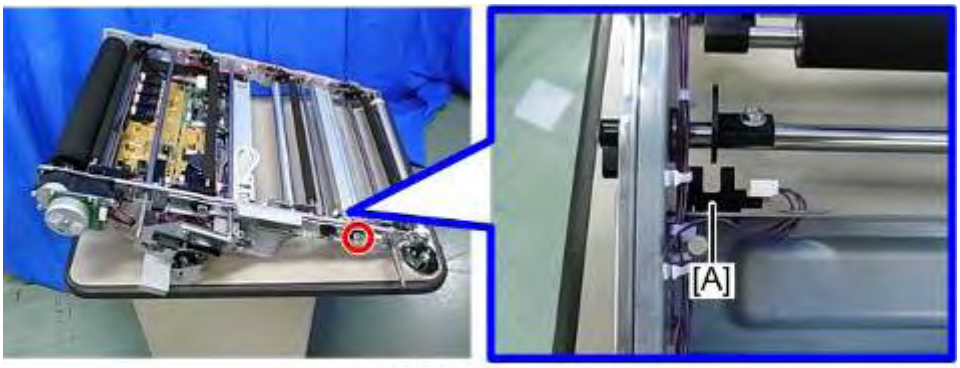


d1355037

⚠CAUTION

- Be sure to re-rotate the cam and drop the image transfer roller down after the replacement.

3. ITB Lift (YMC) Sensor (x1, Hook)



d1355036

4.13.7 IMAGE TRANSFER ROLLER (K)

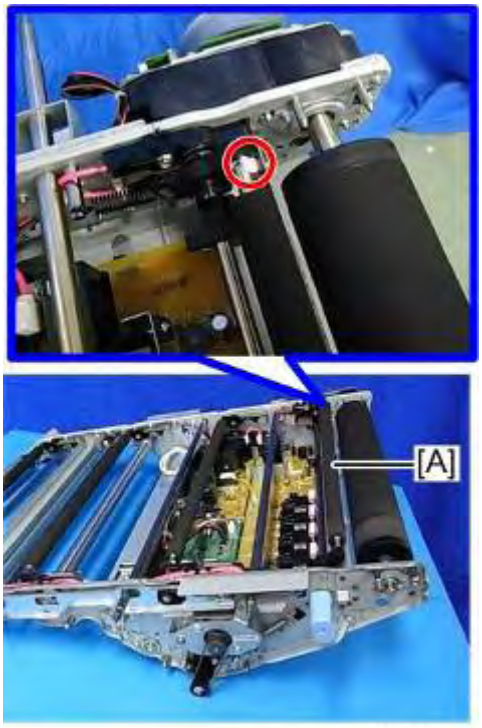
1. Transfer Belt (page 4-174 "ITB Replacement")
2. Raise the lever [A].

d1355027

⚠CAUTION

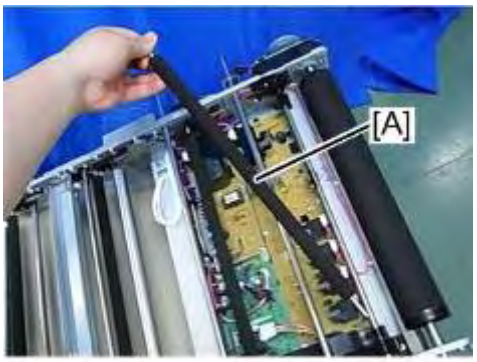
- Be sure to re-rotate the cam and drop the image transfer roller down after the replacement.

3. "x1" that fixes the image transfer roller (K) [A]



d1355033

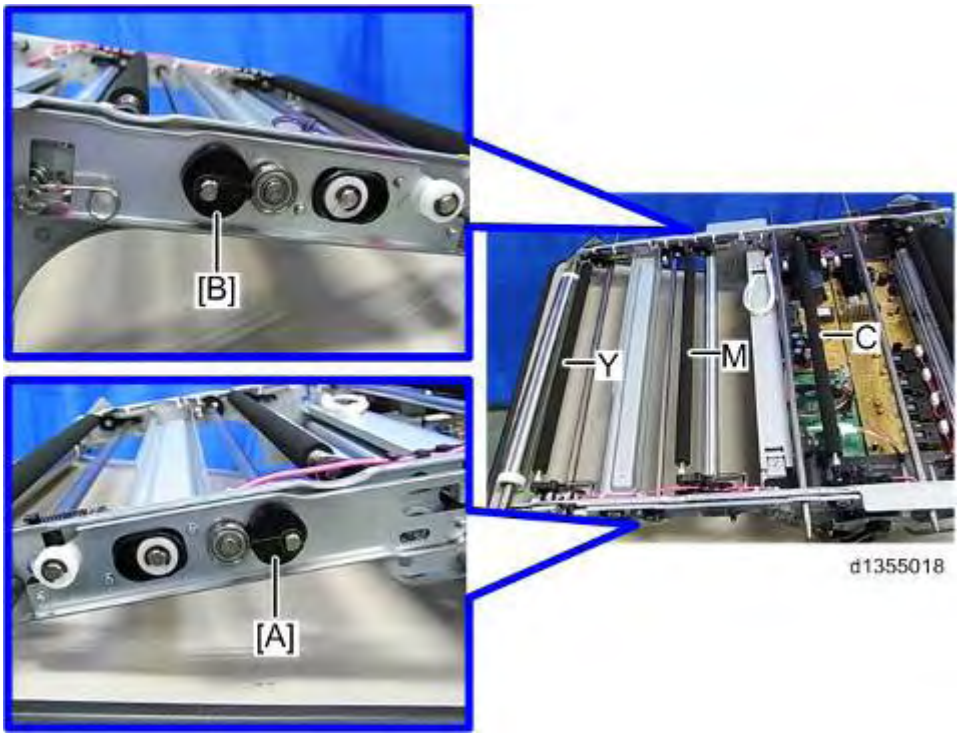
4. Slide the image transfer roller (K) [A] towards you and remove it.



d1355035

4.13.8 IMAGE TRANSFER ROLLER (YMC)

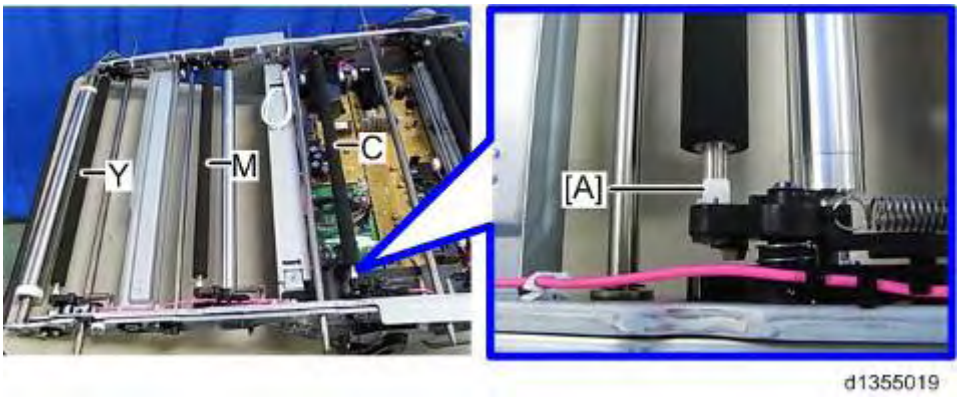
1. Transfer Belt (page 4-174 "ITB Replacement")
2. Rotate the cams and make the wider parts [A] [B] point to the bearing (“rise up” state).



⚠CAUTION

- Be sure to re-rotate the cam and drop the image transfer roller down after the replacement.

3. “ x1” that fixes the image transfer roller (C) [A]

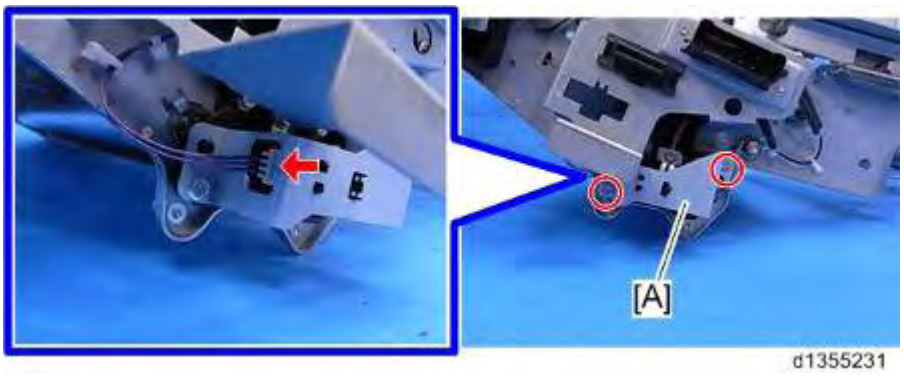


4. Slide the image transfer roller (C) [A] to the rear side and remove it.

5. Remove the image transfer roller (M), (Y) as in the previous step.

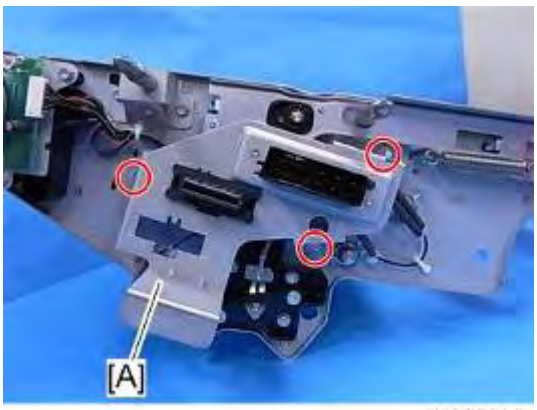
4.13.9 ITB BIAS ROLLER

1. Transfer Belt (page 4-174 "ITB Replacement")
2. PTR Separation Sensor Bracket [A] (x2, x 1)



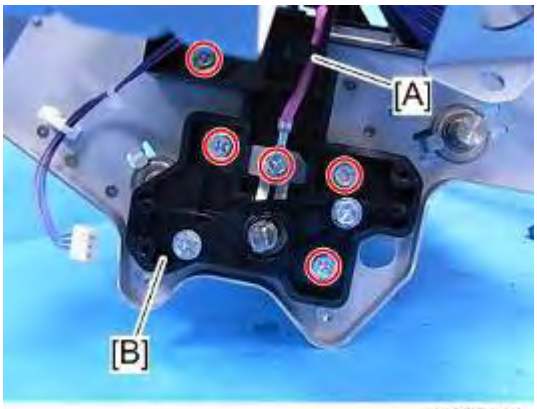
3. Actuator [A] (x1)

4. Separate the drawer bracket [A] from the drawer (x3).



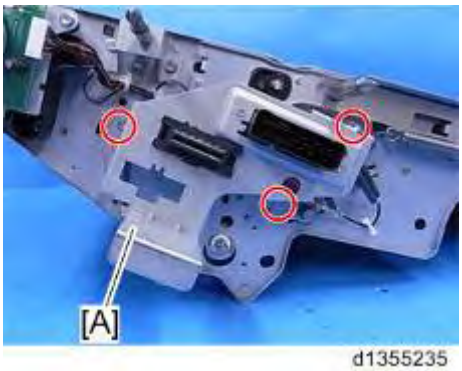
d1355233

5. Harness Guide [A] and Bracket [B] (x5, Grounding Plate x1)



d1355234

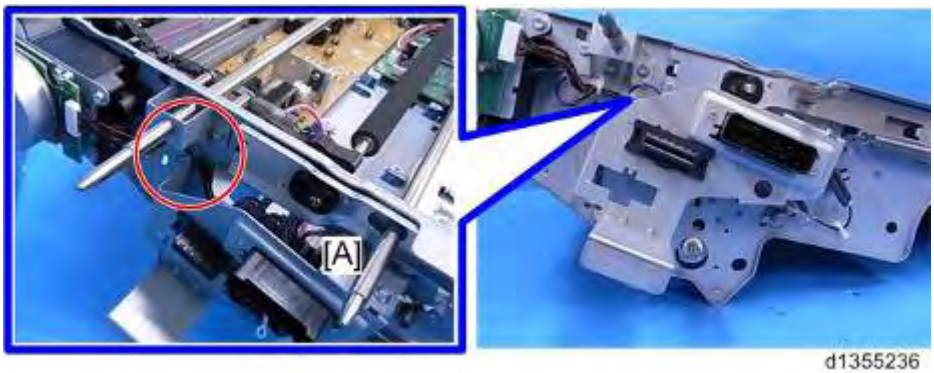
6. Re-attach the drawer bracket [A] (x3)



d1355235

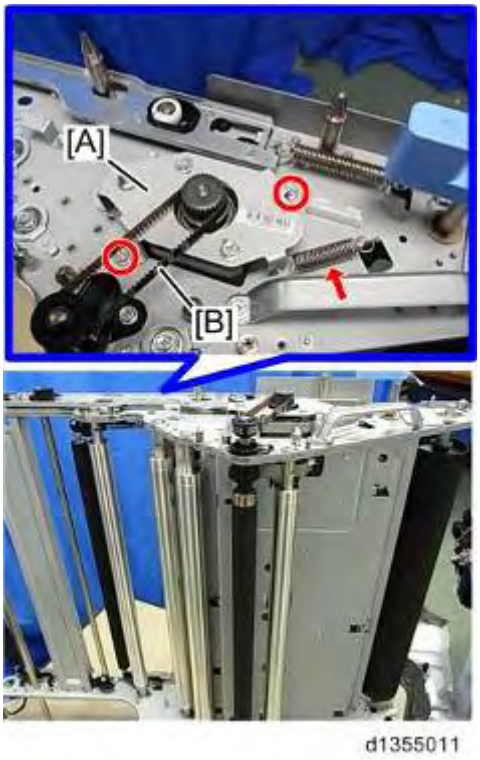
Note

- Be sure not to pinch the harness when you re-attach the drawer bracket.



d1355236

7. Loosen the motor bracket [A] (x2, Spring x1). Then remove the belt [B].

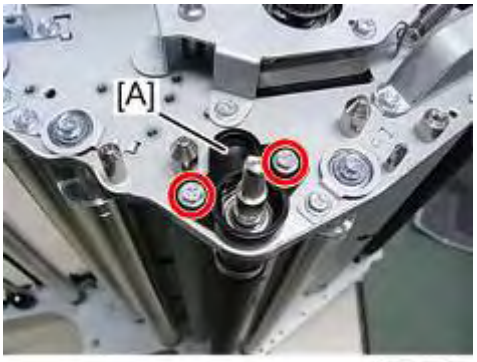


d1355011

8. Pulley [A] (x1)

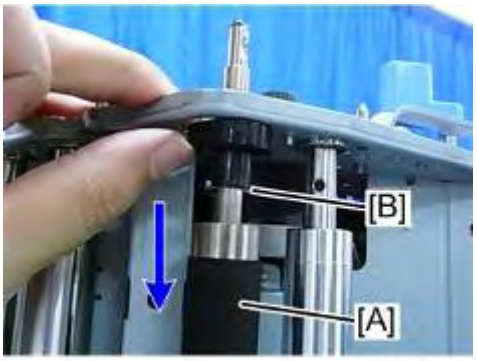
d1355012

9. Bearing Bracket [A] (x2, Bearing x1)



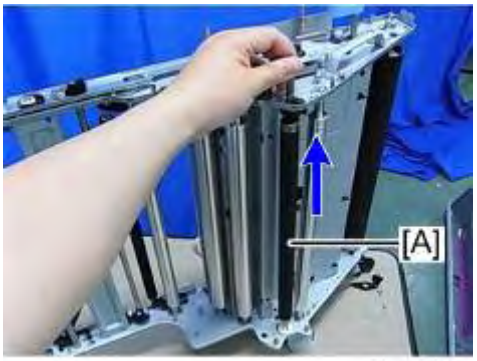
d1355013

10. Drop the ITB bias roller [A] down and remove the parallel pin [B].



d1355014

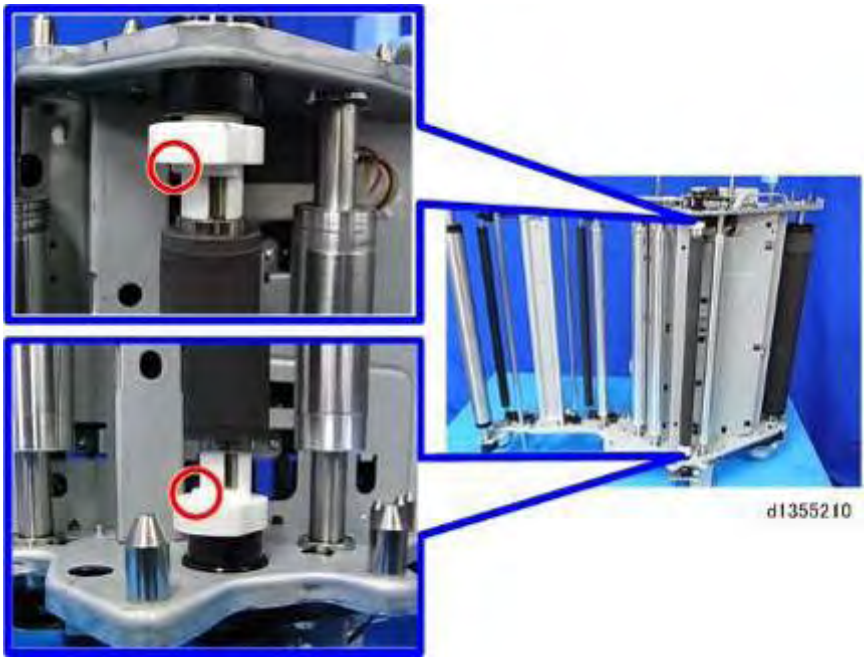
11. Pull the ITB bias roller [A] upward and release its lower end to remove it.



d1355015

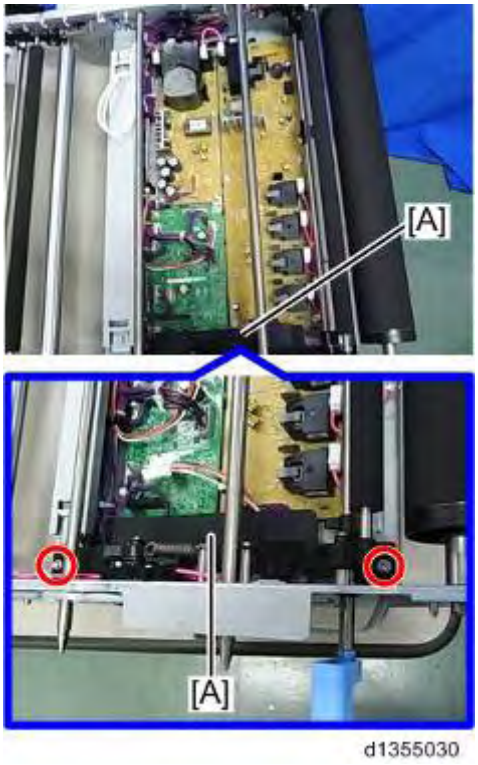
Note

- Each side cam of the ITB bias roller must be attached in the correct direction. Re-attach these cams, directing each cam's widest part inward.

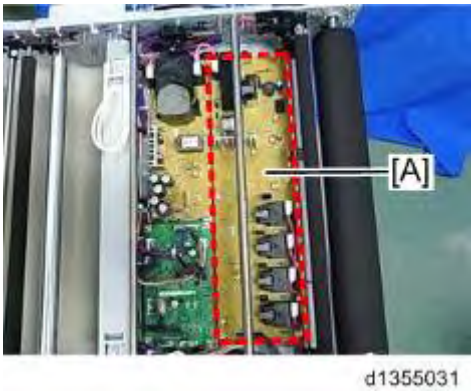

d1355210

4.13.10 TRANSFER POWER PACK/SEPARATION POWER PACK

1. Transfer Belt (page 4-174 "ITB Replacement")
2. Bracket [A] (x2)

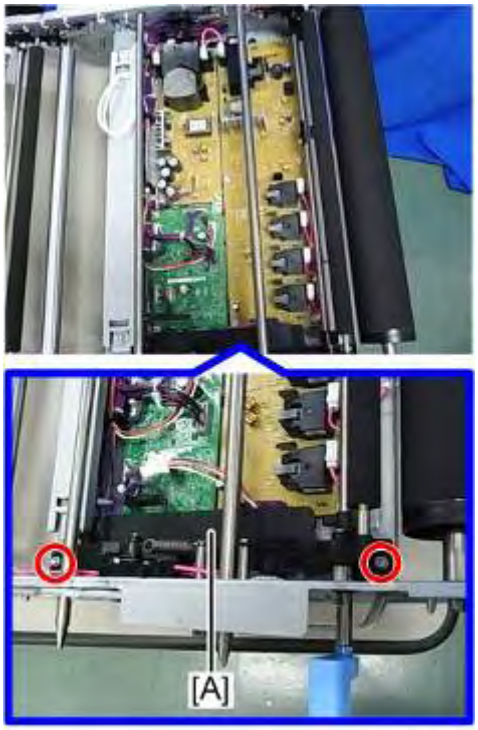


3. Transfer Power Pack/Separation Power Pack [A] (x6, all)



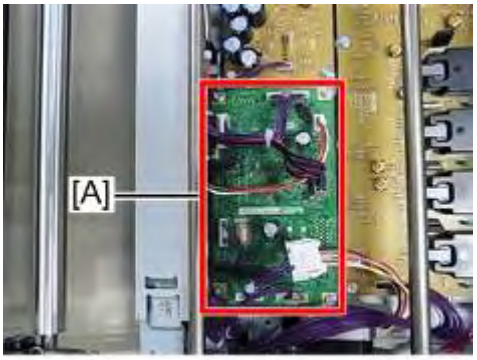
4.13.11 TDRB (TRANSFER DRIVE RELAY BOARD)

1. Transfer Belt (page 4-174 "ITB Replacement")
2. Image Transfer Roller (C) (page 4-183 "Image Transfer Roller (YMC)")
3. Bracket [A] (x2)



d1355028

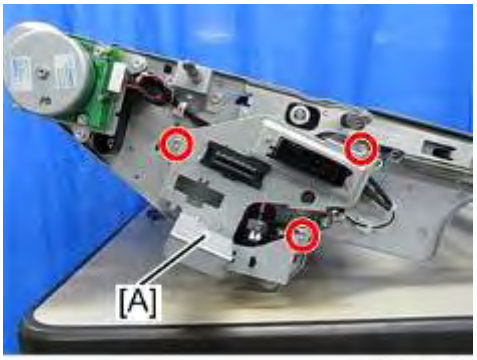
4. TDRB [A] (x4, all)



d1355029

4.13.12 ANTI-CONDENSATION HEATER

1. Transfer Belt (page 4-174 "ITB Replacement")
2. Detach the bracket with the drawer connector [A] from the ITB unit. (x3)

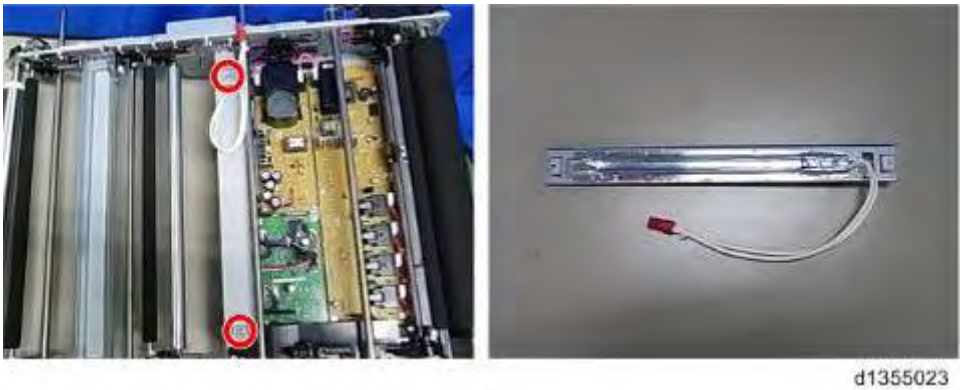


d1355021

3. Disconnect the white connector and push the red connector into the back of the ITB frame.

d1355022

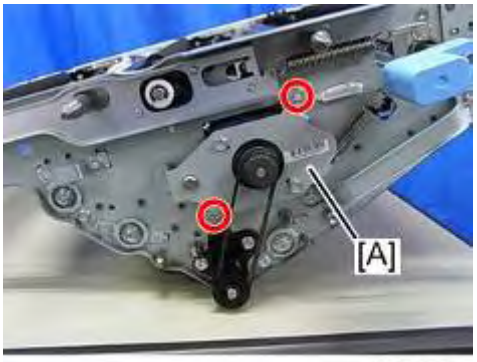
4. Detach the heater from the ITB unit. (x2)



d1355023

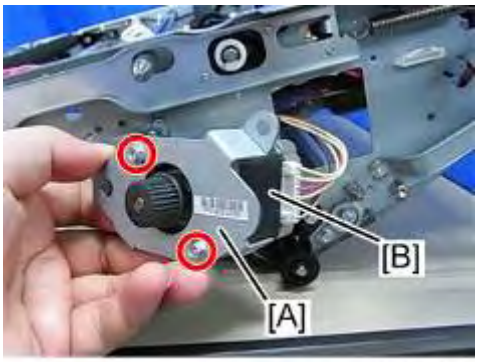
4.13.13 PTR SEPARATION MOTOR

1. ITB Unit (page 4-173 "ITB Unit Removal")
2. Bracket with the PTR separation motor [A] (Spring x1, x2, Belt x1)



d1355009

3. Separate the bracket [A] and the PTR separation motor [B] (x2, x1)



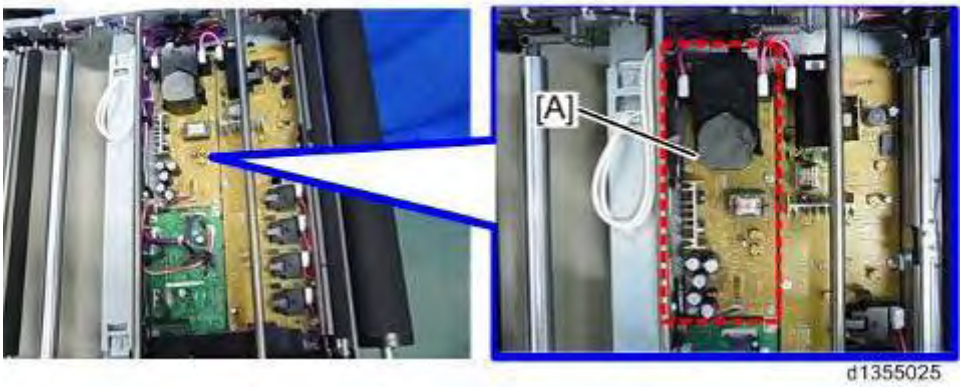
d1355010

4. Detach the vibration-proof pad [A] from the motor. (x2)

d1355158

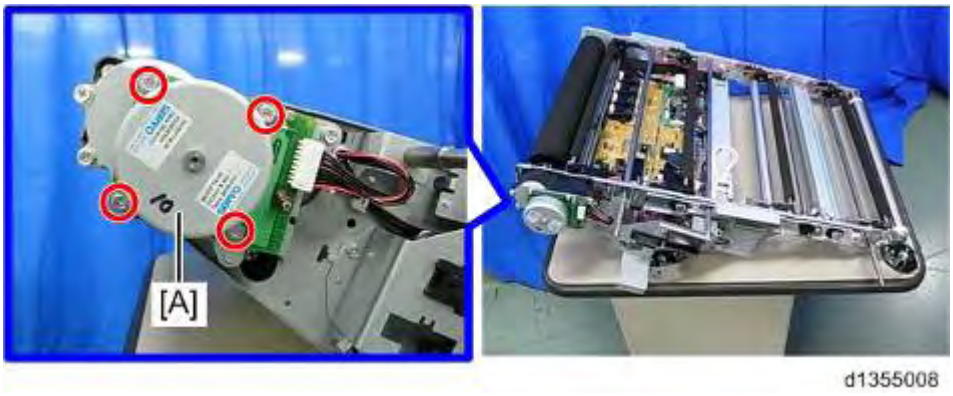
4.13.14 AC TRANSFER POWER PACK (D137/D138 ONLY)

1. Image Transfer Roller (C) (page 4-183 "Image Transfer Roller (YMC)")
2. AC Transfer Power Pack [A] (x6, all)



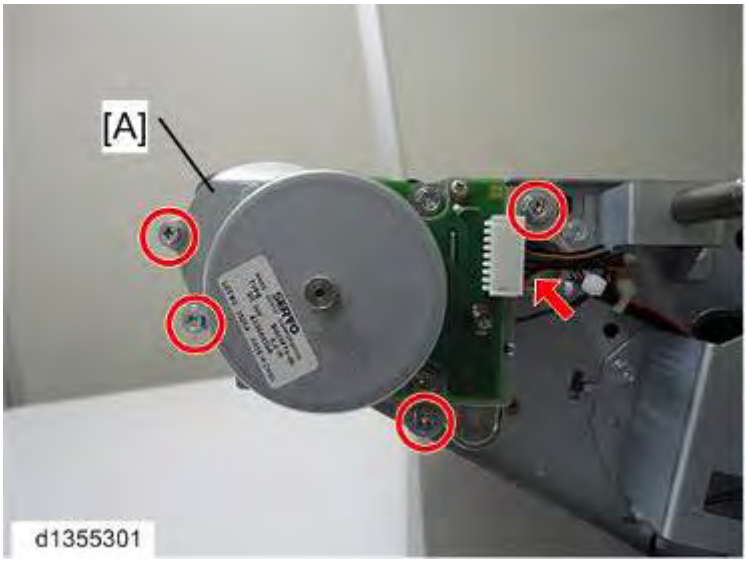
4.13.15 ITB MOTOR

1. ITB Unit (page 4-173 "ITB Unit Removal")
2. ITB Motor [A] (x4, x1)

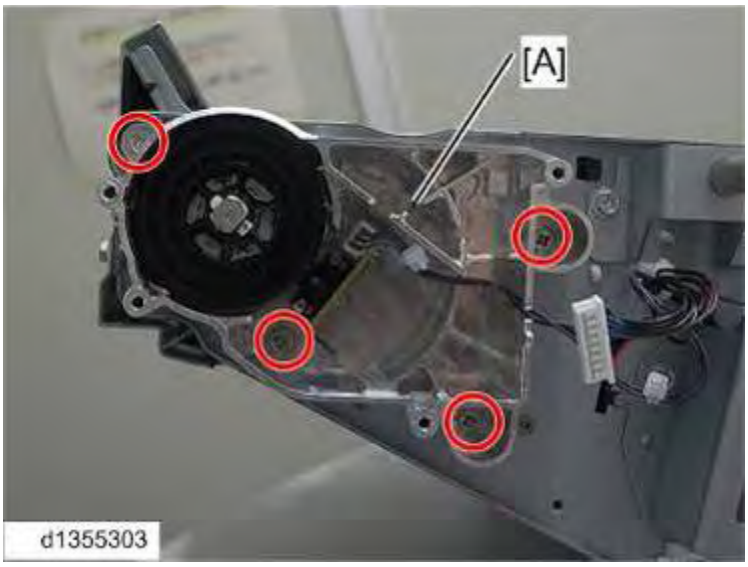


4.13.16 ITB DRIVE SHAFT GEAR / ENCODER SENSOR

1. Transfer Belt (page 4-174 "ITB Replacement")
2. Motor Bracket [A] (x4, x1)



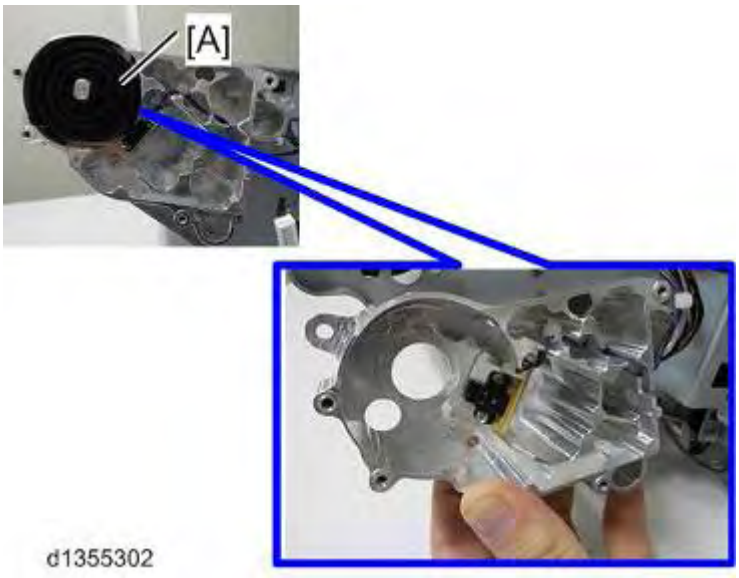
3. Housing [A] (x4)



Note

- Do not remove only the housing [A]. Remove it [A] with the gear.

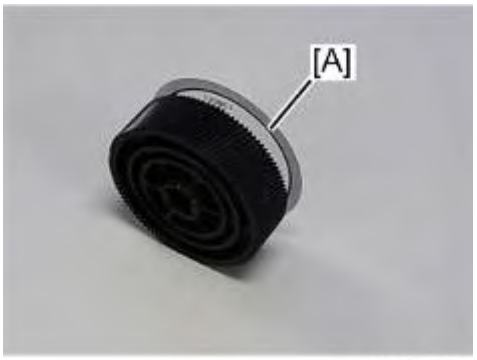
4. Detach the ITB drive shaft gear [A] from the housing



d1355302

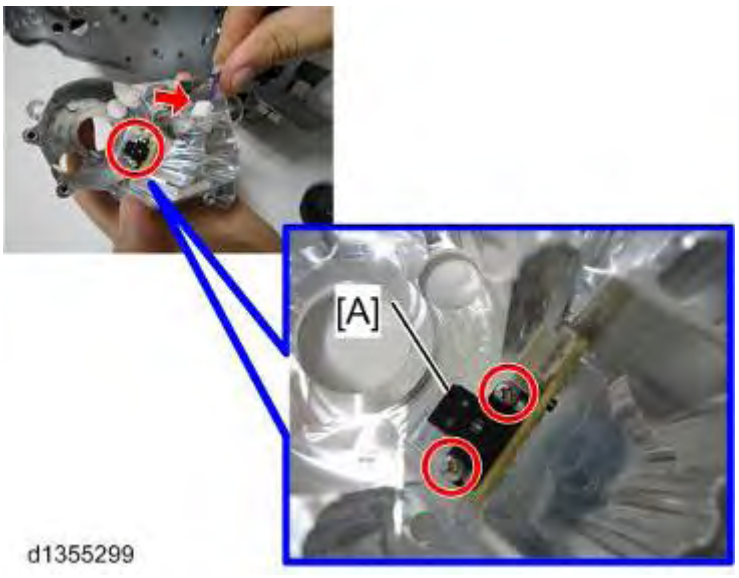
⚠CAUTION

- Be sure to handle the gear carefully not to break the encoder [A].
- To prevent breaking the encoder [A] when you install the ITB drive shaft gear, remove the ITB drive shaft encoder sensor from the housing first. Then install the ITB drive shaft gear.



d1355006

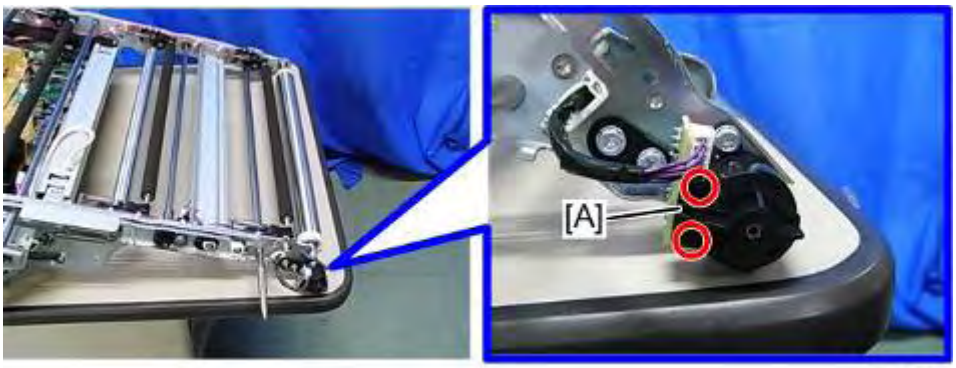
5. Disconnect the harness from the housing to detach the ITB drive shaft encoder sensor [A].



d1355299

4.13.17 ITB DRIVEN SHAFT ENCODER SENSOR

1. ITB Unit (page 4-173 "ITB Unit Removal")
2. ITB Driven Shaft Encoder Sensor [A] (Pin x2, x1)



d1355000

d1355001

4.14 ITB CLEANING UNIT

Before you start replacement of the ITB cleaning unit or its components (ITB cleaning blade / Lubricant bar / ITB lubricant blade):

1. Clear the counter for the ITB in PM counter mode (or use SP mode to turn SP3701-093 or 094 “0 → 1”)
2. Turn the machine off.

4.14.1 ITB CLEANING UNIT

1. ITB Motor Cooling Fan (page 4-416 "ITB Motor Cooling Fan")
2. Release the lock lever.

d1355054

3. Pull the ITB cleaning unit [A] out. (x1)

d1355056

4.14.2 ITB CLEANING BLADE

Note

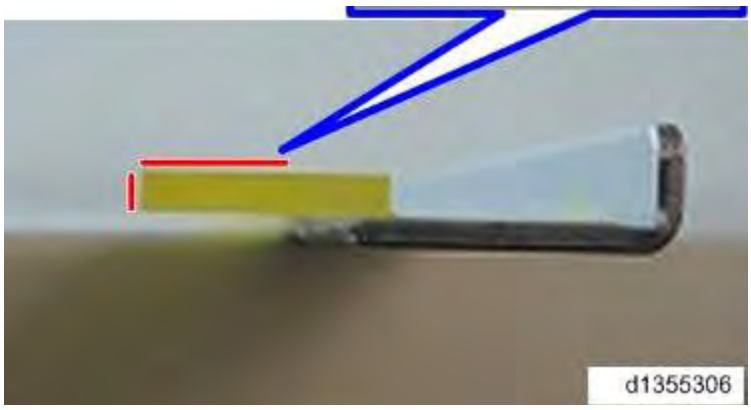
- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. ITB Cleaning Unit (page 4-196 "ITB Cleaning Unit")
2. ITB Cleaning Blade [A] (x2)

⇒ Note

- Be sure to to apply yellow toner (D0149500) evenly on the lined faces of the new ITB blade with a brush: blower (P/N: D0747690) before the installment as shown below.

Brush: Blower (P/N: D0747690)

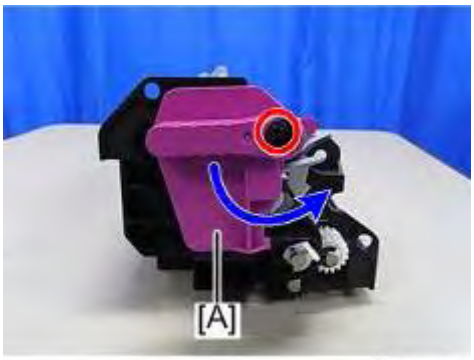


4.14.3 ITB LUBRICANT BRUSH

Note

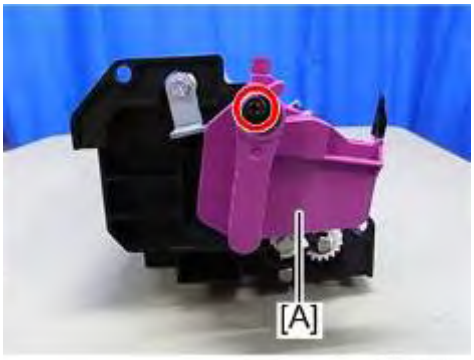
- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. ITB Cleaning Unit (page 4-196 "ITB Cleaning Unit")
2. Rotate the lock lever [A] in the arrowed direction as shown below.



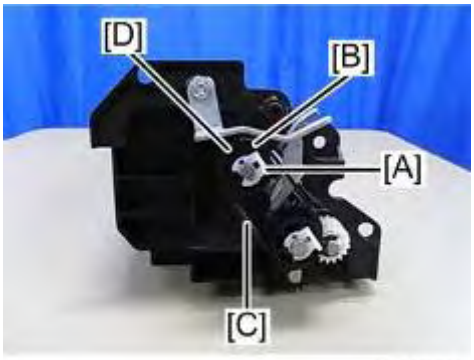
d1355079

3. Lock lever [A] (x1)



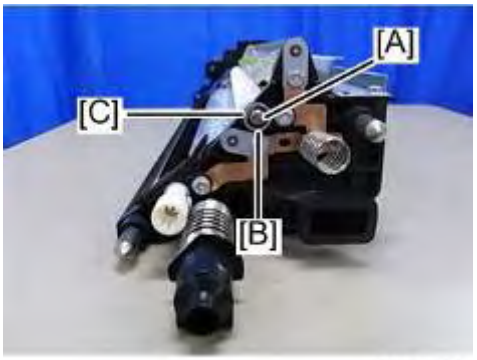
d1355080

4. Snap ring [A] x1, Gear x1 [B], Belt x1 [C], Bearing [D]



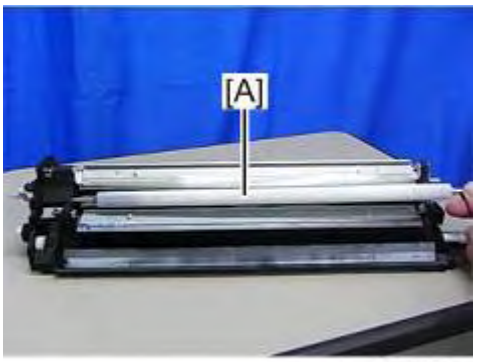
d1355081

5. [A] x1, Spacer [B] x1, Bearing [C] x1



d1355082

6. ITB Lubricant Brush [A]



d1355083

4.14.4 ITB LUBRICANT BAR

Note

- ITB cleaning blade, ITB lubricant brush and ITB lubricant bar must be replaced together as a set.

1. ITB Lubricant Brush (page 4-198 "ITB Lubricant Brush")
2. Detach the ITB lubricant bar [A] from the ITB cleaning unit.

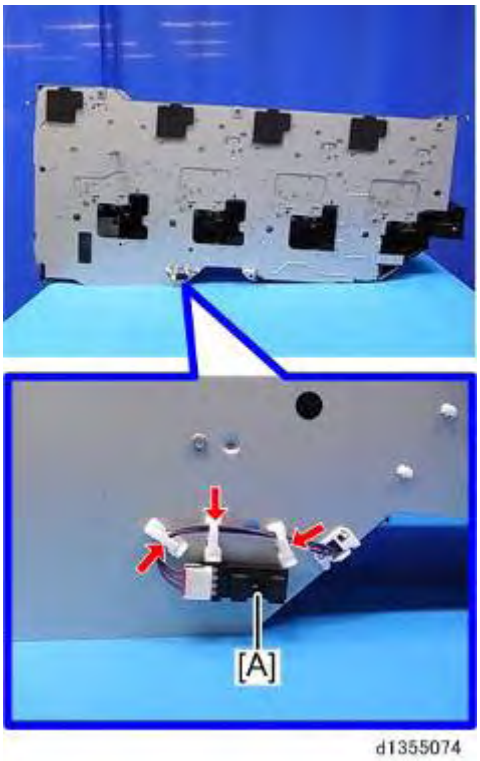
d1355075

4.14.5 ITB LUBRICANT BLADE

1. ITB Cleaning Unit (page 4-196 "ITB Cleaning Unit")
2. ITB Lubricant Blade [A] (x2)

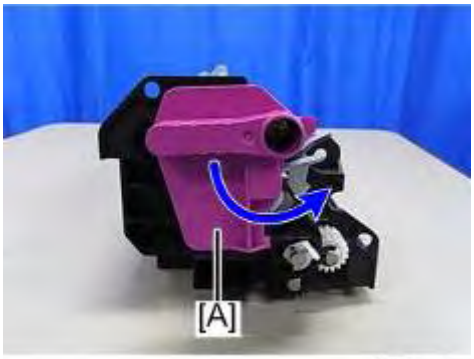
4.14.6 ITB CLEANING UNIT SET SENSOR

1. Toner Supply Unit (page 4-96 "Toner Supply Unit")
2. ITB Cleaning Unit Set Sensor [A] (x3, x1, Hook)



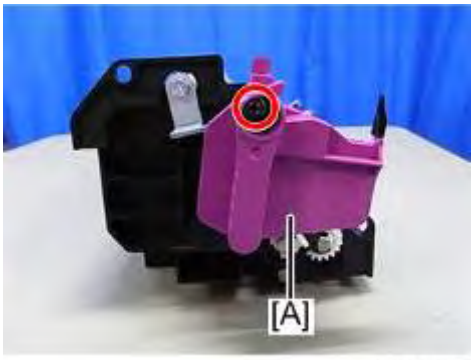
4.14.7 ITB PAPER DUST CLEANING BRUSH ROLLER

1. ITB Cleaning Unit (page 4-196 "ITB Cleaning Unit")
2. Rotate the lock lever [A] in the arrowed direction as shown below.



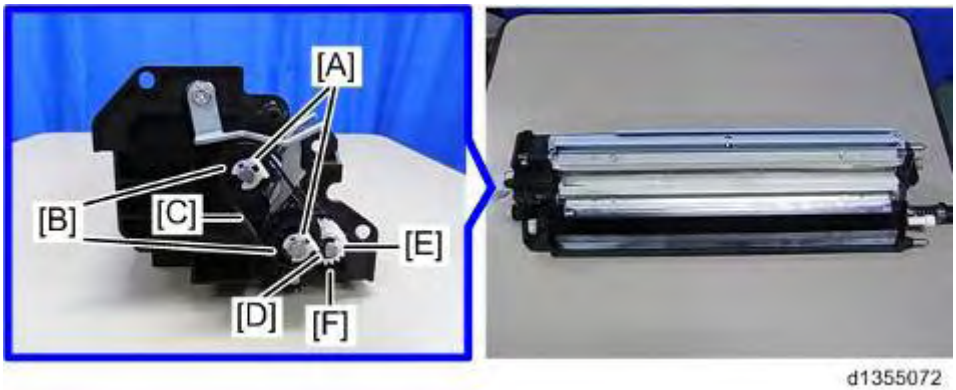
d1355070

3. Lock lever [A] (x1)



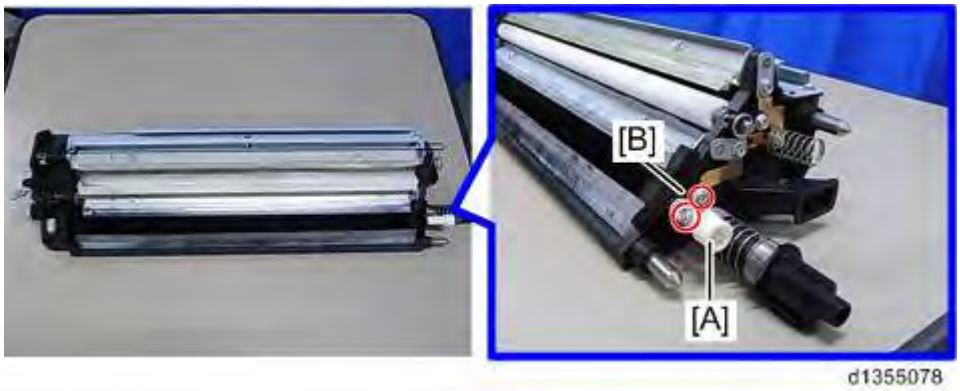
d1355071

4. Snap ring [A] x2, Gear x2 [B], Belt x1 [C], [D] x1, Gear [E] x1, Bearing [F] x1



d1355072

5. Coupling [A] (x1), Bearing [B] (x1)

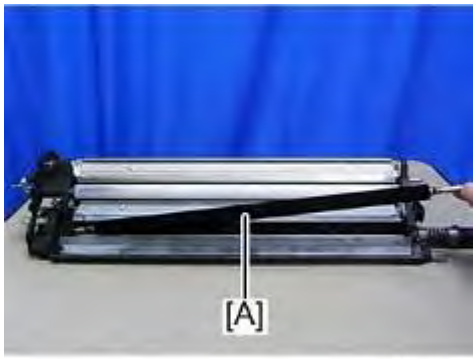


d1355078

6. Bearing [A] that has a sponge

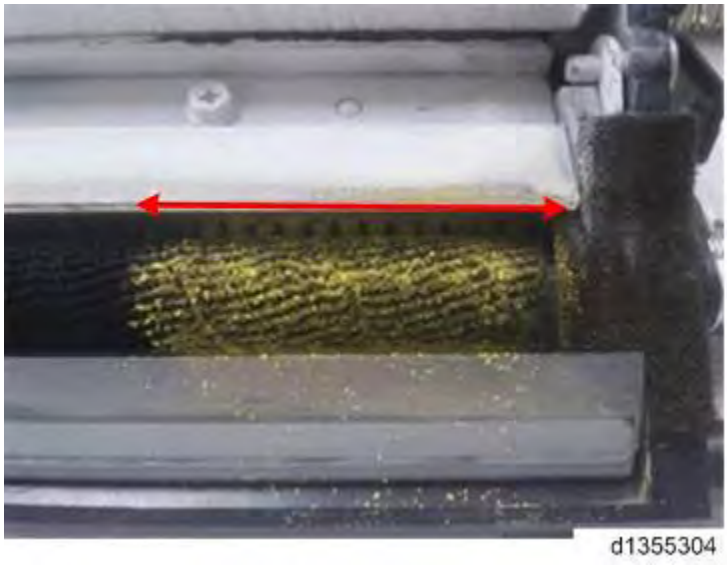
d1355085

7. ITB Paper Dust Cleaning Brush Roller [A]



d1355073

⇒ **8.** Install the new cleaning brush roller and then use a brush: blower (P/N: D0747690) to apply zinc stearate (D0149501) and yellow toner (D0149500) in a 40 ~ 50 mm area (shown below) of the installed cleaning brush roller.



Brush: Blower (P/N: D0747690)

4.14.8 LUBRICATION AFTER REPLACEMENT

After the replacement of the ITB cleaning unit or its components (ITB cleaning blade / Lubricant bar / ITB lubricant blade), you should follow these steps below to lubricate:

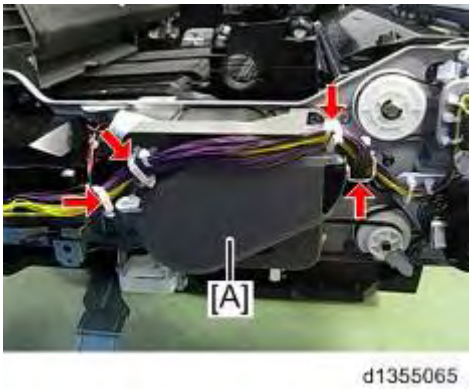
1. Rotate the blade release lever to move the cleaning blade away from the ITB.
2. Turn on the machine, while keeping the drawer unit withdrawn.
3. Enter the SP mode and choose “SP2-696-001 (Force Apply Lubricant Execute).
4. Push [Execute] on the operation panel and then push the drawer unit into the machine.
5. Lubrication starts (the operation takes 3 minutes).
6. Turn the machine off when the lubrication finishes (the machine’s activity stops).
7. Withdraw the drawer unit and rotate the blade release lever in order to make the cleaning blade contact the ITB
8. Re-install the belt cleaning fan (x1).
9. Attach the toner supply unit.
10. Attach the drawer cover and then push the drawer unit in.
11. Turn the machine on. The machine will execute automatic corrections.

4.15 PAPER TRANSFER ROLLER UNIT

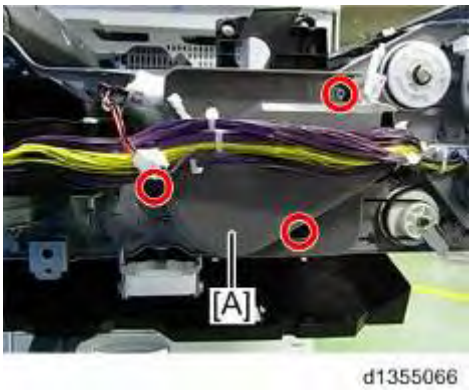
4.15.1 PAPER TRANSFER ROLLER UNIT

1. Pull the drawer unit out.
2. Drawer Unit Cover (page 4-69 "Drawer Unit Cover")
3. Cover [A] (x2, x1)

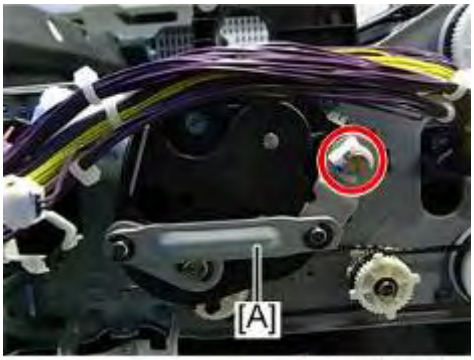
4. Remove the harnesses from the inner cover [A] (x4)



5. Inner Cover [A] (x3)



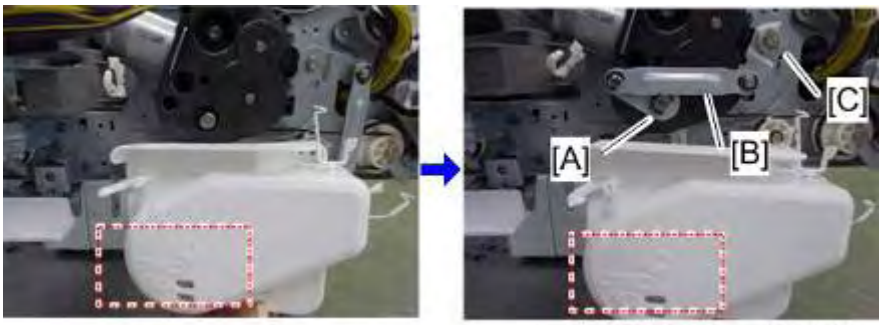
6. Release the link plate [A] (x1)



d1355067

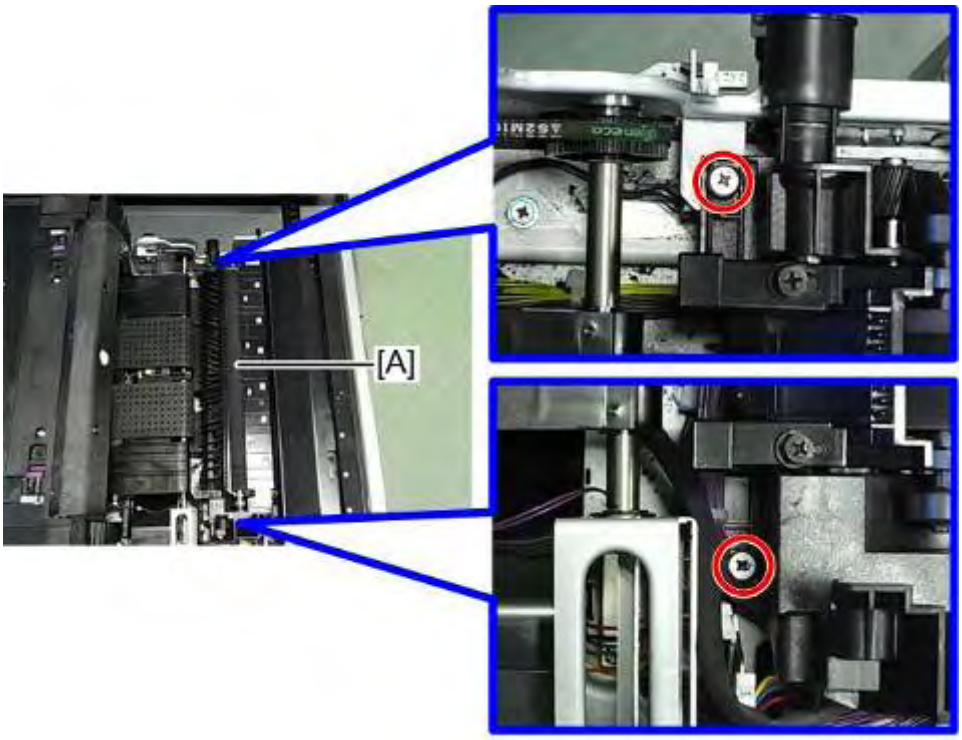
Note

- When mounting the motor block, screw the motor in first. Then, assemble links [A], [B] and [C] as shown below. There is also a diagram embossed on the motor cover to help you to install the links correctly.
- Lock shaft (Cut surface to the upper left) [A]
- Link (Long hole to the right) [B]
- Paper transfer roller shaft (Cut surface to the lower side) [C]

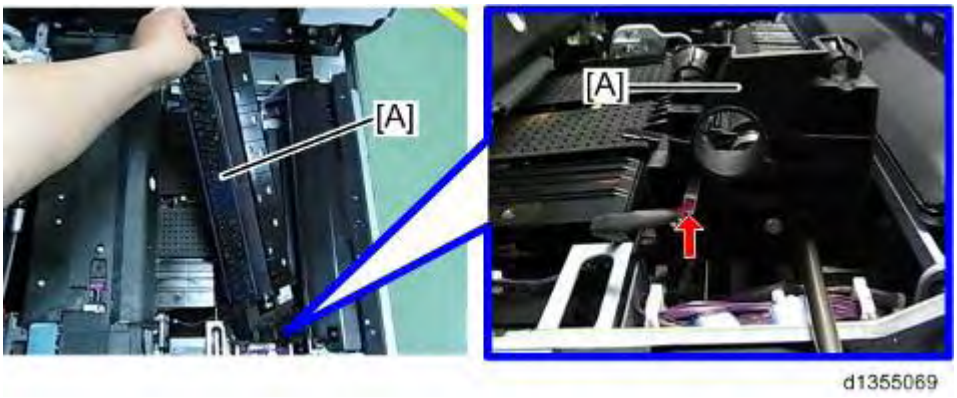


d1352529

7. “Shoulder x2” on both sides of the paper transfer unit [A]

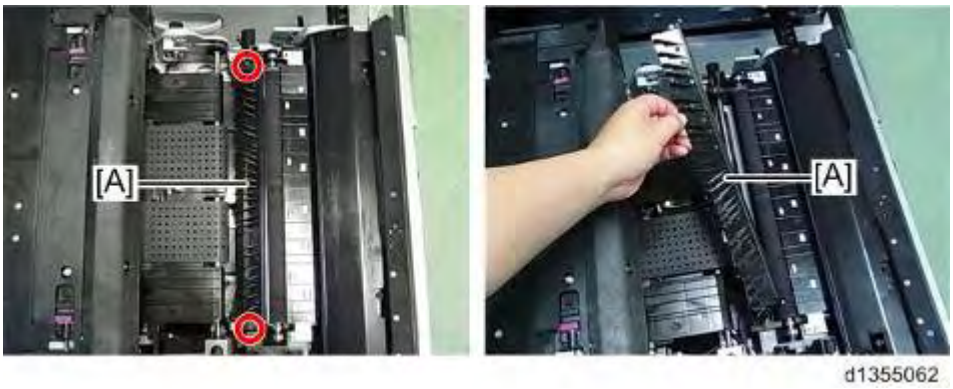


8. Paper Transfer Roller unit [A] (x1)



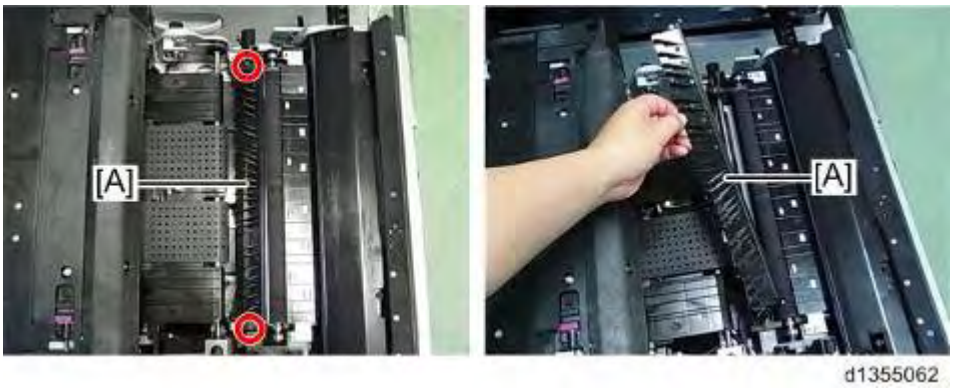
4.15.2 PAPER DISCHARGE PLATE

1. Pull the drawer unit out.
2. Paper Discharge Plate [A] (x2)



4.15.3 PAPER TRANSFER ROLLER

1. Pull the drawer unit out.
2. Paper Discharge Plate [A] (x2)



3. Lift the paper transfer roller [A] to remove it.

4.16 FUSING UNIT

4.16.1 SCREW LIST

The fusing unit has many types of screws. A screw list is shown below.

In the procedures, the screw types used are shown as (A) ~ (M).

Note

- **Example: Cover [A] (Ax2)**
  This means “the two screws that fixes cover [A] are **A**: SCREW:M3X6 listed below”.
- If (Ex 2), it means “Cover [A] is fixed with two **E**: HEXAGONAL BOLT:DOUBLE SCREW:M3X10.”

A: SCREW:M3X6	**B**: HEXAGONAL BOLT:W/WASHER:M3X8

C: STEPPED SCREW:M3	**D**: TCRU/ORU SCREW M4

E: HEXAGONAL BOLT:DOUBLE SCREW:M3X10	F: STEPPED SCREW:DIA5:M3X3.8

G: HEXAGON HEAD BOLT WITH WASHER:M3X6	H: STEPPED SCREW - M3

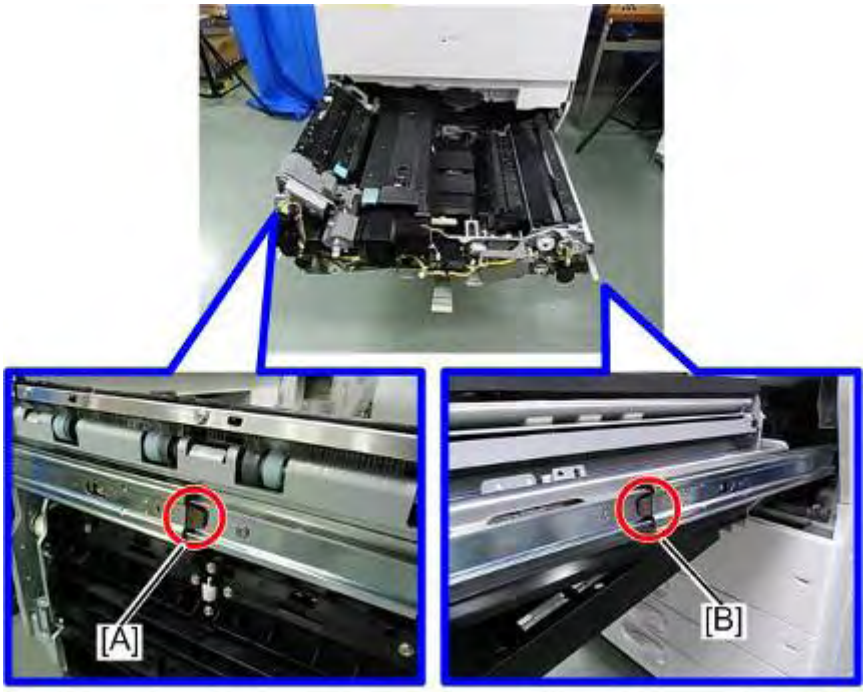
I: TAPPING SCREW:3X10	J: SCREW:GUIDE PLATE:ADF

K: SCREW:M3X4	L: SCREW:CLAMP:FRONT

M: TCRU/ORU SCREW M3

4.16.2 REMOVING THE FUSING UNIT

1. Drawer Unit Cover (page 4-69 "Drawer Unit Cover")
2. Keep pressing in the locks [A] [B] and withdraw the drawer unit fully.

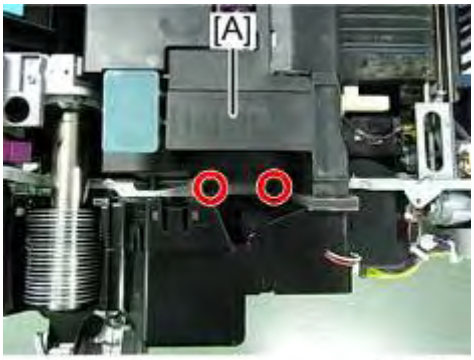


d1355126

3. Open the inner cover [A] (D x1)

d1355127

4. ”D x2” on the front side of the fusing unit [A].

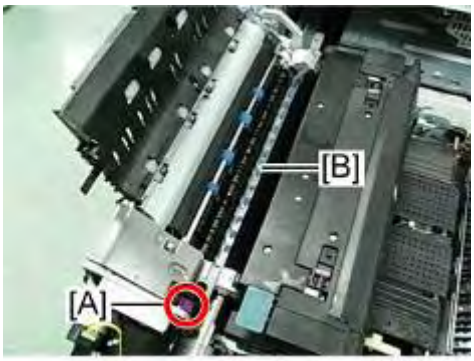


d1355129

5. Open the guide plate [A].

d1355130

6. Raise the lever [A] to lift the inner guide plate [B] up.



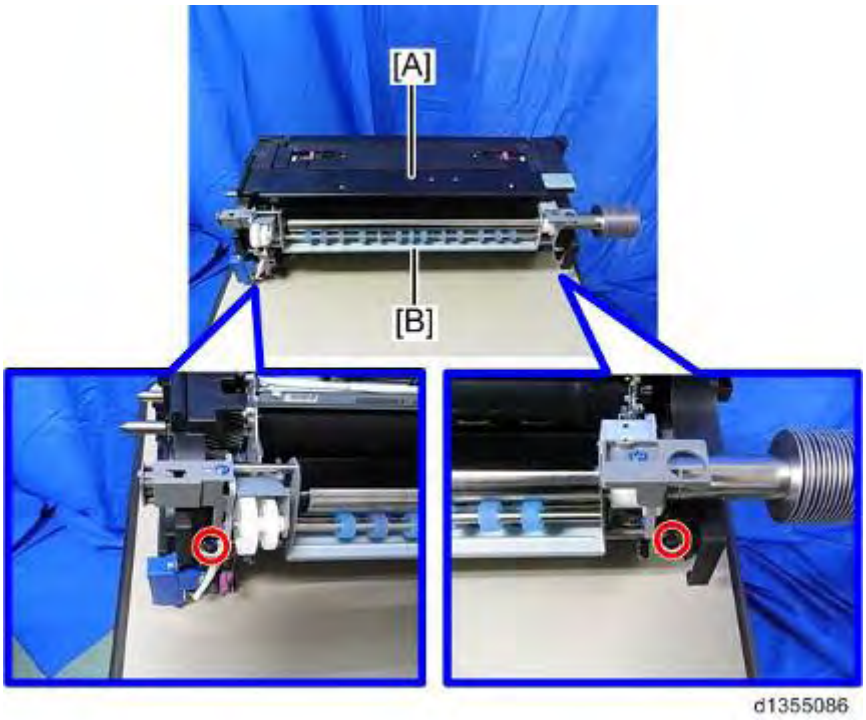
d1355132

7. Hold the handgrips to detach the fusing unit [A].

d1355133

4.16.3 FUSING HEAT PIPE

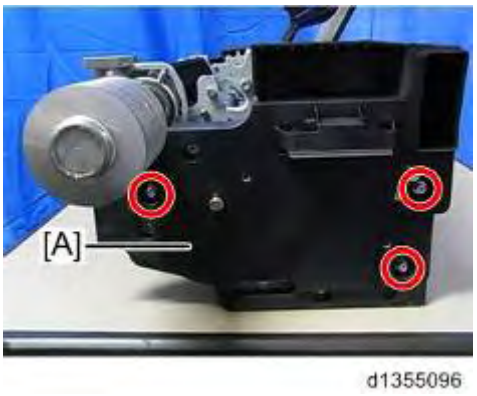
1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Open the cover [A] and then remove the fusing heat pipe unit [B]. (D x2)



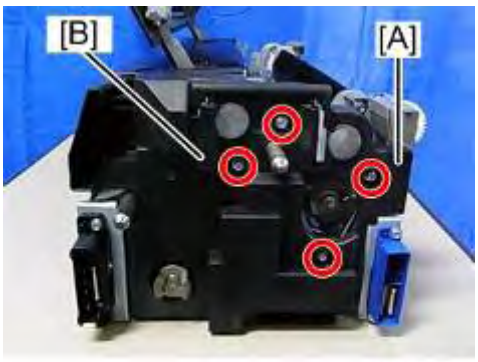
4.16.4 FUSING UNIT COVER

Fusing Front / Rear Cover

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Fusing Front Cover [A] (B x3)



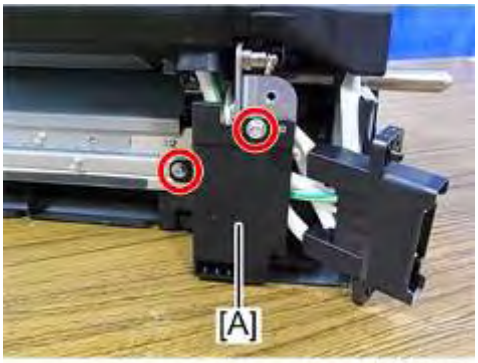
3. Fusing Rear Inner Cover [B] and Fusing Rear Cover [A]. (B x4)



d1355097

Entrance Drawer Cover

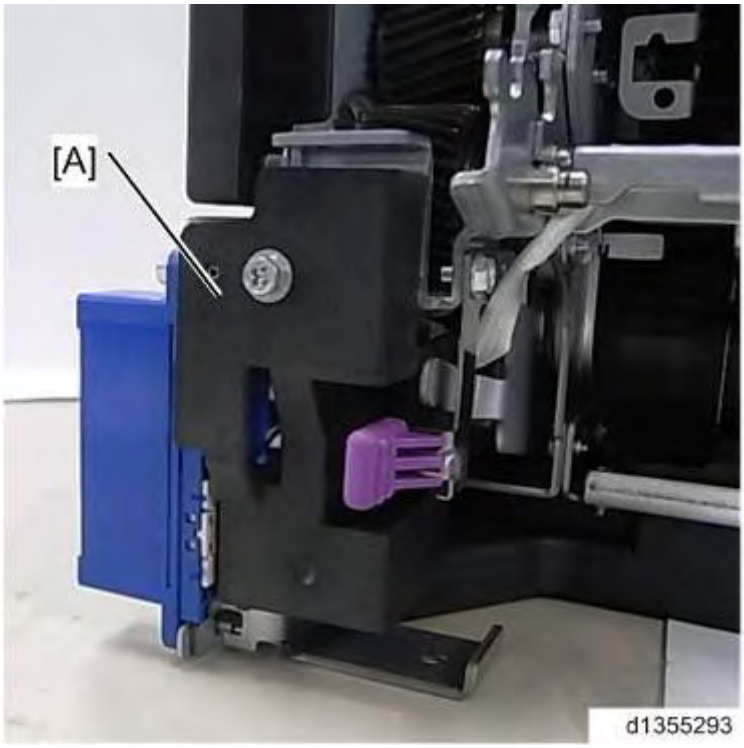
1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Entrance Drawar Cover [A] (B x2)



d1355202

Exit Drawer Cover

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Exit Drawer Cover [A] (B x2)

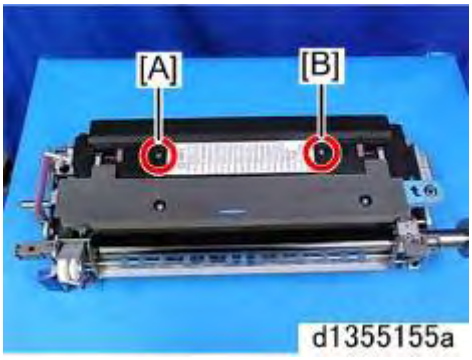


Fusing Upper Cover

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Fusing Upper Cover [A] (G x2, C x1)

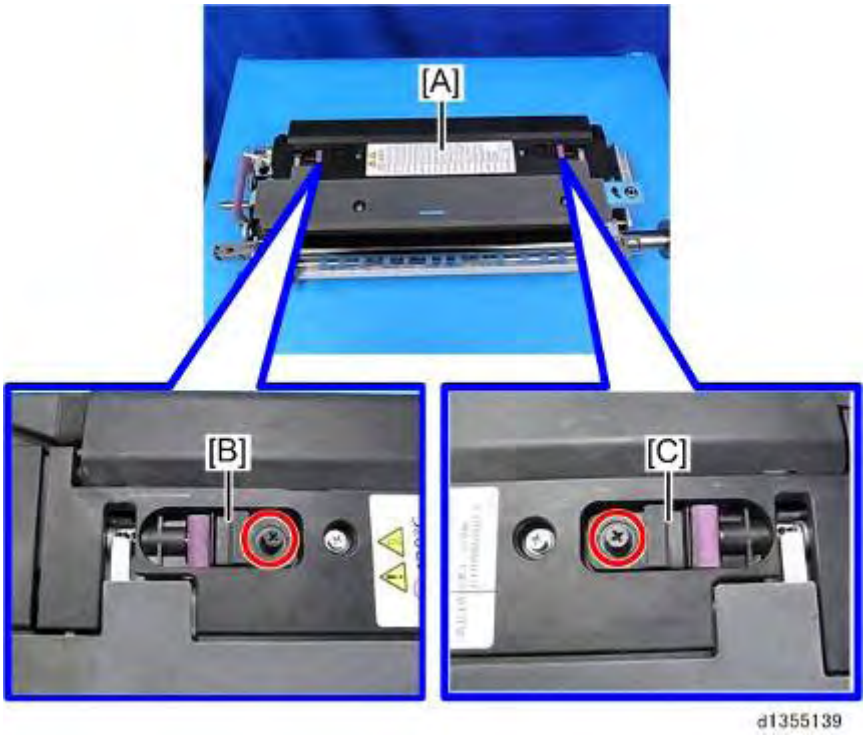
Note

- Two types of screws are used to fasten the fusing upper cover. Refer to the diagram below to check each screw location.
- In the diagram below, [A]:G(EXAGON HEAD BOLT WITH WASHER:M3X6), [B]:C(HEXAGONAL BOLT:W/WASHER:M3X8)



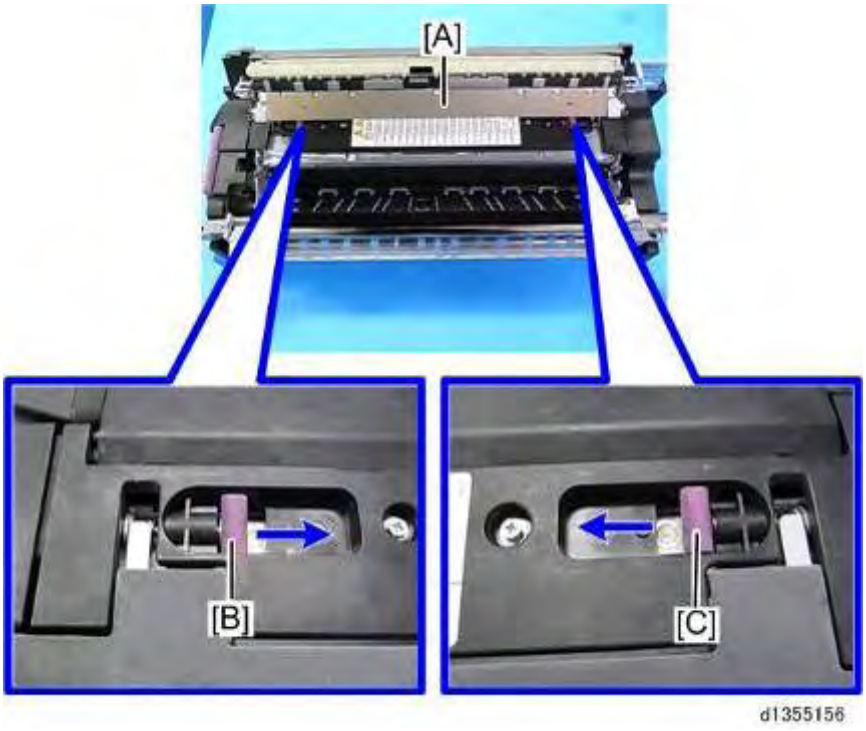
Separation Unit

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Stoppers [B], [C] on Fusing Upper Cover [A] (M×2)



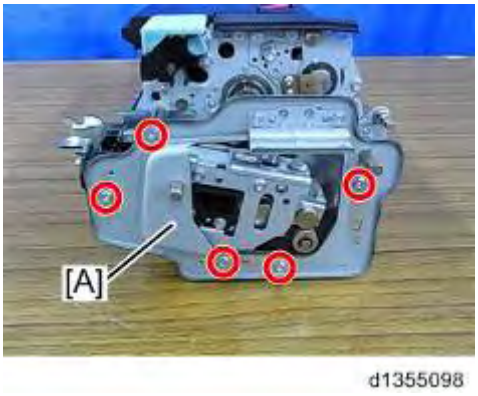
3. Open the separation unit [A].

4. Separation Unit [A] (slide pins [B] [C] on both sides as shown below)



4.16.5 FUSING UNIT PLATE

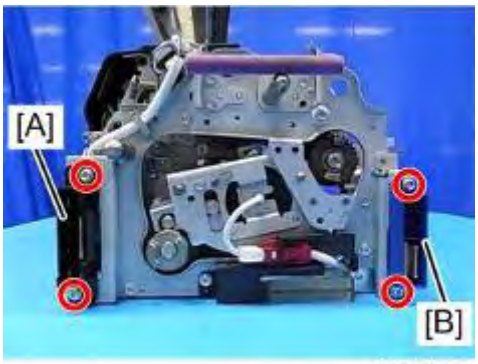
1. Fusing Front Cover, Fusing Rear Cover, Entrance Drawer Cover, Exit Entracne Drawer Cover (page 4-213 "Fusing Unit Cover")
2. Fusing Unit Plate [A] (A x5)



In Pro C5100S/Pro C5110, you also need to remove “A x1” shown below.

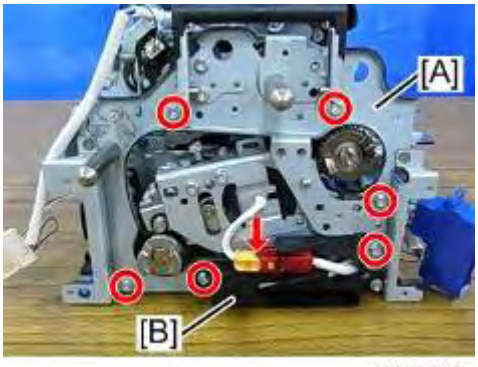
d1355204

3. Drawer Connector [A], [B] (E x4)



d1355099

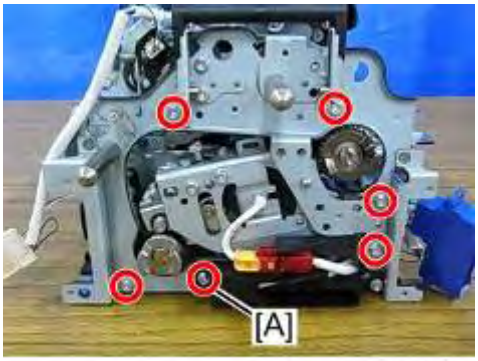
4. Rear plate [A] (A x5, B x1 x1, Harness Cover [B] x1)



d1355100

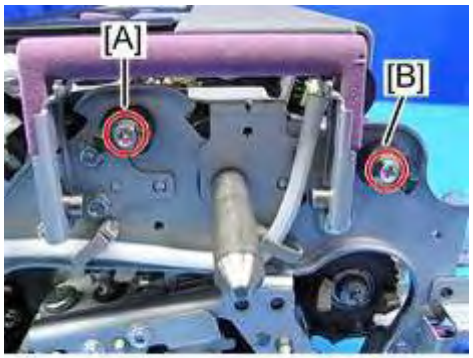
Note

- Only [A] is B (HEXAGONAL BOLT:W/WASHER:M3X8). The others are A (SCREW:M3X6) in the picture below.



d1355100a

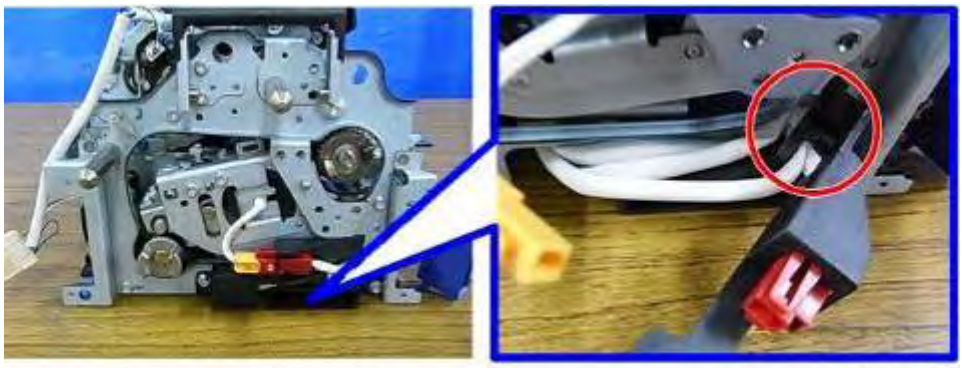
In Pro C5100S/Pro C5110, you also need to remove "A x2" and the couplings [A], [B] shown below.



d1355205

Note

- When re-attaching the harness cover, hook one of the harnesses on the tab (circled below) that is on the back of the harness cover as shown below.



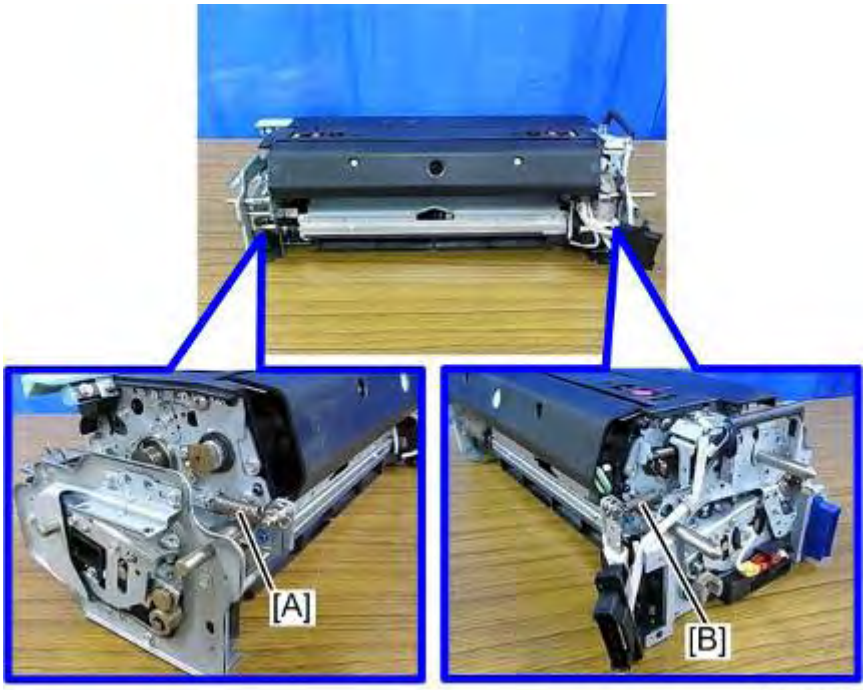
d1355203

4.16.6 IH COIL UNIT

1. Fusing Front Cover, Fusing Rear Cover, Drawer Cover (page 4-213 "Fusing Unit Cover")
2. Drawer Connector [A] (E x2)

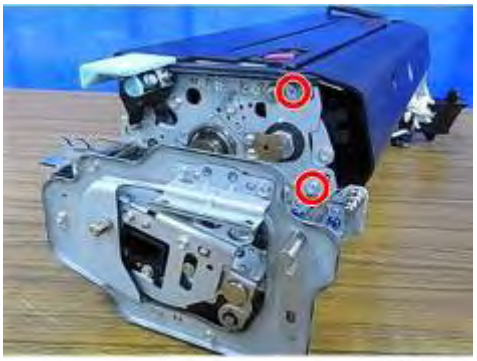
d1355088

3. Spring [A], [B]

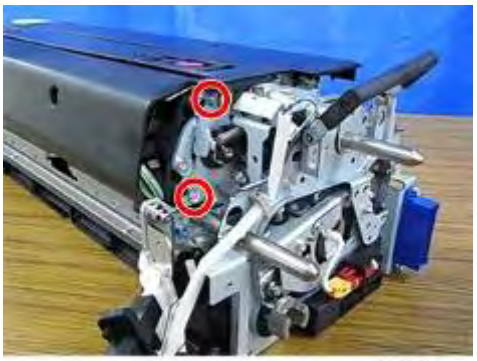


d1355101

4. A x2

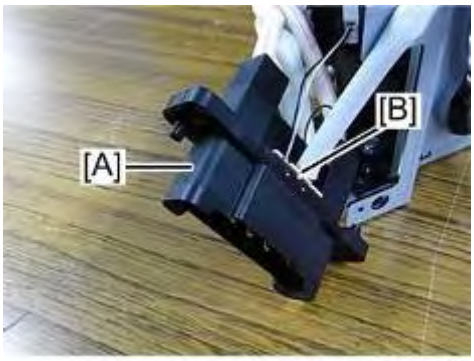

d1355103

5. F x2



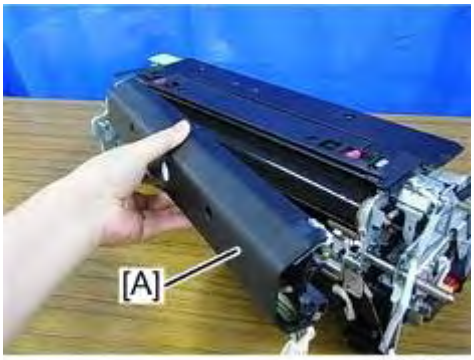
d1355102

6. Disconnect the drawer connector [A] and [B].



d1355104

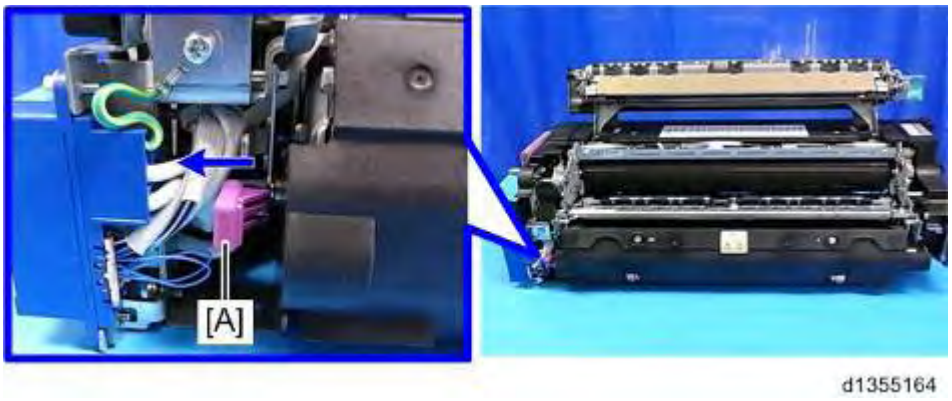
7. IH Coil Unit [A]



d1355105

4.16.7 FUSING CLEANING WEB UNIT (D137/D138 ONLY)

1. Fusing Heat Pipe (page 4-213 "Fusing Heat Pipe")
2. Push the stopper [A] on the left side of the fusing cleaning web unit in the arrow direction as shown below.



3. Raise the fusing cleaning web unit [A] as shown below to make it upright, and then remove it.

Note

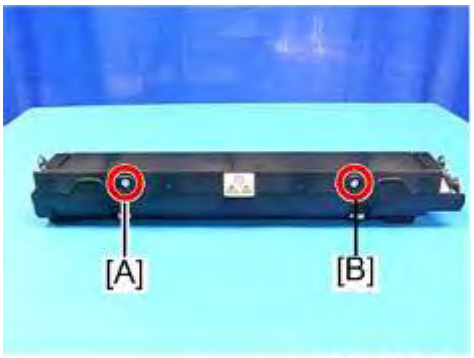
- The frame on the right side of the fusing cleaning web unit has a C-cut hole as shown below.

4.16.8 FUSING CLEANING WEB (D137/D138 ONLY)

1. Fusing Cleaning Web Unit (page 4-222 "Fusing Cleaning Web Unit (D137/D138 Only)")
2. Cover [A] (B x1, C x1)

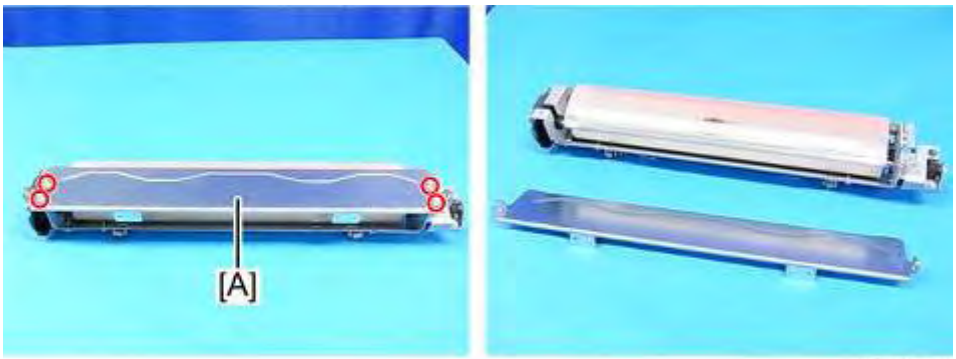
Note

- See the picture below to make sure which screw is used in which location.
- [A]: C (STEPPED SCREW:M3), [B]: B (HEXAGONAL BOLT:W/WASHER:M3X8)



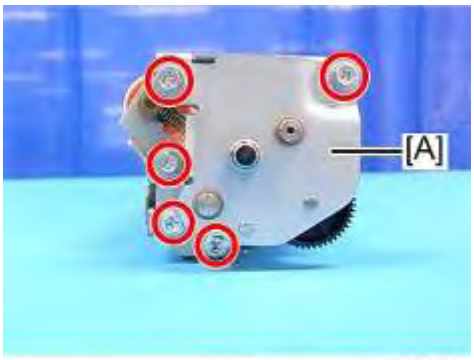
d1355167a

3. Bracket [A] (A x4)



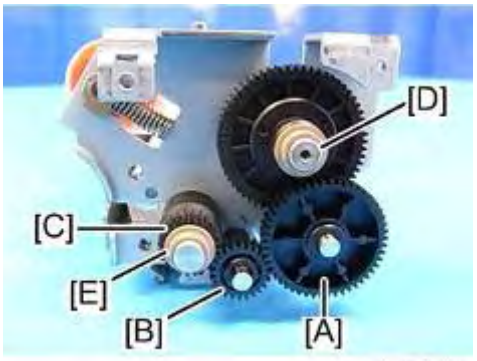
d1355169

4. Bracket [A] (A x3), and then the other screws (A x2).



d1355171

5. Gears [A], [B], [C] and Bearings [D], [E]



d1355172

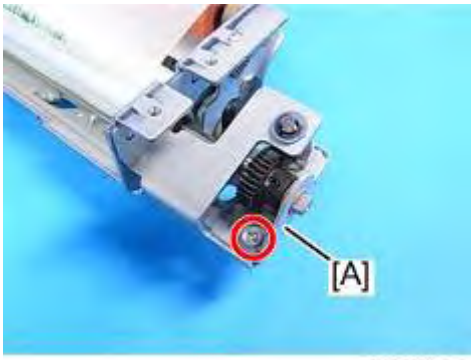
6. Gear [A] (x1) and Bearing [B] (x1)

d1355173

7. Bearing [A]

d1355174

8. Bracket [A] (A x1)

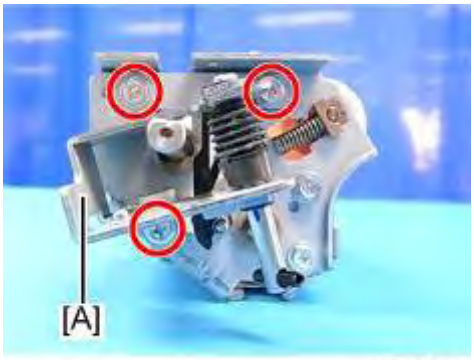


d1355175

9. Gear [A] (loosen Hexagonal Socket x1)

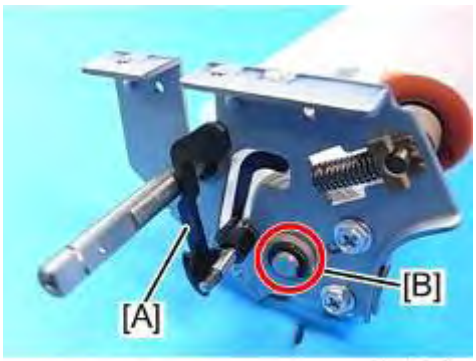
d1355176

10. Bracket [A] (A x3)



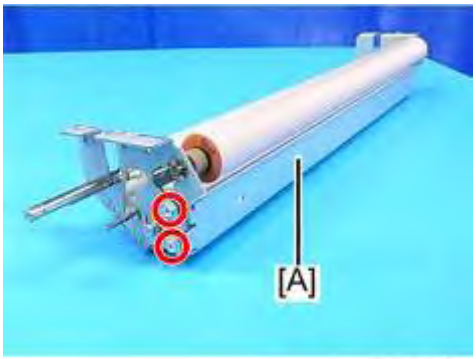
d1355177

11. Feeler [A] (Spring x1) and Bearing [B] (ℂ x1)



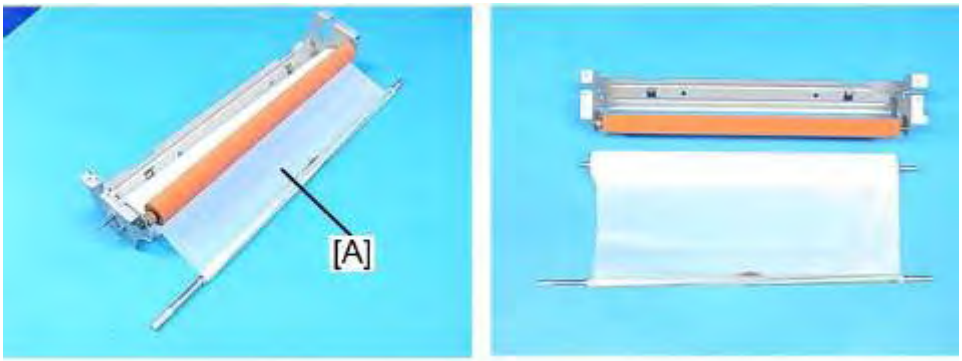
d1355178

12. Stay [A] (A x2)



d1355178

13. Fusing Cleaning Web [A]

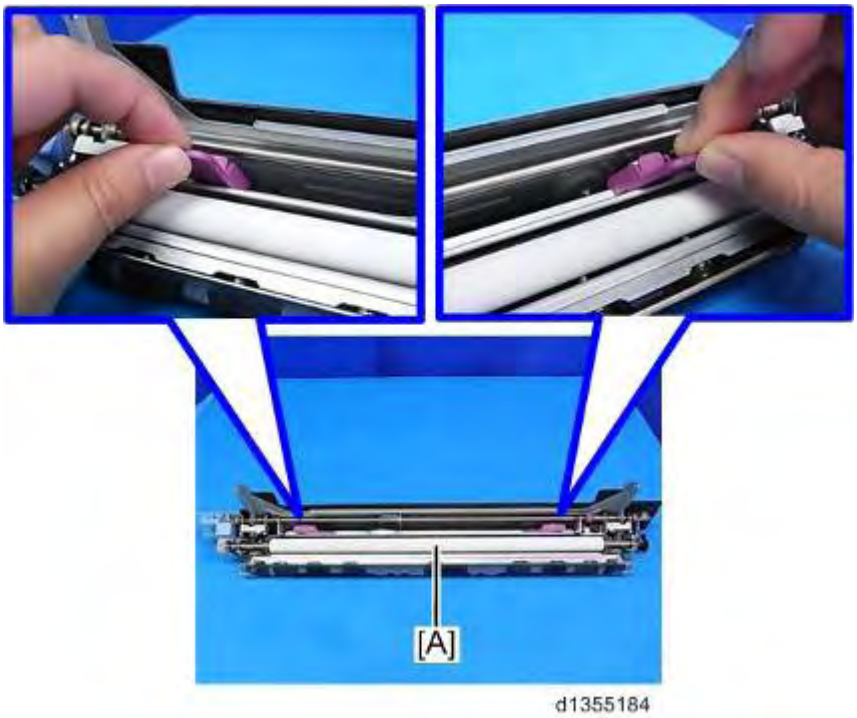


d1355181

4.16.9 FUSING BELT SMOOTHING ROLLER (D137/D138 ONLY)

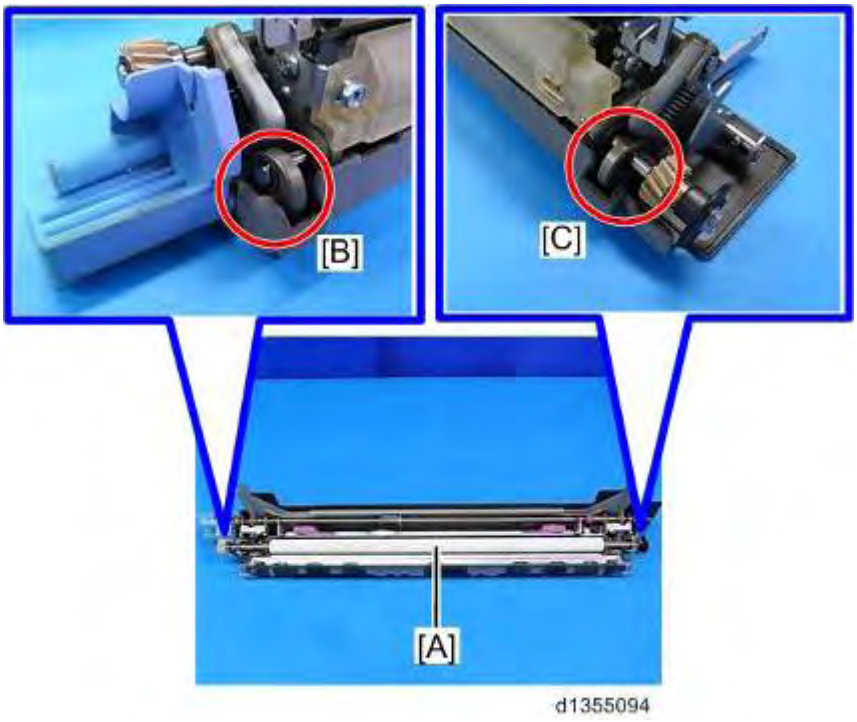
1. Separation Unit (page 4-213 "Fusing Unit Cover")
2. Remove the screw to release the stopper. (M x1)

3. Raise the finger grips of the fusing belt smoothing roller [A] to hold them, and then slide and remove the fusing belt smoothing roller [A].



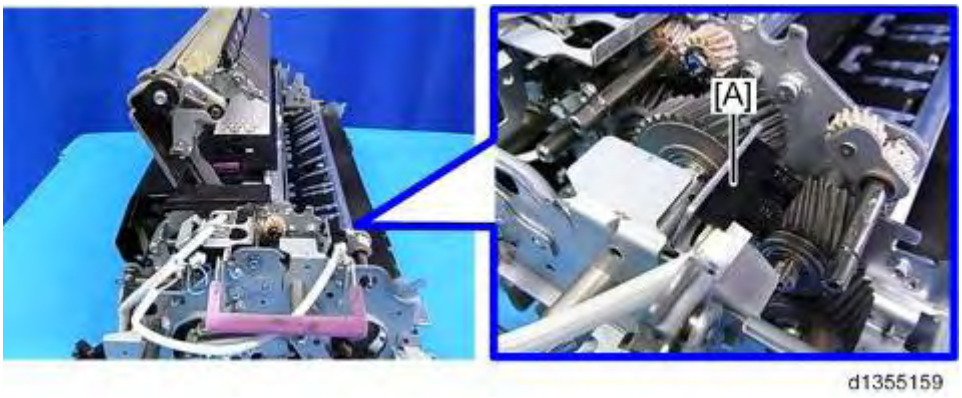
⚠CAUTION

- Do not touch the side cams [B] [C] of the fusing belt smoothing roller [A]. The rim of the cams is greased.



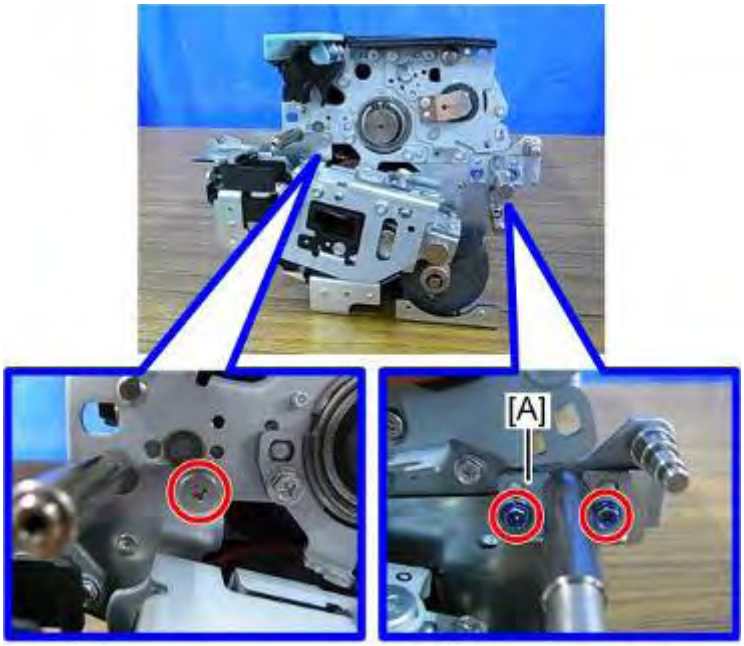
4.16.10 FUSING BELT SMOOTHING ROLLER CONTACT SENSOR (PRO C5100S/PRO C5110S)

1. Fusing Rear Cover (page 4-213 "Fusing Unit Cover")
2. Fusing Belt Smoothing Roller Contact Sensor [A] (Hook, x1)

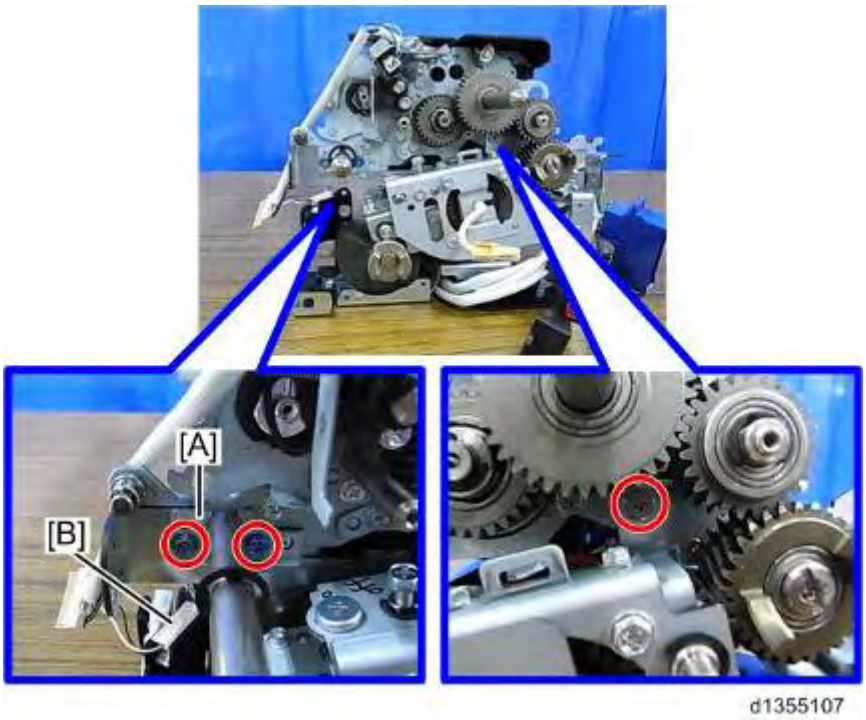


4.16.11 SEPARATING THE FUSING UNIT

1. Fusing Unit Plate (page 4-217 "Fusing Unit Plate")
2. “H x1”and Bracket [A] (I x2) on the front side



3. “H x1”, “I x2”, Bracket [A] on the rear side, and Connector [B]

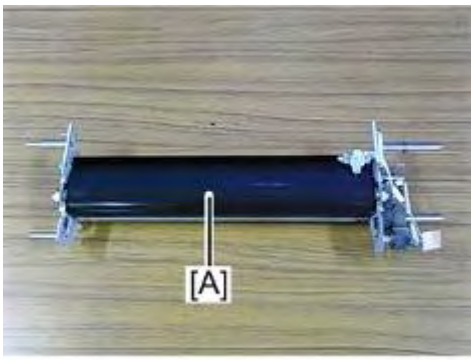


4. Separate the fusing unit into the upper part and the lower part.

d1355108

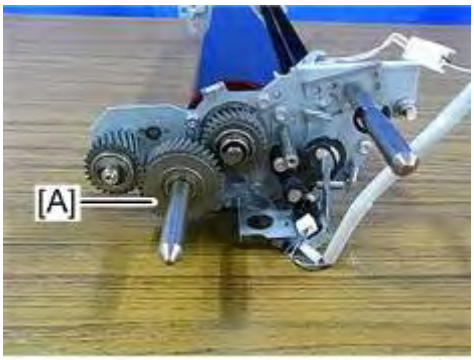
4.16.12 HEATING ROLLER, FUSING ROLLER, FUSING BELT

1. Separate the fusing unit into the upper part and the lower part. (page 4-229 "Separating the Fusing Unit")
2. Turn the upper part [A] over.



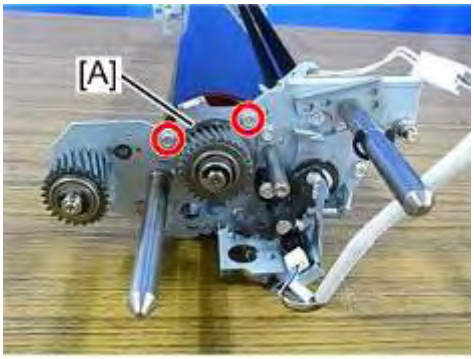
d1355113

3. Gear [A]



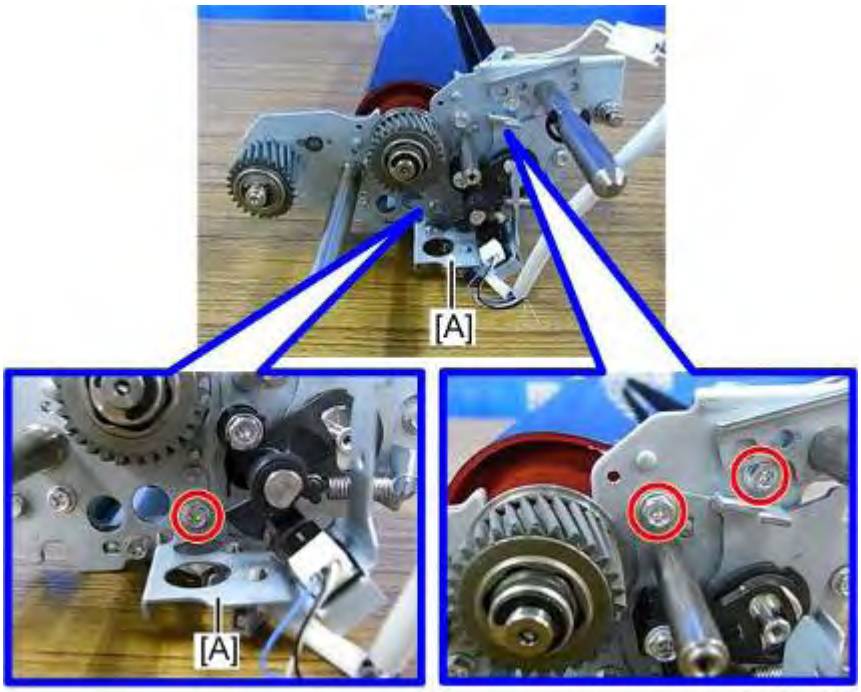
d1355114

4. Bracket [A] (A x2)



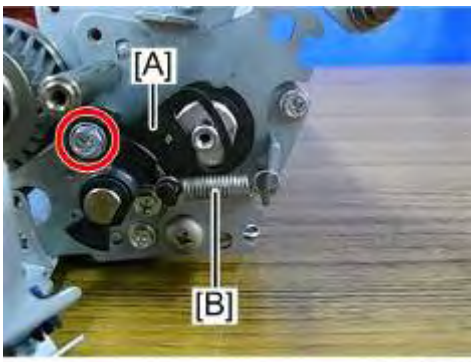
d1355115

5. “A x2 “and Bracket [A] (A x1)



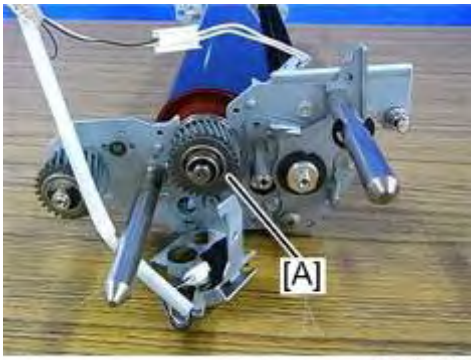
d1355116

6. Rotation Sensor [A] (A x1, Spring [B] x1)



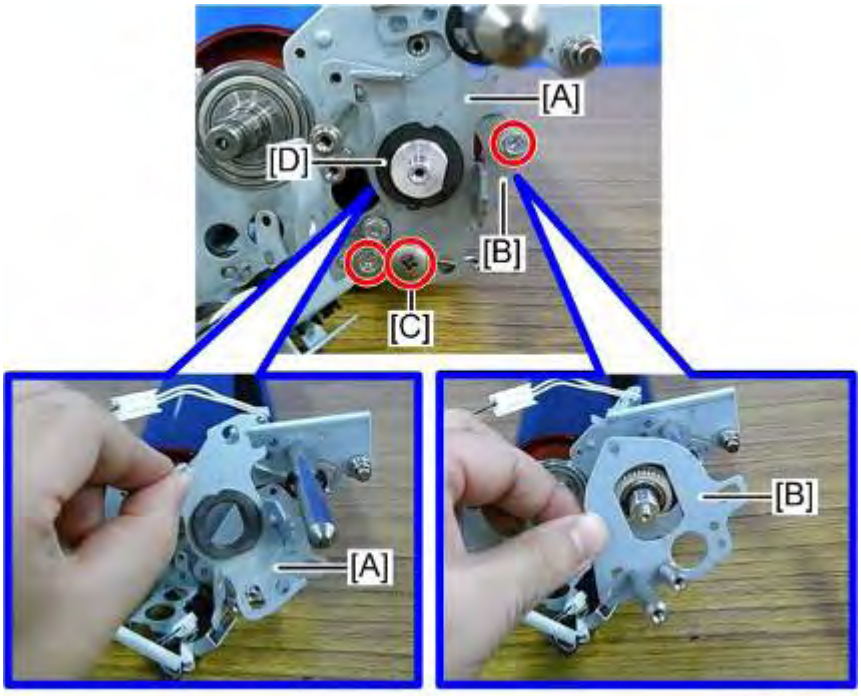
d1355117

7. Gear [A] (x1, Washer x1)



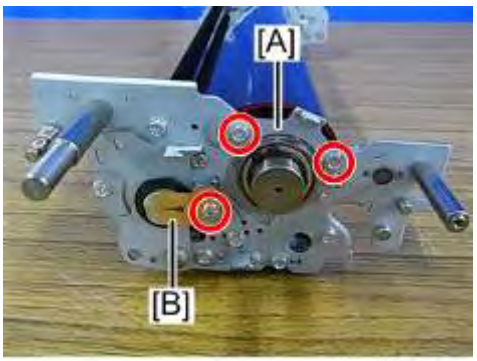
d1355206

8. Brackets [A], [B] (J [C] x1, C-ring [D] x1, A x2)



d1355118

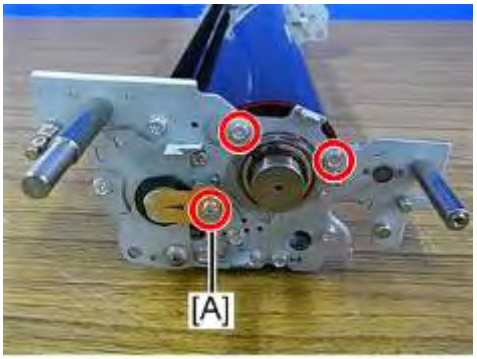
9. Bracket [A] on the front side, and Grounding Plate [B] (A x2, K x1)



d1355119

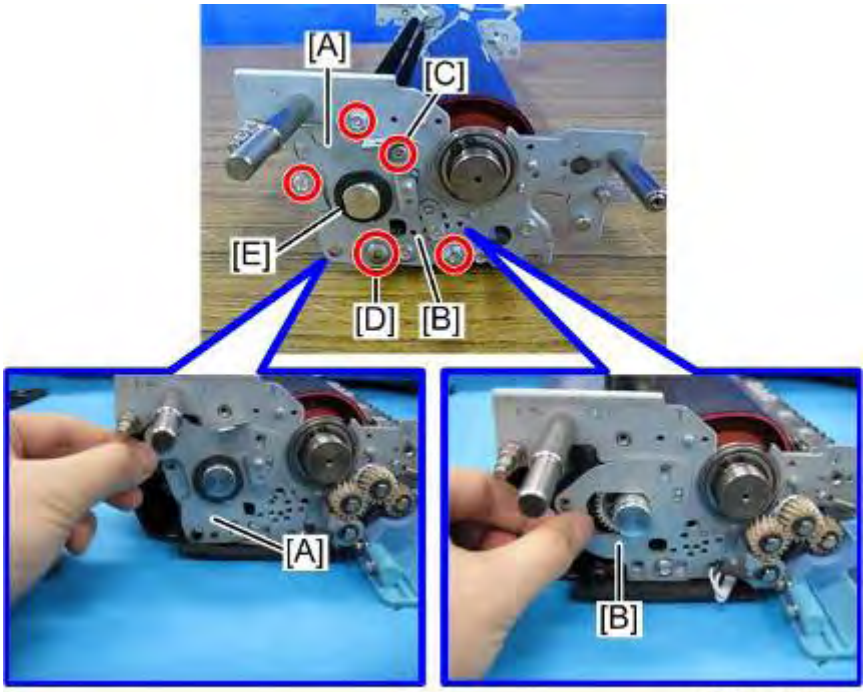
Note

- See the picture below to make sure which screw is used in which location.
- [A]:K (SCREW:M3X4), Others: A (SCREW:M3X6)



d1355119a

10. Bracket [A], [B] (L [C] x1, J [D] x1 , A x3, C-ring [E] x1)

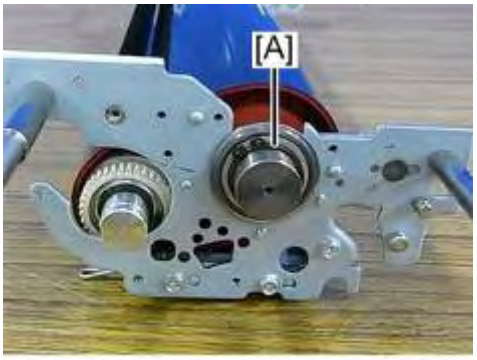


d1355120a

Note

- Detach the bracket [A] and then the bracket [B].

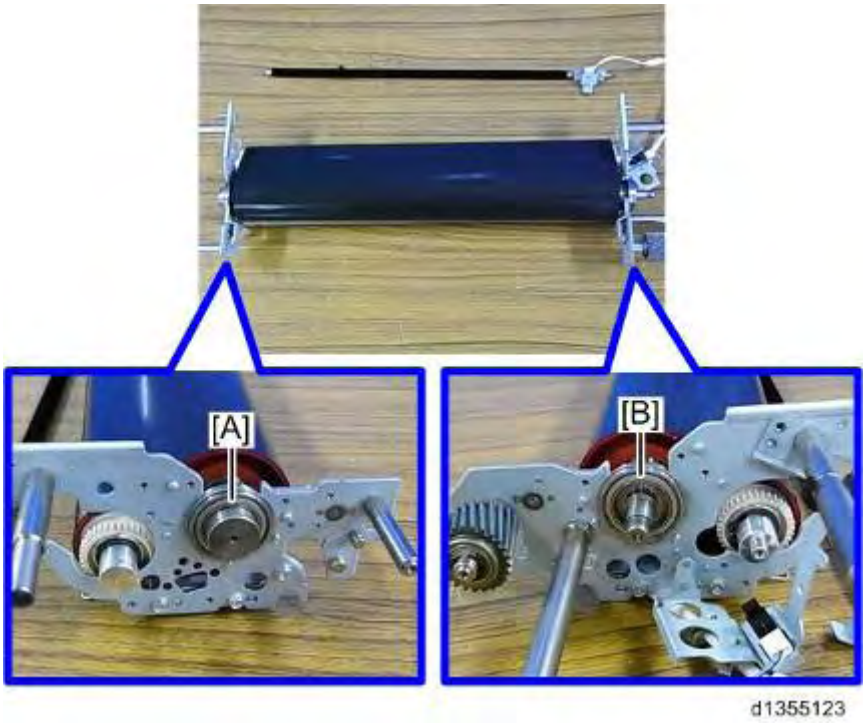
11. C-ring [A] x1



d1355121

12. Entrance Stay [A]

13. Detach the fusing belt unit from both side-frames. (Bearings [A], [B])



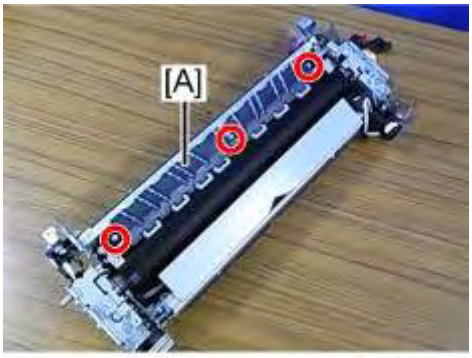
14. Detach the hot roller [A] and the heating roller [B] from the fusing belt [C].

Note

- When you detach the rollers and the belt from the frame, hold the ends of the hot roller shaft to lift it. Then move it above the heating roller to detach the whole thing (hot/heating rollers and fusing belt).

4.16.13 PRESSURE ROLLER STRIPPER PLATE

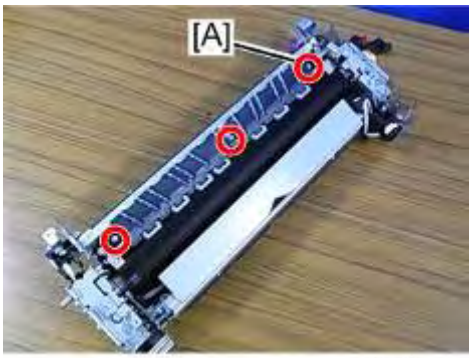
1. Separate the fusing unit into the upper part and the lower part (page 4-229 "Separating the Fusing Unit")
2. Pressure Roller Stripper Guide Plate [A] (C x2, B x1)



d1355134

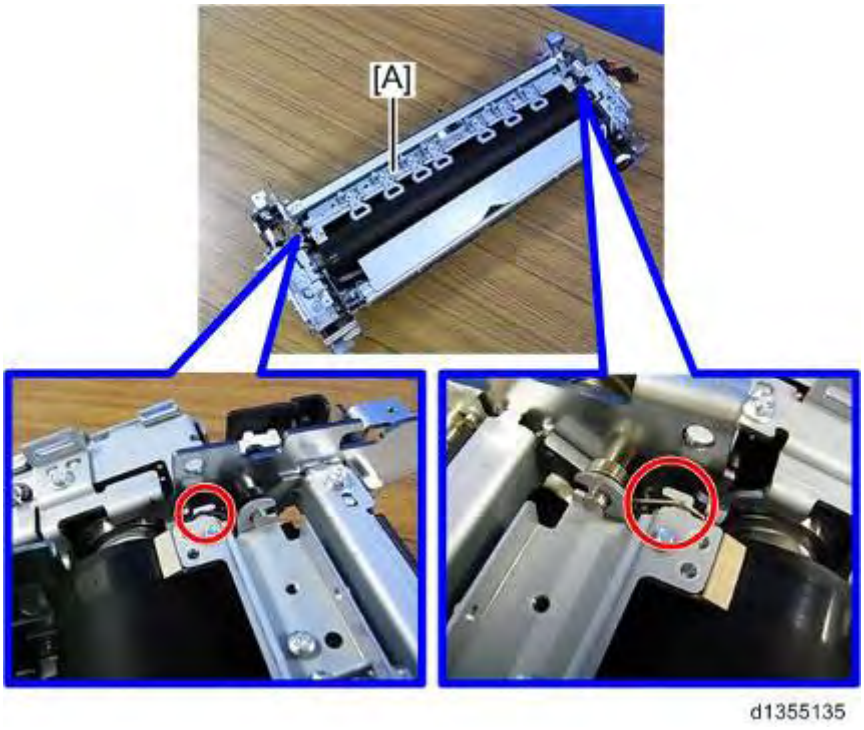
Note

- See the picture below to make sure which screw is used in which location.
- [A]:B (HEXAGONAL BOLT:W/WASHER:M3X8), Others: C (STEPPED SCREW:M3)

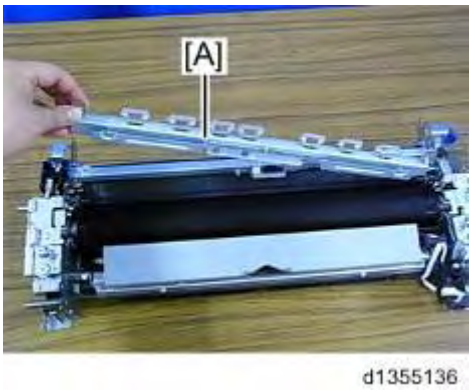


d1355134a

3. Release the springs on both sides of the pressure roller stripper plate [A].



4. Raise and make the pressure roller stripper plate [A] upright to remove it.



Note

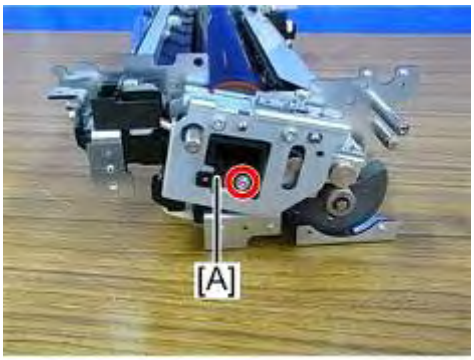
- The frame of the pressure roller stripper plate has C-cut holes.

4.16.14 FUSING LAMP

Note

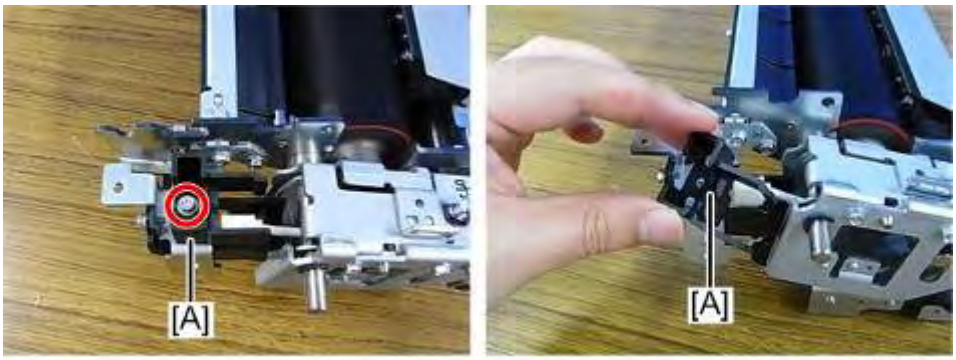
- In the procedure pictures below, the fusing unit is separated. But you need only to remove the fusing unit plate to remove or install the fusing lamp.

1. Fusing Front Cover (page 4-213 "Fusing Unit Cover")
2. Harness Guide [A] (B x1)



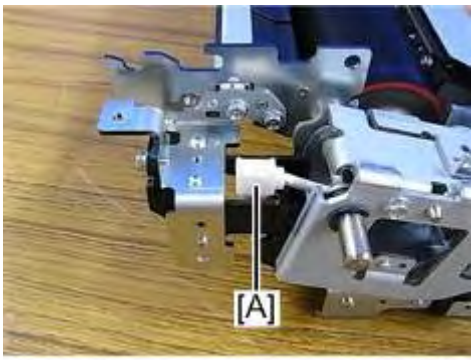
d1355137

3. Harness Guide [A] (B x1)



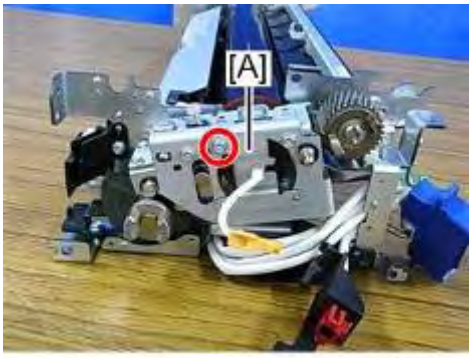
d1355138

4. [A] x1



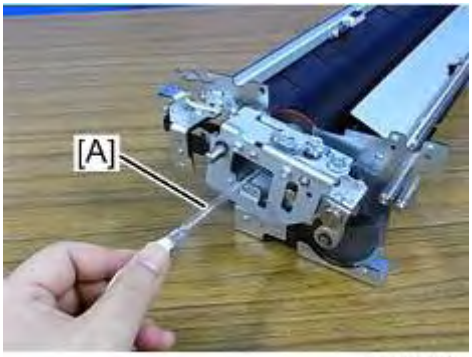
d1355140

5. Bracket [A] (A x1)



d1355141

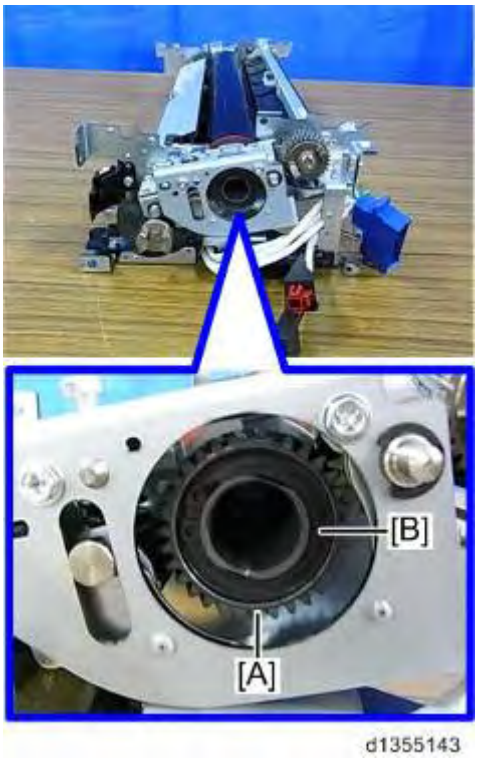
6. Fusing Lamp [A]



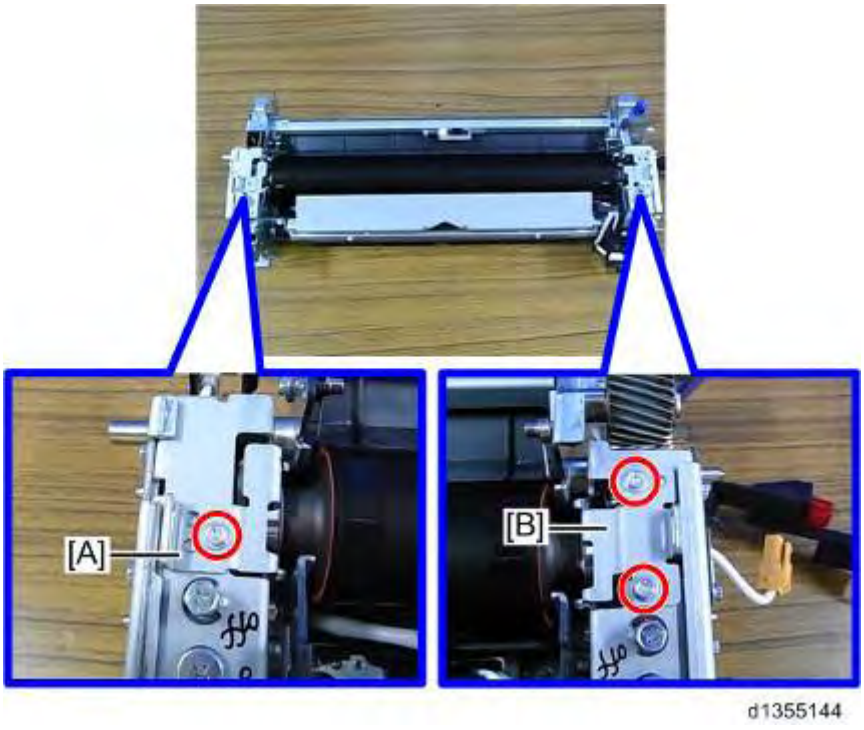
d1355142

4.16.15 PRESSURE ROLLER

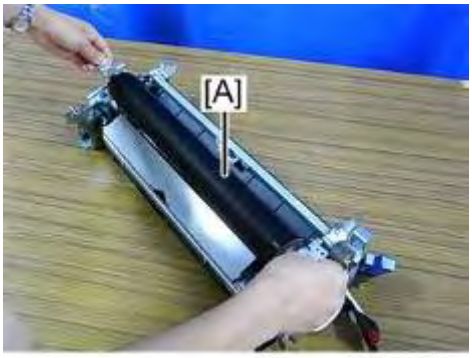
1. Separate the fusing unit into the upper part and the lower part. (page 4-229 "Separating the Fusing Unit")
2. Fusing Lamp (page 4-237 "Fusing Lamp")
3. Gear [A] (C-ring [B] x1)



4. Detach the pressure roller fixing plates [A], [B] from the lower part. (A x3)

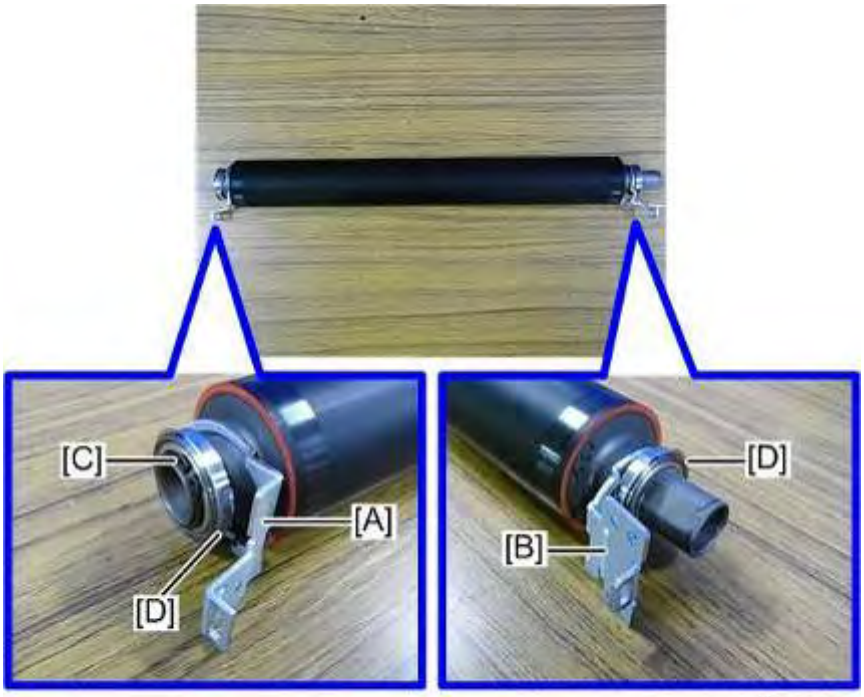


5. Pressure Roller [A]



d1355145

6. Pressure Roller Fixing Plates [A], [B] (C-ring [C] x1, Bearing [D] x2)



d1355146

Note

- When re-installing the bearings on the pressure roller, pay attention to the direction of the bearings [A] (the brimmed part comes to the outside) as shown below (**Diagram 1**).
- When re-installing the pressure roller on the fusing unit frame, be sure to make the brimmed parts [A] of the bearings come to the outside of the frame [B] as shown below (**Diagram 2**).

Diagram 1

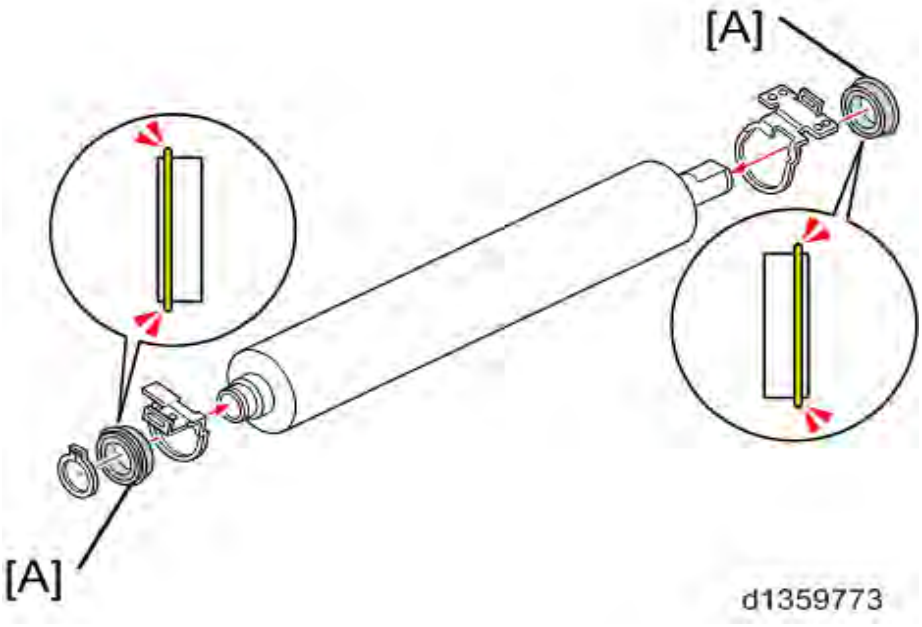
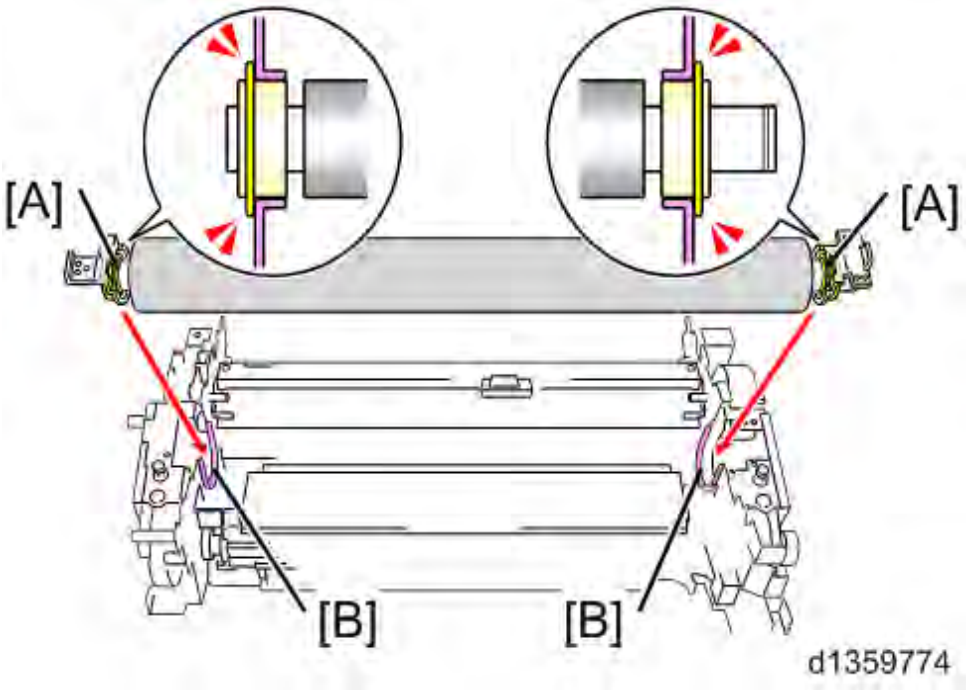
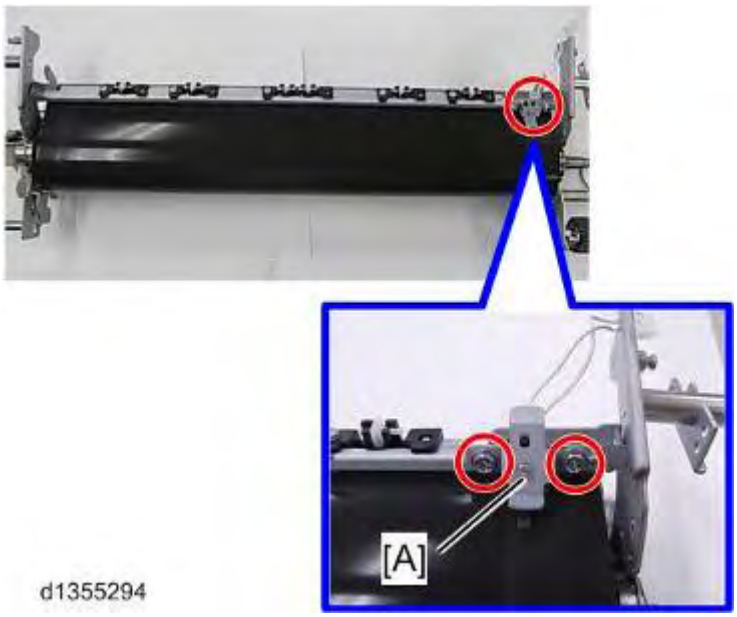


Diagram 2

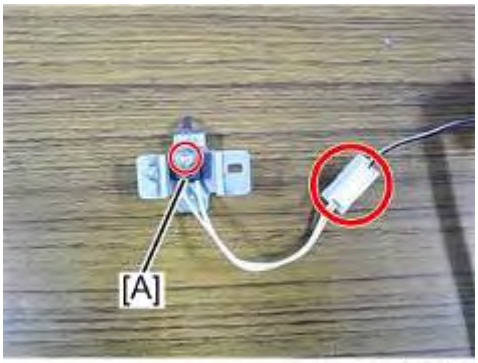


4.16.16 THERMISTOR (FUSING BELT)

1. Separate the fusing unit into the upper part and the lower part. (page 4-229 "Separating the Fusing Unit")
2. Bracket with Thermistor [A] (A x2)

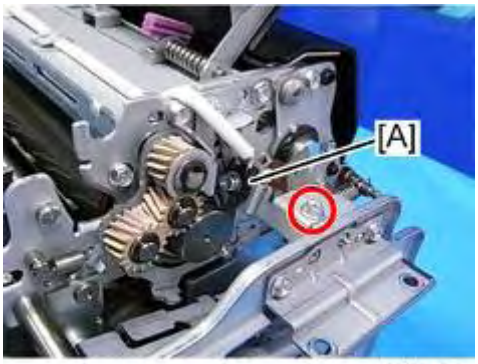


3. Thermistor (Fusing Belt) [A] (E x1, x1)



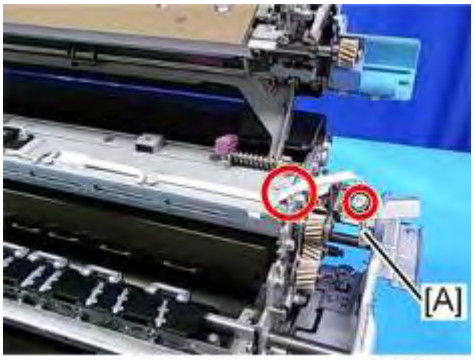
4.16.17 THERMISTOR (HOT ROLLER SHAFT)

1. Fusing Front Cover, Fusing Upper Cover (page 4-213 "Fusing Unit Cover")
2. Bracket with Thermistor (Hot Roller Shaft) [A] (A x1)



d1355162

3. Thermistor (Hot Roller Shaft) [A] (E x1, x1)



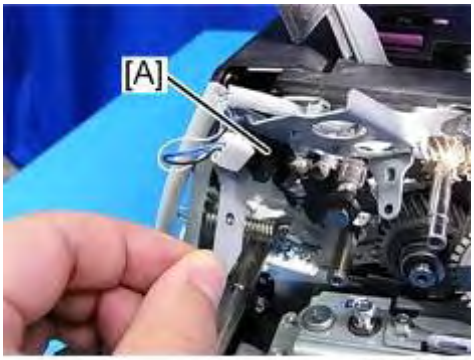
d1355163

4.16.18 HEATING ROLLER ROTATION SENSOR

1. Fusing Rear Cover (page 4-213 "Fusing Unit Cover")
2. Fusing Unit Plate (page 4-217 "Fusing Unit Plate")
3. Bracket with Heating Roller Rotation Sensor [A] (A x1)

d1355160

4. Heating Roller Rotation Sensor [A] (Hook, x1)



d1355161

4.16.19 PRESSURE ROLLER SENSOR (REAR)

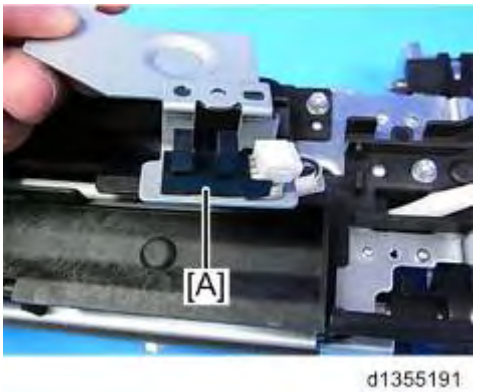
1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Turn the lower part [A] over.

d1355180

3. Bracket [A] with Pressure Roller Sensor (Rear) (A x1)

d1355190

4. Detach the fusing pressure roller sensor (rear) [A] from the bracket. (Hook, x1)



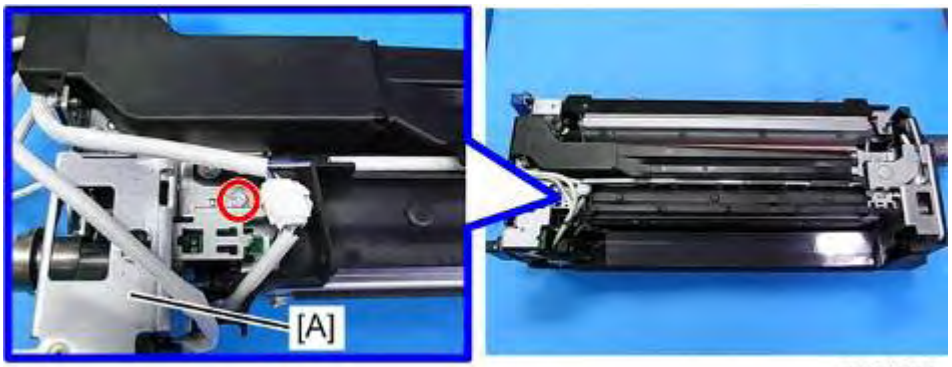
d1355191

4.16.20 PRESSURE ROLLER SENSOR (FRONT)

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Turn the lower part [A] over.

d1355180

3. Bracket [A] with Pressure Roller Sensor (Front) (A x1)



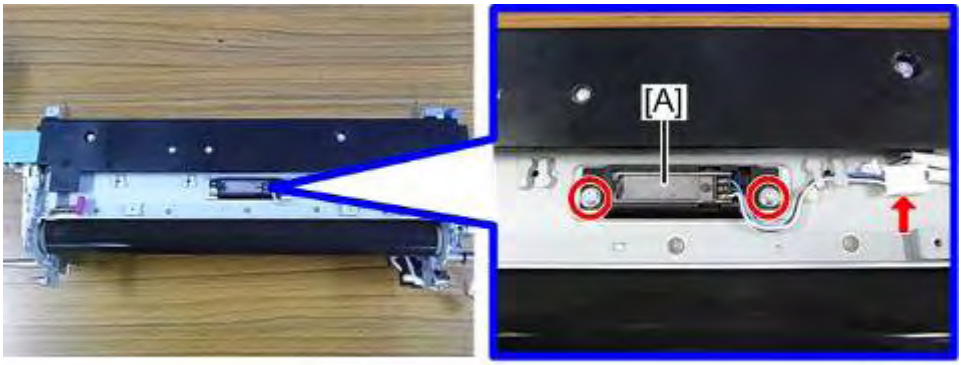
d1355188

4. Detach the pressure roller sensor (front) from the bracket. (Hook, x1)

d1355189

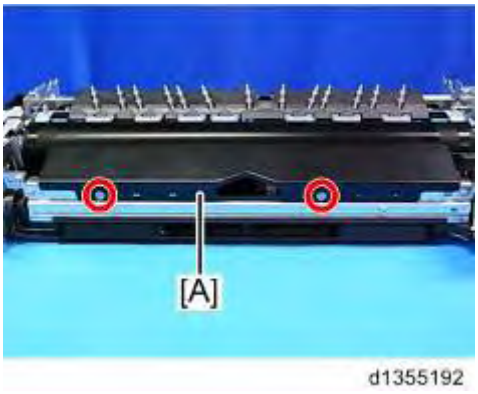
4.16.21 HOT ROLLER NC SENSOR

1. Fusing Upper Cover (page 4-213 "Fusing Unit Cover")
2. Hot Roller NC Sensor [A] (G x2, x1)



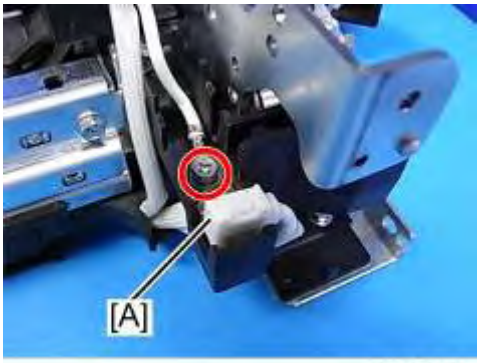
4.16.22 THERMOPILE (PRESSURE ROLLER)

1. Separate the fusing unit into the upper part and the lower part. (page 4-229 "Separating the Fusing Unit")
2. Bracket [A] (A x2)



3. Harness Guide Cover [A] (B x1)

4. Grounding Wire (B x1 [A] x 1)

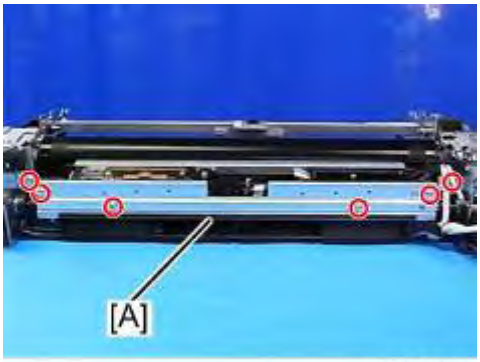


d1355194

5. Harness Guide [A] (B x1)

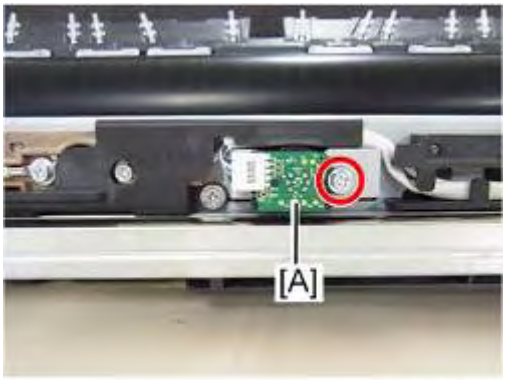
d1355195

6. Bracket [A] (A x6)



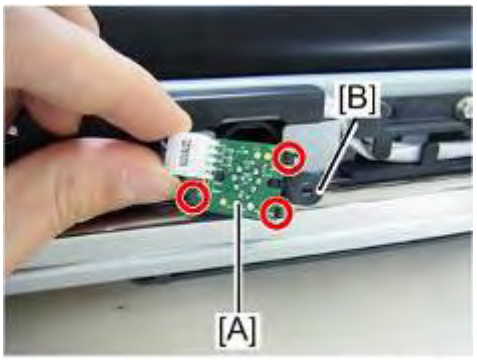
d1355196

7. Bracket [A] with Thermopile (B x1)



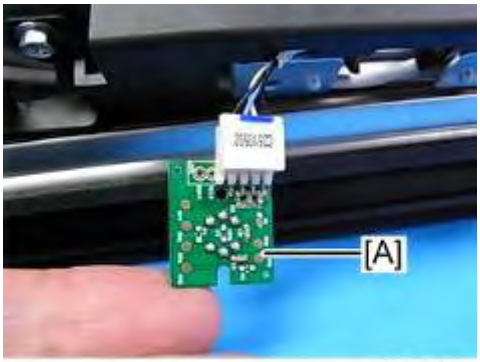
d1355197

8. Thermopile Cover [A] (Hook x3)



d1355198

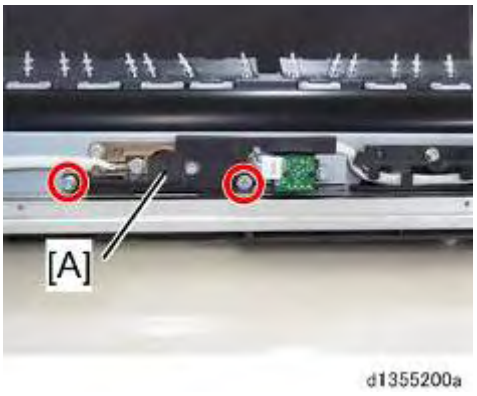
9. Thermopile [A] (x1)



d1355199

4.16.23 THERMOSTAT (PRESSURE ROLLER)

1. Separate the fusing unit into the upper part and the lower part. (page 4-229 "Separating the Fusing Unit")
2. See “Thermopile (Pressure Roller) Steps 1 to 7”. (page 4-246 "Thermopile (Pressure Roller)")
3. Harness Guide [A] (G x1, C x1)

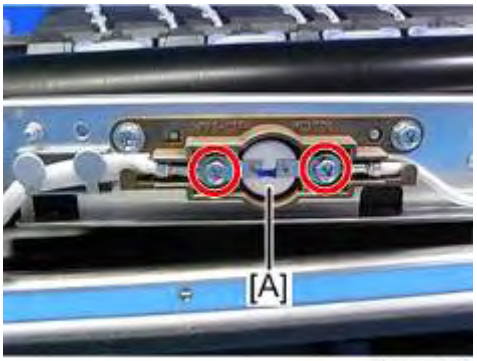


d1355200a

Note

- The left side screw is G(HEXAGON HEAD BOLT WITH WASHER:M3X6), the right side screw is C(STEPPED SCREW:M3) in the picture above.

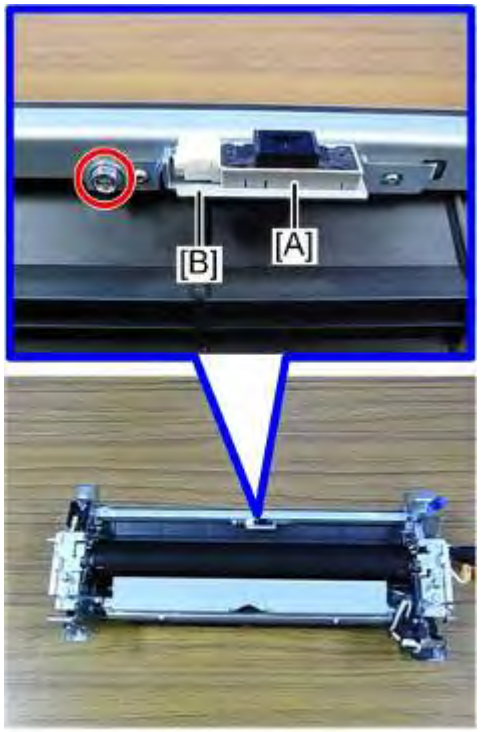
4. Themostat (Pressure Roller) [A] (B x2)



d1355201

⇒ 4.16.24 FUSING PAPER FEED SENSOR

1. Separate the Fusing Unit into the upper part and the lower part (page 4-229 "Separating the Fusing Unit").
2. Remove the Pressure Roller Stripper Plate (page 4-235 "Pressure Roller Stripper Plate")
3. Remove the Fusing Paper Feed Sensor [A] from the bracket [B]. (x1)
4. Disconnect the connector to remove the Fusing Paper Feed Sensor [C] (x1)



d1355152

d1355153

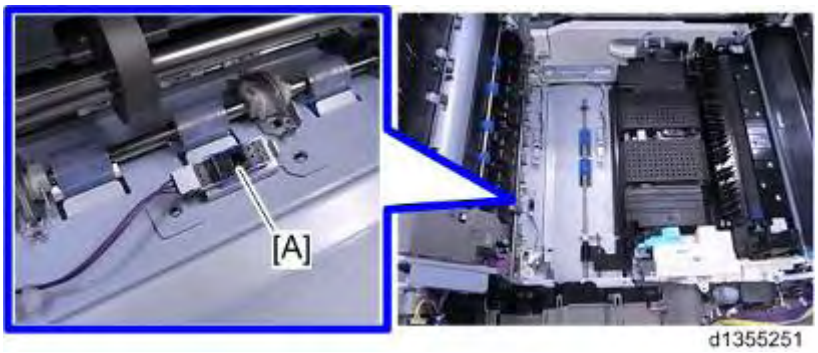
Adjustment After Replacing The Fusing Paper Feed Sensor

Do the following procedure after replacing the Fusing Paper Feed Sensor.

1. Make sure the entire paper path is clear of paper.
2. Close the Drawer Unit and Front Right Cover.
3. Do SP1-134-001.
4. Confirm the value in SP1-134-002 is between 200 and 400.
5. Reboot.

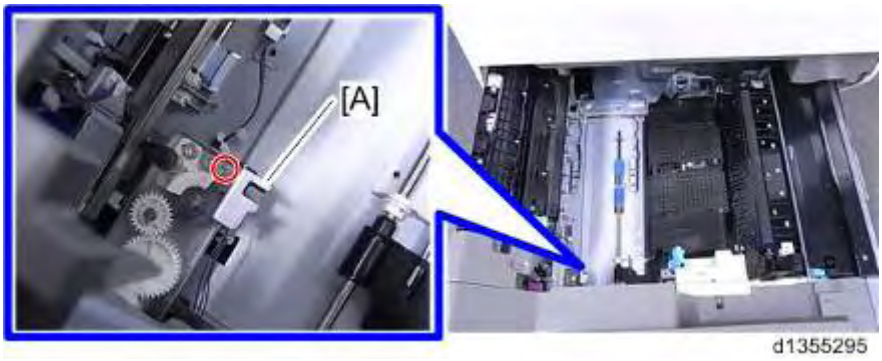
4.16.25 CLEANING WEB SET SENSOR

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Cleaning Web Set Sensor [A] (x1, Hook)



4.16.26 CLEANING WEB END SENSOR

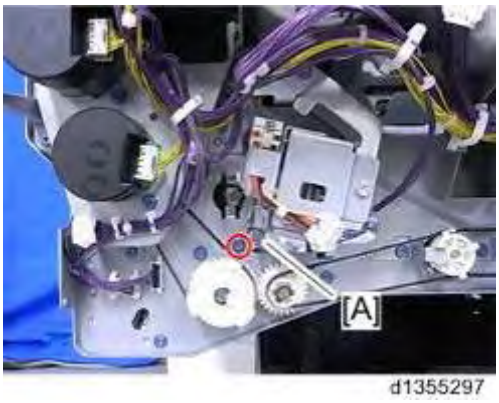
1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Bracket [A] with Cleaning Web End Sensor (x1)



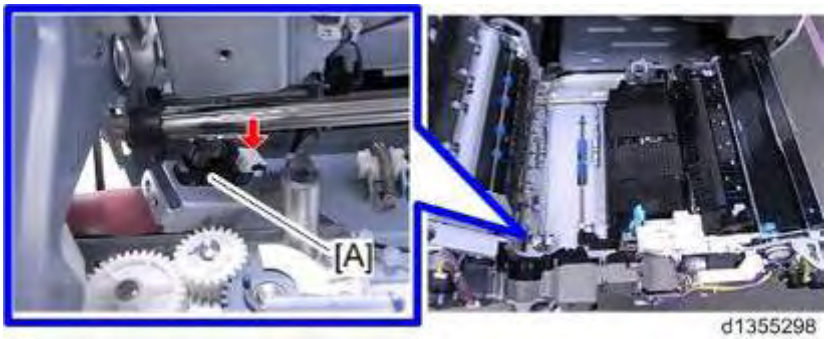
3. Cleaning Web End Sensor [A] (x1, Hook)

4.16.27 CLEANING WEB CONTACT SENSOR

1. Fusing Unit (page 4-211 "Removing the Fusing Unit")
2. Bracket [A] with Cleaning Web Contact Sensor (x1)



3. Cleaning Web Contact Sensor [A] (x1, Hook)



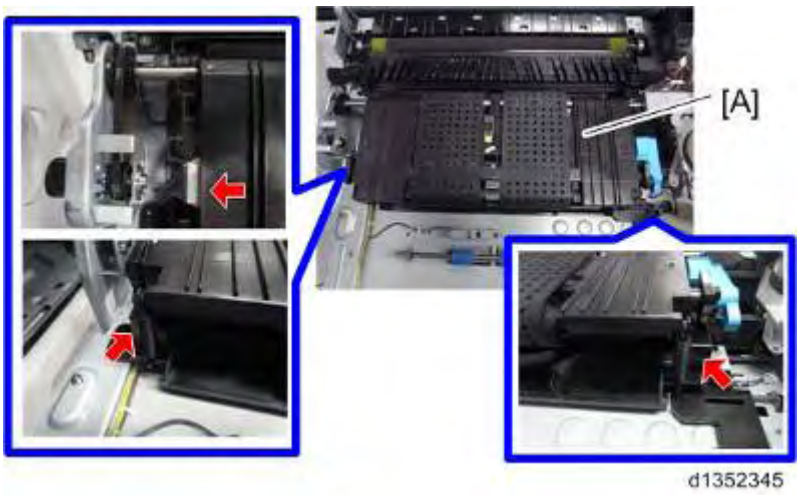
4.17 PAPER TRANSPORT BELT UNIT

To replace the paper transport belt unit, first remove the fusing unit. (☛ page 4-211)

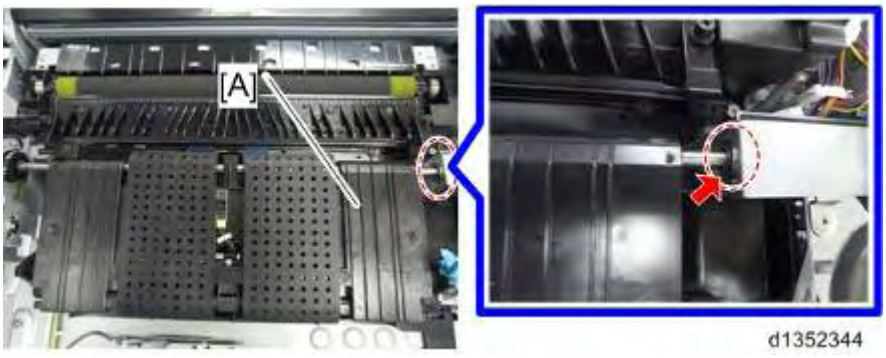
4.17.1 PAPER TRANSPORT BELT UNIT

1. Inner cover [A] (x 2)

2. Remove the springs and connector from the paper transport belt unit [A] (spring x 2, x 1).

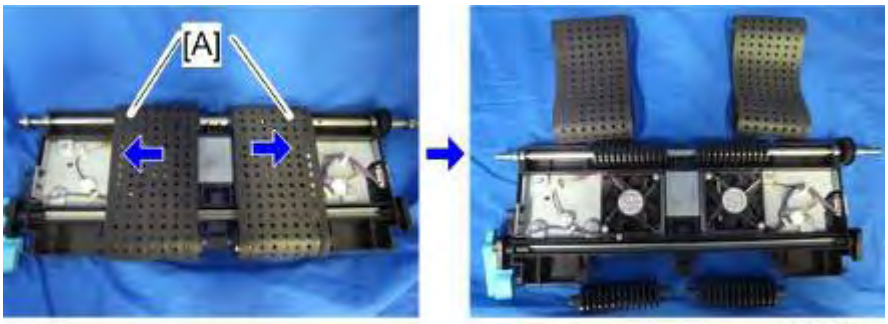


3. Paper transport belt unit [A] (x 1)



4.17.2 PAPER TRANSPORT BELT

1. Paper transport belt unit (☛ page 4-253)
2. Slide the paper transport belt [A] (x 2) to the left or right.



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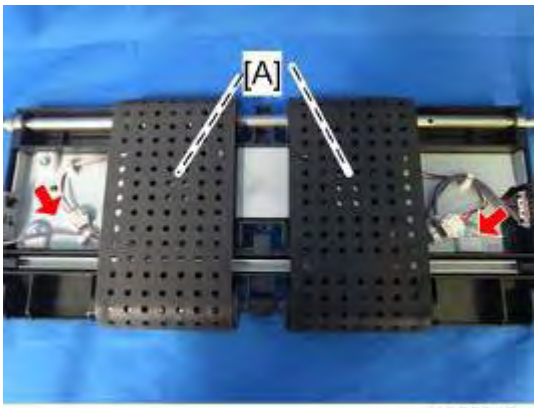
4.17.3 PTB FANS

1. Paper transport belt unit (☛ page 4-253)
2. Disconnect the connectors of the PTB fans (x 1 each).



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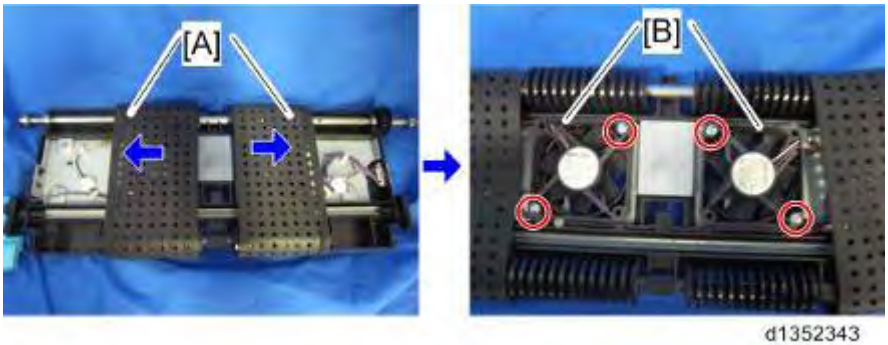
3. After sliding the paper transport belts [A] to the left or right, remove the PTB fans [B] (x 2 each).



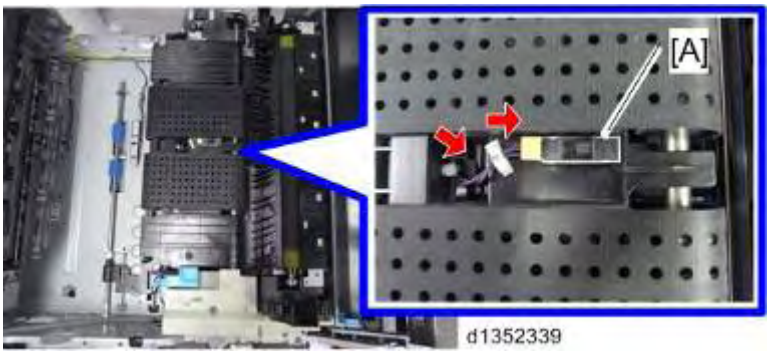
d1352343

4.17.4 PTB SENSOR

1. Paper transport belt unit (☛ page 4-253)
2. PTB sensor [A] (🔧 x 1)

4.17.5 PTB UNIT SET SENSOR

1. Paper transport belt unit (☛ page 4-253)
2. PTB unit set sensor [A] (🔧 x 1, 🔧 x 1)



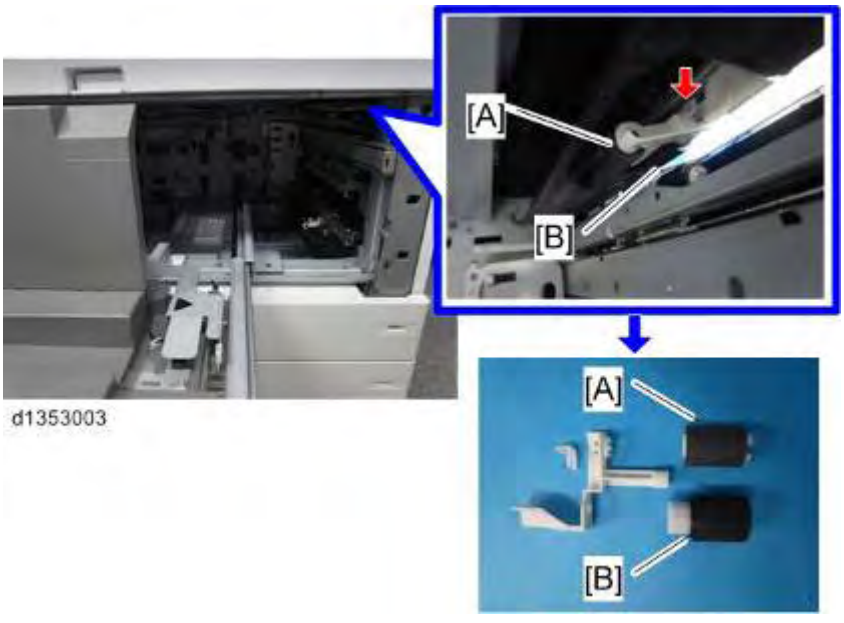
4.18 TANDEM TRAY

4.18.1 FEED ROLLER, PICK-UP ROLLER AND SEPARATION ROLLER

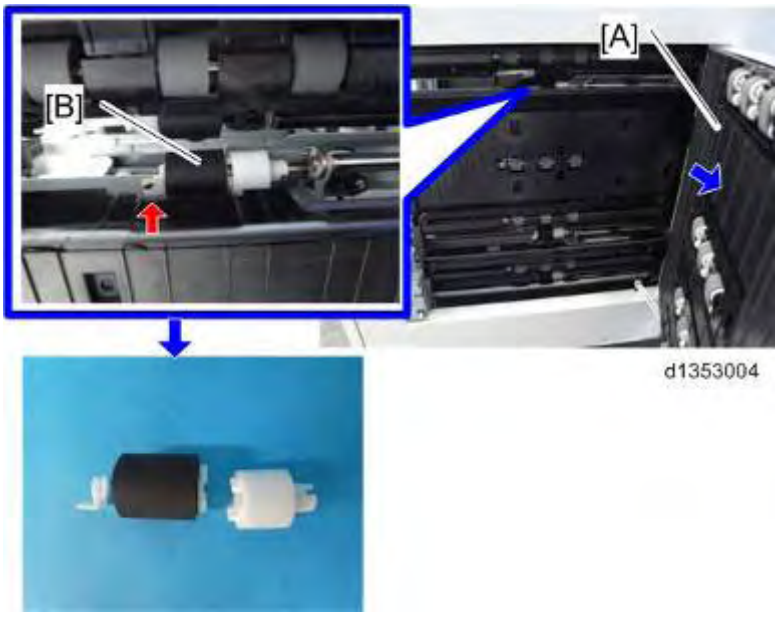
1. Pull out paper tray 1 [A].

2. Right side of the tray [A] (TCRU/ORU x 2)

3. Pick-up roller [A] and feed roller [B] (x 1)



4. Open the door of the vertical feed path and remove the separation roller [A] (x 1).



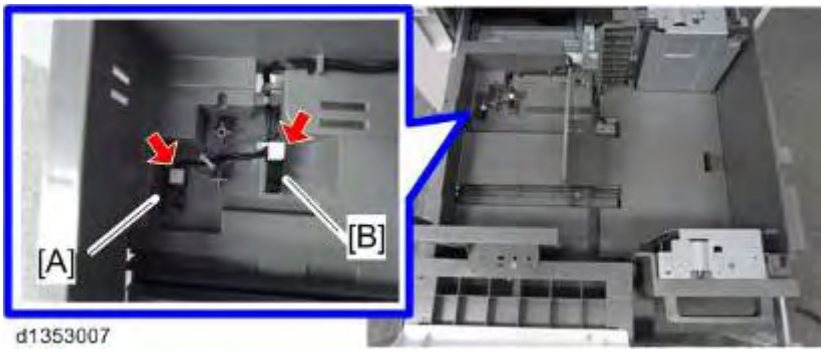
4.18.2 REAR FENCE HOME POSITION SENSOR / LEFT TRAY PAPER SENSOR

1. Pull out paper tray 1 [A].

2. Side fence [A] (x 1)

3. Cover [A] (x 1)

4. Rear Fence Home Position Sensor [A] / Left Tray Paper Sensor [B] (x 1 each, x 1 each)

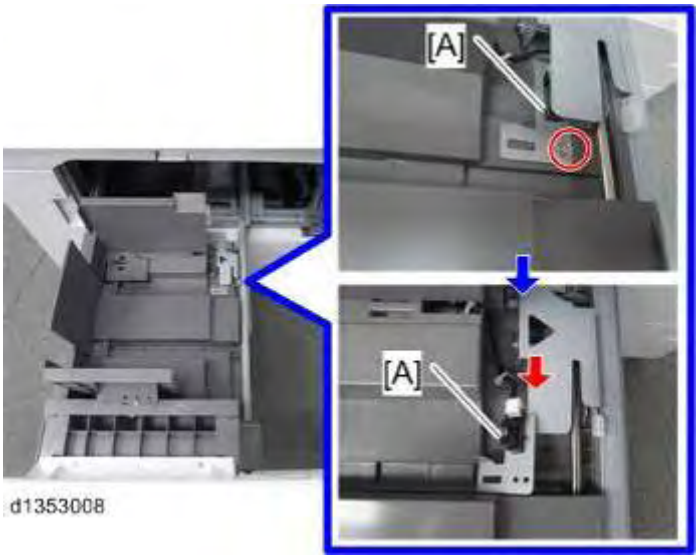


4.18.3 REAR FENCE RETURN SENSOR

1. Pull out paper tray 1 [A].

2. Right side of the tray [A] (TCRU/ORU x 2)

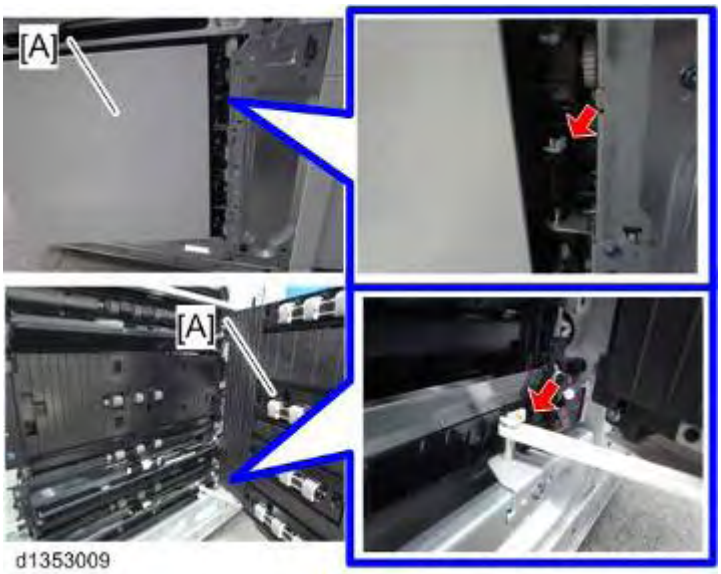
3. Turn the bracket and remove the rear fence return sensor [A] (x 1, x 1).



4.18.4 PAPER HEIGHT SENSORS 1, 2, 3 / TRAY DOWN SENSOR / RIGHT TRAY SET SENSOR

1. Right lower cover of the machine exterior (☛ page 4-13)
2. Pull out paper trays 1 and 2.
3. Right side of paper tray 1 [A] (TCRU/ORU x 2)

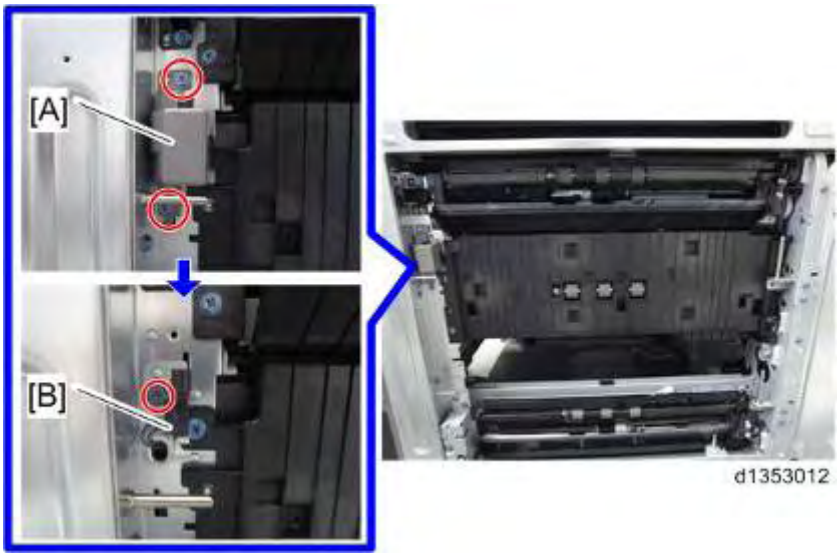
4. Vertical transport unit [A] (x 2)



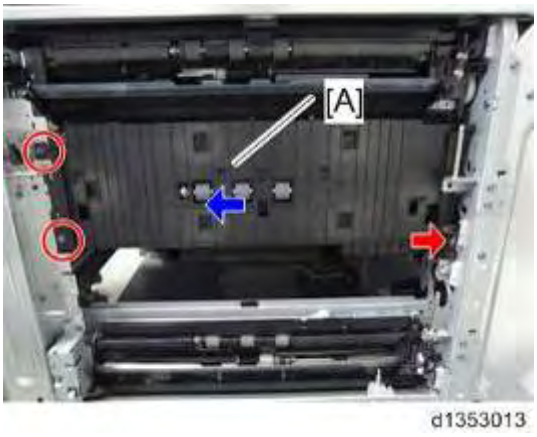
5. Paper guide plate [A] (x 1)

6. Paper feed unit for tray 2 [A] (x 2, x 1)

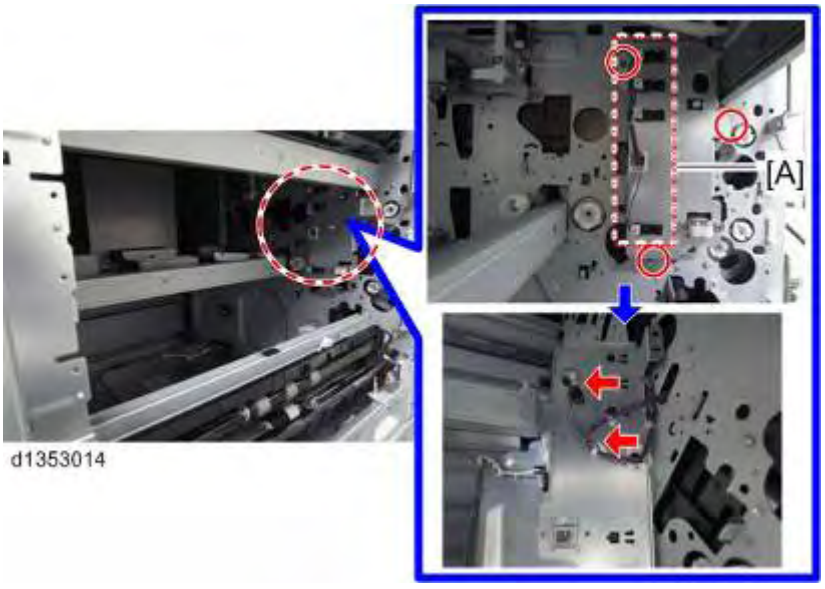
7. LED cover [A] (x 2)
8. Vertical transport LED [B] along with the bracket (x 1)



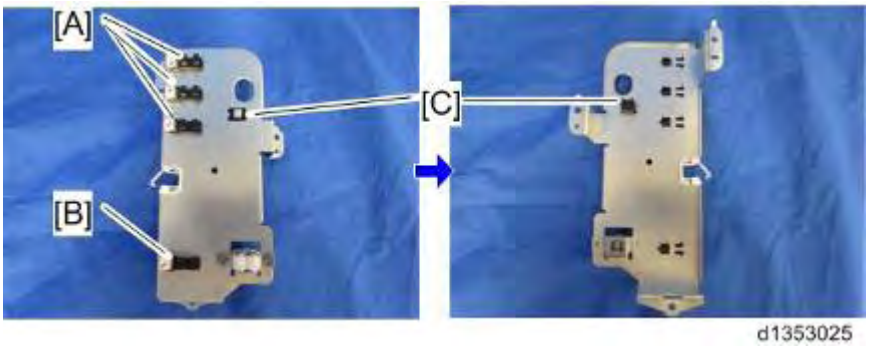
9. Relay cover [A] (x 2)



10. 5 sensors [A] along with the bracket, located inside the rear face of the machine (x 3, x 1 each (front x 4, back x 1), x 2 each).



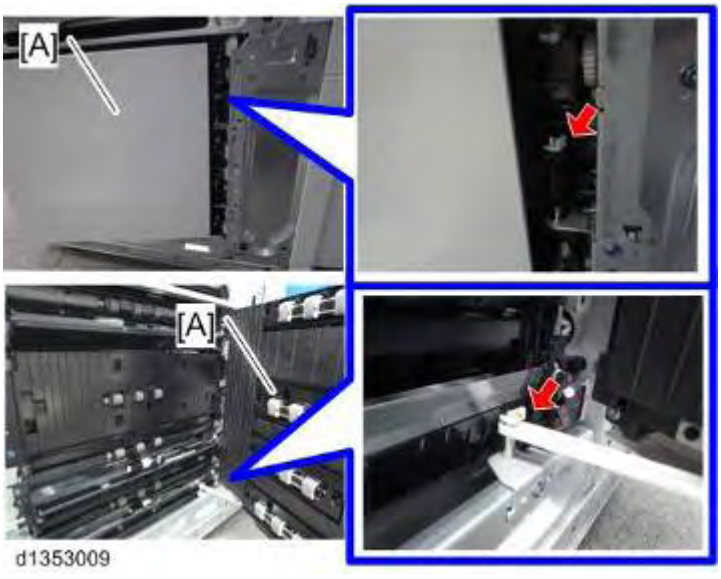
11. Paper height sensors 1, 2, 3 [A], tray down sensor [B] and right tray set sensor [C]



4.18.5 REAR END FENCE CLOSED SENSOR

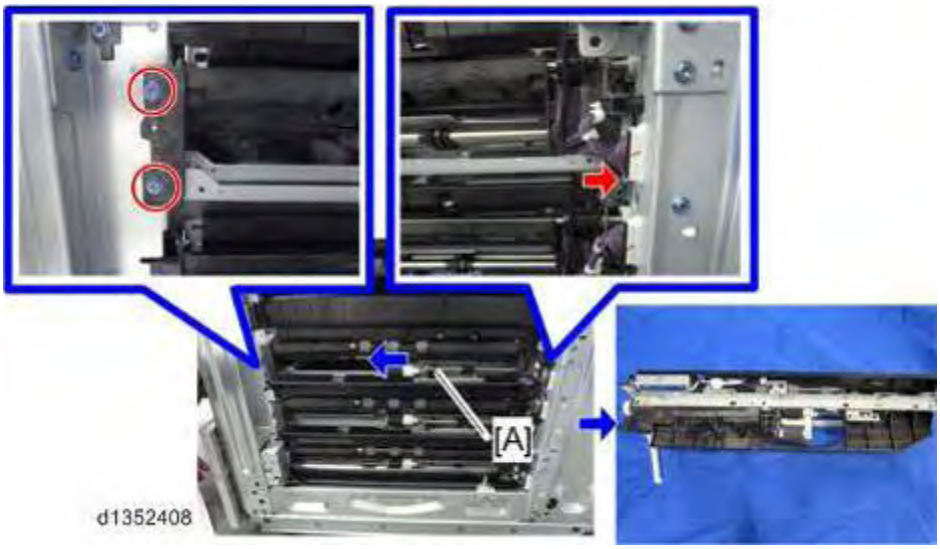
1. Right lower cover of the machine exterior (☛ page 4-13)
2. Pull out paper trays 1 and 2.
3. Right side of paper tray 1 [A] (TCRU/ORU x 2)

4. Vertical transport unit [A] (x 2)

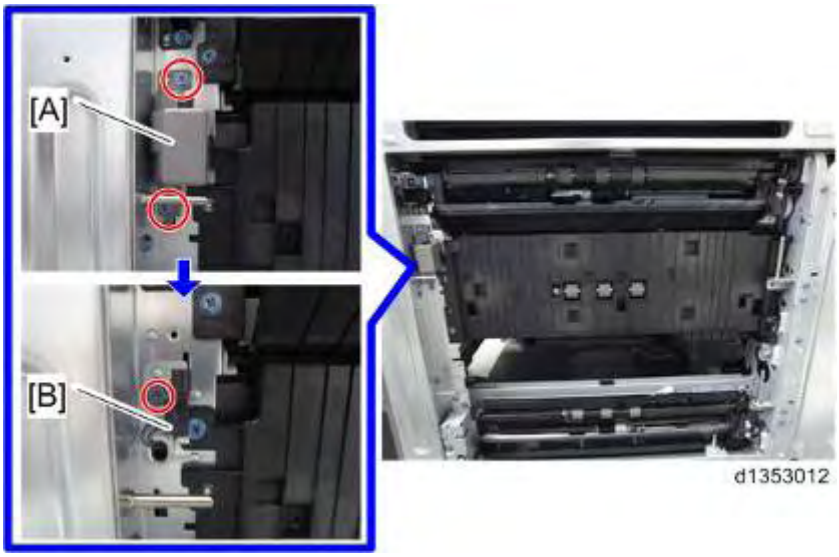


5. Paper guide plate [A] (x 1)

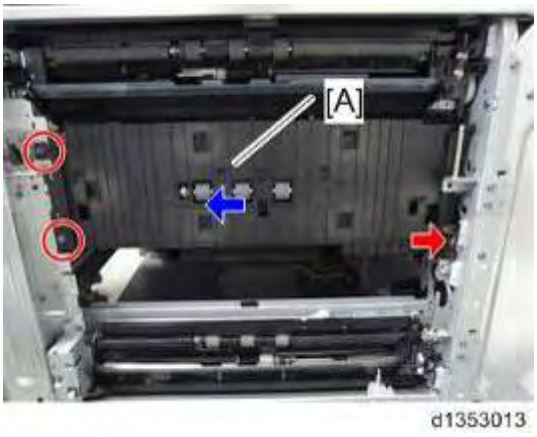
6. Paper feed unit for tray 2 [A] (x 2, x 1)



7. LED cover [A] (x 2)
8. Vertical transport LED [B] along with the bracket (x 1)



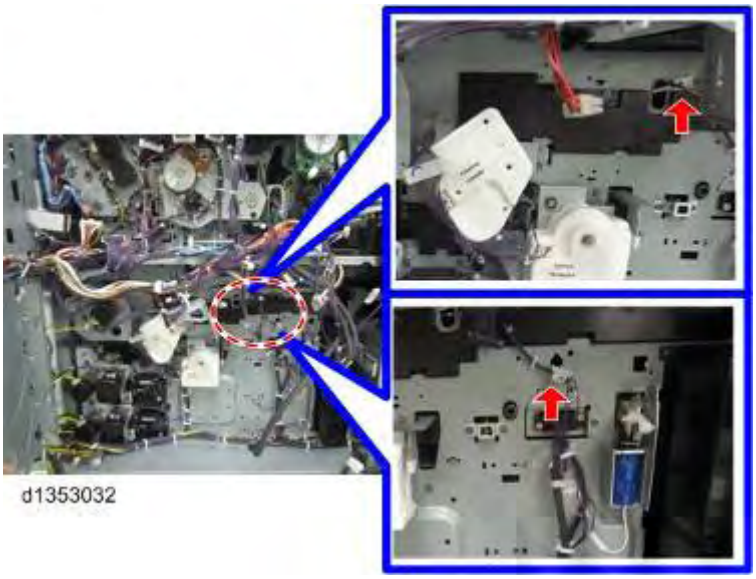
9. Relay cover [A] (x 2)



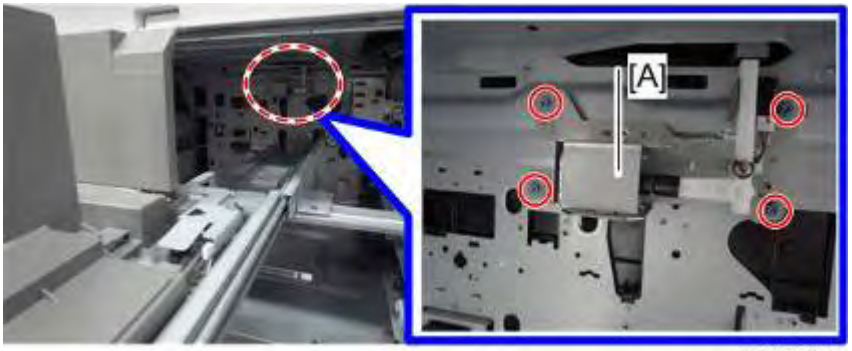
10. Rear End Fence Closed Sensor [A], located inside of the rear face of the machine (x 1)

4.18.6 END FENCE REAR SOLENOID

1. PSU1 / PSU2 along with the bracket, located on the back side of the machine (page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
2. Disconnect the connectors for the Rear End Fence Closed Sensor and the End Fence Rear Solenoid.



3. Relay cover (page 4-262 "Rear End Fence Closed Sensor")
4. End fence rear solenoid [A] along with the bracket, located inside the rear face of the machine (x 4)



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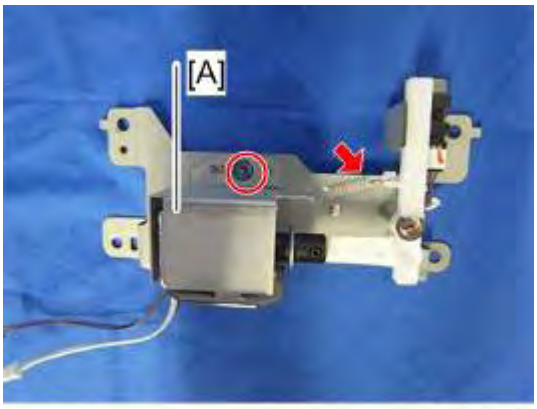
5. Bracket [A] (x 1, spring x 1)



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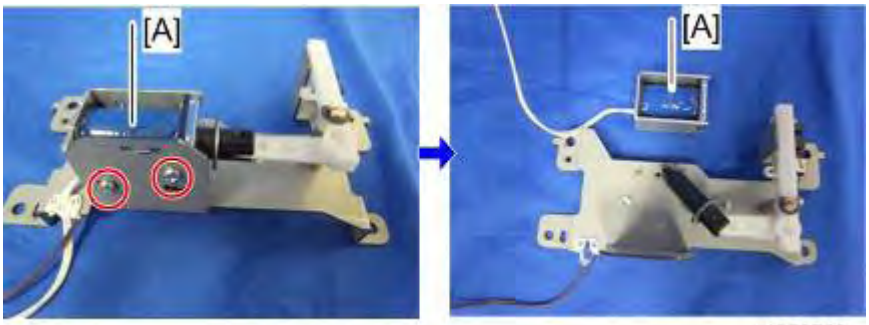
6. End fence rear solenoid [A] (x 2)



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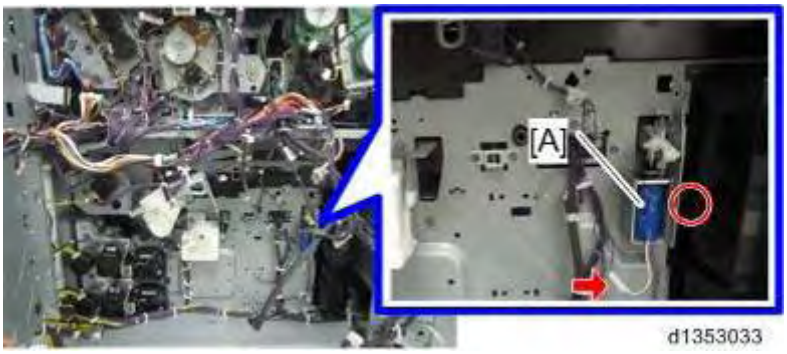
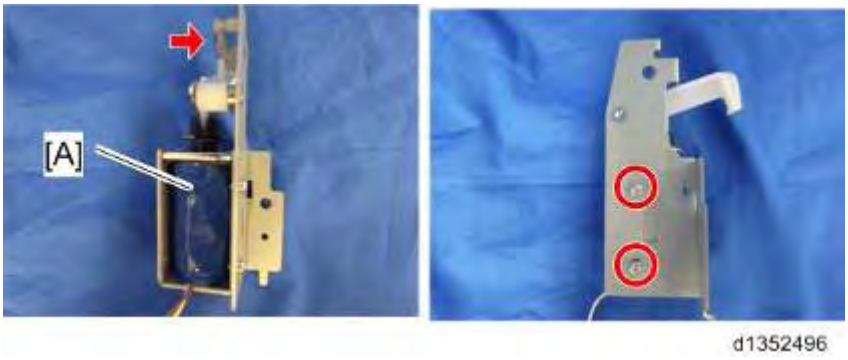
4.18.7 LEFT TRAY LOCK SOLENOID

1. PSU1 / PSU2 along with the bracket, located inside the rear face of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
2. Left tray lock solenoid [A] along with the bracket (x 1, x 1)

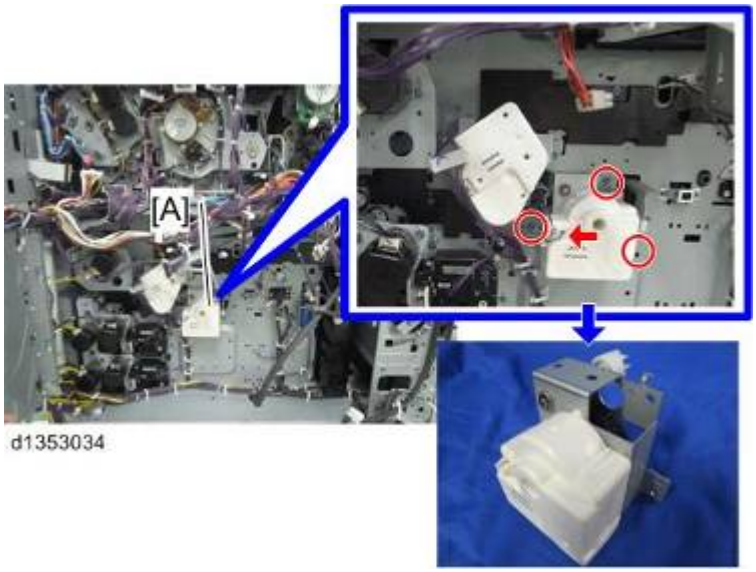


3. Left tray lock solenoid [A] (x 2, spring x 1)



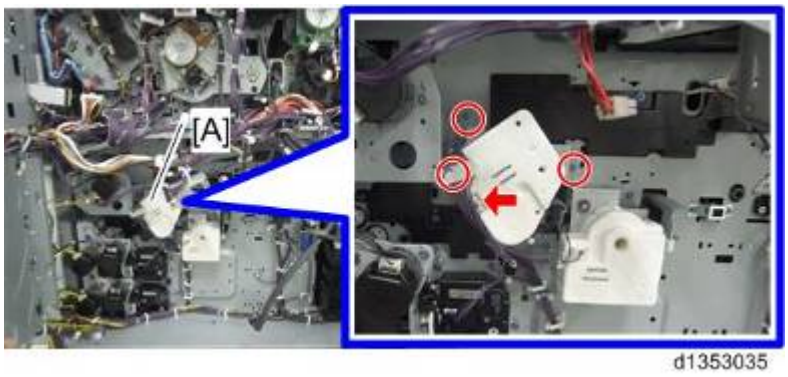
4.18.8 REAR FENCE DRIVE MOTOR

1. PFB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the PFB")
2. PSU1 / PSU2 along with the bracket, located on the back side of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
3. Rear fence drive motor [A] (x 3, x 1)



4.18.9 1ST TRAY LIFT MOTOR

1. PFB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the PFB")
2. PSU1 / PSU2 along with the bracket, located on the back side of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
3. 1st Tray Lift Motor (x 3, x 1)



⇒ 4.18.10 PAPER FEED UNIT FOR TRAY 1 REPLACEMENT

☛ See Section 4.31 for the Paper Feed Unit For Tray 1 replacement procedure.

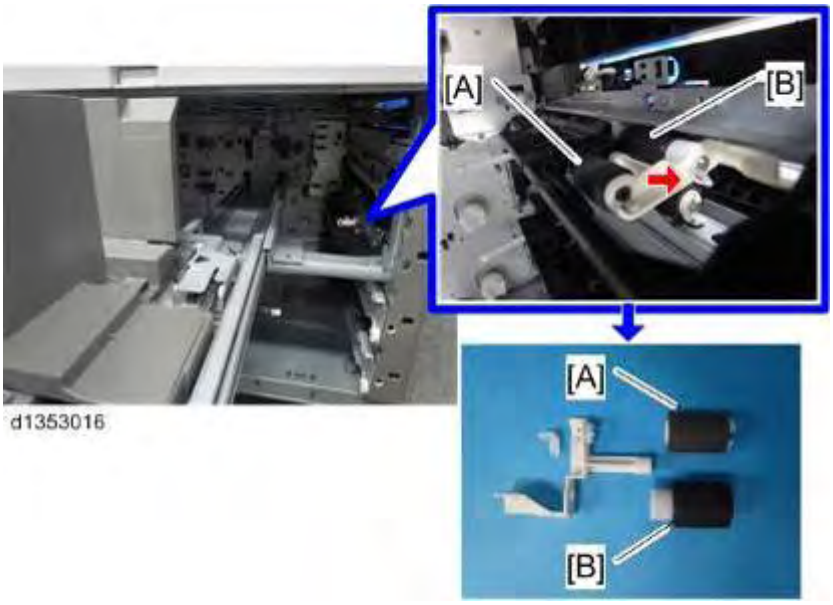
4.19 PAPER FEED SECTION (TRAY 2-3 / VERTICAL TRANSPORT)

4.19.1 PAPER TRAY

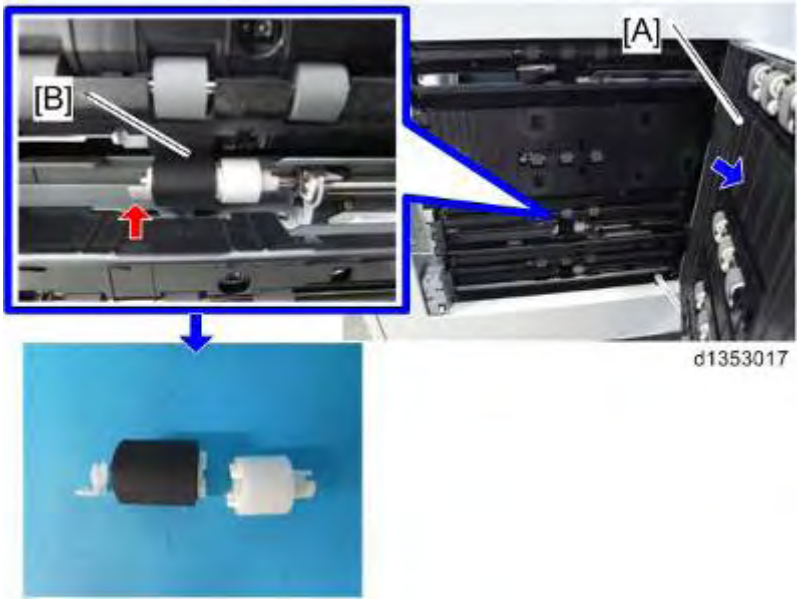
1. Pull out the paper tray [A].

4.19.2 FEED ROLLER, PICK-UP ROLLER AND SEPARATION ROLLER

1. Pull out the paper tray.
2. Pick-up roller [A] and feed roller [B] (snap-fit x 1)
   e.g.: Tray 2

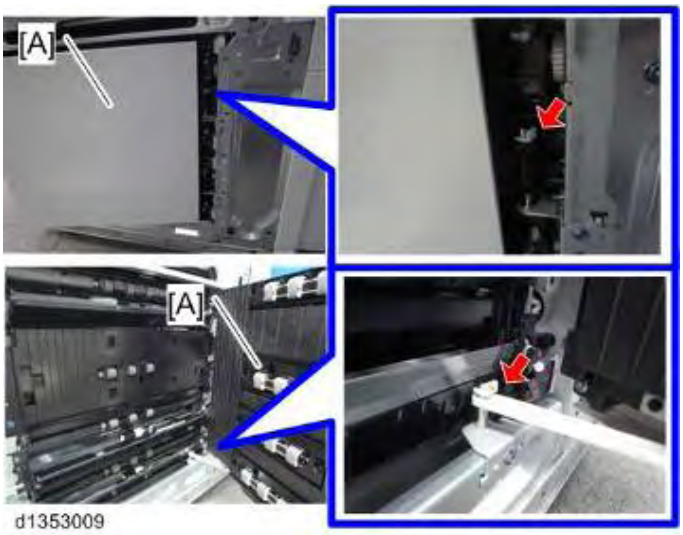


3. Separation roller [A] (snap-fit x 1)
   e.g.: Tray 2



4.19.3 PAPER FEED UNIT

1. Right lower cover of the machine exterior (☛ page 4-13 "Right Lower Cover")
2. Pull out paper tray 2 (in the case of the paper feed unit for tray 2).
3. Vertical transport unit [A] (snap-fit x 2)



4. Paper guide plate [A] (snap-fit x 1)

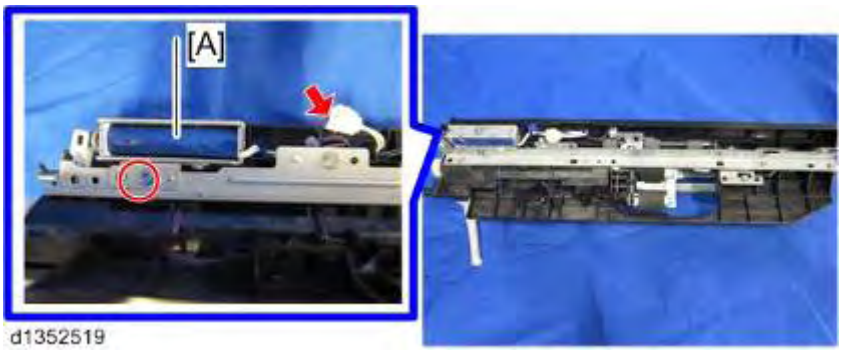
5. Paper feed unit for tray 2 [A] (x 2, x 1)

Note

- For tray 3, replace with the same procedure as for tray 2.

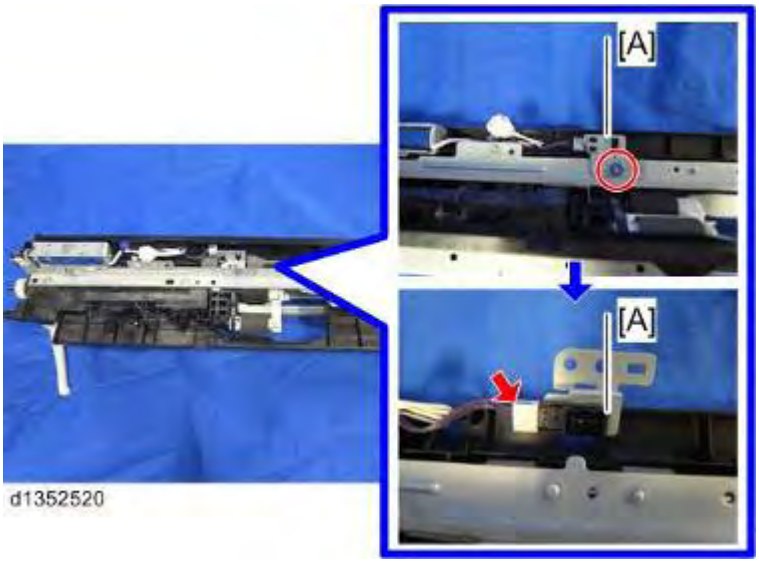
4.19.4 PICK-UP SOLENOID

1. Paper feed unit (☛ page 4-270)
2. Pick-up solenoid [A] (x 1, x 1)



4.19.5 TRANSPORT SENSOR

1. Paper feed unit (☛ page 4-270)
2. Transport sensor [A] (x 1, x 1)

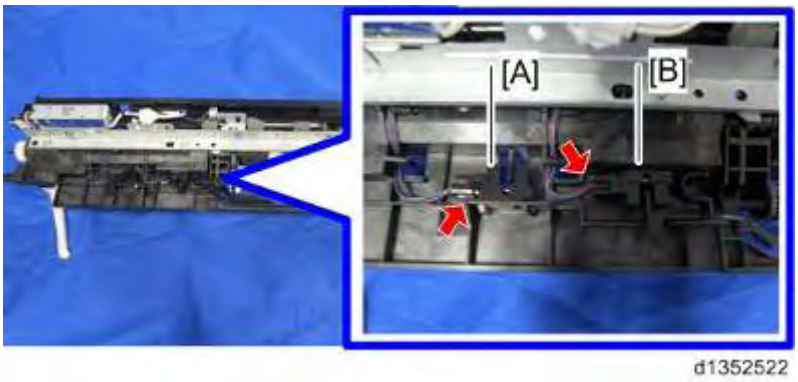


4.19.6 PAPER FEED SENSOR

1. Paper feed unit (☛ page 4-270)
2. Paper feed sensor [A] (x 1, x 1)

4.19.7 PAPER TRAY UPPER LIMIT SENSOR / PAPER END SENSOR

1. Paper feed unit (☛ page 4-270)
2. Paper tray upper limit sensor [A] and paper end sensor [B] (x 1 each, x 1 each)



Note

- When removing the paper end sensor, remove the hook from the opposite side of the photo above.

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4.19.8 VERTICAL TRANSPORT LED

1. Open the vertical transport door [A].

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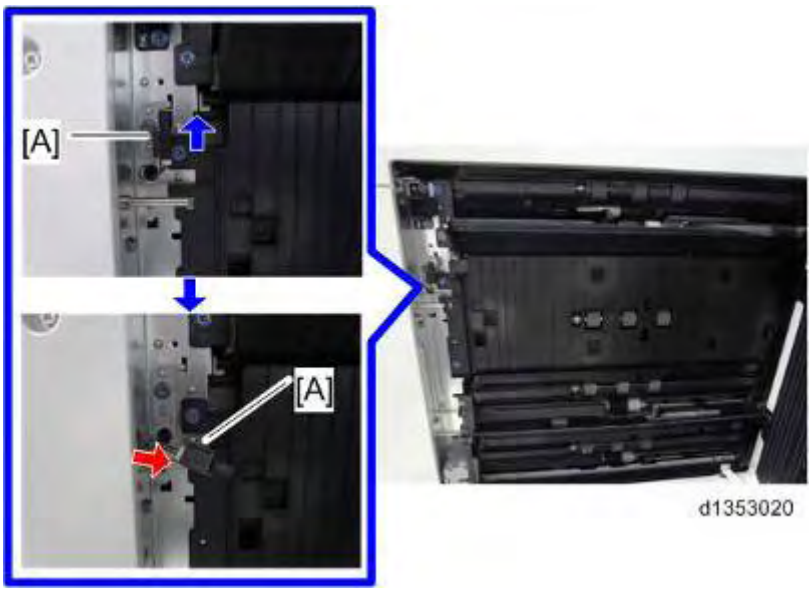
2. LED cover [A] (x 2)

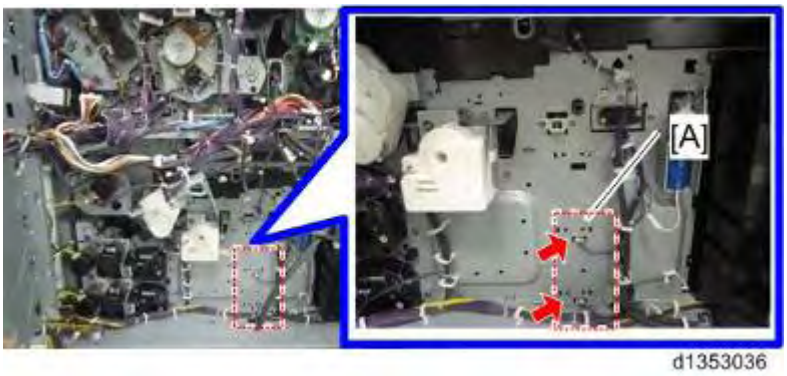
d1353019

3. Remove the vertical transport LED [A] by lifting it upward (x 1)

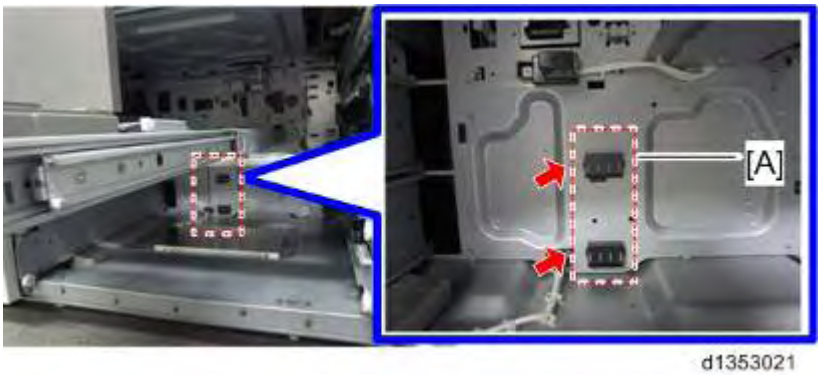


4.19.9 PAPER SIZE SENSORS

1. PSU1 / PSU2 along with the bracket, located on the back side of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
2. Disconnect two connectors [A] from the paper size sensors.



3. Pull out the paper trays from the front side of the machine and remove the two paper size sensors [A].

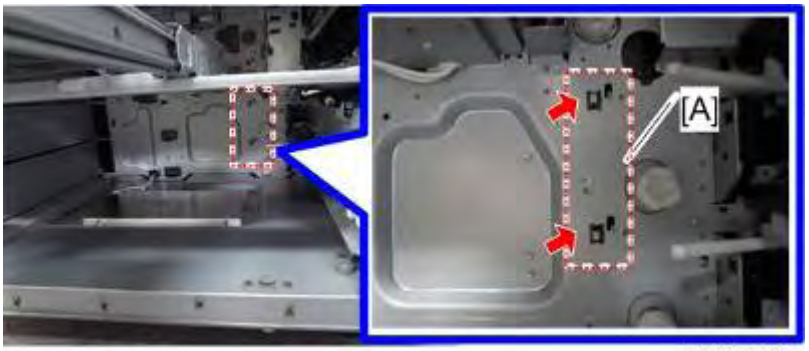


4.19.10 PAPER TRAY SET SENSORS

1. PSU1 / PSU2 along with the bracket, located on the back side of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
2. Disconnect two connectors [A] from the paper tray set sensors.

d1353037

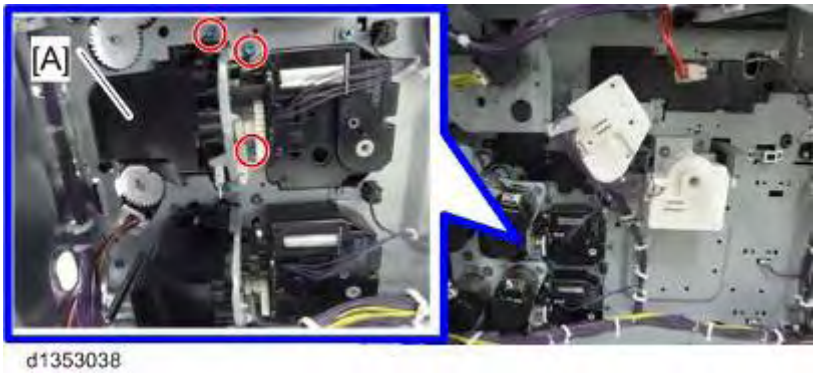
3. Pull out the paper trays from the front side of the machine and remove the two paper tray set sensors [A].



d1353022

4.19.11 PAPER TRAY LIFT MOTOR

1. PFB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the PFB")
2. PSU1 / PSU2 along with the bracket, located on the back side of the machine (☛ page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
3. Paper feed motor for paper tray 2 or paper feed motor for paper tray 3 (☛ page 4-388 "2nd Paper Feed Motor/2nd Transport Motor, 3rd Paper Feed Motor/3rd Transport Motor")
4. Tray pull-in device [A] (x 3)
   e.g.: for paper tray 2



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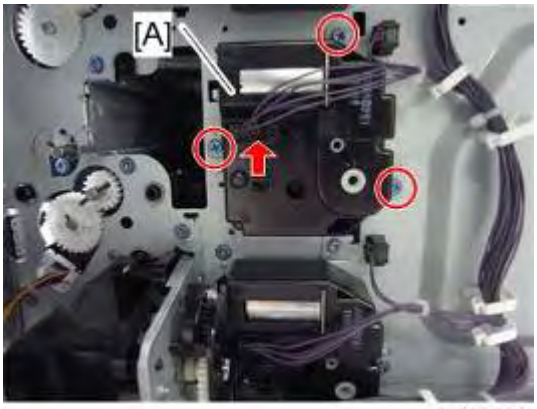
Note

- This work must be done while the paper tray is pulled out.

5. Paper tray lift motor [A] (x 3, x 1 each)
   e.g.: for paper tray 2



d1352504

Note

- For tray 3, replace with the same procedure as for tray 2.

4.19.12 TRAY HEATER

Upper Tray Heater

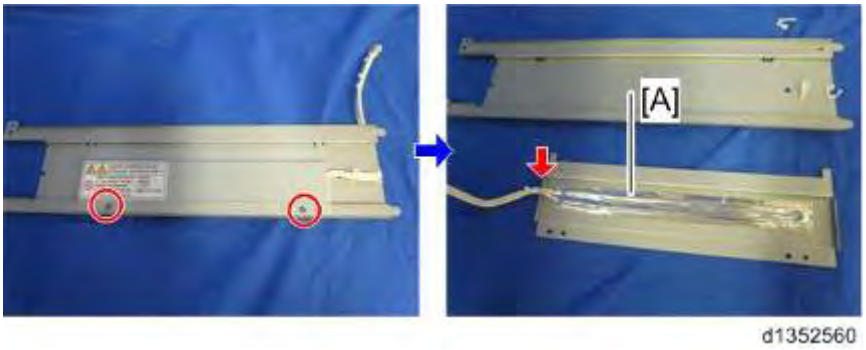
1. Pull out the paper tray.
2. Right side of paper tray 1 [A] (TCRU/ORU x 2)

3. Remove the fixing screws of the bracket for the upper tray heater [A] (x 2).

4. Connector cover [A] (x 1)

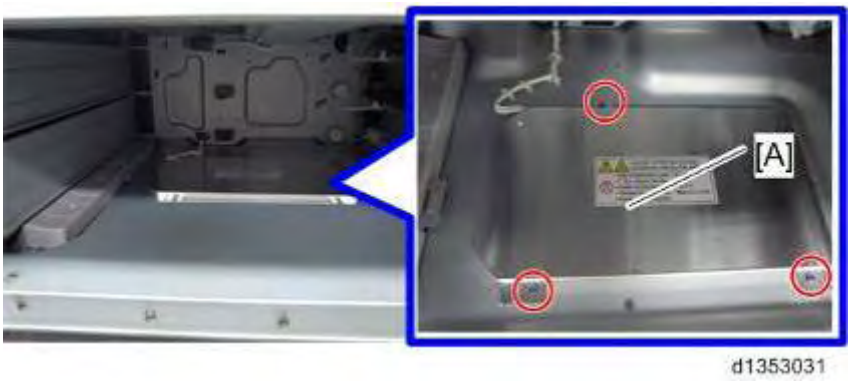
5. Upper tray heater [A] along with the bracket (x 1, x 2).

6. Upper tray heater [A] (x 2 , x 1).

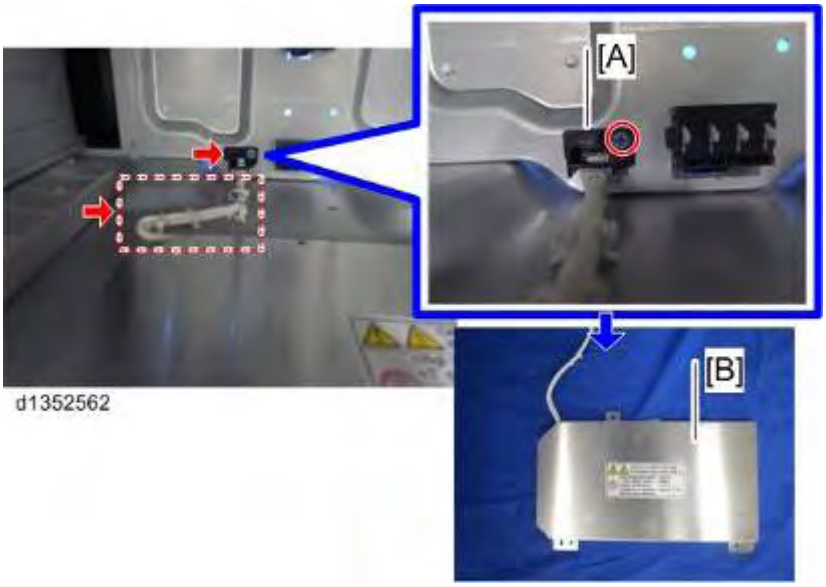


Lower Tray Heater

1. Pull out the paper tray.
2. Remove the fixing screws of the bracket for the lower tray heater [A] (x 3).



3. Connector cover [A] (x 1)
4. Lower tray heater [B] along with the bracket (x 1, x 4).



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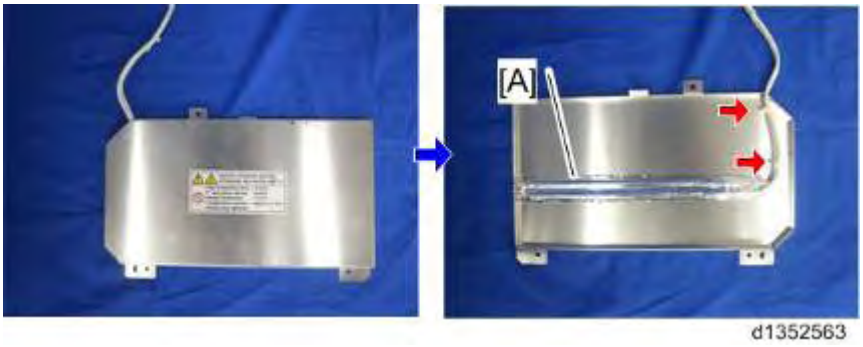
5. Lower tray heater [A] (x 2)

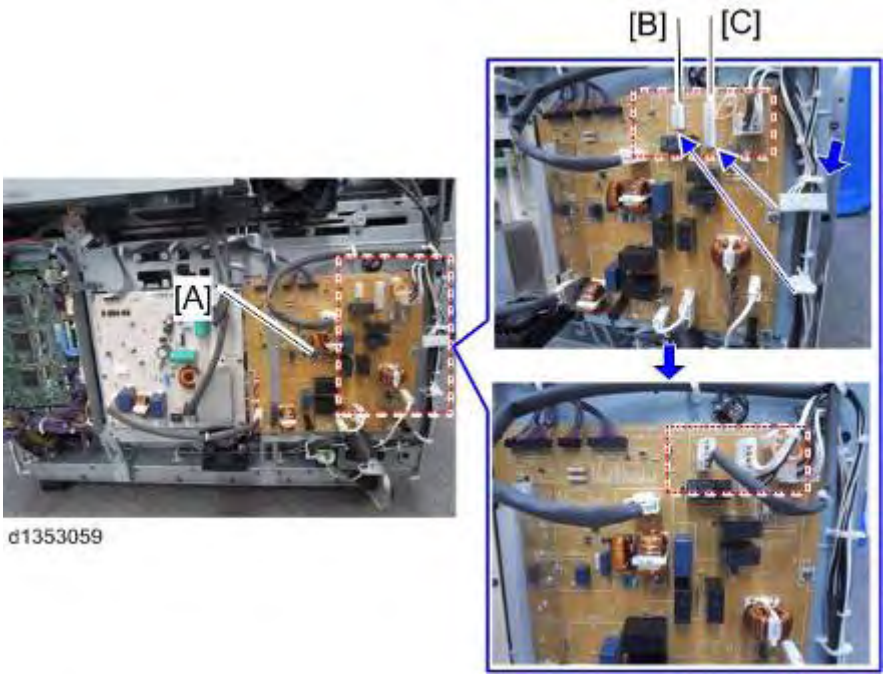


d1352563

4.19.13 TRAY HEATER SETTING

Turn on the tray heater depending on the needs of the user.

1. Rear lower cover (☛ page 4-20)
2. Remove the clamp and connect the connectors to CN402 [B] and CN401 [C] on the AC drive board [A].

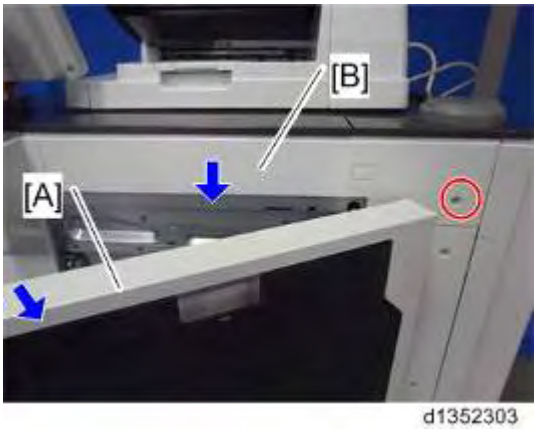


4.20 BY-PASS TRAY UNIT (D137/D138)

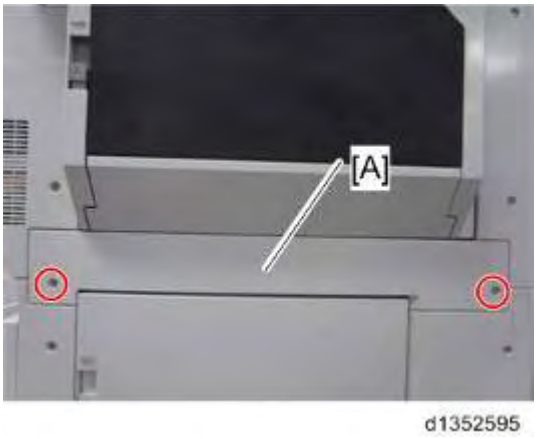
4.20.1 BY-PASS TRAY UNIT REMOVAL

1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the right side of the rear middle cover [B] (x 2).

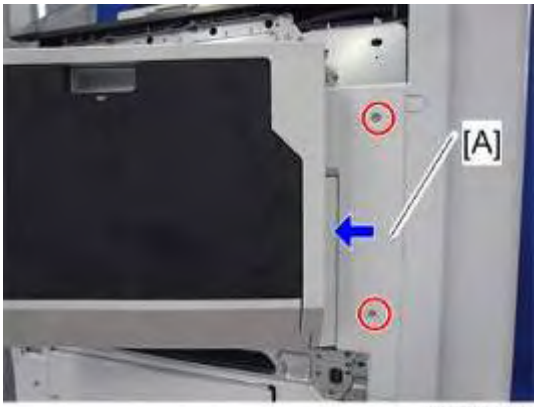
2. Open the by-pass tray unit [A]. Remove the right middle upper cover [B] downward (x 1).



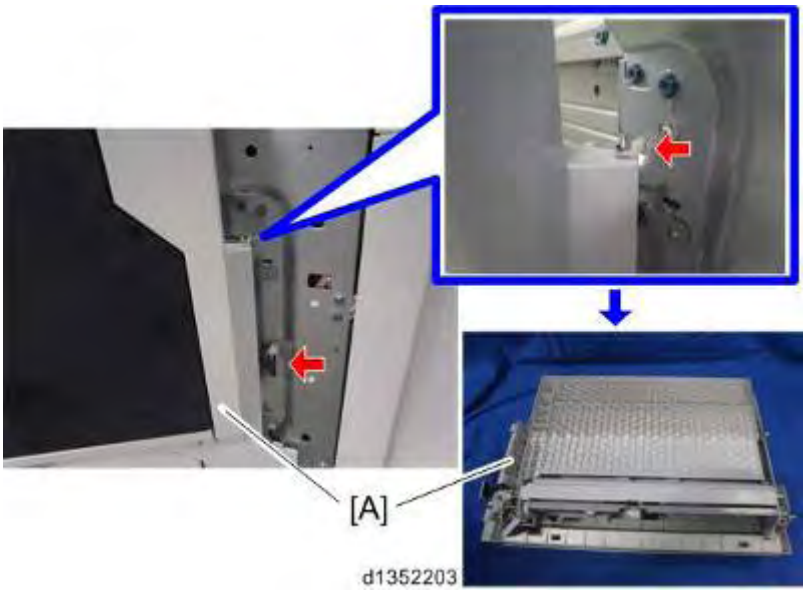
3. LCT cover [A] (x 2)



4. Slide the right middle rear cover [A] to the left (x 2)

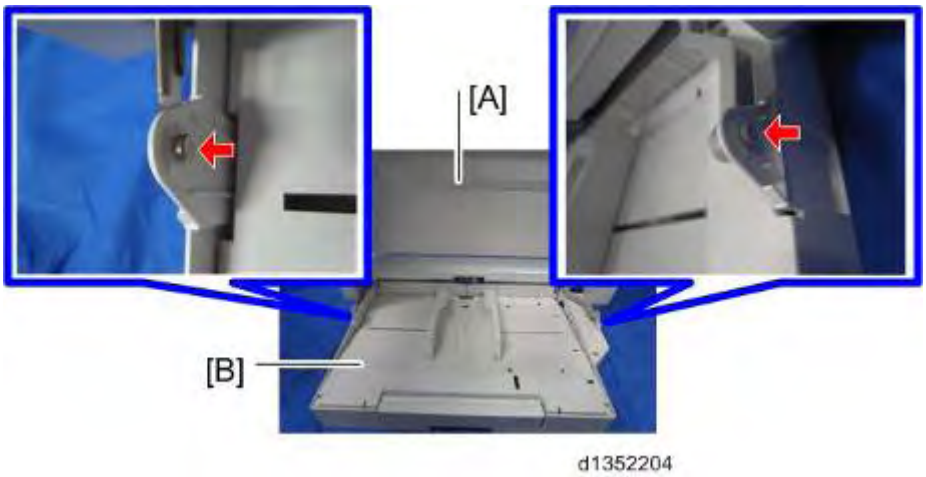


5. By-pass Tray Unit [A] (x 1, x 1)

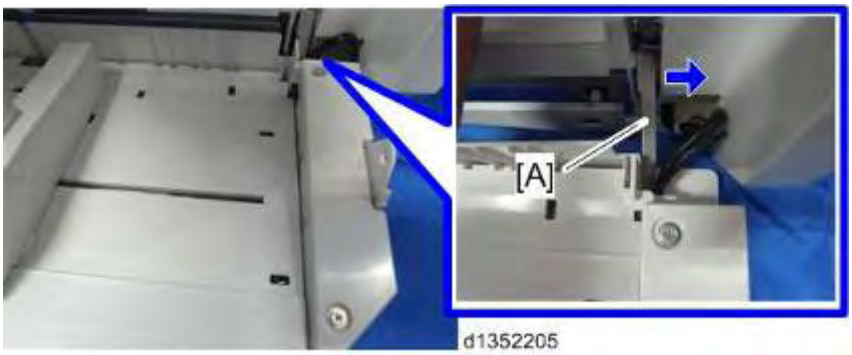


By-pass Tray Unit Separation

1. Separate the paper feed unit [A] and bottom plate [B] of the by-pass tray unit (x 2).



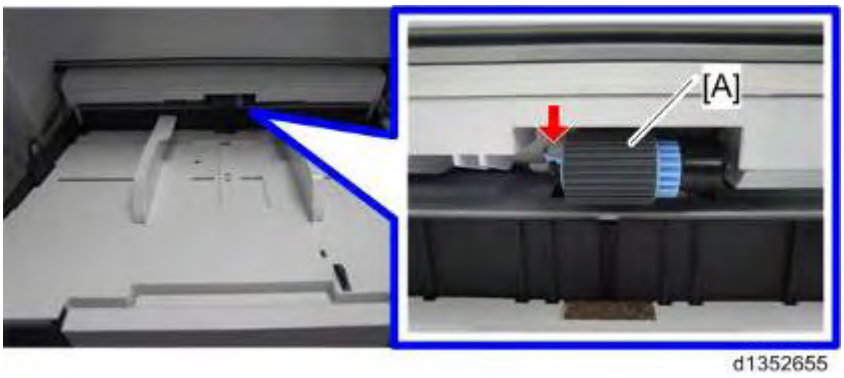
2. Remove the right arm [A] and separate the paper feed unit and bottom plate of the by-pass tray unit.



4.20.2 BY-PASS PICK-UP ROLLER / BY-PASS FEED ROLLER / BY-PASS SEPARATION ROLLER

1. Open the by-pass tray [A].

2. By-pass pick-up roller [A] (hook x 1)



3. Open the by-pass tray unit [A] and remove the paper feed unit cover [B] (x 1).

4. By-pass feed roller [A] (x 1)

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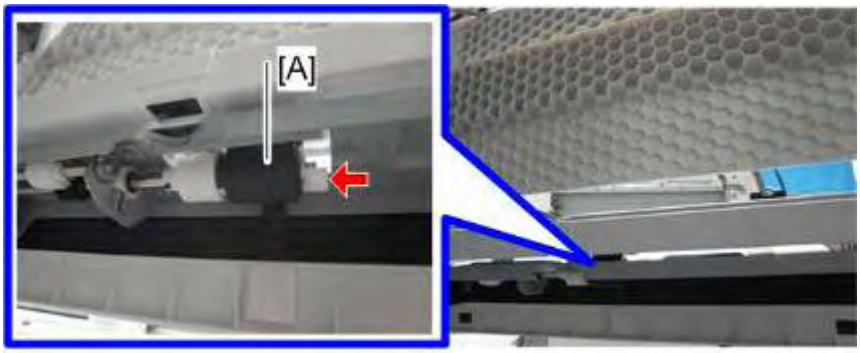
5. By-pass separation roller [A] from the back of the by-pass tray unit (x 1)



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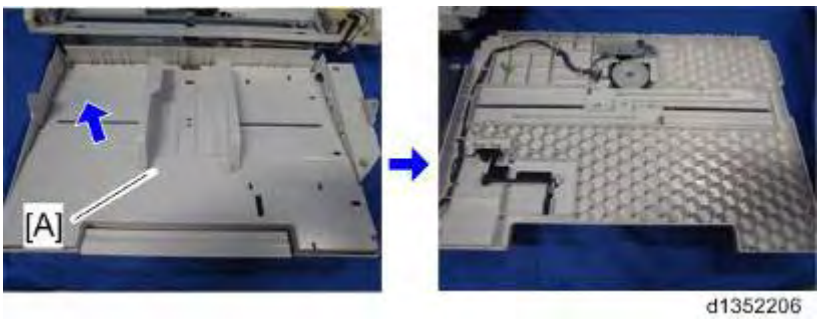
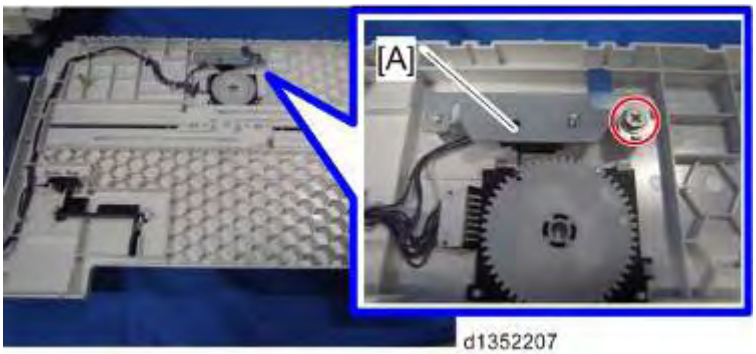
4.20.3 BY-PASS TRAY PAPER END SENSOR

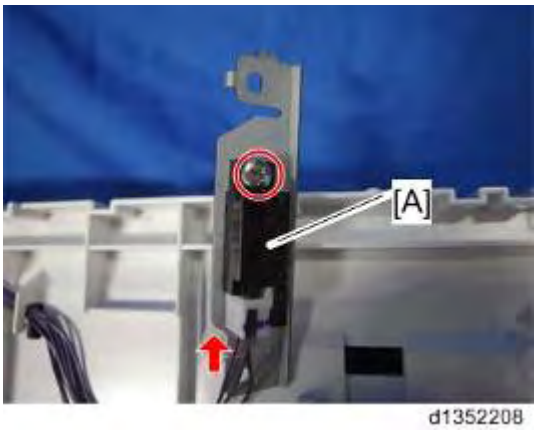
1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. Remove the bottom plate [A] of the by-pass tray and turn it over.



3. By-pass tray paper end sensor [A] along with the bracket (x 1)

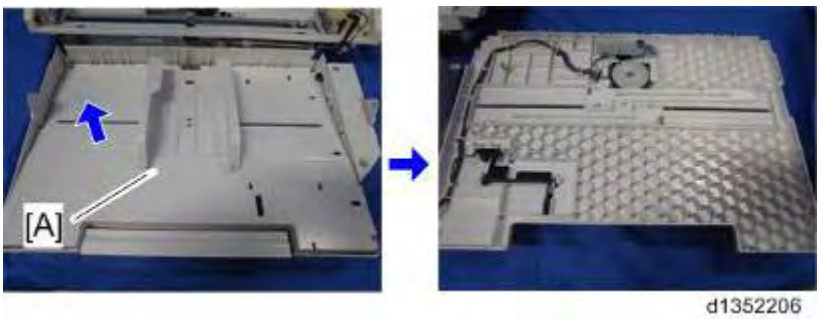


4. By-pass tray paper end sensor [A] (x 1, x 1)

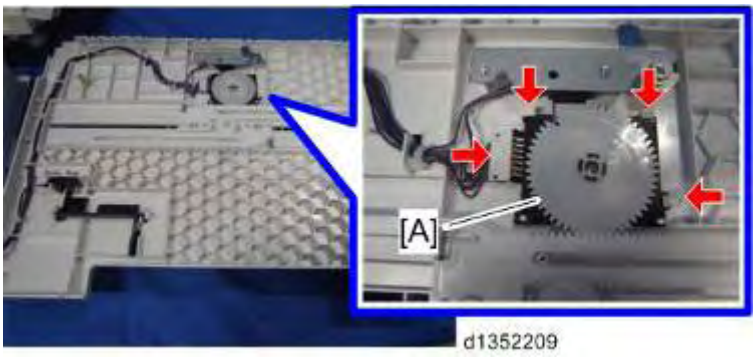


4.20.4 BY-PASS PAPER WIDTH SENSOR

1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. Remove the bottom plate [A] of the by-pass tray and turn it over.

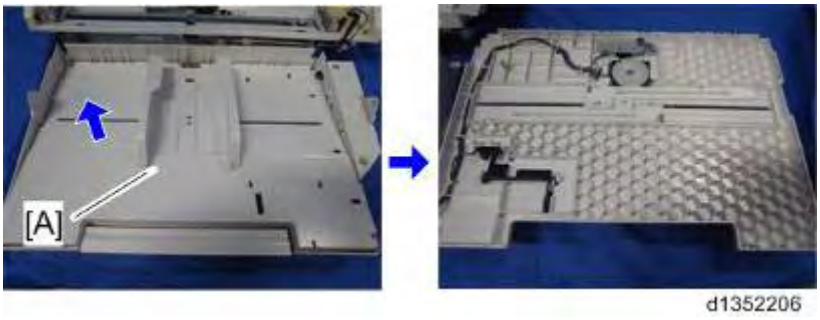


3. By-pass paper width sensor [A] (hook x 3, x 1)



4.20.5 BY-PASS PAPER LENGTH SENSOR

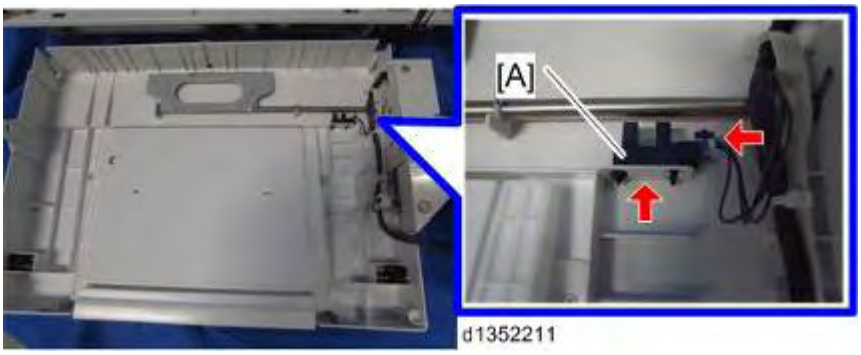
1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. Remove the bottom plate [A] of the by-pass tray and turn it over.



3. By-pass paper length sensor [A] (☞ x 1, hooks)

4.20.6 BY-PASS TRAY LOWER LIMIT SENSOR

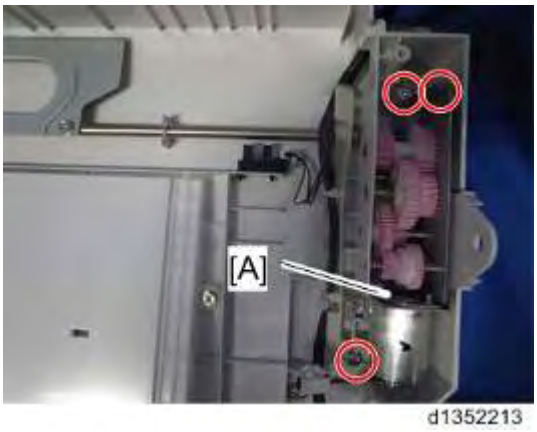
1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. By-pass tray lower limit sensor [A] from the bottom plate (☞ x 1, hooks)



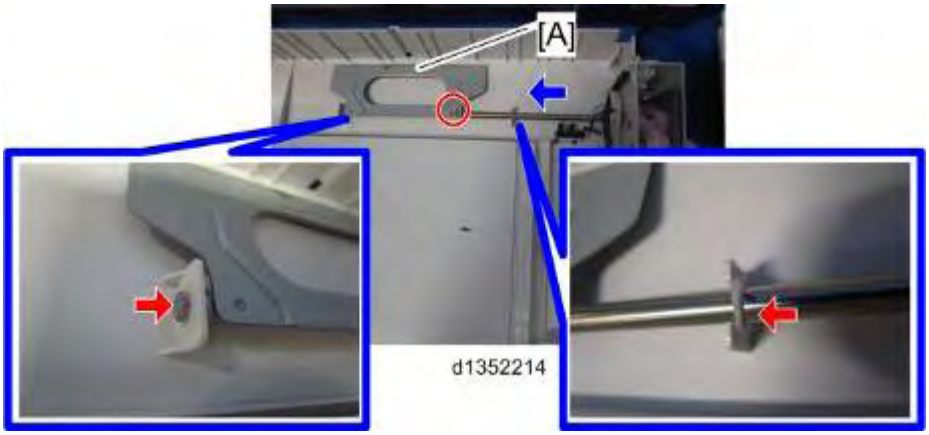
4.20.7 BY-PASS TRAY LIFT MOTOR

1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. By-pass tray lift motor cover [A] from the bottom plate (x 2)

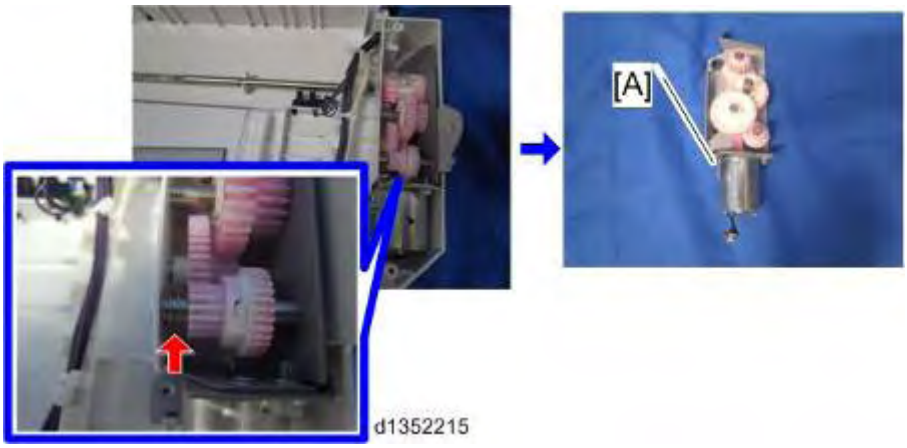
3. Fixing screws of the by-pass tray lift motor block [A] (x 3)



4. Stay [A] (including the shaft) for lifting the bottom plate (x 1, x 2)

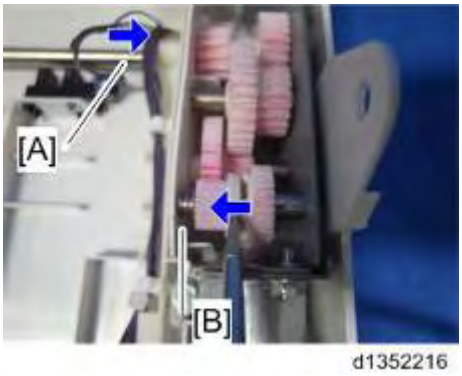


5. By-pass tray lift motor block [A] (spring x 1)

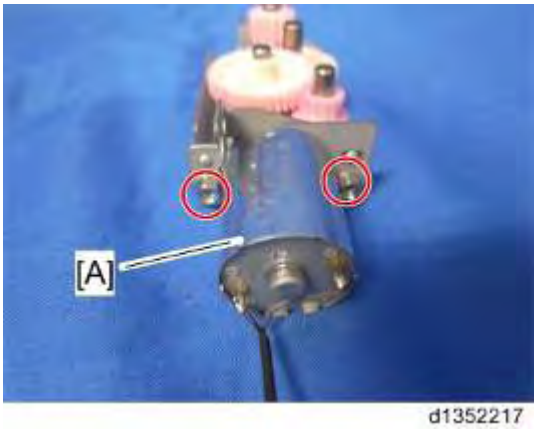


Note

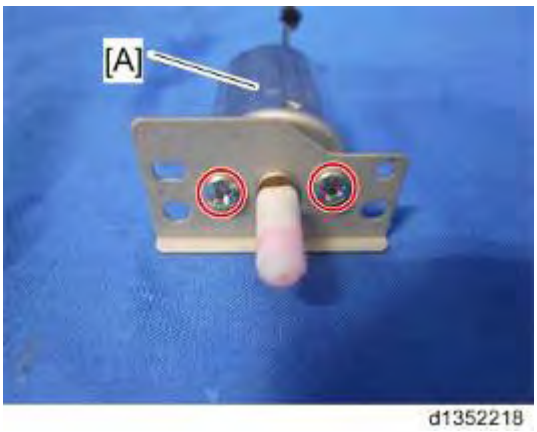
- When reinstalling the motor, press the spring [B] to rotate the gear. It is easy to insert the shaft [A] for lifting the bottom plate.



6. By-pass tray lift motor [A] along with the bracket (x 2)

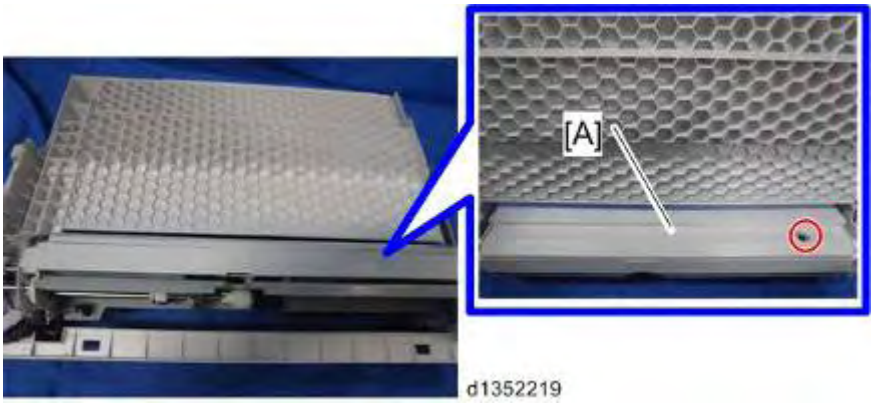


7. By-pass tray lift motor [A] (x 2)

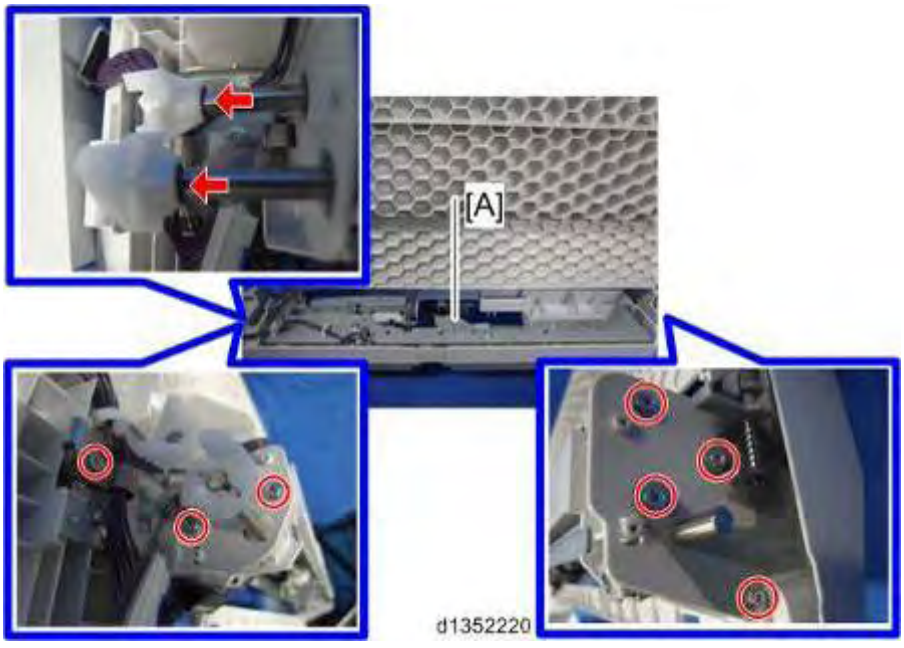


4.20.8 BY-PASS TRAY UPPER LIMIT SENSOR / BY-PASS PAPER FEED SENSOR

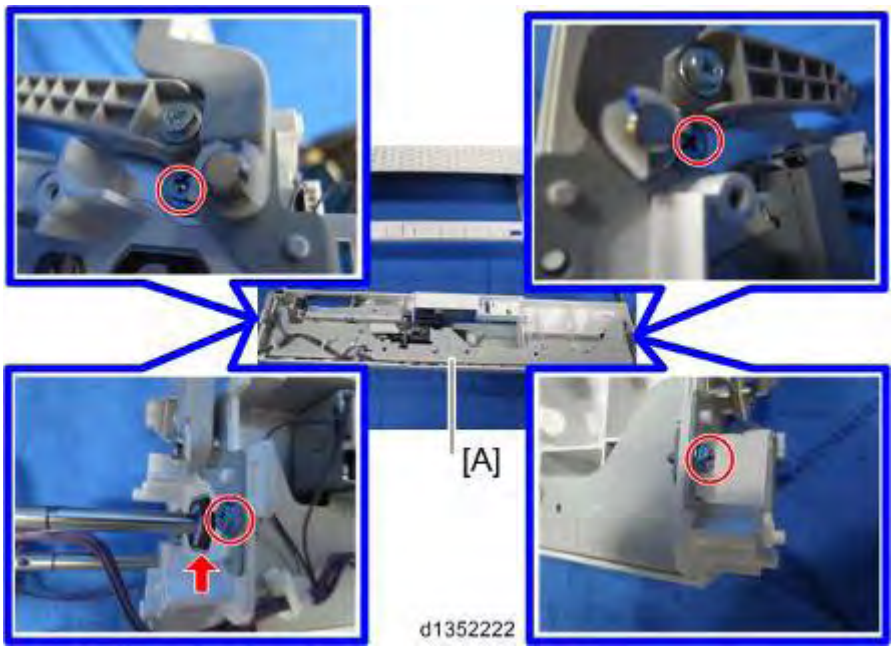
1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛ page 4-281 "By-pass Tray Unit Removal")
2. By-pass paper feed unit cover [A] (x 1)



3. Remove the fixing screws (x 7) and joints (x 2) of the by-pass paper feed unit [A] (x 2)

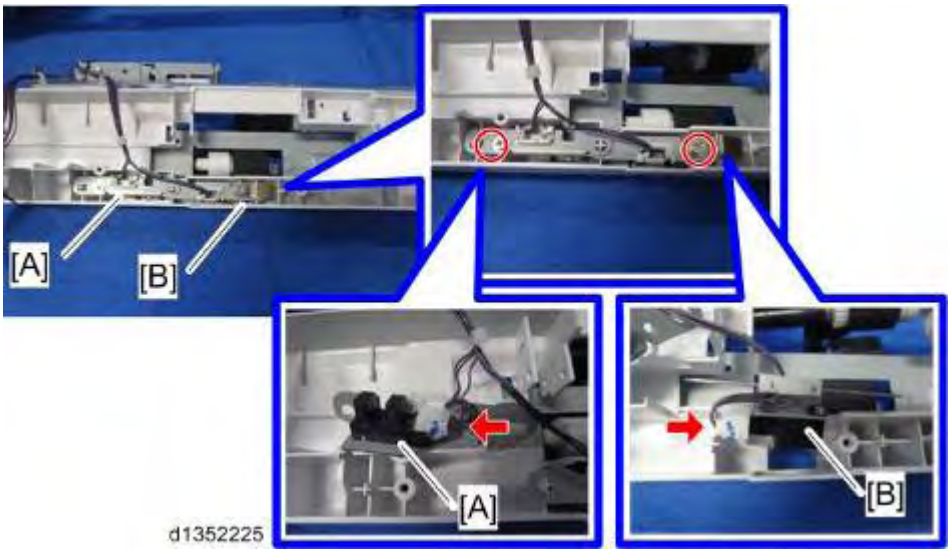


4. Bracket [A] of the by-pass paper feed unit (x 4, x 1)



5. Lift the bracket [A] to remove (x 3).

6. By-pass tray upper limit sensor [A] (x 1, x 1)
7. By-pass paper feed sensor [B] (x 1, x 1)



4.20.9 BY-PASS PICK-UP SOLENOID

1. Bracket of the by-pass paper feed unit (☛page 4-290 "By-pass Tray Upper Limit Sensor / By-pass Paper Feed Sensor")
2. By-pass pick-up solenoid [A] (x 1, spring x 1, x 1)

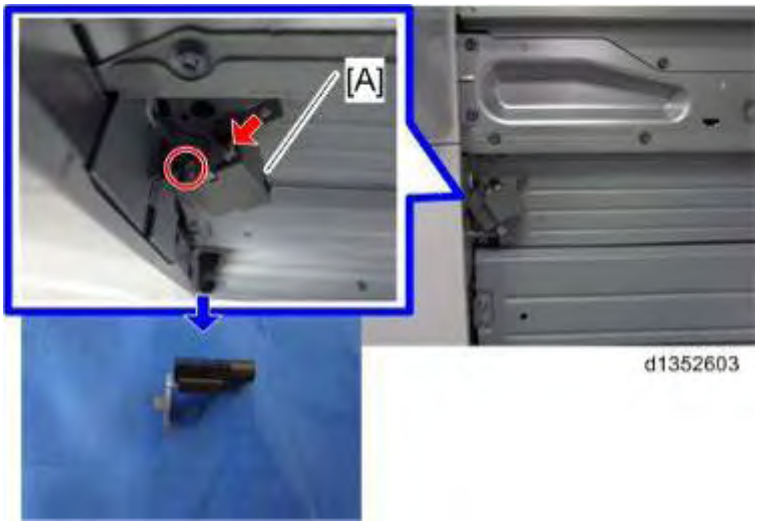
4.20.10 BY-PASS TRAY SET SENSOR

1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛page 4-281 "By-pass Tray Unit Removal")
2. By-pass tray set sensor [A] (x 1)

4.20.11 BY-PASS TRAY LED CONNECTOR (RED)

1. Open the by-pass tray unit and remove the LED cover [A] (x 1).

2. By-pass tray LED connector (Red) [A] (x 1, x 1)

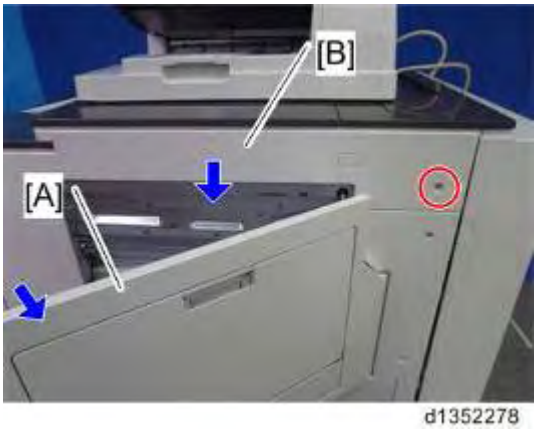


4.21 BY-PASS TRAY UNIT (D135/D136)

4.21.1 BY-PASS TRAY UNIT REMOVAL

1. In order to easily remove the right middle upper cover [A], remove the fixing screws on the right side of the rear middle cover [B] (x 2).

2. Open the by-pass tray unit [A]. Remove the right middle upper cover [B] downward (x 1).



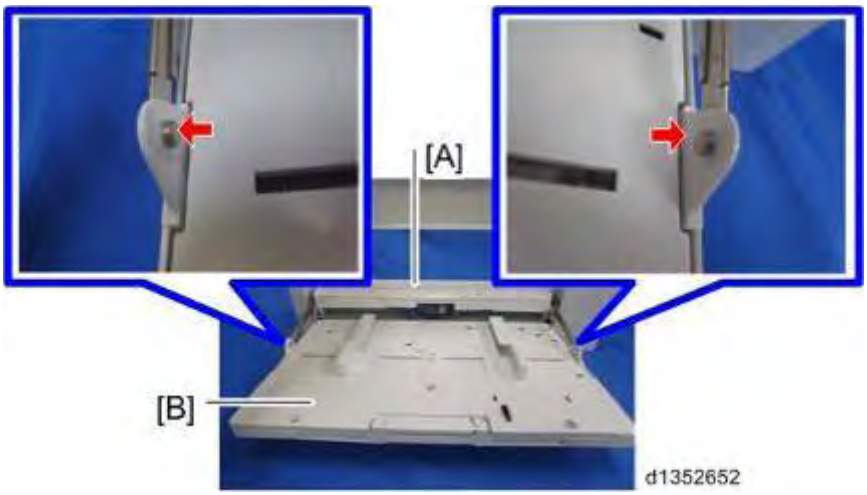
3. LCT cover [A] (x 2)

4. Slide the right middle rear cover [A] to the left (x 2)

5. By-pass Tray Unit [A] (x 1, x 1, x 1)

By-pass Tray Unit Separation

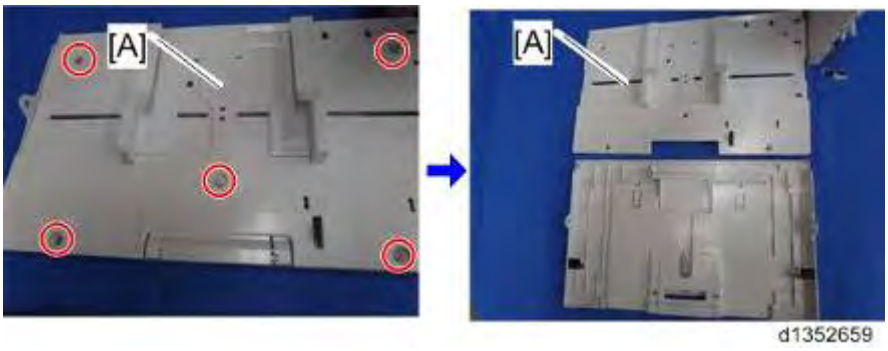
1. Separate the paper feed unit [A] and bottom plate [B] of the by-pass tray unit (x 2).



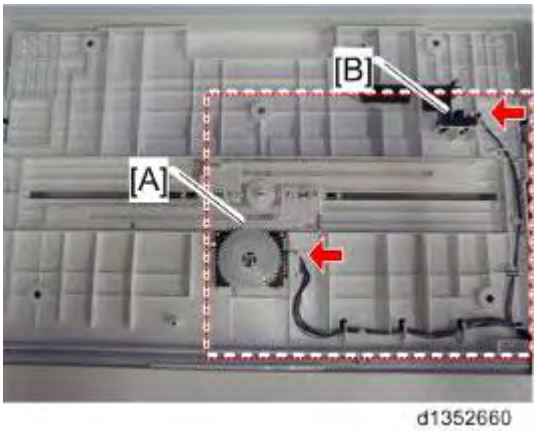
2. Remove the left arm [A] and right arm [B], and then separate the paper feed unit and

bottom plate of the by-pass tray unit.

3. By-pass tray [A] from the bottom plate (x 5)



4. Turn over the by-pass tray [A], then disconnect the connectors and clamps of the by-pass paper width sensor [B] / by-pass paper length sensor [C].



4.21.2 BY-PASS PICK-UP ROLLER / BY-PASS FEED ROLLER / BY-PASS SEPARATION ROLLER

1. Open the by-pass tray [A].

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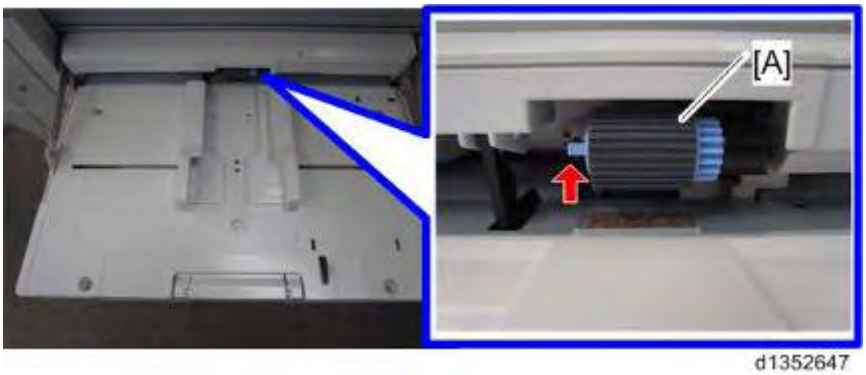
2. By-pass pick-up roller [A] (hook x 1).



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3. Open the by-pass tray unit [A] and remove the paper feed unit cover [B] (x 1).

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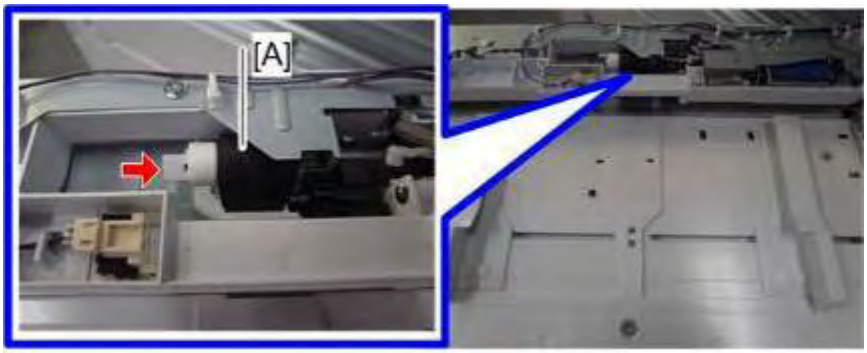
4. By-pass feed roller [A] (x 1)



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5. By-pass separation roller [A] from the back of the by-pass tray unit (x 1)

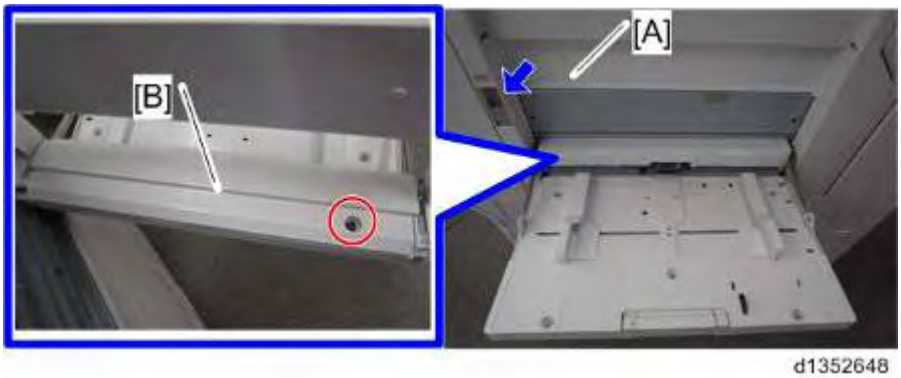
d1352650

4.21.3 BY-PASS TRAY PAPER END SENSOR

1. Open the by-pass tray [A].

d1352643

2. Open the by-pass tray unit [A] and remove the paper feed unit cover [B] (x 1)



d1352648

3. By-pass tray paper end sensor [A] (x 1)

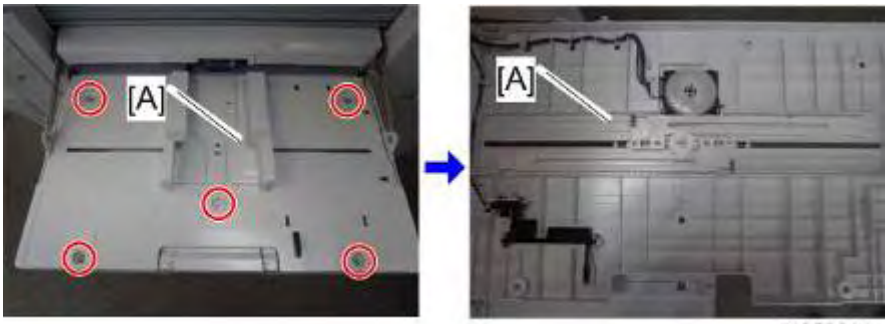
d1352651

4.21.4 BY-PASS PAPER WIDTH SENSOR

1. Open the by-pass tray [A].

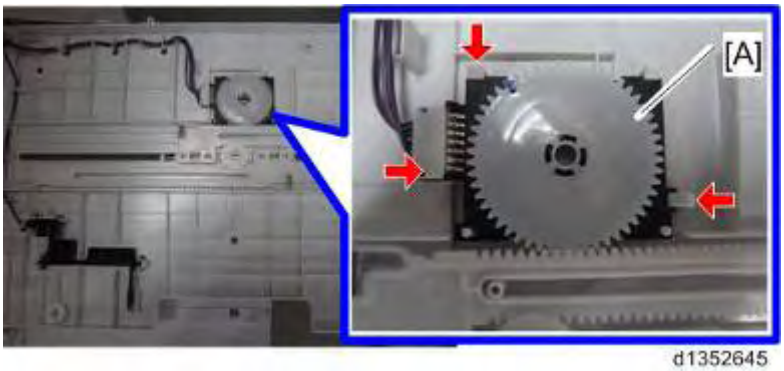
d1352643

2. Remove the bottom plate [A] of the by-pass tray and turn it over (x 5).



d1352644

3. By-pass paper width sensor [A] (hook x 2, x 1)



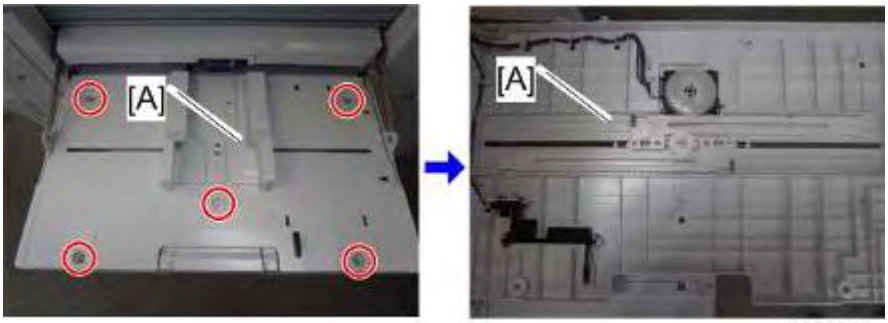
d1352645

4.21.5 BY-PASS PAPER LENGTH SENSOR

1. Open the by-pass tray [A].

d1352643

2. Remove the bottom plate [A] of the by-pass tray and turn it over (x 5).



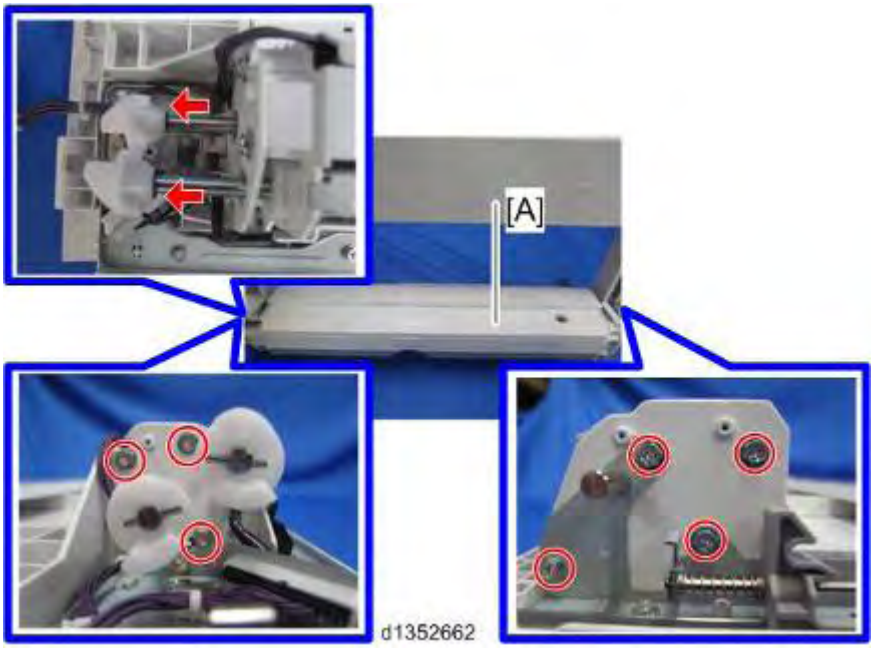
d1352644

3. By-pass paper length sensor [A] (x 1, hooks)

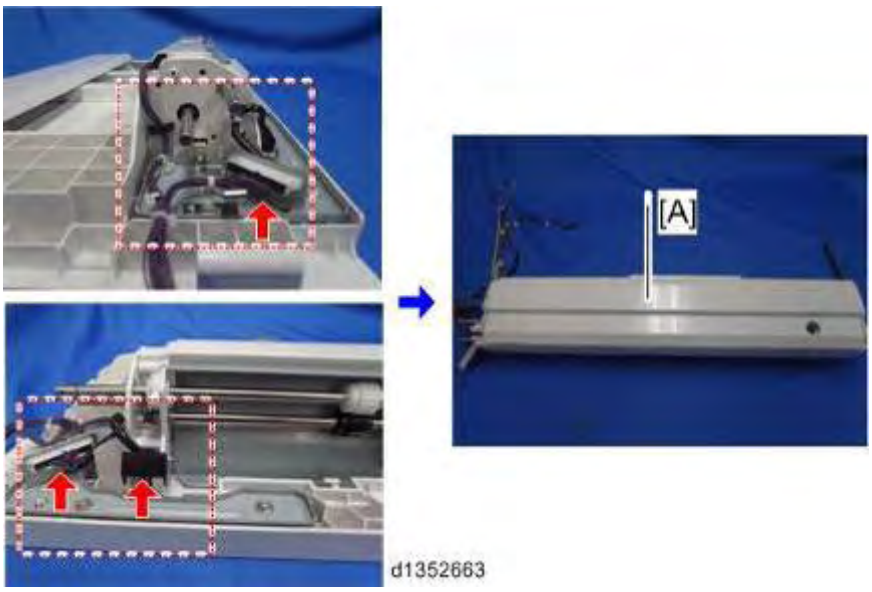
d1352646

4.21.6 BY-PASS PAPER FEED SENSOR

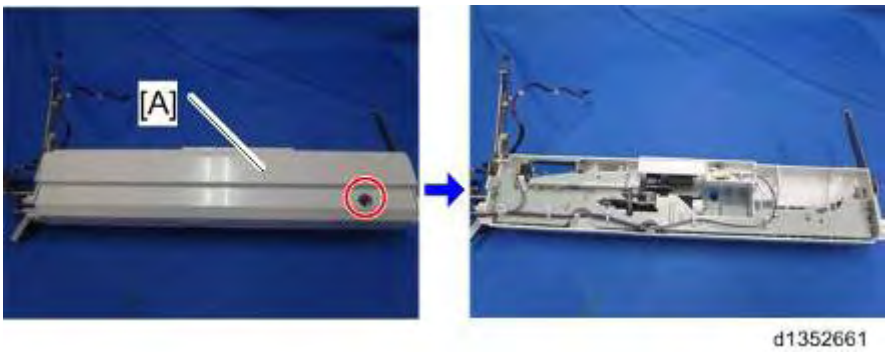
1. Separate the paper feed unit and bottom plate of the by-pass tray unit. (☛page 4-294 "By-pass Tray Unit Removal")
2. Remove the fixing screws (x 7) and joints (x 2) of the by-pass paper feed unit [A] (x 2)



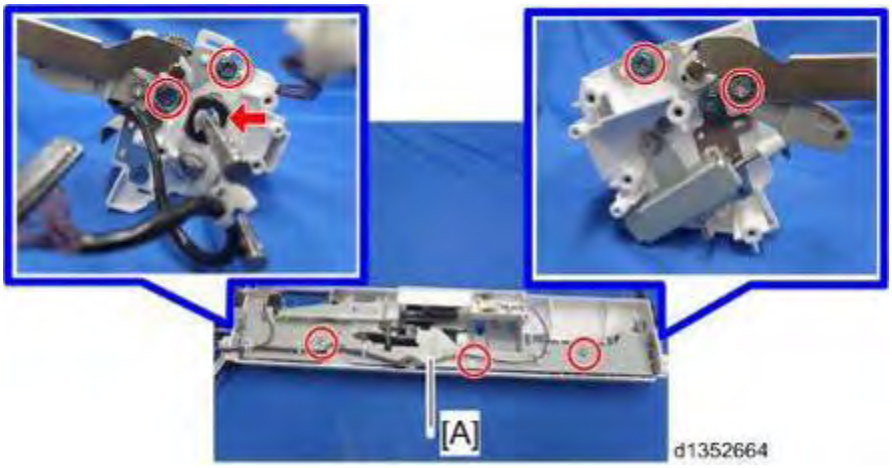
3. Remove the connectors and clamps, then take out the paper feed unit [A].



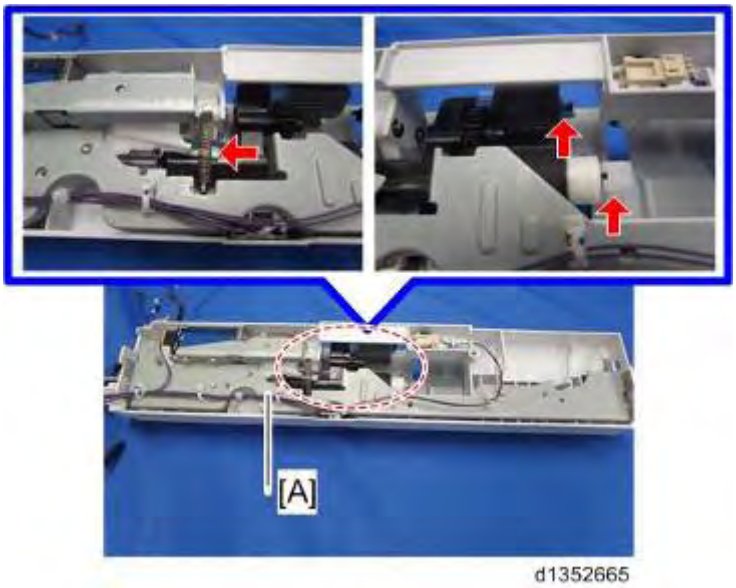
4. By-pass paper feed unit cover [A] (x 1)



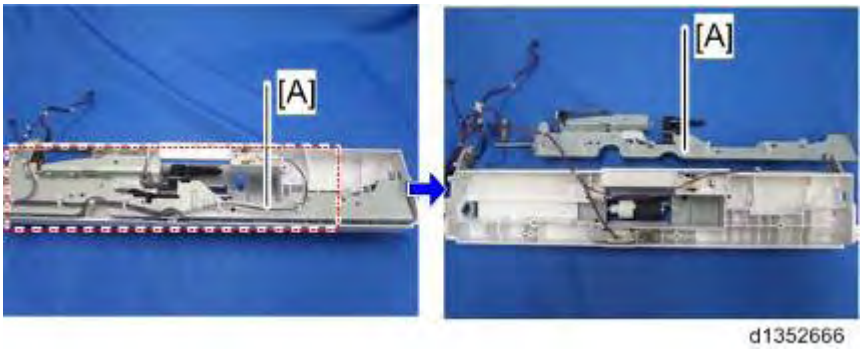
5. Bracket [A] of the by-pass paper feed unit (x 7, x 1)



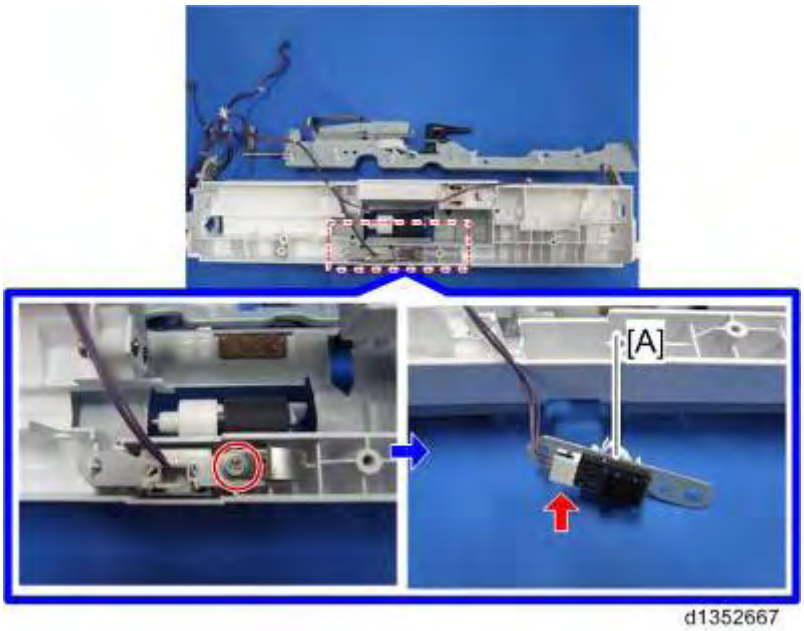
6. Bracket [A] for the by-pass paper feed unit (by-pass pick-up roller, by-pass feed roller, spring x 1)



7. Lift the bracket [A] to remove (all s, all s).

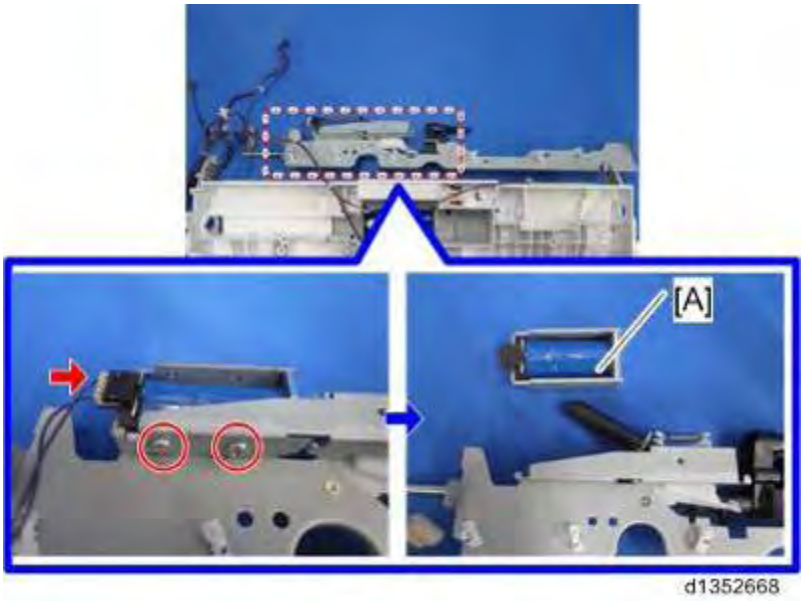


8. By-pass paper feed sensor [A] (x 1, x 1)



4.21.7 BY-PASS PICK-UP SOLENOID

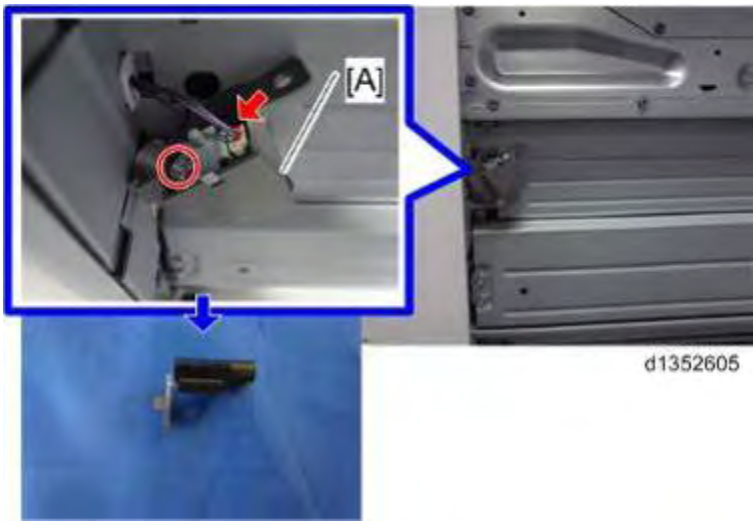
1. Bracket of the by-pass paper feed unit (☛ page 4-301 "By-pass Paper Feed Sensor")
2. By-pass pick-up solenoid [A] (x 2, x 1)



4.21.8 BY-PASS TRAY LED CONNECTOR (RED)

1. Open the by-pass tray unit and remove the LED cover [A] (x 1).

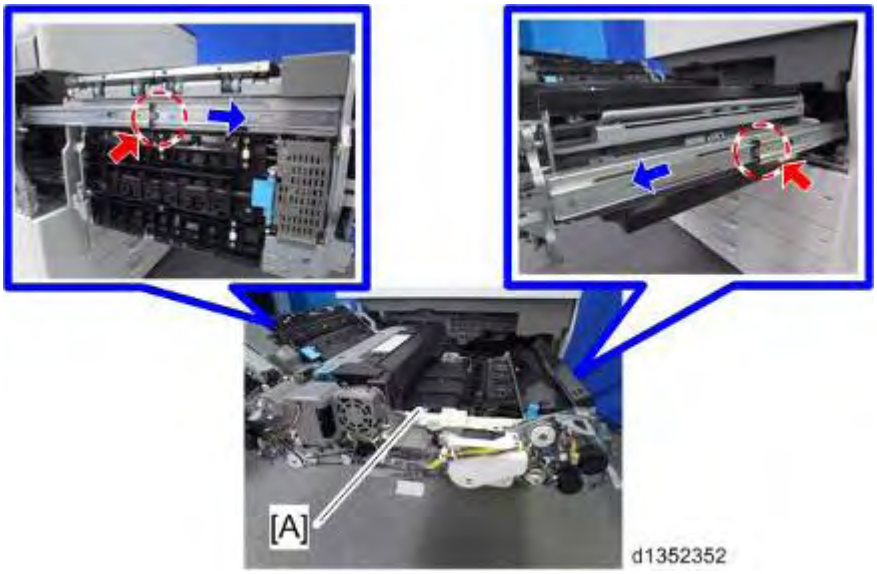
2. By-pass tray LED connector (Red) [A] (x 1, x 1)



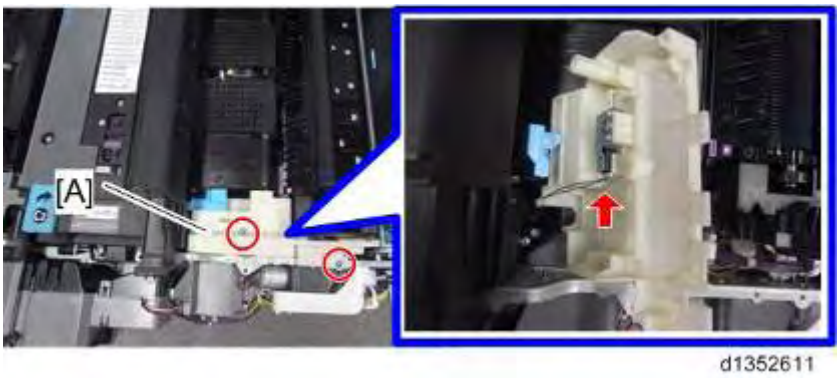
4.22 PAPER RELAY AND REGISTRATION SECTION

4.22.1 REGISTRATION UNIT

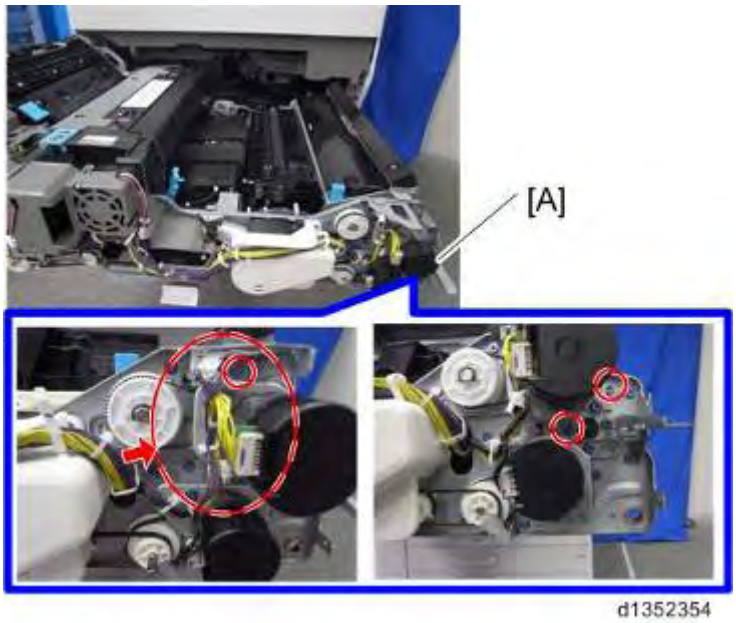
1. Drawer unit cover (☛ page 4-69)
2. In order to facilitate the work, press the release lever to fully open the drawer unit [A].



3. Inner cover [A] (x 2, x 1)



4. Registration motor [A] along with the bracket (x 3, x 4, x 3, timing belt x 1)



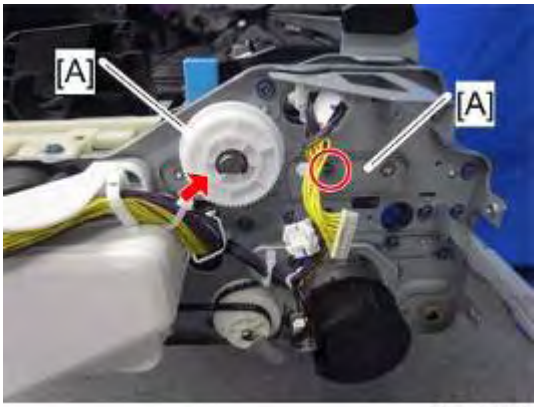
d1352354

Note

- When installing the motor, attach the timing belt.

d1352399

5. Timing pulley [A] and positioning bracket [B] (x 1, x 1)



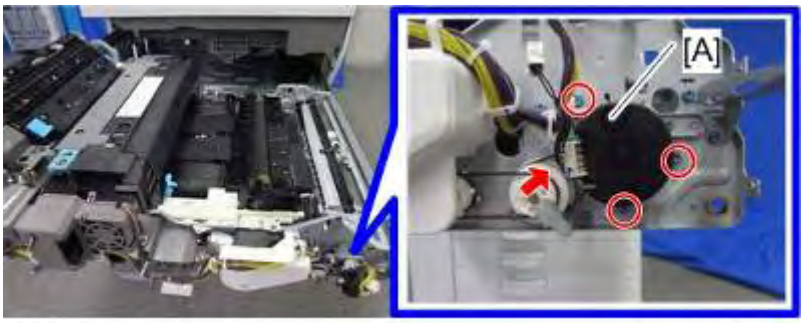
d1352355

6. Remove the registration unit [A] by sliding it to the left.

d1352356

4.22.2 RELAY UNIT

1. Registration unit (☛ page 4-306)
2. Duplex exit motor [A] along with the bracket (🔩 x 3, timing belt x 1)



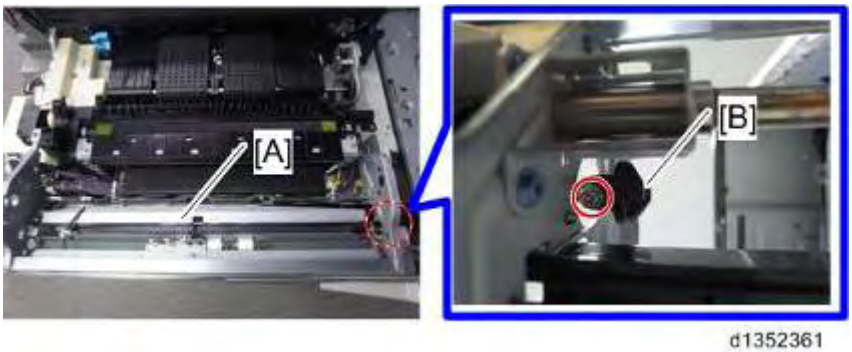
d1352360

Note

- When installing the motor, attach the timing belt.

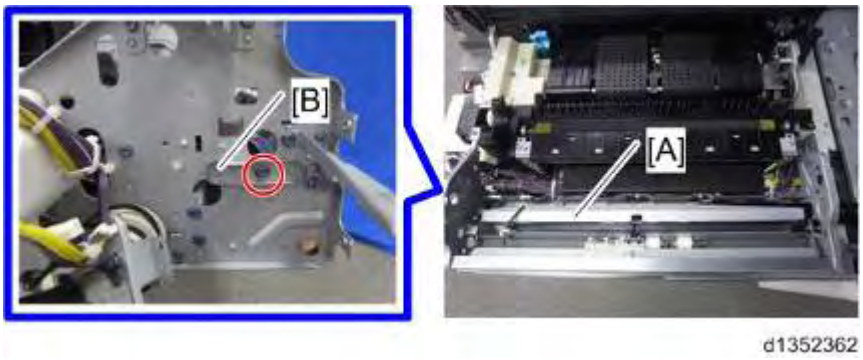
d1352363

3. Joint [B] of the relay unit [A] from the bottom (🔩 x 1)



d1352361

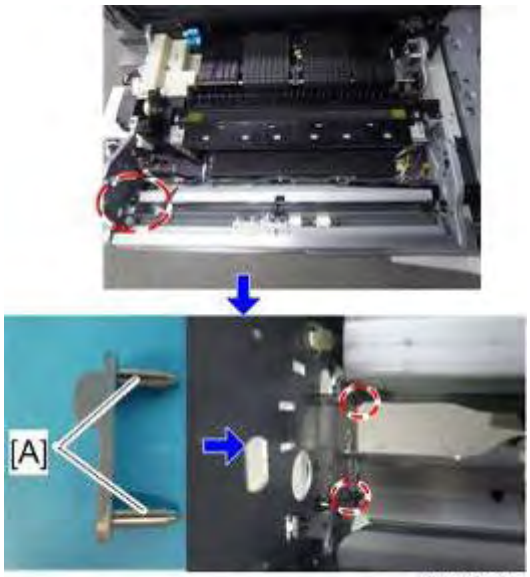
4. Positioning bracket [B] of the relay unit [A] (x 1)



d1352362

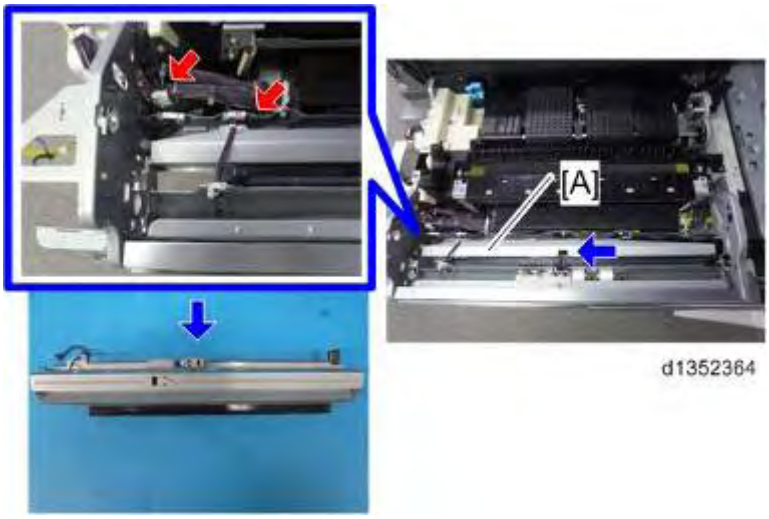
Note

- When installing, the positioning pin [A] must be within the hole in the relay unit.



d1352385

5. Remove the relay unit [A] by sliding it to the left (x 1, x 1).



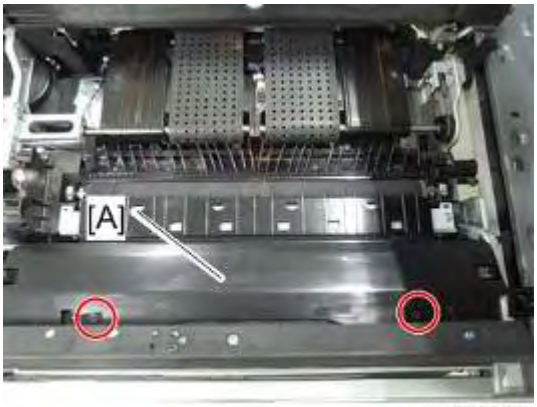
d1352364

4.22.3 REGISTRATION SENSOR

1. Open the drawer unit cover [A].

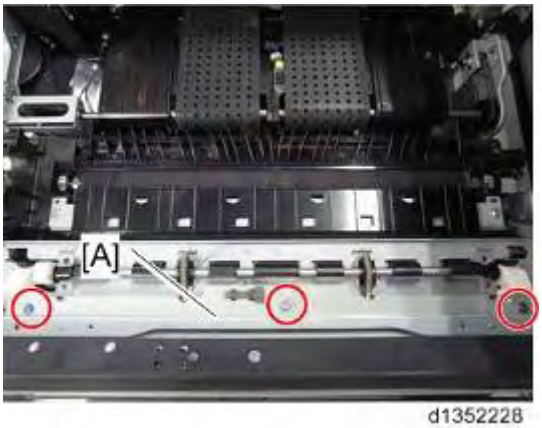
d1352123

2. Registration unit cover [A] (x 2)



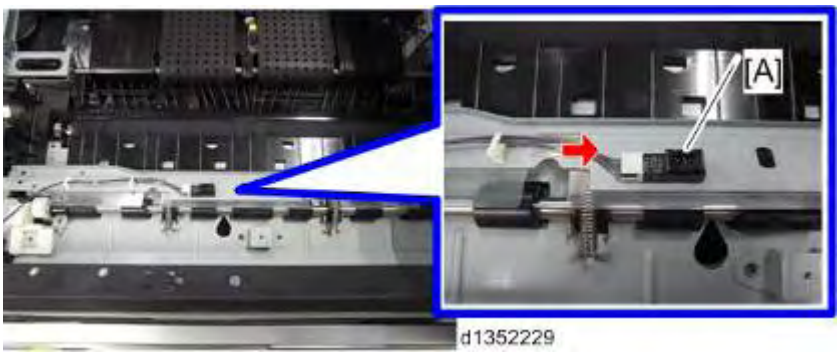
d1352227

3. Bracket [A] (x 3)



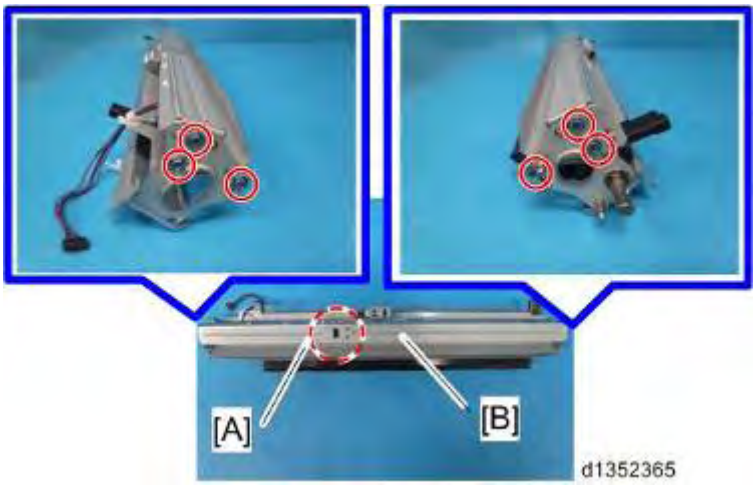
d1352228

4. Registration sensor [A] (x 1)

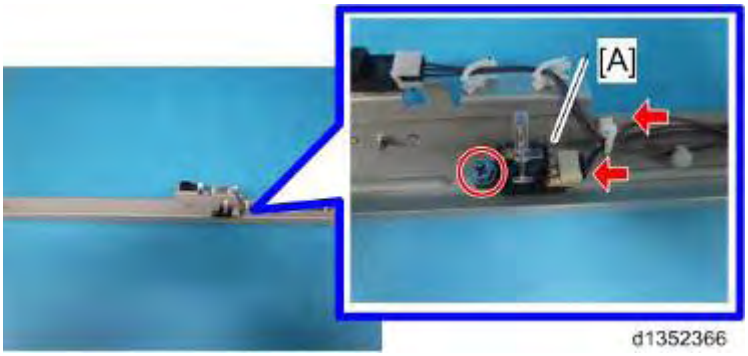


4.22.4 PAPER TYPE SENSOR

1. Relay unit (☛ page 4-308)
1. Relay unit bracket where the paper type sensor [A] is located (x 6)



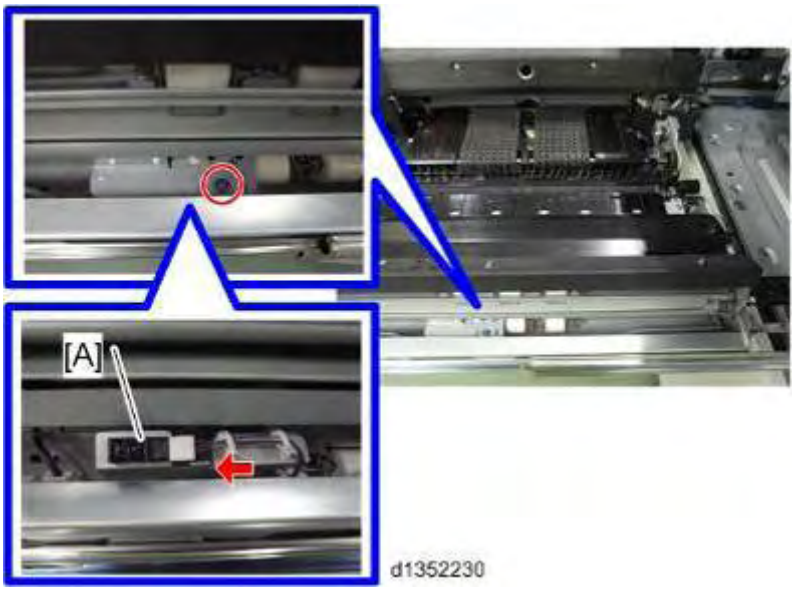
2. Paper type sensor [A] (x 1, x 1, x 1)



4.22.5 RELAY SENSOR

1. Open the drawer unit cover [A].

2. Relay sensor [A] (x 1, x 1)



4.22.6 BY-PASS TRAY PAPER TYPE SENSOR

1. Open the drawer unit cover [A].

2. Cover [A] (x 2)

3. Bracket [A] (x 2)

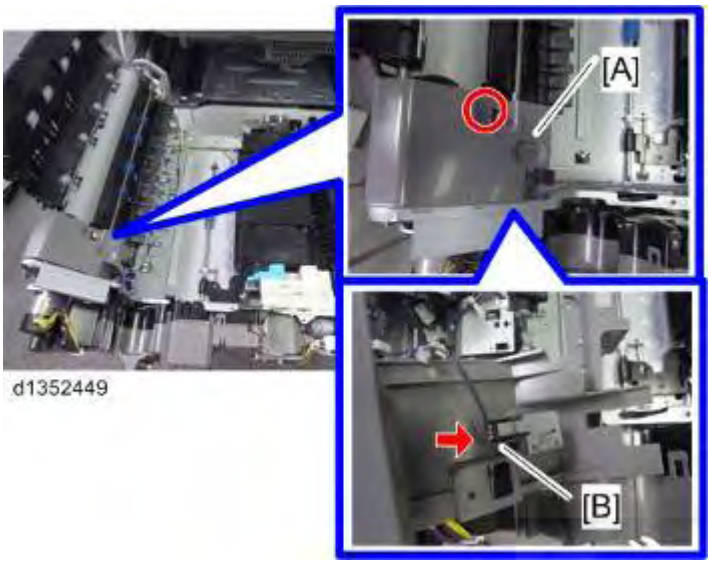
4. Turn over the bracket and remove the by-pass tray paper type sensor [A] (x 1, x 1).

[A]
d1352233

4.23 PAPER EXIT AND DUPLEX UNIT

4.23.1 PAPER EXIT UNIT

1. Drawer unit cover (☛ page 4-69)
2. Fusing unit (☛ page 4-211)
3. Remove the paper exit inner cover [A] (🔩 x 1) and turn it over, then disconnect the connector [B].

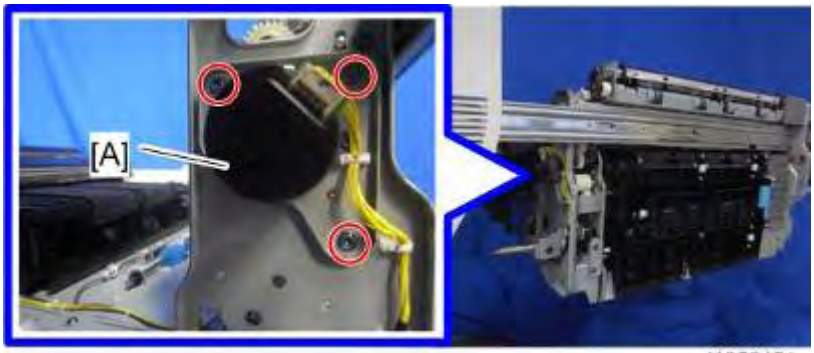


4. Cover [A] (🔩 x 2)

5. Connector bracket [A] (🔩 x 2)

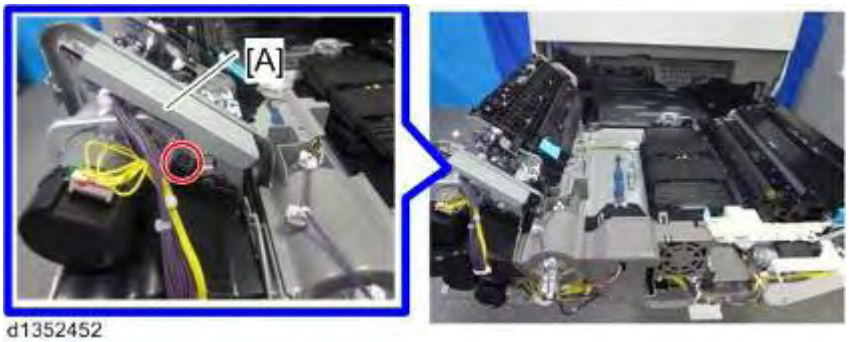
d1352450

6. Inverter exit motor [A] along with the bracket (x 3)



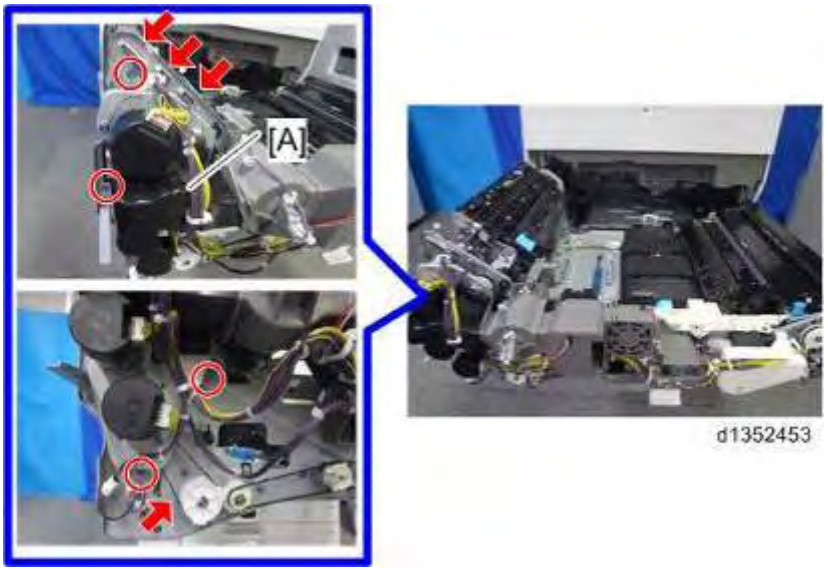
d1352451

7. Harness cover [A] (x 1)

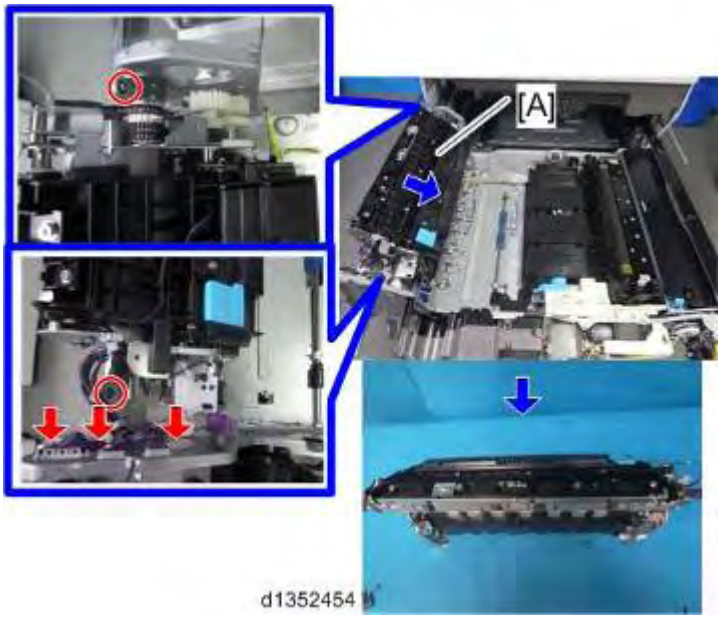


d1352452

8. Motor assembly [A] along with the bracket (x 4, x 3, timing belt x 1)

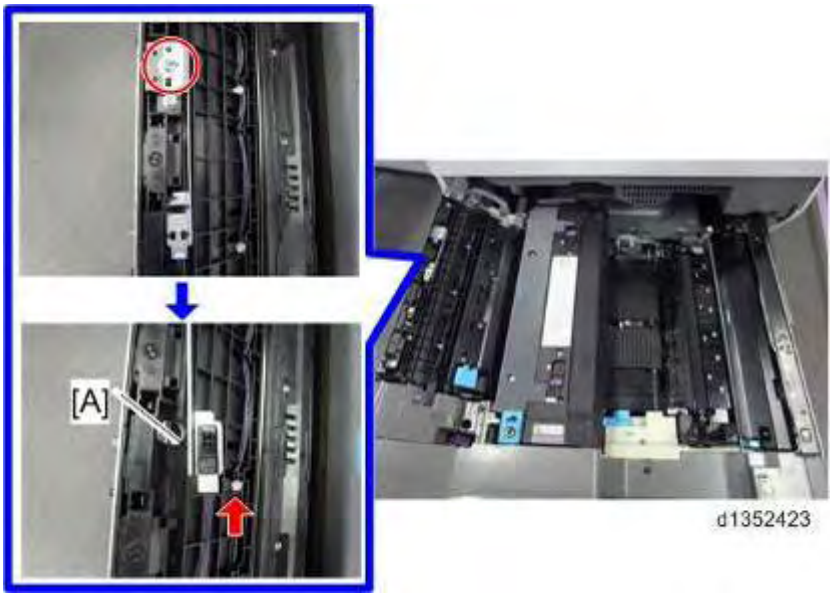


9. Paper exit unit [A] (x 2, x 3)



4.23.2 PAPER EXIT SENSOR

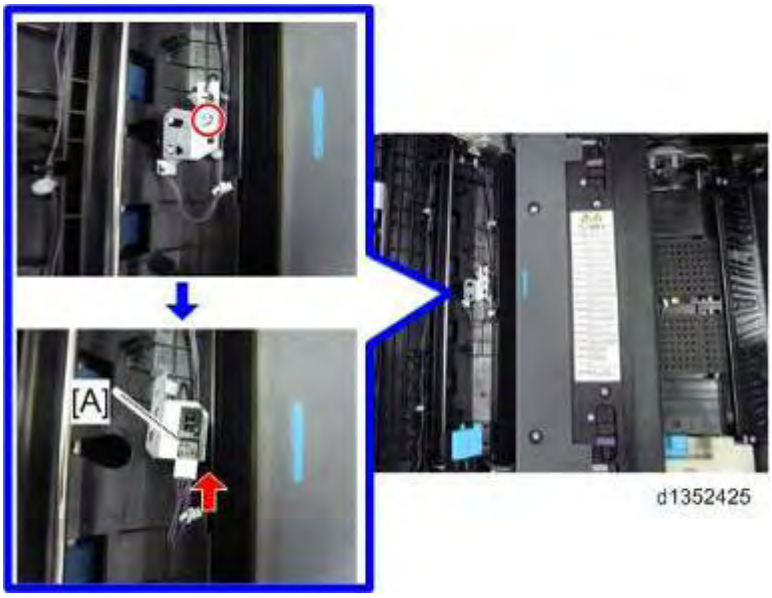
1. Open the drawer unit.
2. Paper exit sensor [A] (x 1, x 1)



4.23.3 PAPER EXIT RELAY SENSOR

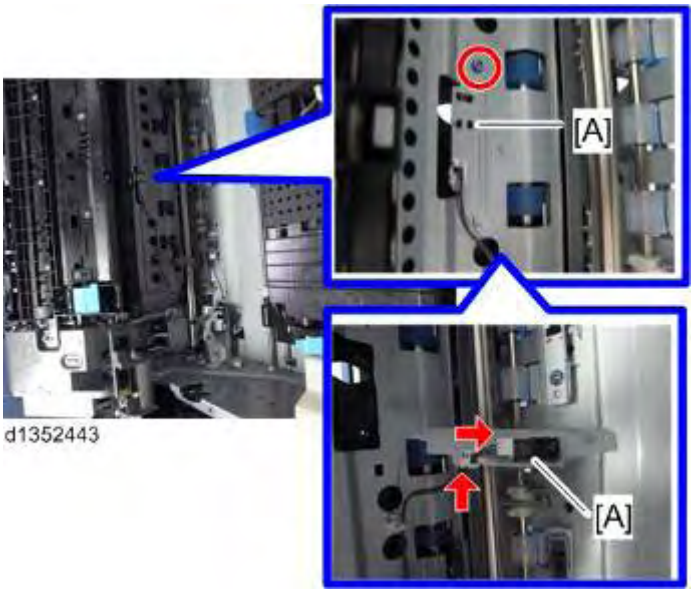
1. Open the drawer unit.
2. Guide plate [A] (x 4)

3. Paper exit relay sensor [A] (x 1, x 1)



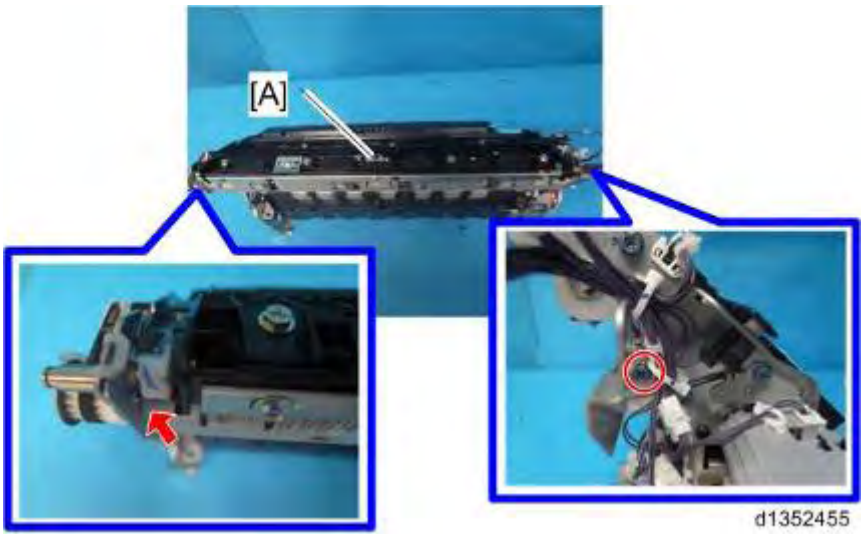
4.23.4 INVERTER EXIT SENSOR

1. Fusing unit (☛page 4-211)
2. Inverter exit sensor [A] (x 1, x 1, x 1)

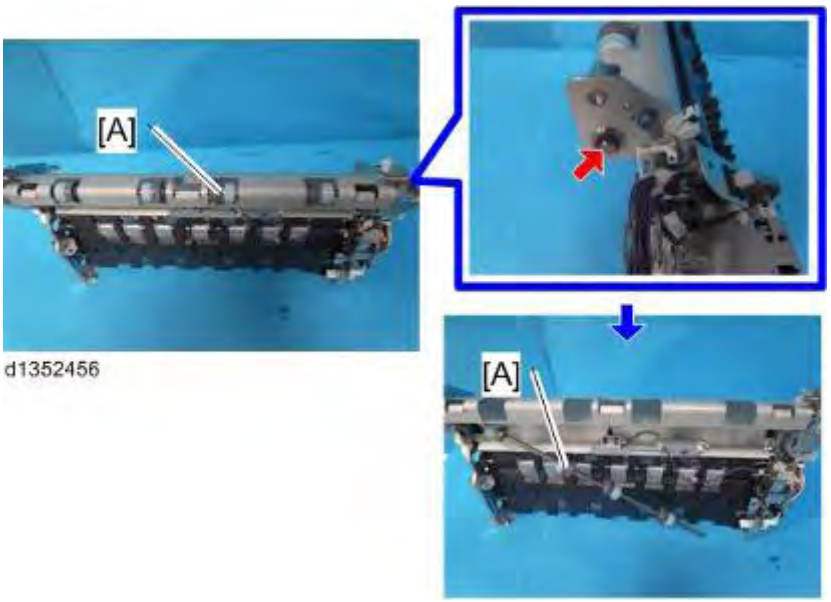


4.23.5 INVERTER FEED-IN SENSOR

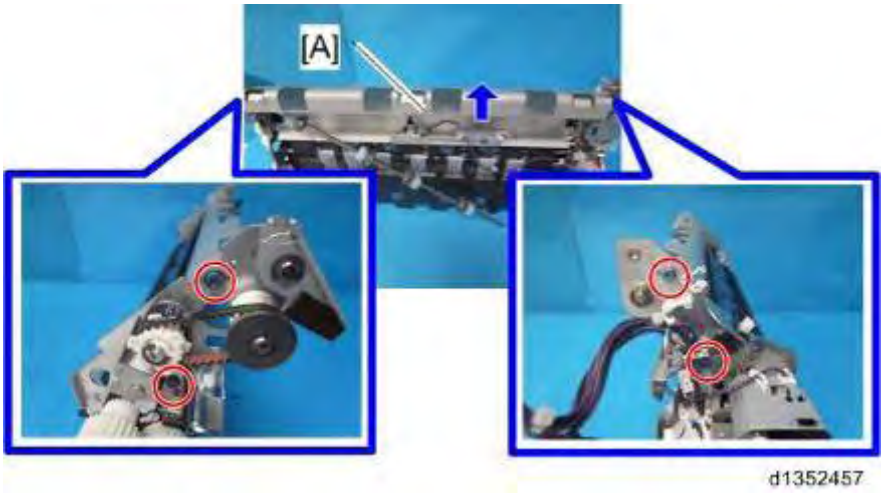
1. Paper exit unit (☛ page 4-315)
2. Guide plate [A] (x 1, x 1)



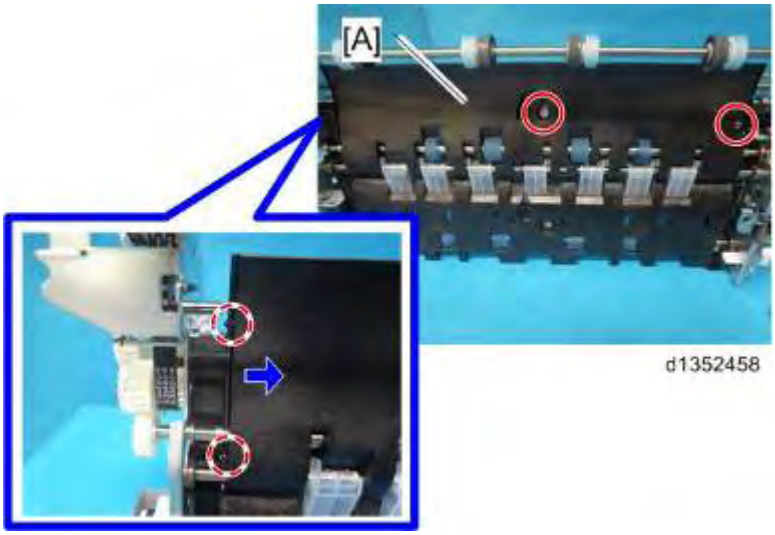
3. Roller [A] (x 1)



4. Guide plate [A] (x 4)

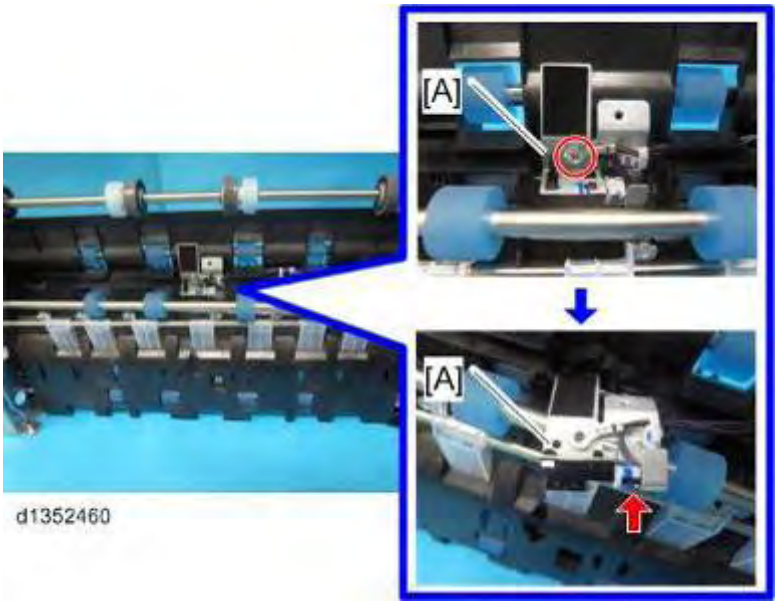


5. Remove the guide [A] by sliding it to the right (x 2, rib x 2).



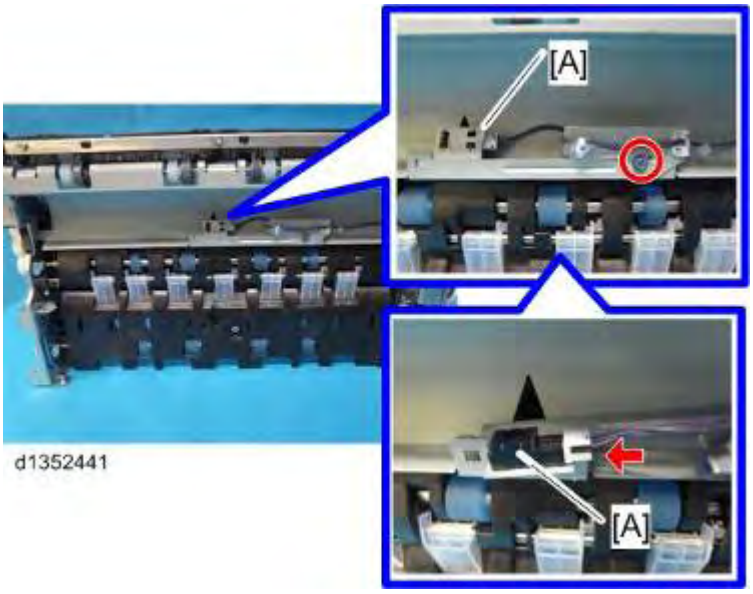
6. Right side of the roller [A] (x 1, Bearing x 1)

7. Inverter feed-in sensor [A] along with the bracket (x 1, x 1)



4.23.6 INVERTER FEED-OUT SENSOR

1. Paper exit unit (☛ page 4-315)
2. Inverter feed-out sensor [A] (x 1, x 1)

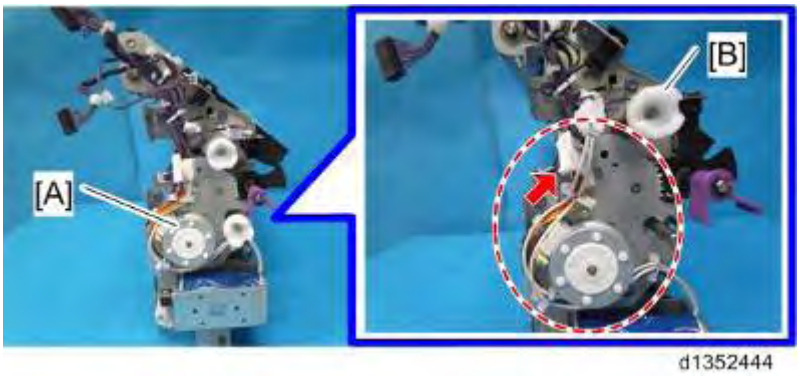


4.23.7 INVERTER JUNCTION GATE HOME POSITION SENSOR

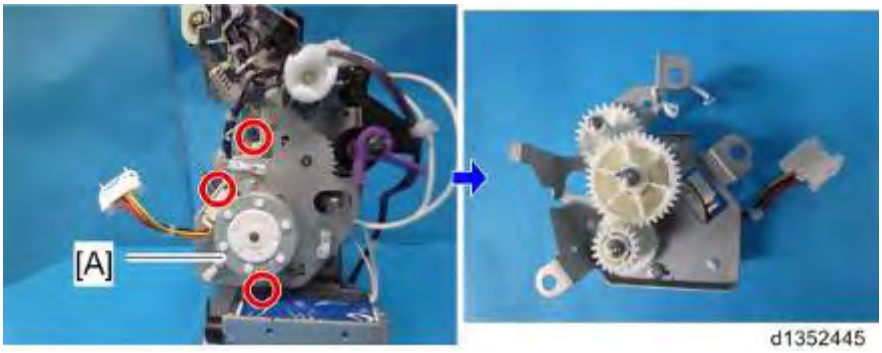
1. Paper exit unit (☛ page 4-315)
2. Inverter junction gate home position sensor [A] (x 1)

4.23.8 INVERTER JUNCTION GATE MOTOR

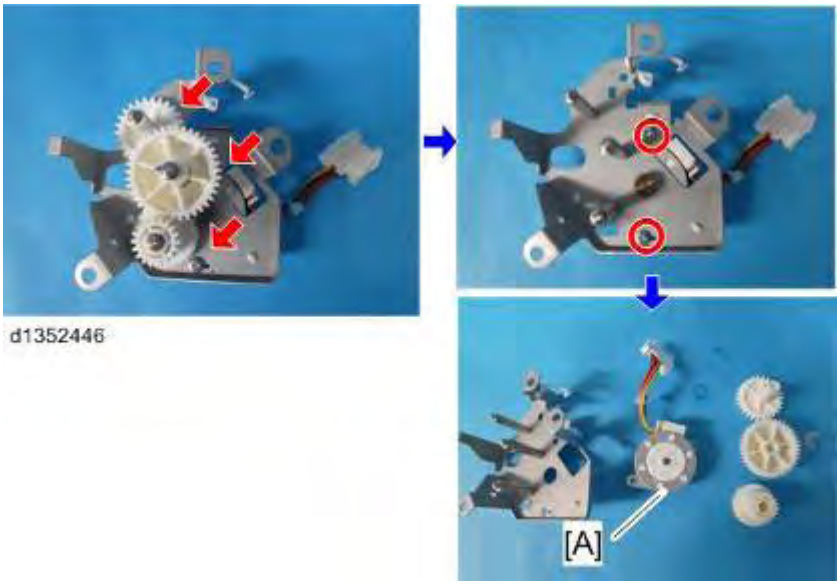
1. Paper exit unit (☛ page 4-315)
2. Before removing the inverter junction gate motor [A] along with the bracket, remove the joint [B] and connctors.



3. Inverter junction gate motor [A] along with the bracket (gear x 2, x 3)



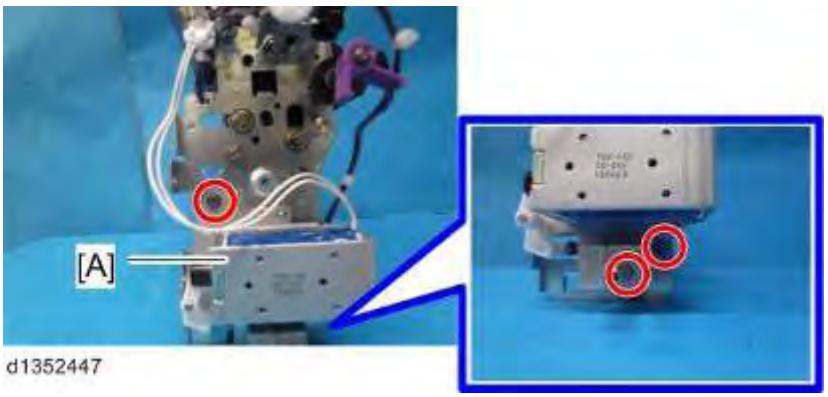
4. Inverter junction gate motor [A] (x 2)



d1352446

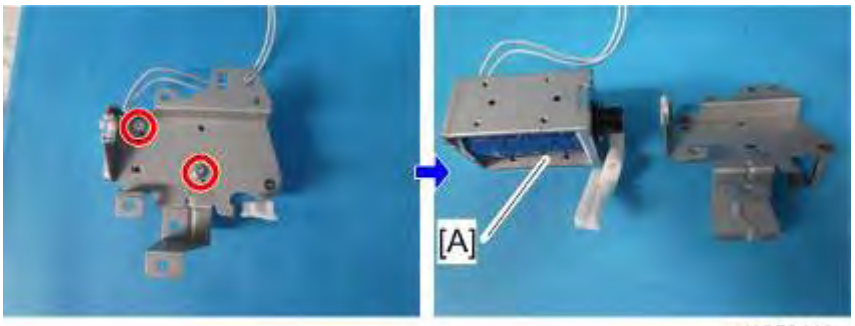
4.23.9 DUPLEX INVERTER SOLENOID

1. Inverter junction gate motor (☛ page 4-323)
2. Duplex inverter solenoid [A] along with the bracket (🔩 x 3)



d1352447

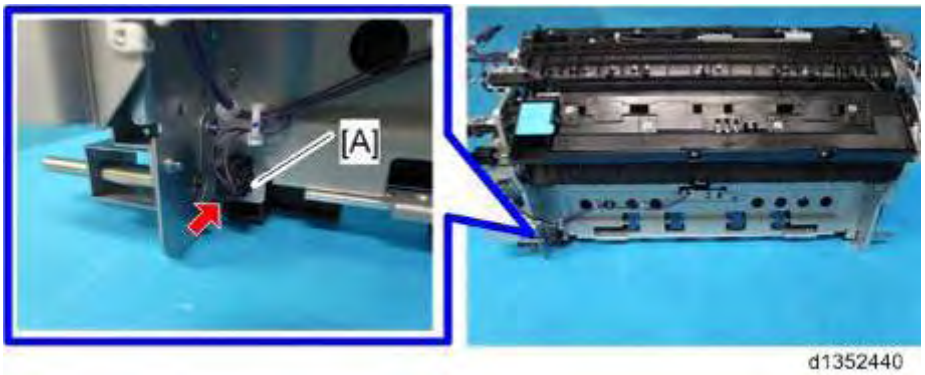
3. Duplex inverter solenoid [A] (🔩 x 2)



d1352448

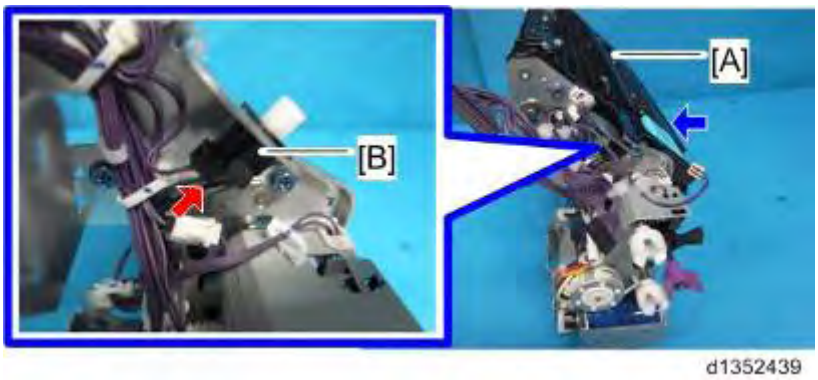
4.23.10 PAPER EXIT LEFT GUIDE PLATE SENSOR

1. Paper exit unit (☛ page 4-315)
2. Paper exit left guide plate sensor [A] (x 1)



4.23.11 PAPER EXIT UPPER GUIDE PLATE SENSOR

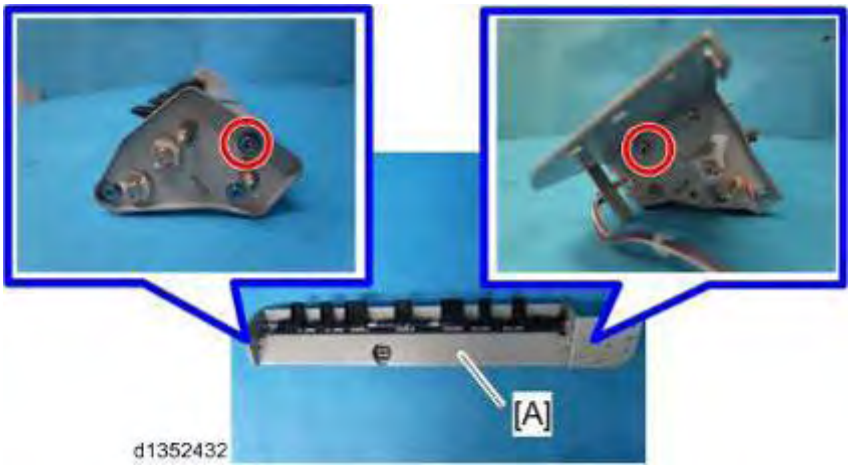
1. Paper exit unit (☛ page 4-315)
2. Open the paper exit upper guide plate [A] and remove the paper exit upper guide plate sensor [B] (x 1)



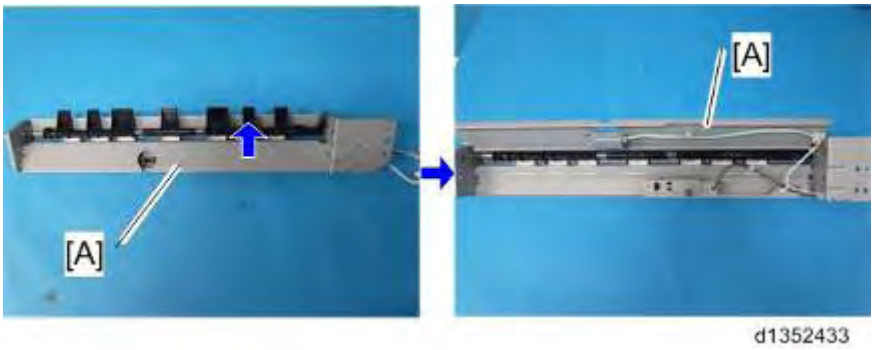
4.24 DUPLEX UNIT

4.24.1 PURGE RELAY SENSOR / DUPLEX INVERT SENSOR

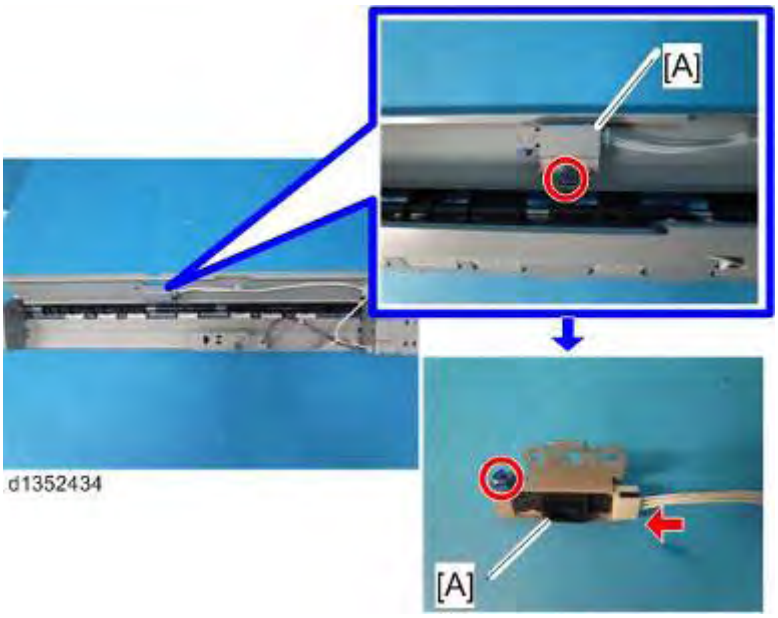
1. Paper purge unit (☛ page 4-339)
2. Duplex invert solenoid (☛ page 4-328)
3. Remove the fixing screws of the guide plate [A] (x 2).



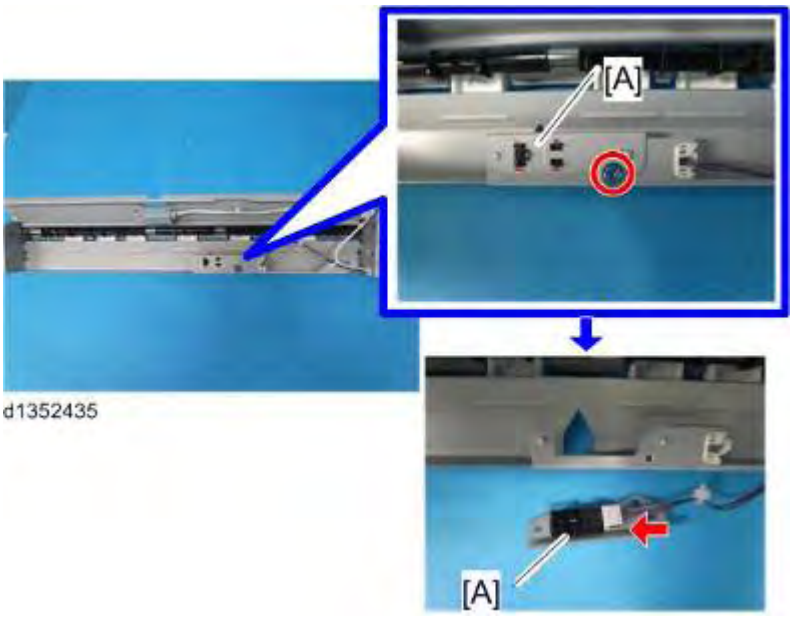
4. Open the guide plate [A].



5. Purge relay sensor [A] along with the bracket (x 2, x 1)

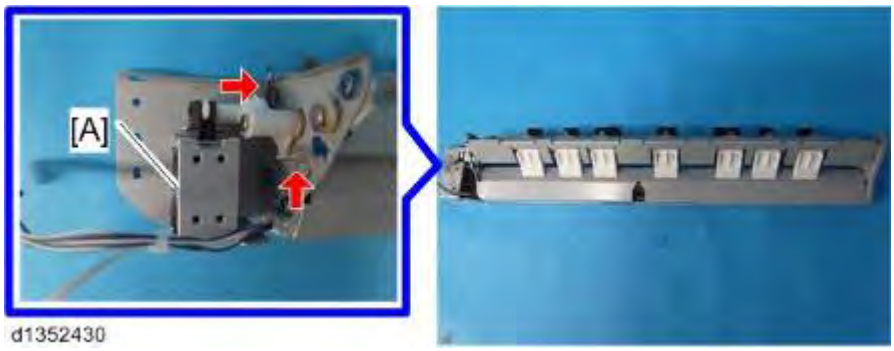


6. Duplex invert sensor [A] along with the bracket (x 1, x 1)

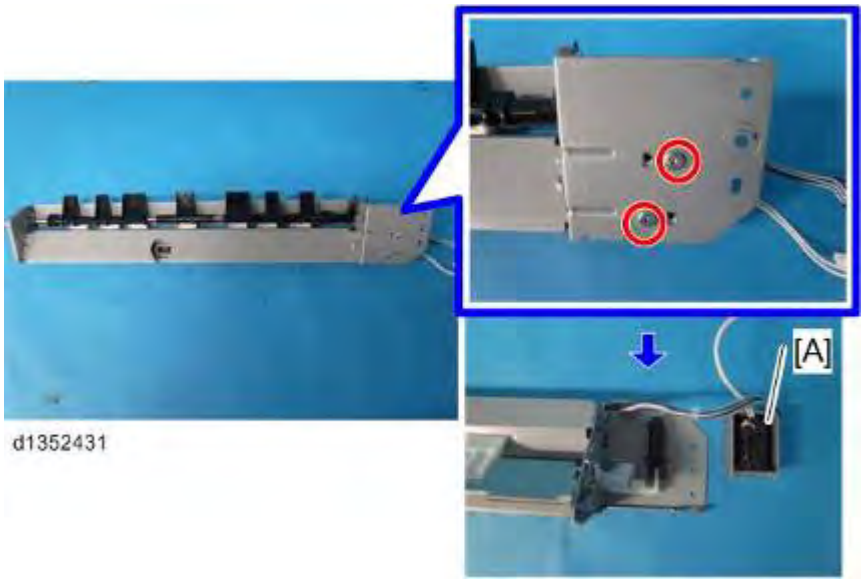


4.24.2 DUPLEX INVERT SOLENOID

1. Paper purge unit (☛ page 4-339)
2. Remove the springs of the duplex invert solenoid [A] (spring x 2).



3. Duplex invert solenoid [A] (x 2)



⇒ **IMPORTANT**:
Make sure to use **M3x4** screws to fasten the duplex inverter solenoid [A]. If longer screws are used, they may touch and damage the solenoid.

4.24.3 DUPLEX UNIT ENTRANCE SENSOR

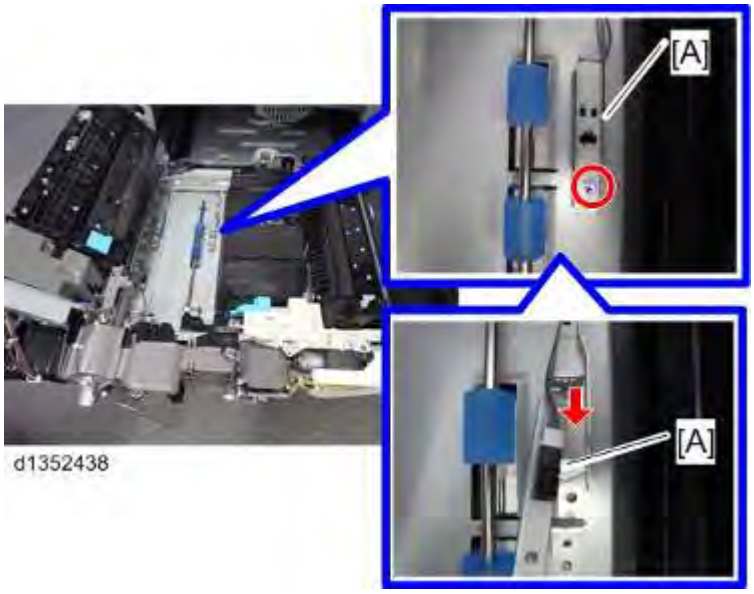
1. Fusing unit (☛ page 4-211)
2. Duplex unit entrance sensor [A] (x 1, x 1)

4.24.4 DUPLEX UNIT SENSOR 1

1. Fusing unit (☛ page 4-211)
2. Duplex unit sensor 1 [A] (x 1, x 1)

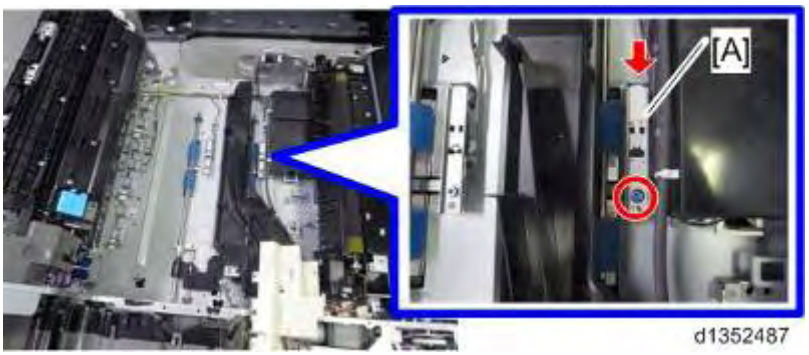
4.24.5 DUPLEX UNIT SENSOR 2

1. Fusing unit (☛ page 4-211)
2. Duplex unit sensor 2 [A] (x 1, x 1)



4.24.6 DUPLEX UNIT SENSOR 3

1. Paper transport belt unit (☛ page 4-253)
2. Duplex unit sensor 3 [A] (x 1, x 1)

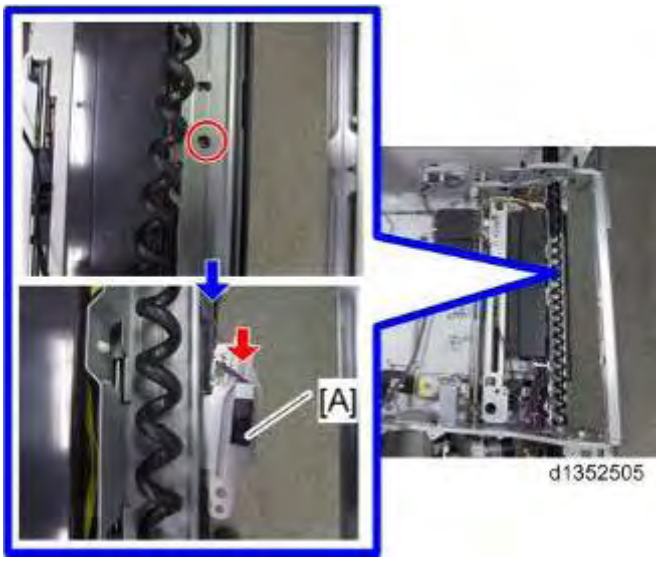


4.24.7 DUPLEX UNIT SENSOR 4

1. Edge detection unit (☛ page 4-335)
2. Duplex unit sensor 4 [A] (x 1, x 1)

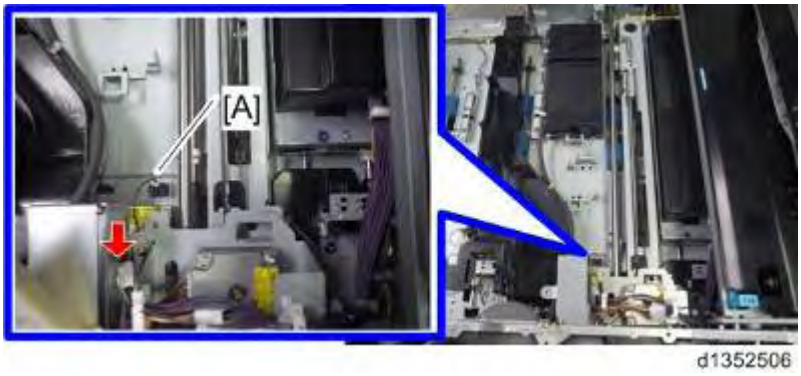
4.24.8 DUPLEX EXIT SENSOR

1. Relay Unit (☛ page 4-308)
2. Duplex exit sensor [A] (x 1, x 1)

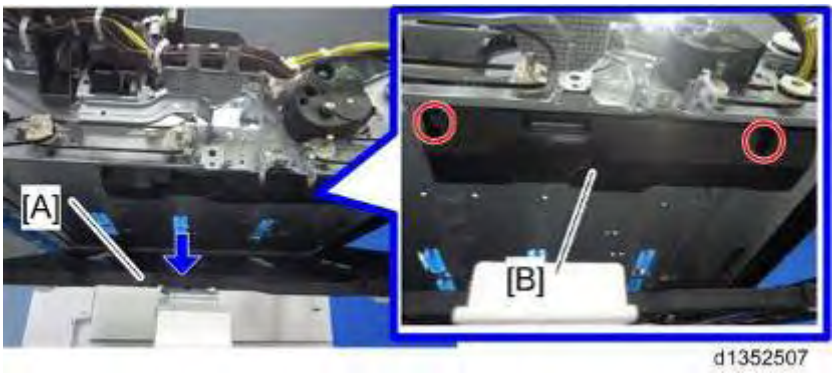


4.24.9 HORIZONTAL FEED GUIDE PLATE OPEN SENSOR

1. Paper transport belt unit (☛ page 4-253)
2. Paper transfer roller unit (☛ page 4-204)
3. Remove the connector of the horizontal feed guide plate open sensor [A]



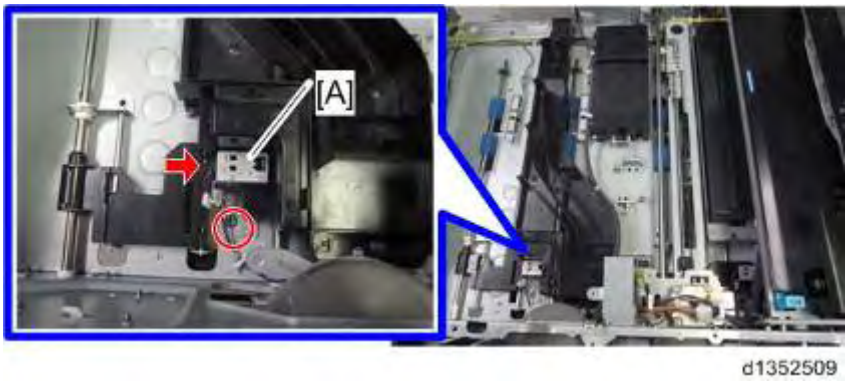
4. Open the horizontal feed guide plate [A] and remove the cover [B] (x 2).



5. Horizontal feed guide plate open sensor [A]

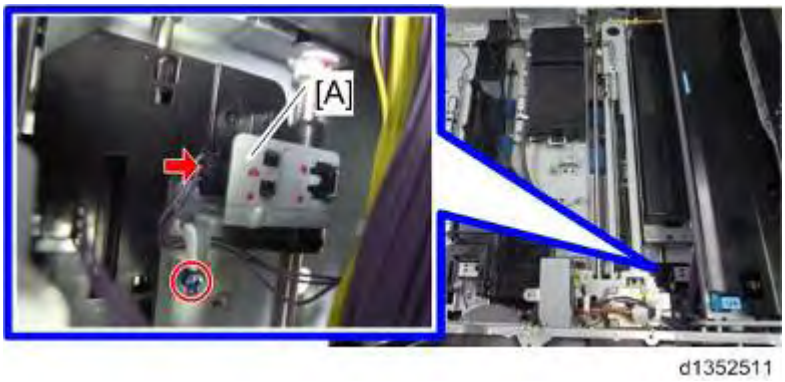
4.24.10 ROLLER HP SENSOR 1

1. Paper transport belt unit (☛ page 4-253)
2. Roller HP sensor 1 [A] (x 1, x 1)



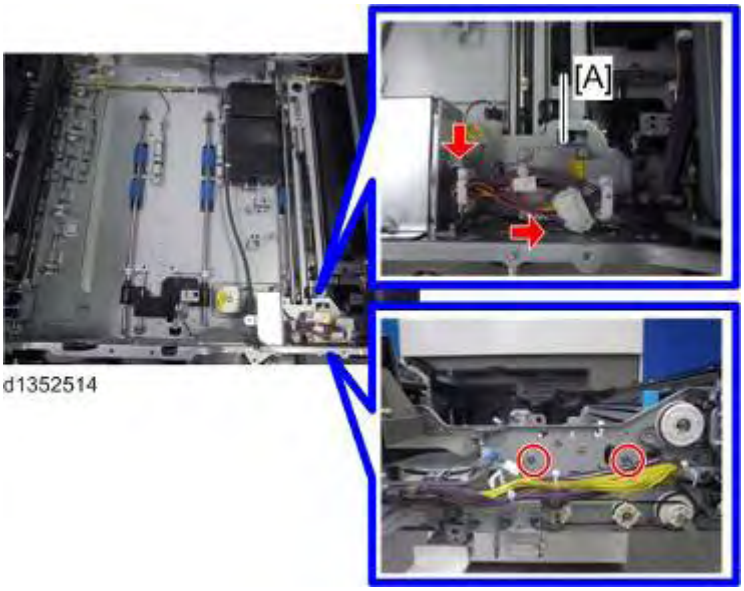
4.24.11 ROLLER HP SENSOR 2

1. Paper transport belt unit (☛ page 4-253)
2. Paper transfer roller unit (☛ page 4-204)
3. Roller HP sensor 2 [A] (x 1, x 1)

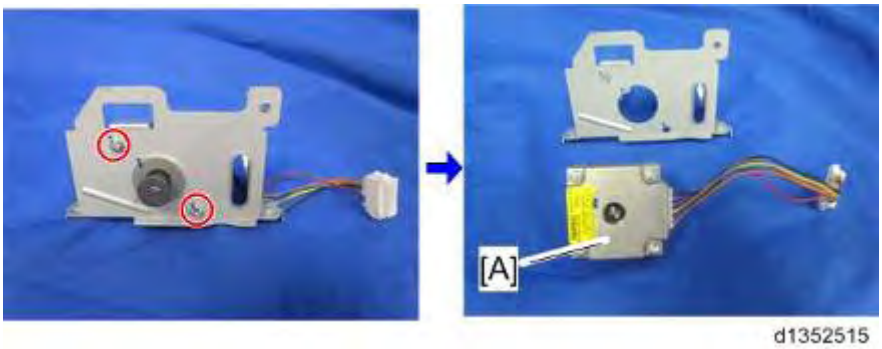


4.24.12 SENSOR SHIFT MOTOR

1. Paper transport belt unit (☛ page 4-253)
2. Paper transfer roller unit (☛ page 4-204)
3. Drawer unit lock motor block (☛ page 4-70 "If the Drawer is Locked")
4. Sensor shift motor [A] along with the bracket (x 2, x 1, x 1)



5. Sensor shift motor [A] (x 2)

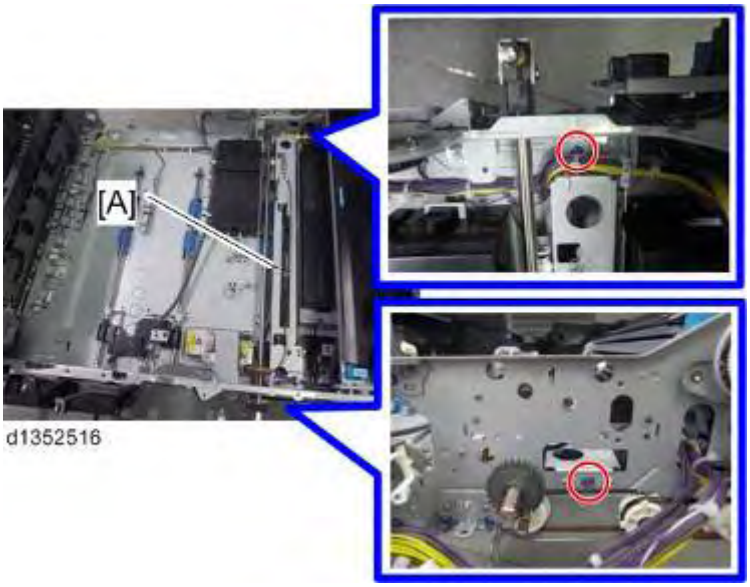


Note

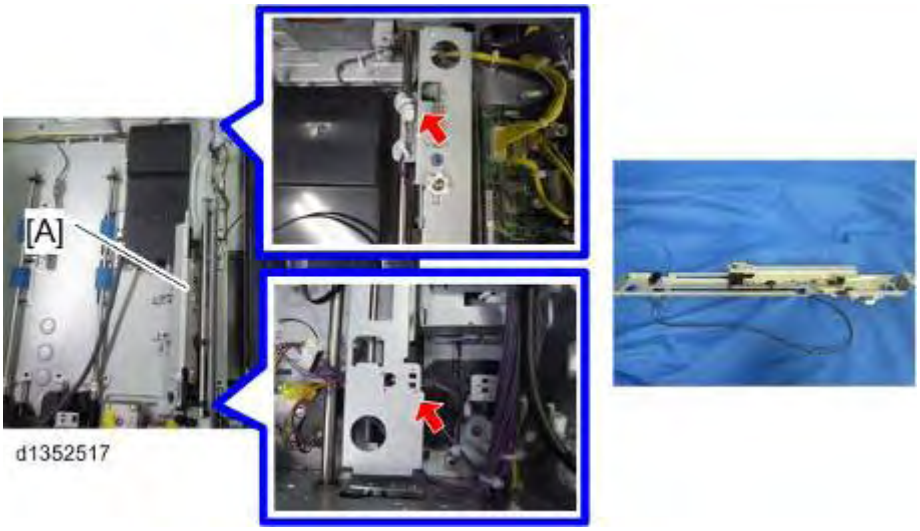
- When installing the motor, attach the timing belt at the edge detection unit.

4.24.13 EDGE DETECTION UNIT

1. Sensor shift motor (☛ page 4-334)
2. Remove the fixing screws of the edge detection unit [A] (x 2).

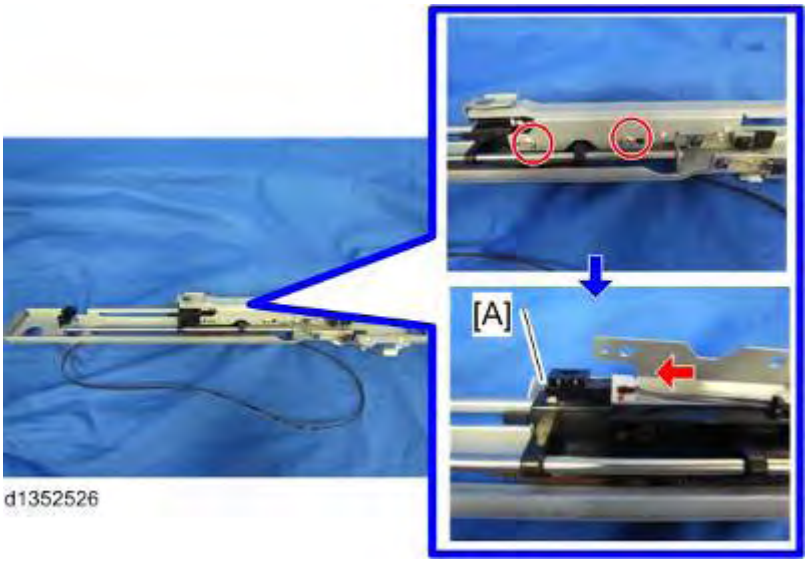


3. Edge detection unit [A] (x 2)



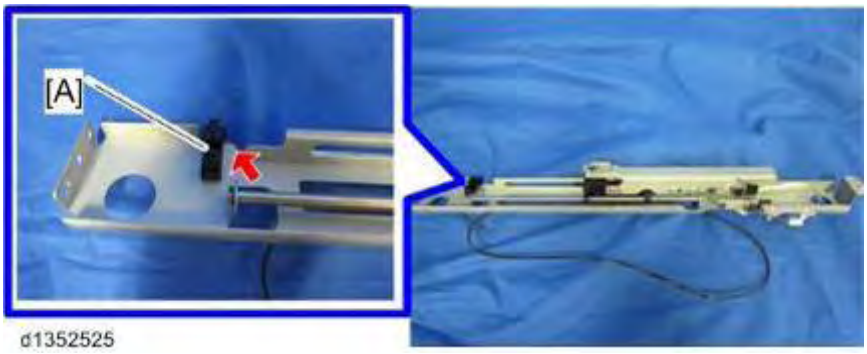
4.24.14 EDGE DETECTION SENSOR

1. Edge detection unit (☛ page 4-335)
2. Edge detection sensor [A] (x 2, x 1)



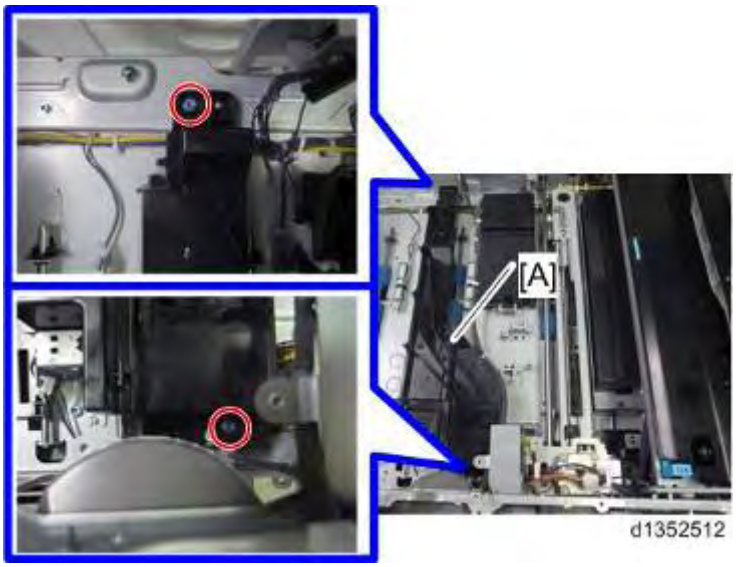
4.24.15 SENSOR SHIFT HP SWITCH

1. Edge detection unit (☛ page 4-335)
2. Sensor shift HP switch [A]

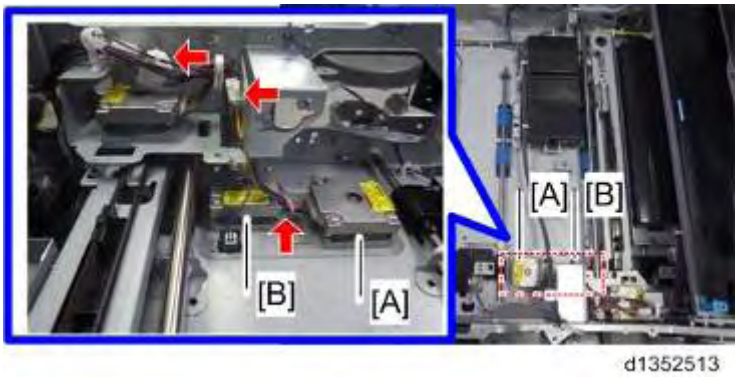


4.24.16 ROLLER SHIFT MOTOR 1 / ROLLER SHIFT MOTOR 2

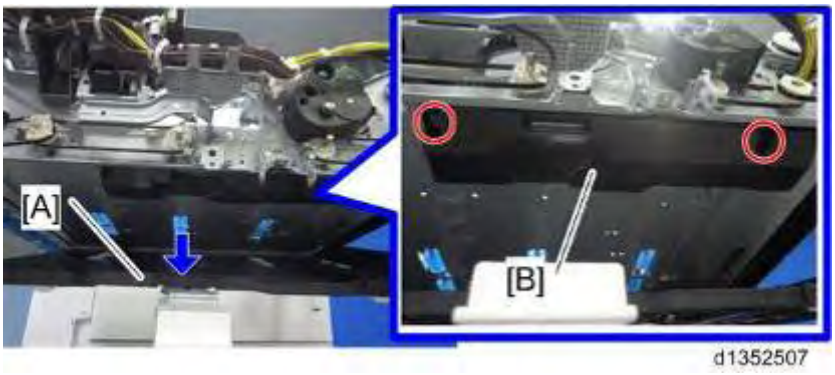
1. Paper transport belt unit (☛ page 4-253)
2. Paper transfer roller unit (☛ page 4-204)
3. Cover [A] (🔩 x 2)



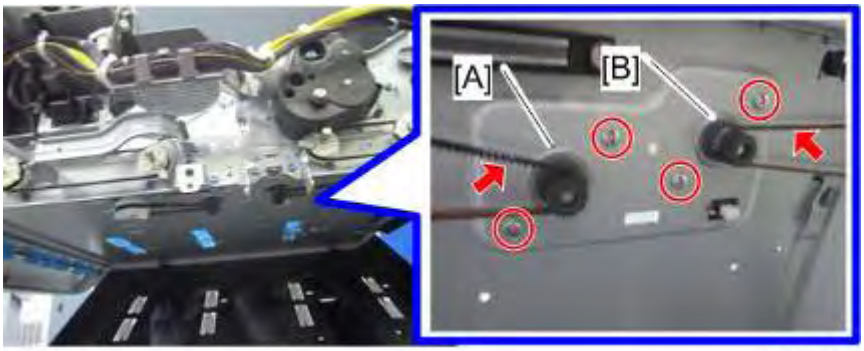
4. Disconnect the connectors and clamps at the roller shift motor 1 [A] / roller shift motor 2 [B].



5. Open the horizontal feed guide plate [A] and remove the cover [B] (🔩 x 2).



6. Roller shift motor 1 [A] / Roller shift motor 2 [B] (🔩 x 2 each, timing belt x 1 each)



d1352510

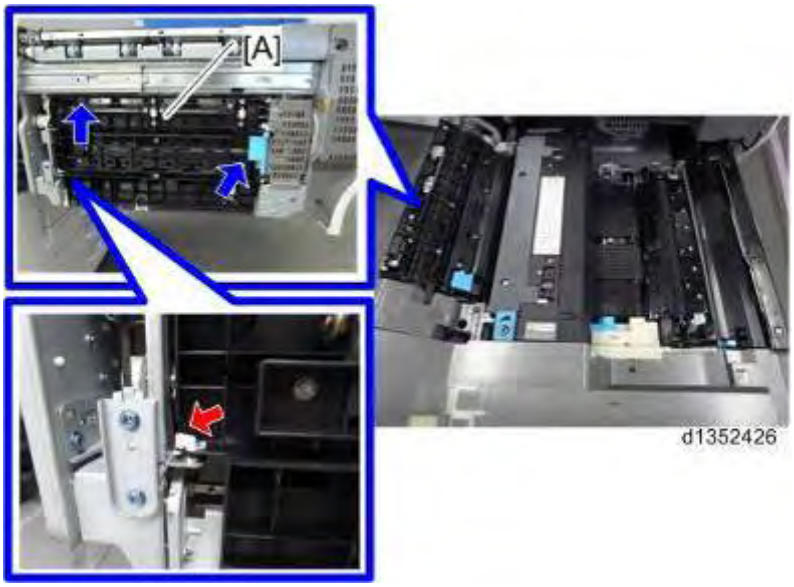
4.25 PAPER PURGE UNIT

4.25.1 PAPER PURGE UNIT

1. Open the drawer unit [A].

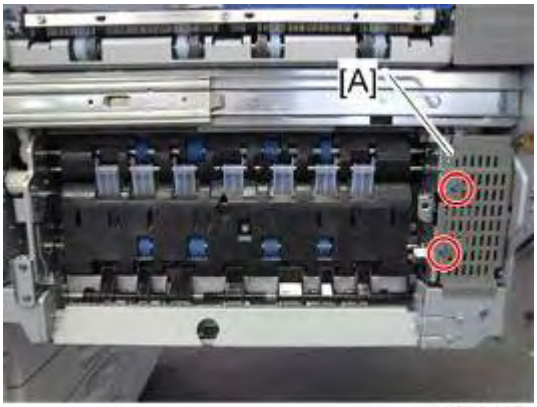
d1352123

2. Open the guide plate [A] and remove it upward (x 1).



d1352426

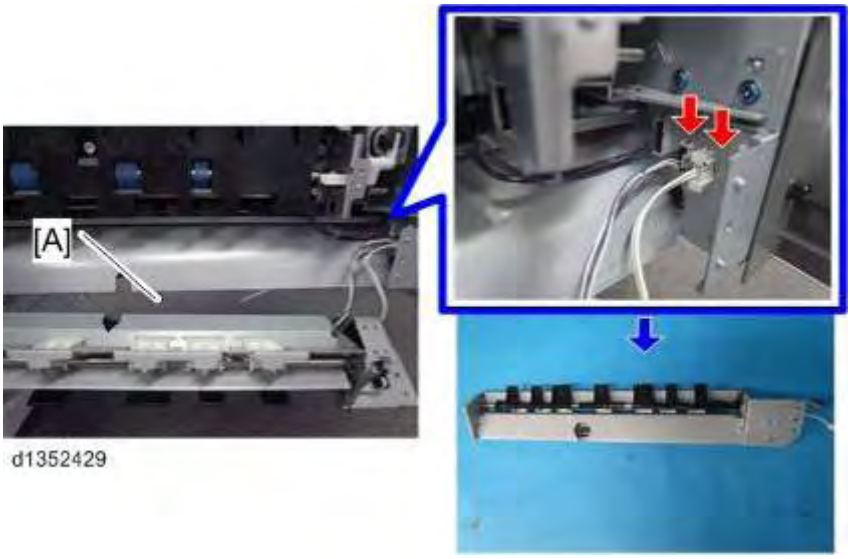
3. Cover [A] (x 2).



d1352427

4. Remove the fixing screw of the paper purge unit [A] (x 1).

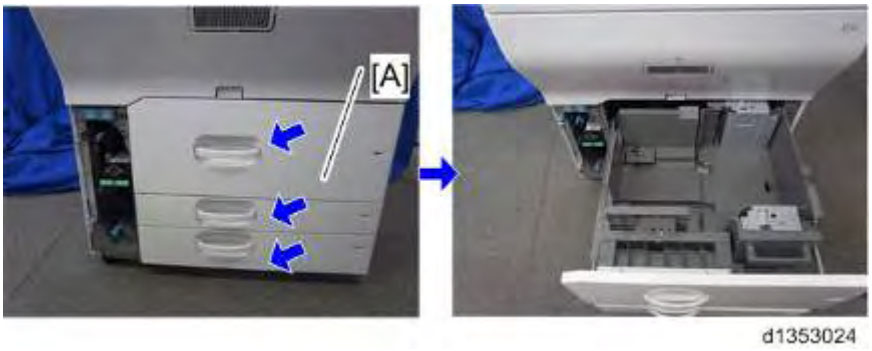
5. Paper purge unit [A] (x 2)



4.25.2 PCB: LSB

1. Left lower cover of the machine exterior (☛ page 4-17)
2. Purge door [A] (pin x 2)

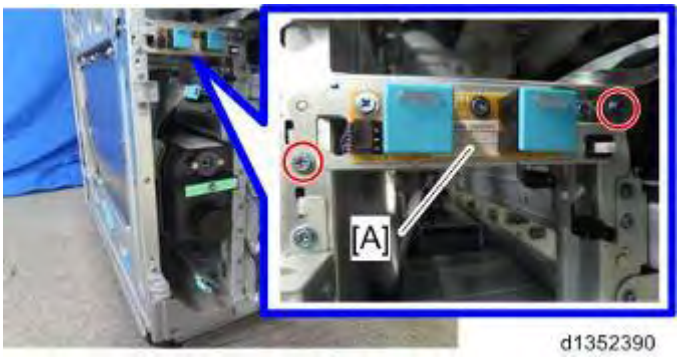
3. Pull out the paper trays [A].



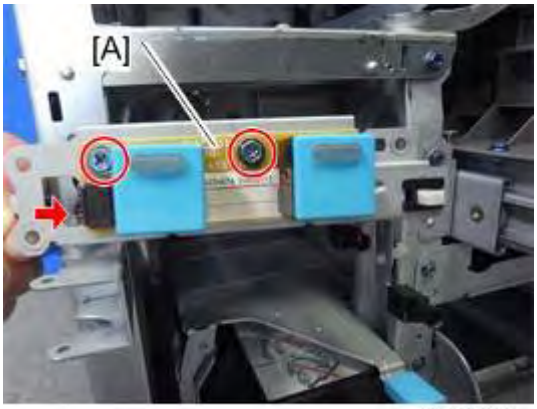
4. Remove the fixing screws of the upper inner cover [A] (x 3).

5. Pull out the drawer unit [A] and remove the upper inner cover [B] (hook x 1).

6. LSB [A] along with the bracket (x 2).



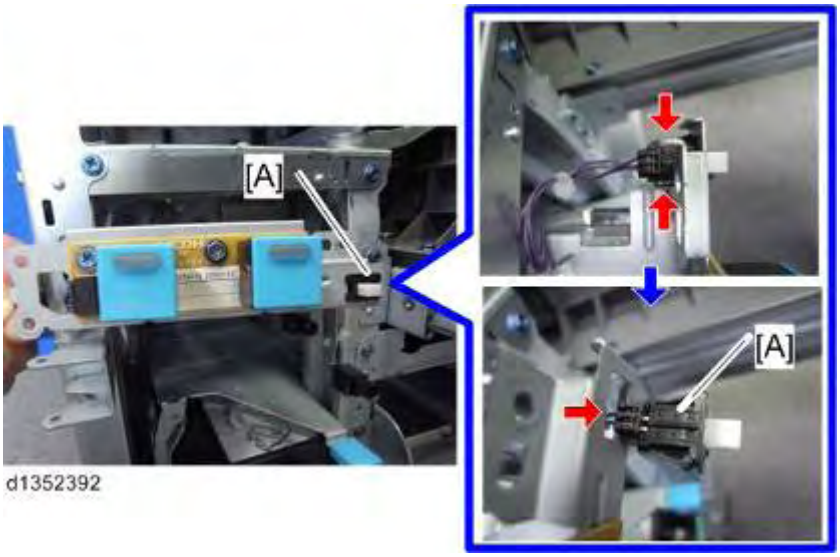
7. LSB [A] (x 2, x 1).



d1352391

4.25.3 PUSH SWITCH

1. LSB [A] along with the bracket (☛ page 4-340 "PCB: LSB")
2. Hold the sides of the push switch [A], remove by pulling (x 1).

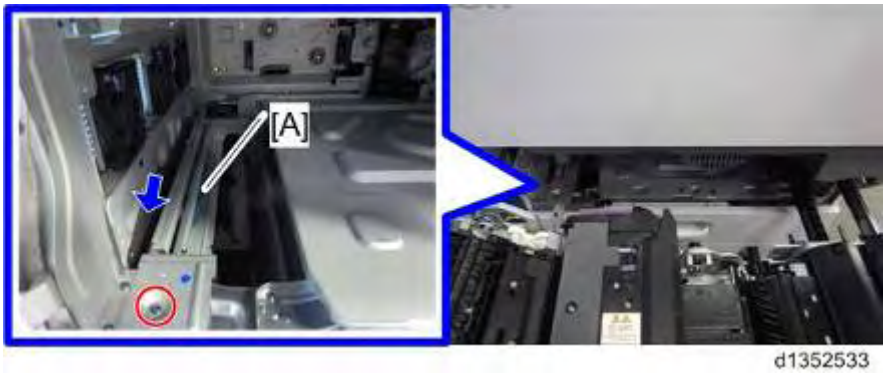


d1352392

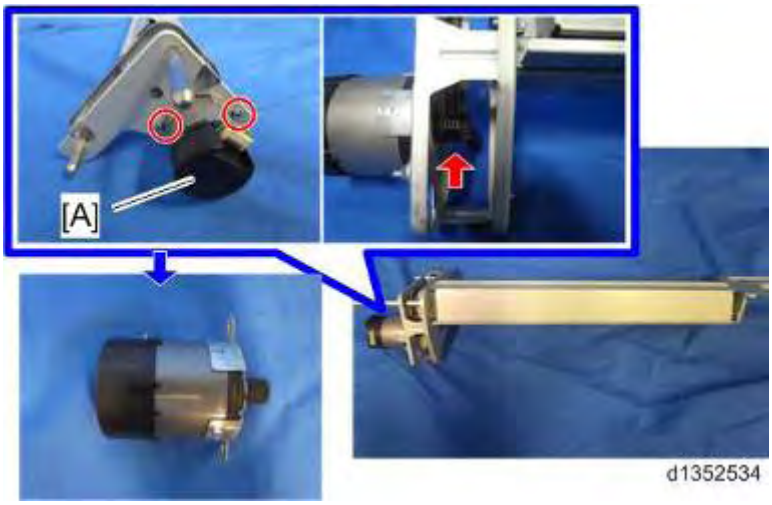
4.25.4 DUPLEX INVERTER MOTOR

1. Left lower cover of the machine exterior (☛ page 4-17)
2. Disconnect the connector of the duplex inverter motor [A].

3. Pull out the drawer unit and remove the duplex inverter motor unit [A] (x 1).



4. Duplex inverter motor [A] (x 2, x 1, belt x 1).

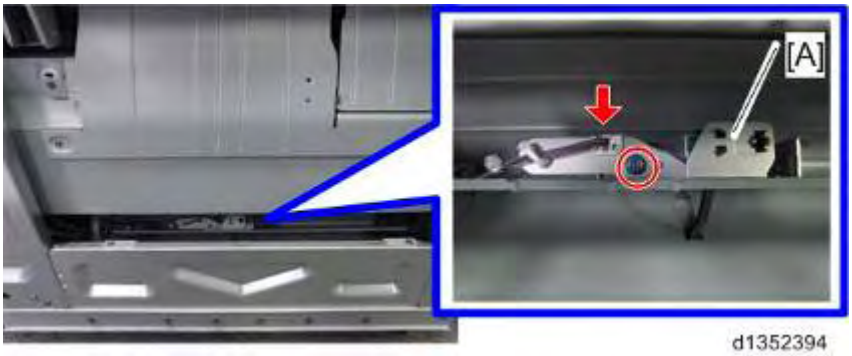


4.25.5 PURGED PAPER SENSOR

1. Left lower cover of the machine exterior (☛ page 4-17)
2. Guide plate [A] (x 2).

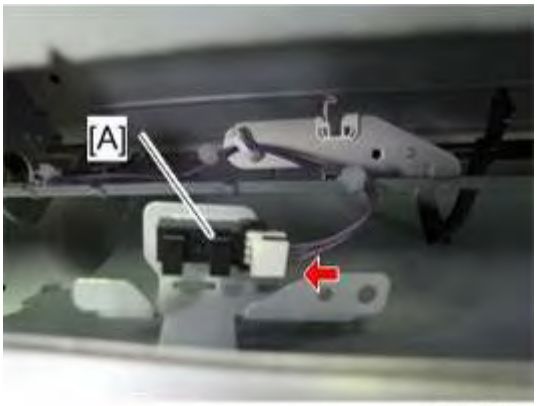
d1352393

3. Purged paper sensor [A] along with the bracket (x 1, x 1).



d1352394

4. Turn the bracket and remove the purged paper sensor [A] (x 1).



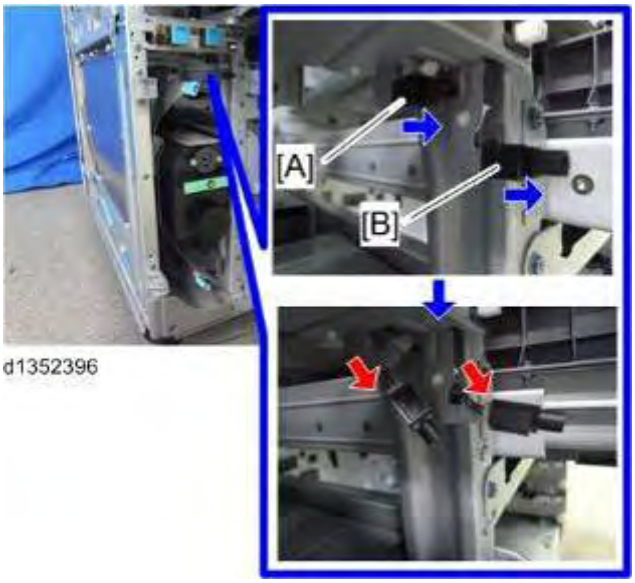
d1352395

4.25.6 LED: CONNECTER: RED

LEDs are mounted at three points in the paper purge unit.

Upper guide plate LED / Purge door LED

1. Upper inner cover (☛page 4-340 "PCB: LSB")
2. Remove by pulling the upper guide plate LED [A] and the purge door LED [B] (x 1 each).



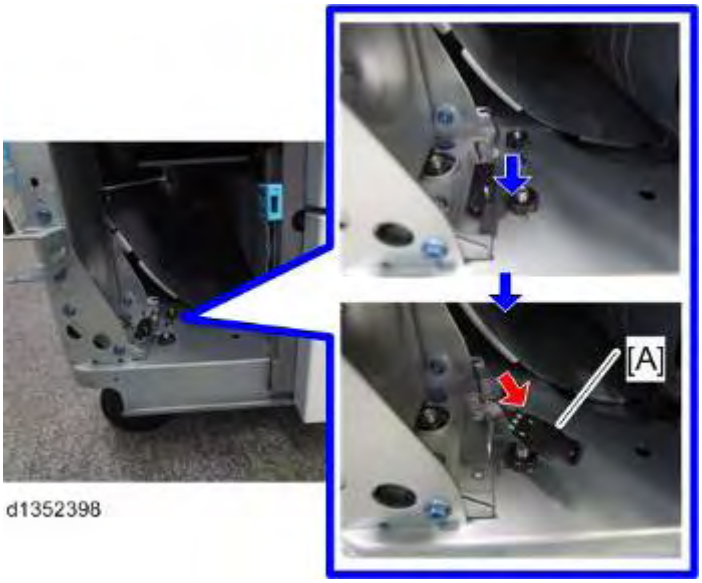
Lower guide plate LED

1. Purge door [A] (pin x 2)

2. Lower inner cover [A] (x 1).

d1352397

3. Remove by pulling the lower guide plate LED [A] (x 1).



d1352398

4.26 MAIN BOARDS / HDD UNIT

⚠CAUTION

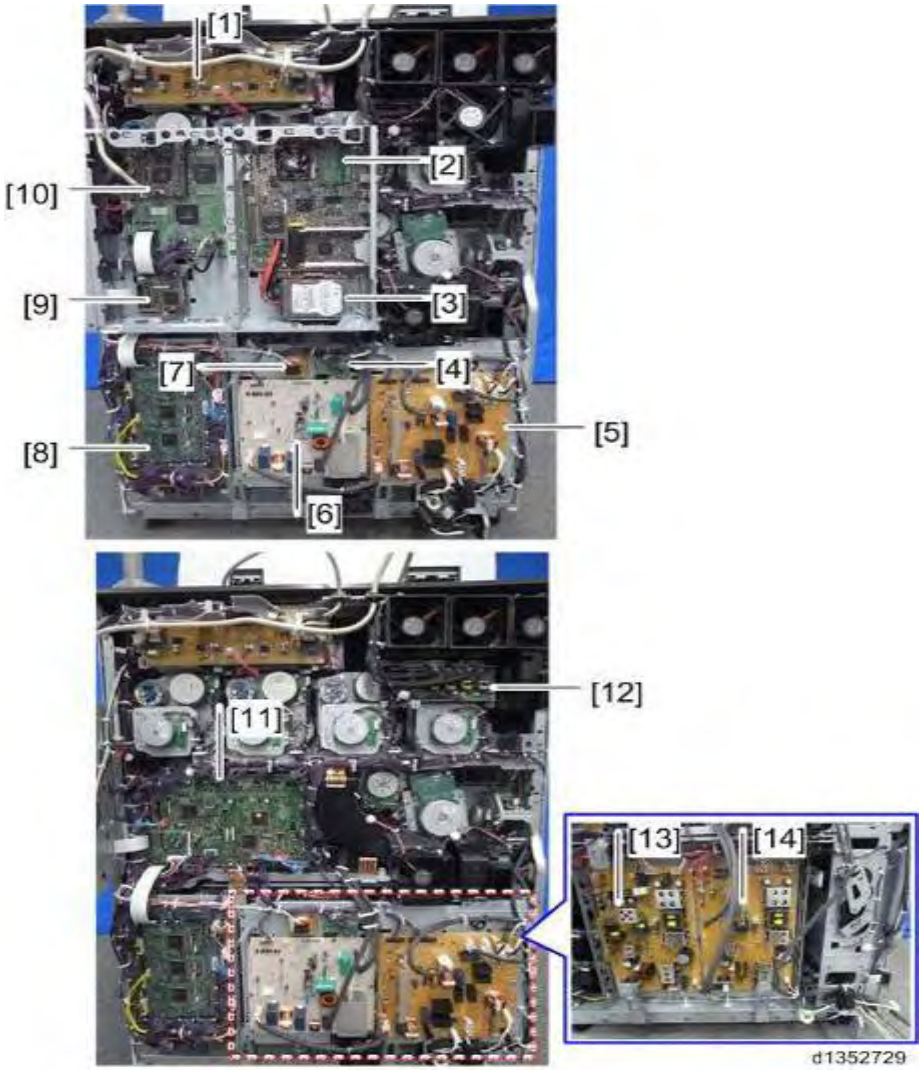
Before working on any electronics in this machine, perform the following.

1. **Turn off the Main Power Switch. Wait the maximum 3 minutes until the machine is completely turns off.**
2. **Unplug the machine from the Electrical Power Outlet.**
3. **Press the Main Power Switch again to discharge the machine.**

If any adjustment or operation check has to be made with exterior covers off or open when the main switch is turned on, keep hands away from electrified or mechanically driven components.

4.26.1 LAYOUT

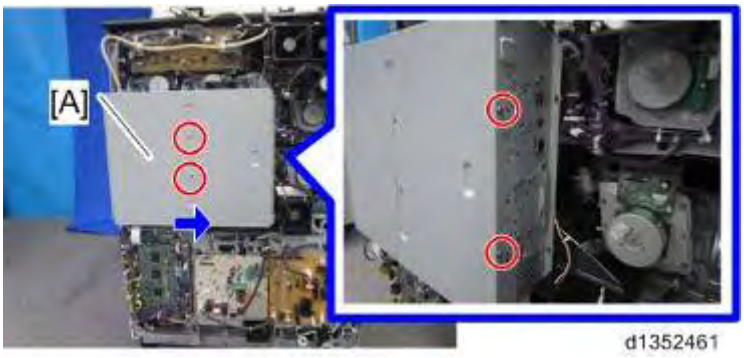
To replace the electrical components on the back of the machine, first remove the outer cover. (☛page 4-19 "Rear Cover")



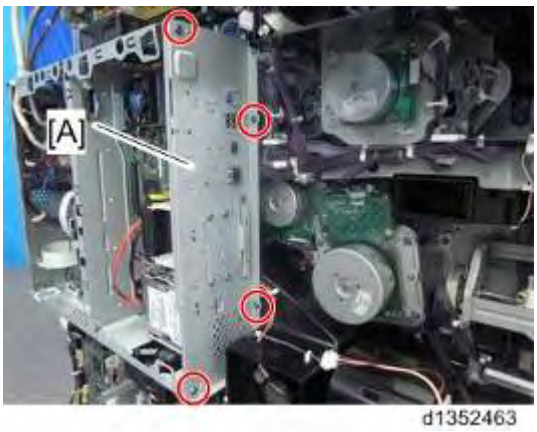
No.	Part Name	Replacement procedure	Remarks
1	Combined High-Voltage Power Supply Board (Charge / Development)	☛page 4-366	KC: front side, MC: rear side
2	Controller Board	☛ page 4-349	
3	HDD Unit	☛ page 4-351	
4	Fusing Web Control Board-Main Machine	☛ page 4-367	D137/D138 only
5	AC Drive Board	☛ page 4-360	
6	IH Inverter	☛ page 4-360	
7	AC Drive Board Relay	☛ page 4-367	D137/D138 only
8	PFB	☛ page 4-359	
9	BCU	☛ page 4-352	
10	IPU	☛ page 4-357	
11	IOB	☛ page 4-358	Located behind the controller box
12	Potential Sensor Board	☛ page 4-364	Located behind the drive exhaust fan
13	PSU1	☛ page 4-362	Located behind the AC drive board/IH inverter
14	PSU2	☛page 4-362	Located behind the AC drive board/IH inverter

4.26.2 CONTROLLER BOARD

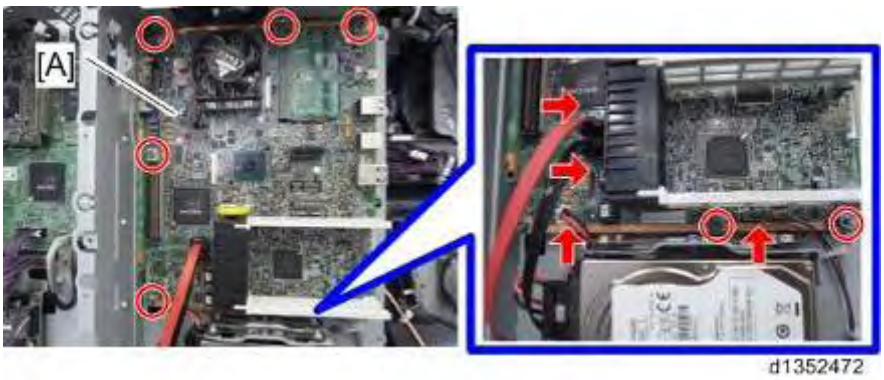
1. Controller box cover [A] (x 4)



2. Controller panel plate [A] (x 4)



3. Controller board [A] (x 7, x 4)



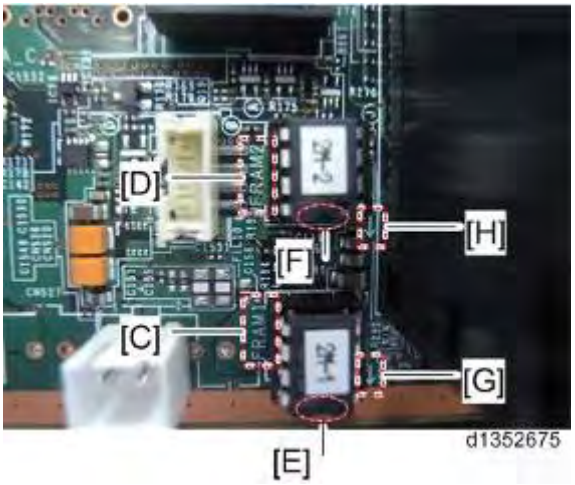
Important

- There are two types of controller boards, one for D138/D136 and one for D137/D135. Because there are different part numbers on these two controller boards, when replacing, check the parts catalog to make sure that you install the correct type. If you install the wrong board, the machine will not work.

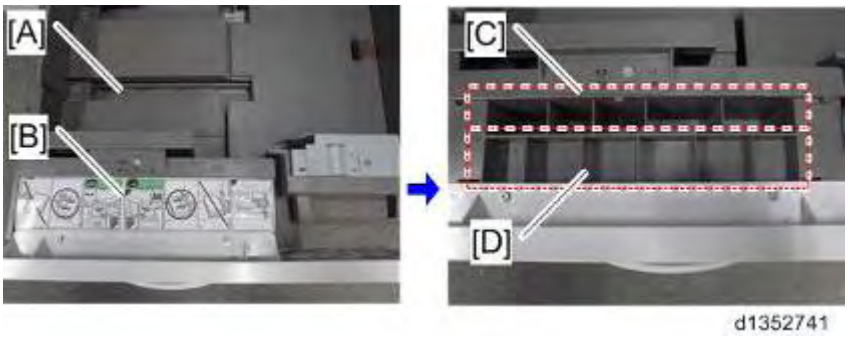
When installing the New Controller Board

There are two NVRAMs ([A] and [B]) on the controller board. The two NVRAMs are one set. NVRAM [A] is labeled "2M-1", and NVRAM [B] is labeled "2M-2".
When replacing the controller board, remove the NVRAMs from the old controller board. Then install them at the same position on the new controller board. If this is not done, SC195-00 occurs.

- Install NVRAM (2M-1) in the socket that has "FRAM-1" [C] printed next to it on the controller board. Install so that the indentation [E] on NVRAM (2M-1) is facing the direction of the arrow [G] that is printed on the controller board.
- Install NVRAM (2M-2) in the socket that has "FRAM-2" [D] printed next to it on the controller board. Install so that the indentation [F] on NVRAM (2M-2) is facing the direction of the arrow [H] that is printed on the controller board.
- Note that if you install incorrectly, both the controller board and NVRAMs will be damaged.



- When replacing the controller board, first, check which ESA applications have been installed. After replacing the controller board, re-install the ESA applications by following the installation instructions for each application.
- After reinstalling the ESA applications, print the SMC (SP-5-990-024/025 (SMC: SDK/Application Info)). Then open the tandem tray [A] and remove the paper cassette decal [B]. Store the SMC sheet [C] and the SD card(s) [D] that was used to install the ESA application(s).



4.26.3 HDD UNIT

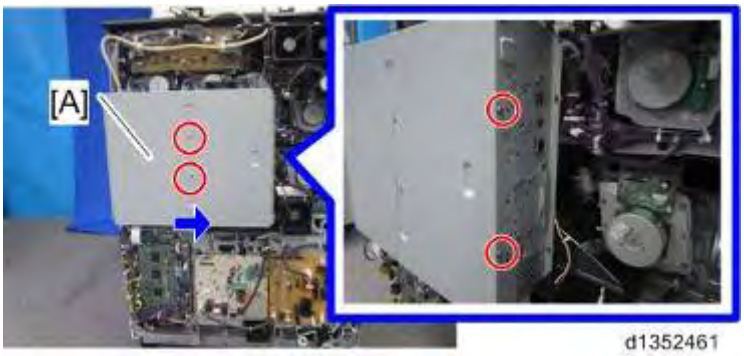
The HDD contains two separate hard disks (160 Gigabytes each x2 = 320 Gigabytes).

Before replacing the HDD unit, copy the address book data to an SD card from the HDD with SP5846-051 if possible.

Important

- Never remove an HDD unit from the work site without the consent of the client.
- The two disks are always replaced together as a unit. Never attempt to replace a single disk.

1. Controller box cover [A] (x 4)



2. HDD unit (x 3, x 3)

After Installing the 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 havealready 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

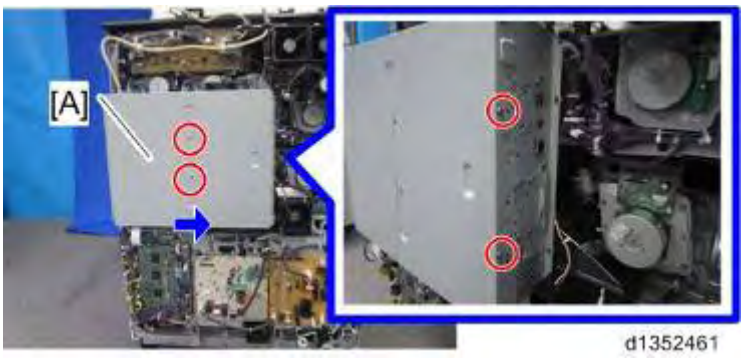
- If the customer has any concerns about the security of any information on the HDD, the HDD mustremain with the customer for disposal or safe keeping.
- The HDD may contain proprietary or classified (Confidential, Secret) information. Specifically, theHDD contains document server documents and data stored in temporary files created automaticallyduring copy job sorting and jam recovery. Such data is stored on the HDD in a special format so itcannot normally be read but can be recovered with illegal methods.

Reinstallation

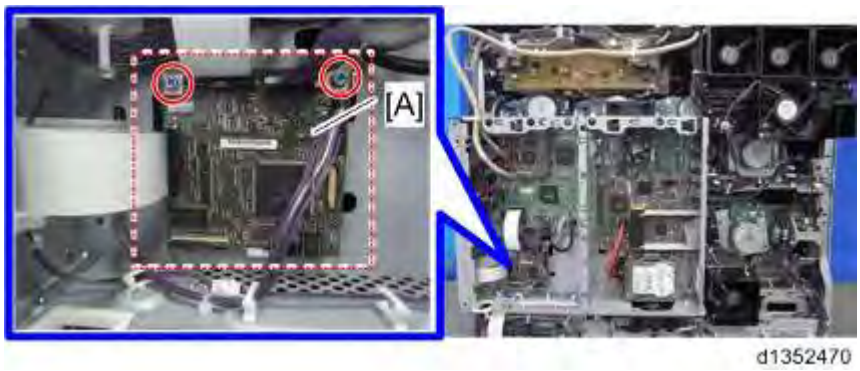
- Explain to the customer that the following information stored on the HDD is lost when the HDD isreplaced: document server documents, fixed stamps, document server address book
- The address book and document server documents (if needed) must be input again.
- If the customer is using the Data Overwrite Security, the Data Encryption feature or OCR Scanned PDF, these applicationsmust be installed again.

4.26.4 BCU

1. Controller box cover [A] (x 4)



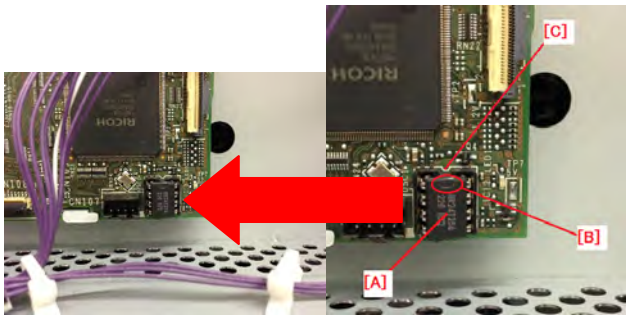
2. BCU [A] (x 2)



⇒ *When installing the new BCU*

1. Remove the NVRAM [A] from the old BCU and install it on the new BCU.

NOTE:
- A BCU procured as a service part does not contain the NVRAM (EEPROM) [A].
- When installing a new BCU procured as a service part, make sure to remove the NVRAM from the old BCU and install it on the new BCU.
- Install so that the indentation [B] on the NVRAM corresponds with the mark [C] printed on the BCU. Incorrect installation of the NVRAM will damage both the BCU and NVRAM.
- If you forget to install the NVRAM on the new BCU, the machine will not activate and remain in "Please wait" status even with the main power switch turned on.



2. Turn on the main power switch and register the machine serial number onto the new BCU by entering the machine serial number in SP5-811-004 (Machine Serial / Set: BCU).

   NOTE: Inputting a wrong serial number will cause the machine to display SC995-001 (CPM set error).

3. Select the paper size system in SP5-131-001.
   0: DOM (Japan)
   1: NA
   2: EU

4. Specify the area code in SP5-807-001.
   1: DOM (Japan)
   2: NA
   3: EU
   4: TWN
   5: AA
   6: CHN

   NOTE: Setting the wrong area code will cause the machine to display SC995-04 (CPM set error).

⇒ 4.26.5 NVRAM REPLACEMENT PROCEDURE

⚠CAUTION

- Keep NVRAMs away from any objects that can cause static electricity. Static electricity can damage NVRAM data.

This machine has three NVRAMs. Two are on the Controller Board; the other is on the BCU.

NVRAM on the Controller Board

1. Make sure that you have the SMC report (factory settings). This report comes with the machine.
2. Print out the SMC data ("ALL") using SP5-990-001. (SP5-990-001)
3. Turn OFF the Main Switch.
4. Insert a blank SD Card into slot #2, and then turn ON the Main Switch.
5. Upload the NVRAM data to the blank SD Card using SP5-824-001 (NVRAM Data Upload).

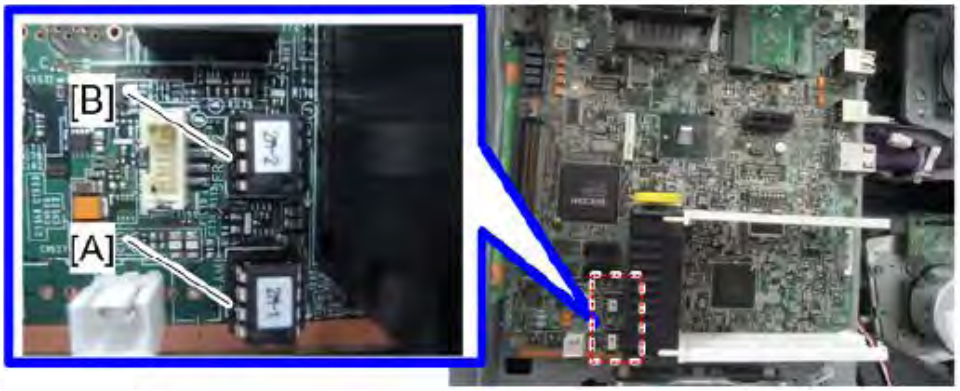
   Important

   - Make sure to note the following SP settings as they will not be automatically uploaded to the SD card. These settings will be input manually in Step 16.
     SP5-193-001 (External Controller Info. Setting)
     0: No external controller, 1: EFI controller
     SP5-895-001 (Application invalidation / Printer)
     0: valid, 1: invalid
     SP5-895-002 (Application invalidation / Scanner)
     0: valid, 1: invalid
     SP5-985-001 (Device Setting / On Board NIC)
     0: invalid, 1: valid
     SP5-985-002 (Device Setting / On Board USB)
     0: invalid, 1:valid
6. Turn OFF the Main Power Switch, and then unplug the AC Power Cord.
7. Remove the SD Card containing the NVRAM data from slot #2.
8. Insert another blank SD Card into slot #2, plug the AC Power Cord, and then turn ON the Main Power Switch.
9. Upload the Address Book Data to the blank SD Card in SP5-846-051 (UCS Setting / Back Up All Addr Book).

   Procedure for D135/D136 (Office model) only
   If the Fax Option is installed on the machine, do the following:
   - Print out the "Box Setting List". (User Tools → Facsimile Features → General Settings → Box Setting: Print List)
   - Print out the "Program Special Sender List". (User Tools → Facsimile Features → Reception Settings → Program Special Sender: Print List)
   - Take note of the settings in "User Tools → Facsimile Features → Reception Settings".
   - Take note of the settings in "User Tools → Facsimile Features → Send Settings".
10. ReTurn OFF the Main Power Switch, and then unplug the AC Power Cord.
11. Remove the SD Card containing the Address Book Data from slot #2.
12. Replace the two NVRAMs on the Controller Board with the new ones.

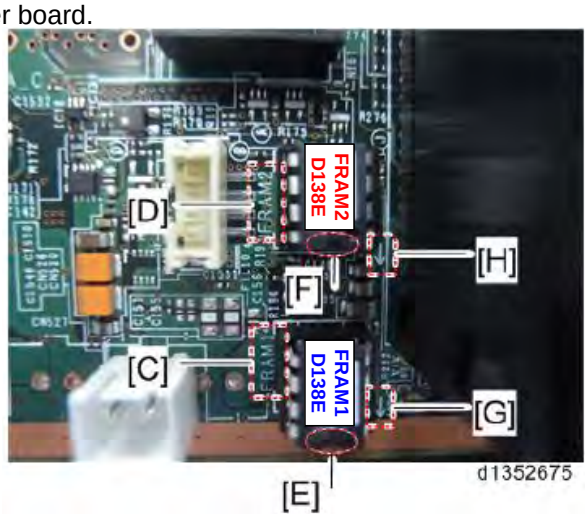
    Note

    - There are two NVRAMs on the controller board as mentioned in the following section of the manual: Controller Board **>** When installing the New Controller Board. Make sure to replace the two NVRAMs as a set.
    - NVRAMs [A] and [B] installed on the Controller Board at the factory are labeled "2M-1" and "2M-2" respectively. NVRAMs procured as service parts are labeled "FRAM1/D138E" and "FRAM2/D138E".



- Install NVRAM "FRAM1/D138E" in the socket printed "FRAM-1" [C] on the controller board. Install so that the indentation [E] on the NVRAM faces toward the direction indicated with the arrow [G] printed on the controller board.
- Install NVRAM "FRAM2/D138E" in the socket printed "FRAM-2" [D] on the controller board. Install so that the indentation [E] on the NVRAM faces toward the direction indicated with the arrow [H] printed on the controller board.
- Work carefully to avoid mistake when installing the NVRAM. Incorrect installation will damage both the NVRAM and controller board.

13. Plug in the AC Power Cord, and then turn ON the Main Power Switch.



Important

- **DO NOT** insert the SD Card containing the NVRAM data that you removed in Step 7 before turning ON the Main Switch.
- SC995-02 (Defective NVRAM) will appear when powering ON the Main Power Switch, but ignore this SC. **DO NOT** turn OFF the Main Power Switch. Continue with this procedure.

14. Re-insert the SD Card containing the NVRAM data that you removed in Step 7 back into slot #2.
15. Download the old NVRAM data from the SD card onto the new NVRAM in SP5-825-001 (NVRAM Data Download).

Note

- This will take about 2 or 3 minutes.

Important

- After the download completes, message "Completed. You have to reboot." will appear, but ignore this message and press the “Exit” button. DO NOT reboot at this moment.
- SC870-11 (Address Book Data Error) will appear in the banner, but DO NOT turn OFF the Main Power Switch. Continue with this procedure.

16. Input the following SP settings according to the notes took in Step 5.

SP5-193-001 (External Controller Info. Setting)
SP5-895-001 (Application invalidation / Printer)
SP5-895-002 (Application invalidation / Scanner)
SP5-985-001 (Device Setting / On Board NIC)
SP5-985-002 (Device Setting / On Board USB)

- Message "Completed. You have to reboot." will appear after inputting each of the above SP settings, but ignore this message and press the “Exit” button. DO NOT reboot at this moment.

17. Turn OFF the Main Power Switch. This will take about 3 minutes. Wait until the machine power is turned off completely, and then remove the SD Card from slot #2.
18. Turn ON the Main Power Switch.
19. Insert the SD Card containing the Address Book Data removed in Step 11 into slot #2.
20. Execute SP5-846-052 (UCS Setting / Restore All Addr Book) to download the Address Book Data on to the new NVRAM.

Note

- SP5-846-052 will fail, if the settings in SP5-193-001, SP5-985-001 and SP5-985-002 inputted in Step 16 are incorrect.
- Message "Completed. You have to reboot." will appear if SP5-846-052 results in success.

21. Turn OFF the Main Power Switch and remove the SD Card from slot #2.
22. Turn ON the Main Power Switch.
23. Print out the SMC data ("ALL") in SP5-990-001, and make sure that it matches with the SMC data printed out in Step 2 (except for the total counter value).

Note

- The total counter value is reset to "0" when the NVRAM is replaced

24. Do the Self-Check Process Control.
25. Do ACC for the Copier Application Program.
26. Do ACC for the Printer Application Program.

NVRAM on the BCU

Before performing the following procedure, contact your supervisor to obtain information on how to input the machine serial number in the new NVRAM.

1. Make sure that you have the SMC Report (factory settings). This report comes with the machine.
2. Print out the SMC data (SP5-990-001).
3. Turn OFF the Main Power Switch.
4. Install an SD Card into SD card slot 2 and then turn ON the Main Power Switch.
5. Copy the NVRAM data to an SD Card (SP5-824-001).
6. Turn OFF the Main Power Switch, and then unplug the Power Cord.
7. Replace the NVRAM on the BCU and put back the covers.
8. Plug in the Power Cord, and then turn ON the Main Power Switch.
9. Select the paper-size system in SP5-131-001 (Paper Size Type Selection).

   0: DOM (JAPAN)
   1: NA
   2: EU
10. Specify the area code in SP5-807-001.

    1: DOM (JAPAN)
    2: NA
    3: EU
    4: TWN
    5: AA
    6: CHN

Note

- Setting the wrong area code will cause the system to display SC995-04 (CPM Set Error).

11. Input the machine serial number according to the procedure instructed by your supervisor.

Note

- Inputting an incorrect serial number will cause the system to display SC195-00 (Serial Number Set Error).

12. Turn the main power switch OFF and ON.

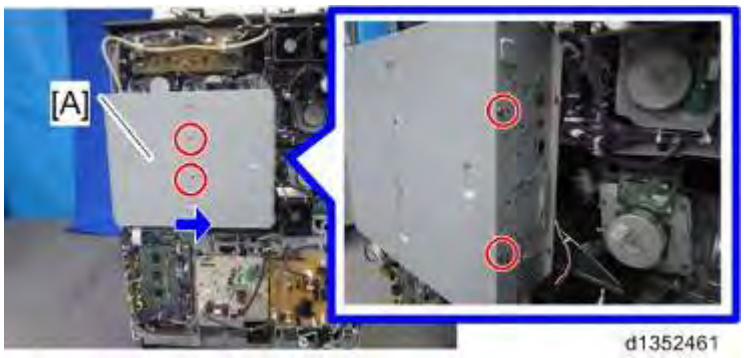
13. Copy the data from the SD Card to the NVRAM (SP5-825-001).
14. Turn OFF the Main Power Switch, and then remove the SD Card from SD card slot #2.
15. Turn ON the Main Power Switch.
16. Specify the SP and UP mode settings, if necessary.
17. Do the self-check Process Control.
18. Do ACC for the Copier Application Program.
19. Do ACC for the Printer Application Program.

Note

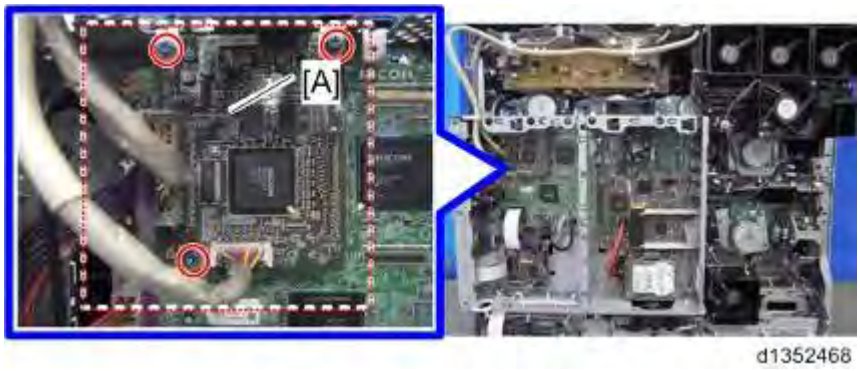
- If the message “SD card for restoration is required.” appears after the NVRAM replacement, the encryption key should be restored.

4.26.6 IPU

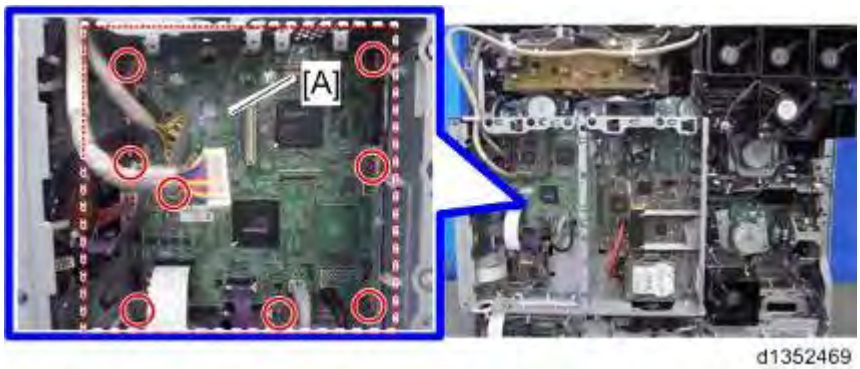
1. Controller box cover [A] (x 4)



2. IPU_Sub [A] (x 3)



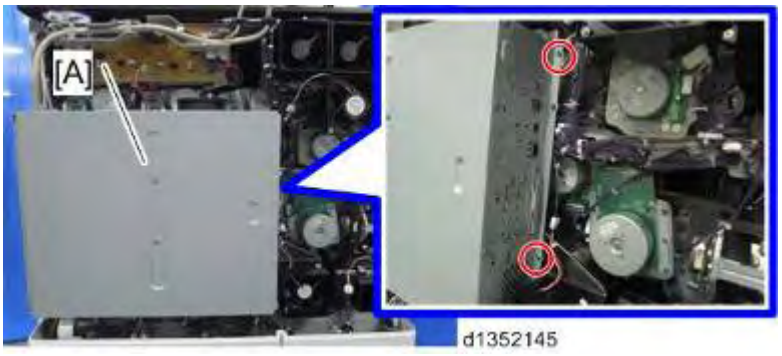
3. IPU_Main [A] (x 3)



4.26.7 IOB

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

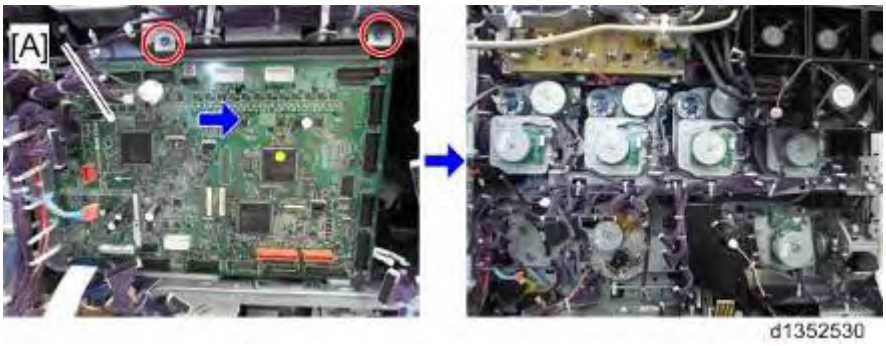
2. Open the controller box [A] (x 2).



3. IOB [A] (x 2, all s)

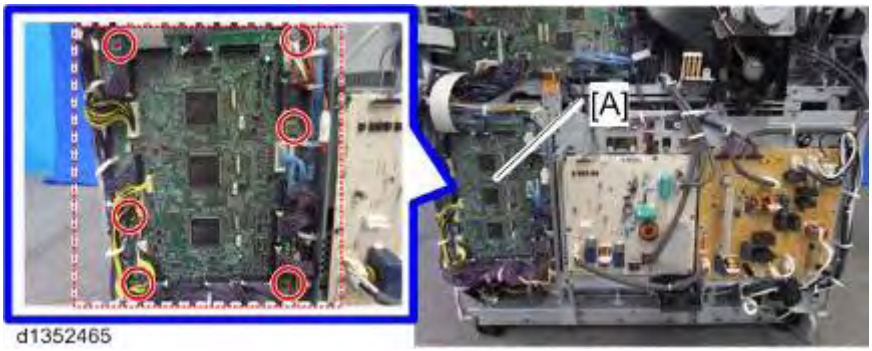
When removing the motors that are behind the IOB

1. Disconnect all connectors on the IOB.
2. Remove the IOB [A] along with the bracket by sliding it to the right (x 2).



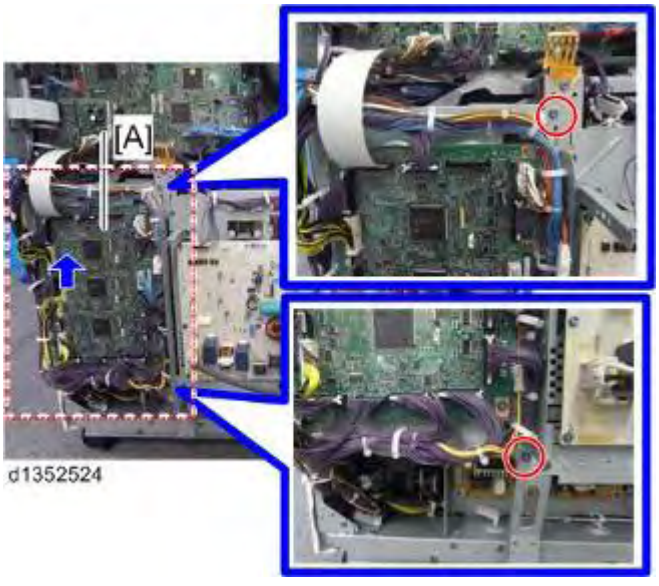
4.26.8 PFB

1. PFB [A] (x 6, all s)



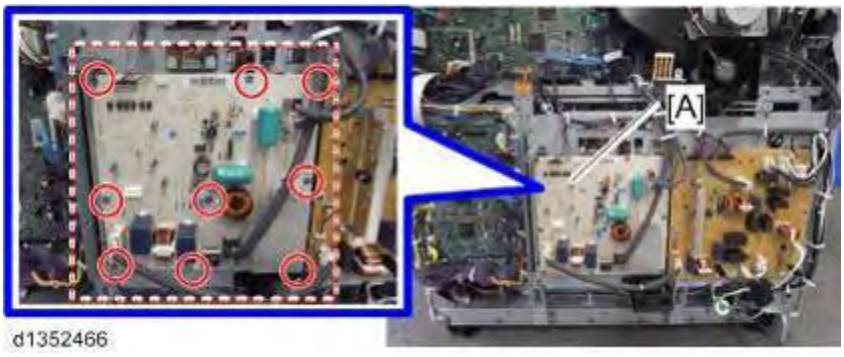
When removing the motors that are behind the PFB

1. Disconnect all connectors on the PFB.
2. Remove the PFB [A] along with the bracket by sliding it upwards (x 2).



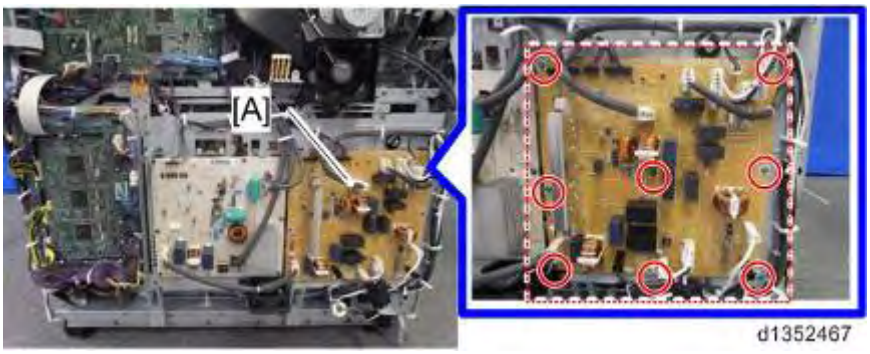
4.26.9 IH INVERTER

1. IH inverter [A] (x 9, all s)



4.26.10 AC DRIVE BOARD

1. AC drive board [A] (x 8, all s)

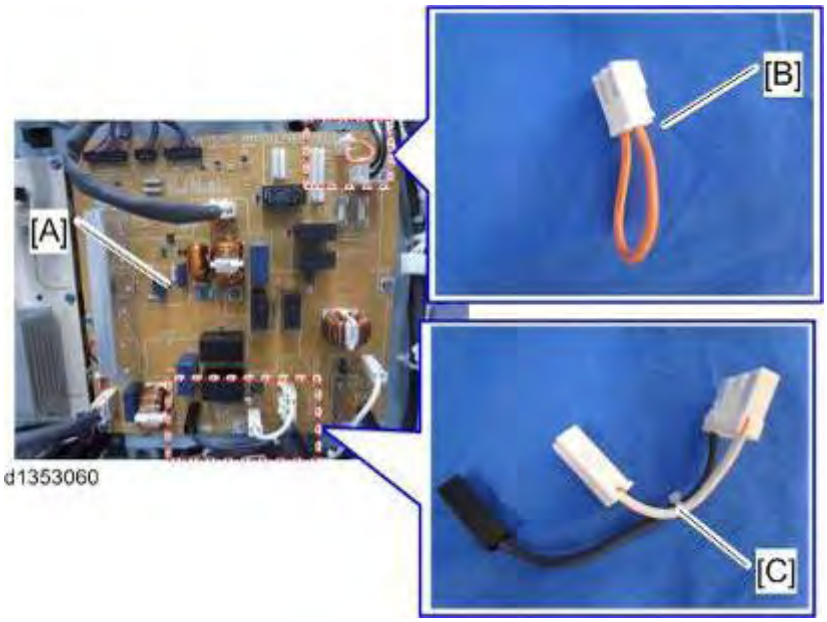


Notes on Replacing the AC Drive Board

Depending on the model and the destination, it is necessary to remove a connector or harness from the old board and install it on the new board.

D135 for NA

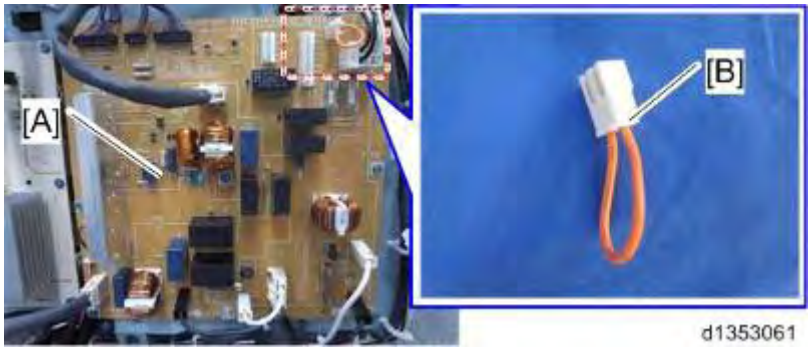
1. Remove the jumper harness [B] at CN405 and the connector [C] at CN420/T113/T114 on the old AC drive board [A].



2. Install the jumper harness and the connector on the new AC drive board.

D135 for EU/AP/CHN

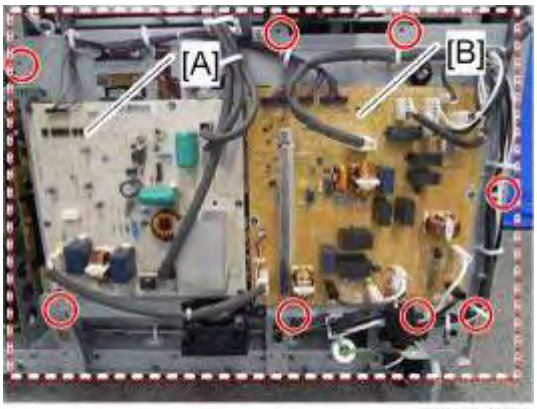
1. Remove the the jumper harness [B] at CN405 on the old AC drive board [A].



2. Install the jumper harness on the new AC drive board.

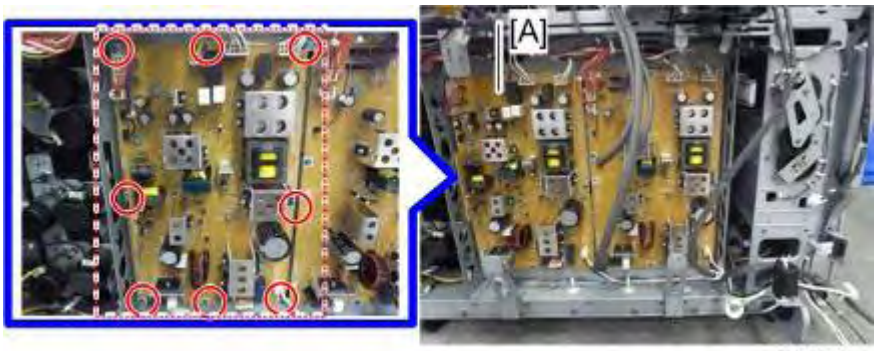
4.26.11 PSU1 / PSU2

1. IH Inverter [A] and AC drive board [B] along with the bracket (x 8, all s)



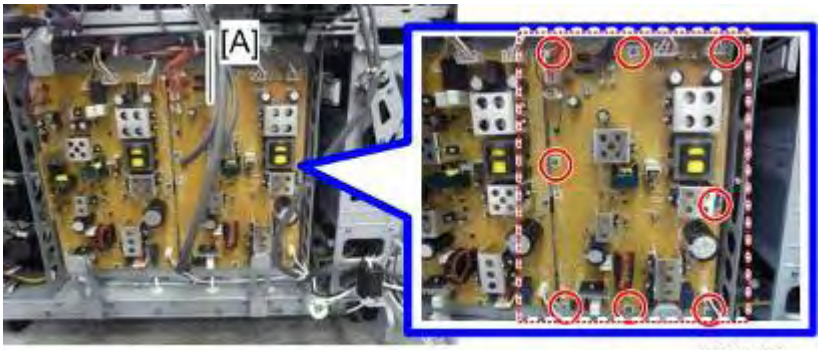
d1352477

2. PSU1 [A] (x 8, all s)



d1352476

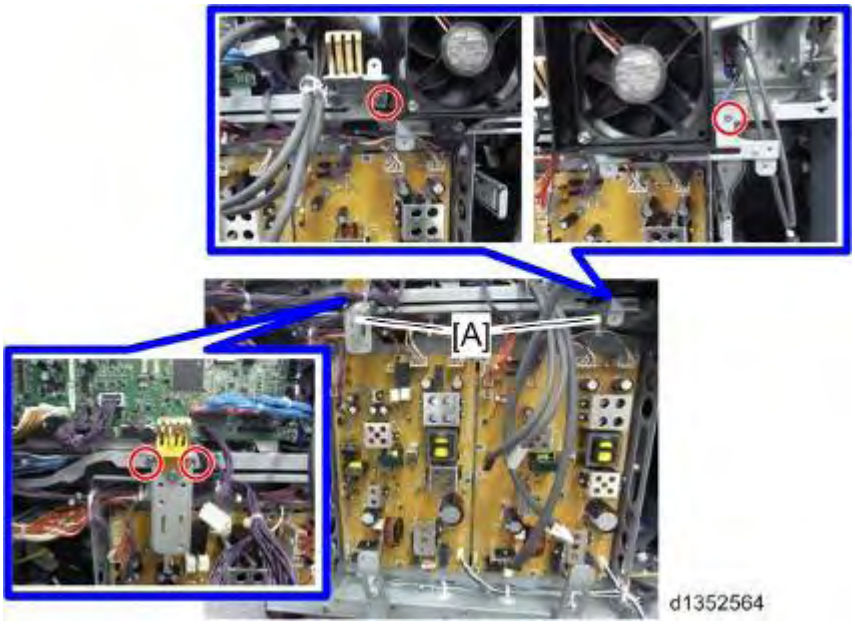
3. PSU2 [A] (x 8, all s)



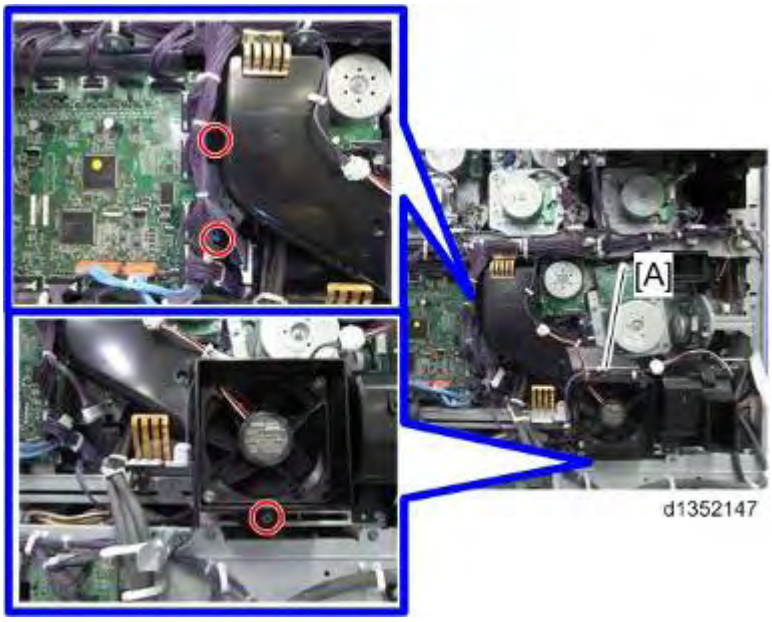
d1352478

When removing the motors and sensors that are behind the PSU1/PSU2

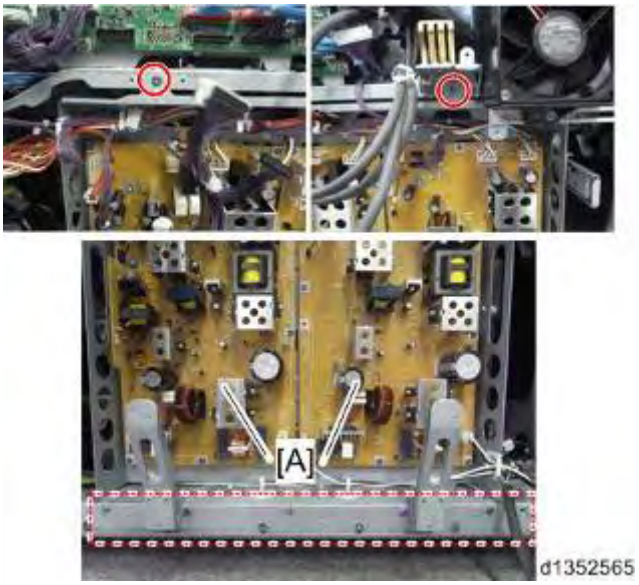
1. Disconnect all connectors on the PSU1/PSU2.
2. Remove the upper stays (right and left) [A] (x 4).



3. Remove the fixing screws of the PTR fusing exhaust fan [A] (x 3).

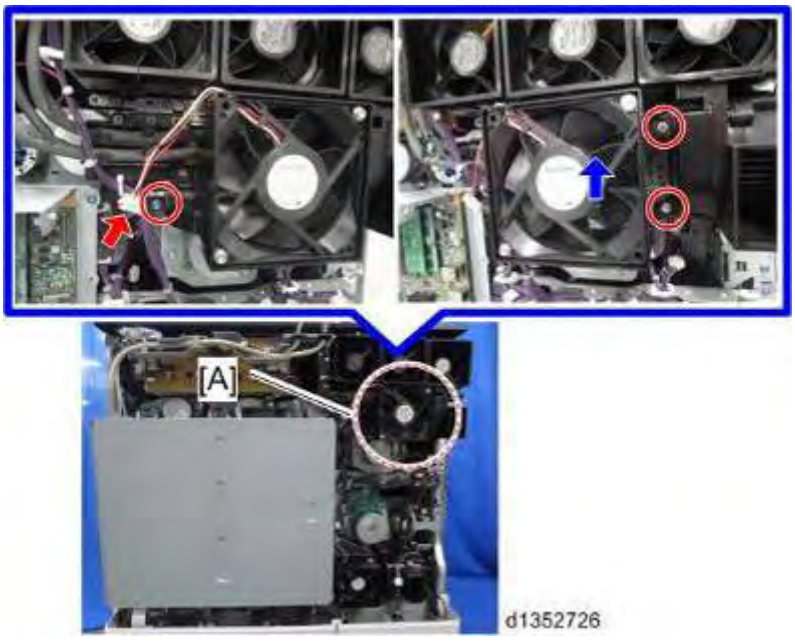


4. Remove the PSU1/PSU2 [A] along with the bracket (upper side: x 2, lower side: x 7).

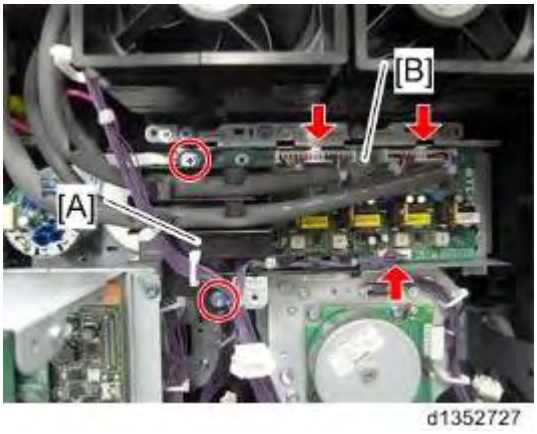


4.26.12 POTENTIAL SENSOR BOARD

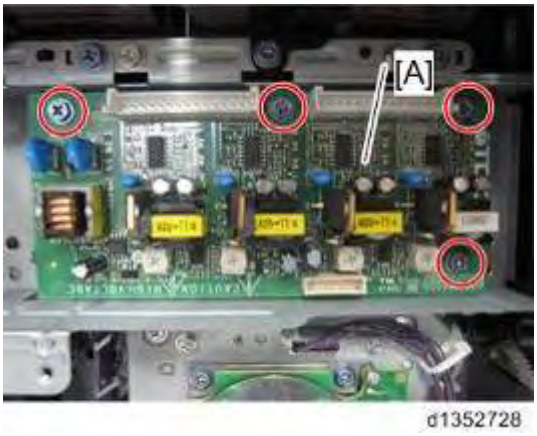
1. Slide the drive exhaust fan [A] upward along with the duct (x 3, x 1).



2. Harness guide [A] and the connectors of the potential sensor board (x 2, x 3).



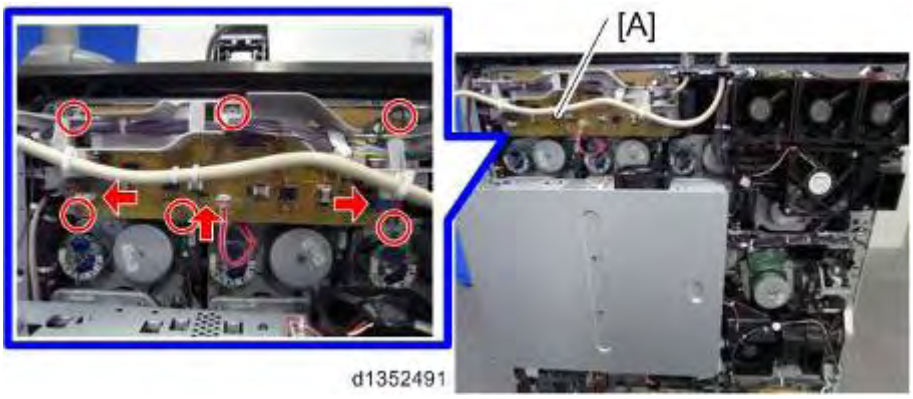
3. Potential sensor board (x 4)



4.26.13 COMBINED HIGH-VOLTAGE POWER SUPPLY BOARD (CHARGE / DEVELOPMENT) (KCMY)

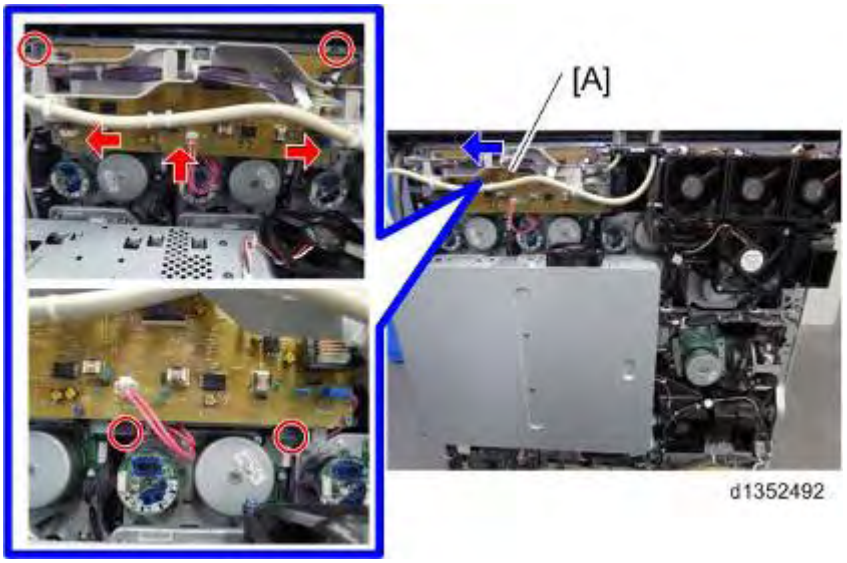
Combined High-Voltage Power Supply Board (KC)

1. Combined high-voltage power supply board (KC) [A] (x 6, x 3)

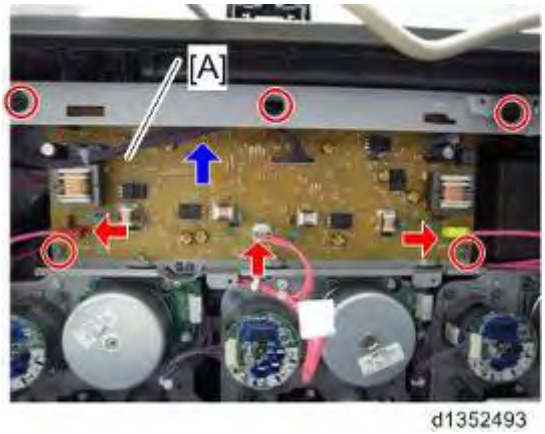


Combined High-Voltage Power Supply Board (MY)

1. Remove the combined high-voltage power supply board (KC) [A] along with the bracket by sliding it toward the left (x 4, x 3)

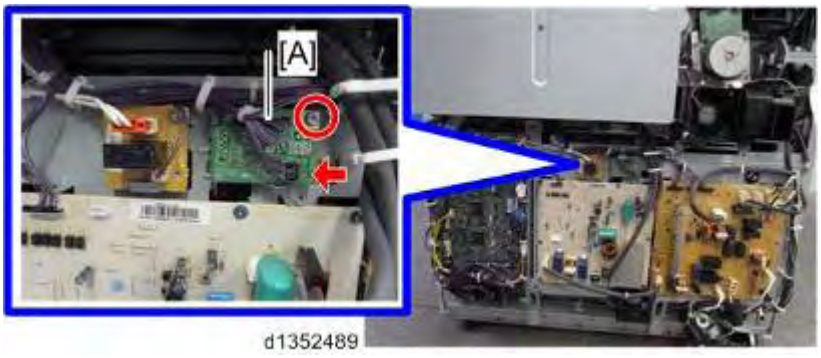


2. Remove the combined high-voltage power supply board (MY) [A] by sliding it upwards (x 5, x 3).



4.26.14 FUSING WEB CONTROL BOARD-MAIN MACHINE (D137/D138 ONLY)

1. Fusing web control board -main machine [A] (x 1, x 1)



4.26.15 AC DRIVE BOARD RELAY (D137/D138 ONLY)

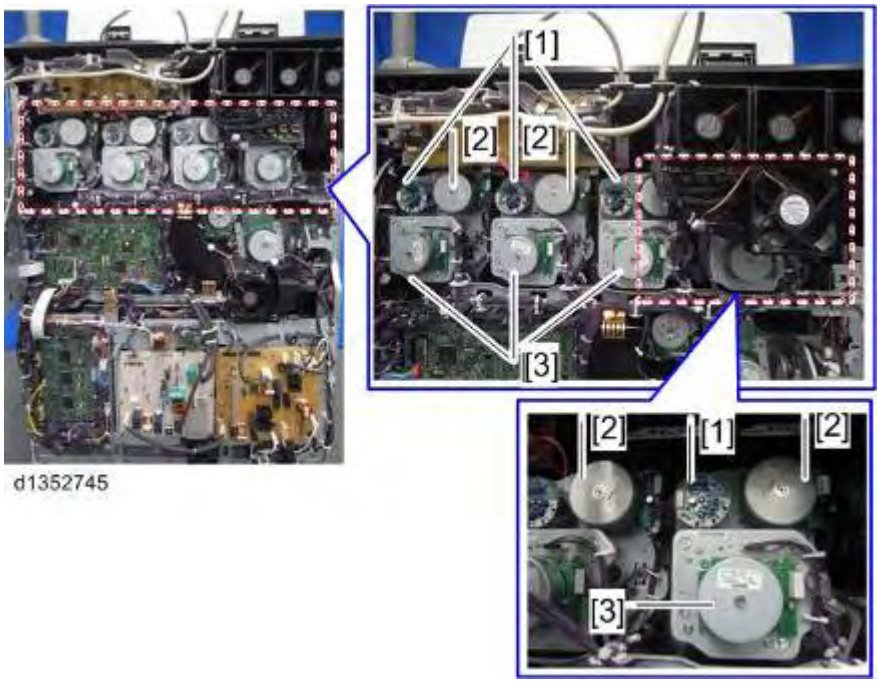
1. AC drive board relay [A] (x 1, x 1)

4.27 MOTORS AND SENSORS

4.27.1 LAYOUT (MOTOR)

Rear of the Machine (Top)

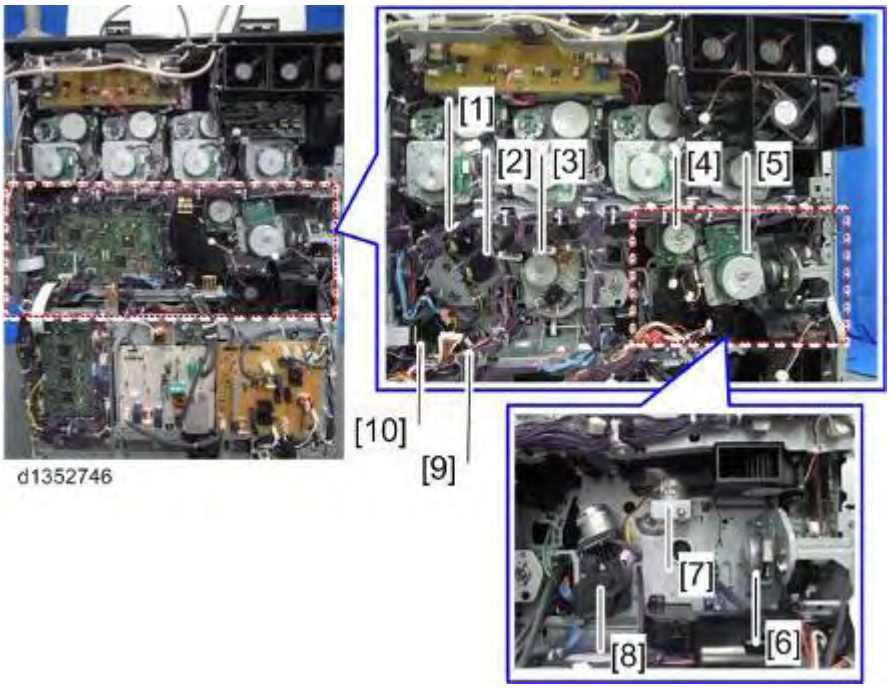
To replace the motors and sensors on the back of the machine, first remove the outer cover. (☛page 4-19 "Rear Cover")



No.	Part Name	Replacement procedure	Remarks
1	Drum Cleaning Motor (KCMY)	☛ page 4-378	K, C, M, Y from the left Y is located behind the potential sensor board.
2	Development Motor (KCMY)	☛ page 4-380	K, C, M, Y from the left M and Y are located behind the potential sensor board.
3	Drum Motor (KCMY)	☛ page 4-373	K, C, M, Y from the left Y is located behind the potential sensor board.

Rear of the Machine (Middle)

To replace the motors and sensors on the back of the machine, first remove the outer cover.
(☛ page 4-19 "Rear Cover")

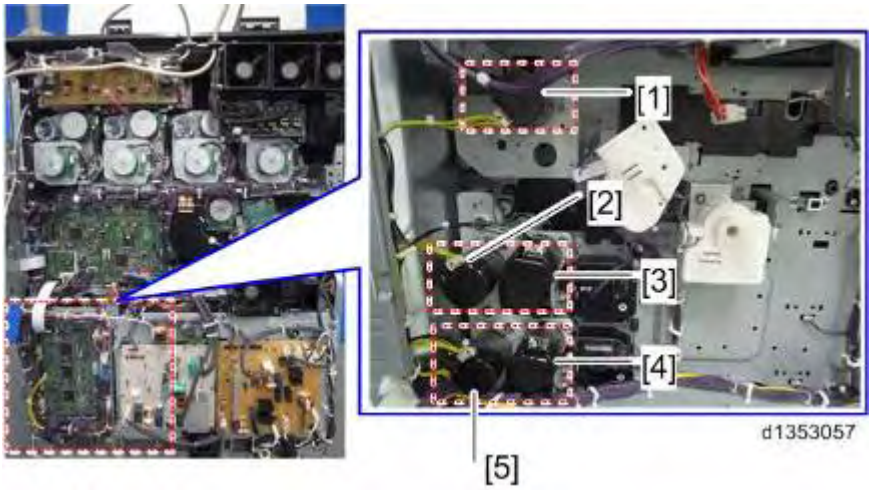


No.	Part Name	Replacement procedure	Remarks
1	By-pass Feed Motor	☛ page 4-384	Located behind the IOB
2	Relay Motor	☛ page 4-384	Located behind the IOB
3	PTR Motor	☛ page 4-385	Located behind the IOB
4	Fusing Belt Smoothing Roller Drive Motor	☛ page 4-399	D137/ D138 only
5	Fusing Drive Motor	☛ page 4-390	
6	Waste Toner Collection Motor	☛ page 4-391	
7	Fusing Belt Smoothing Roller Contact Motor	☛ page 4-401	D137/ D138 only Located behind the fusing drive motor
8	Fusing Release Motor	☛ page 4-396	Located behind the duct of the PTR fusing exhaust fan
9	1st Paper Feed Motor	☛ page 4-386	Located behind the IOB

No.	Part Name	Replacement procedure	Remarks
10	1st Transport Motor	☛ page 4-386	Located behind the IOB

Rear of the Machine (Bottom)

To replace the motors and sensors on the back of the machine, first remove the outer cover. (☛ page 4-19 "Rear Cover")



No.	Part Name	Replacement procedure	Remarks
1	Vertical Transport Motor	☛ page 4-387	Located behind the PFB
2	2nd Transport Motor	☛ page 4-388	Located behind the PFB
3	2nd Paper Feed Motor	☛ page 4-388	Located behind the PFB
4	3rd Paper Feed Motor	☛ page 4-388	Located behind the PFB
5	3rd Transport Motor	☛ page 4-388	Located behind the PFB

Drawer Unit (Front)

To replace the motors on the front of the drawer unit, first remove the drawer unit cover. (☛ page 4-19 "Rear Cover")

No.	Part Name	Replacement procedure	Remarks
1	Exit Motor	☛ page 4-85	
2	Duplex Inverter Entrance Motor	☛ page 4-86	
3	Duplex Transport Motor	☛ page 4-88	
4	Registration Motor	☛ page 4-85	
5	Duplex Exit Motor	☛ page 4-88	
6	Cleaning Web Motor	☛ page 4-89	D137/ D138 only

Drawer Unit (Rear)

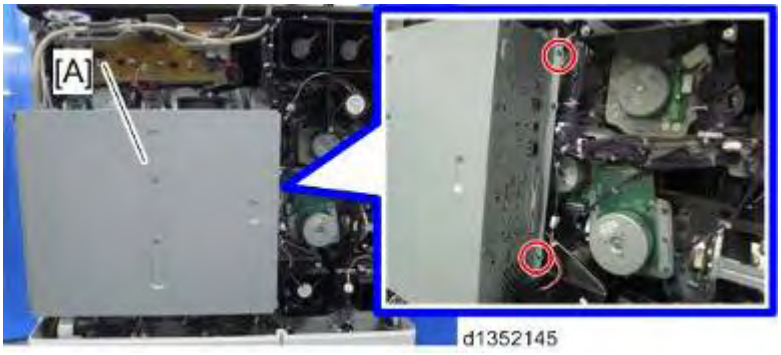
No.	Part Name	Replacement procedure	Remarks
1	Exit Inverter Motor	☛ page 4-87	
2	Cleaning Web Contact Motor	☛ page 4-90	D137/ D138 only

4.27.2 DRUM MOTOR (KCMY) / DRUM ENCODER SENSOR (KCMY)

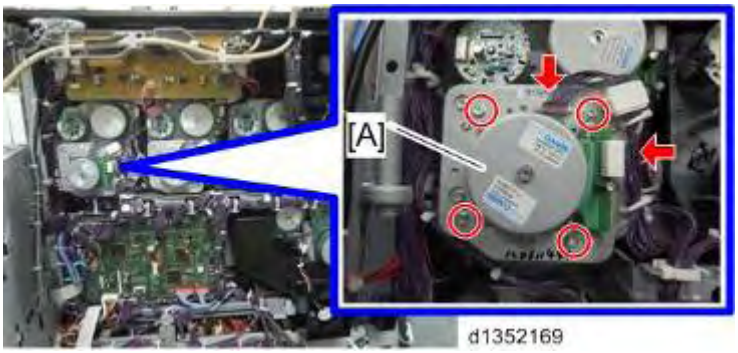
1. Toner Supply Unit (☛ page 4-96)
2. Faceplate (☛ page 4-144)
3. Unlock the lever [A] and pull out the PCDU [B] from the machine.

4. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

5. Open the controller box [A] (x 2).

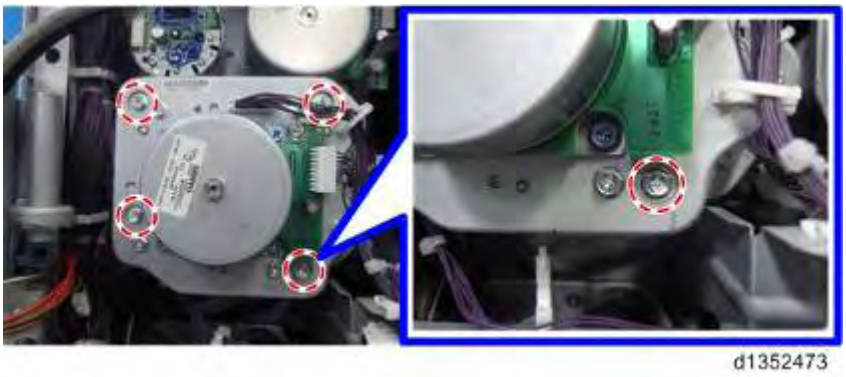


6. Drum motor as a unit [A] (x 4, x 2).
   e.g.: K

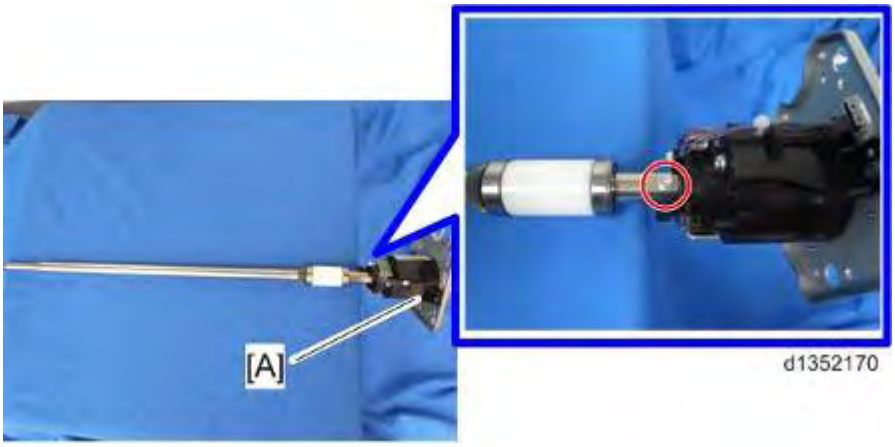


Note

- The following four screws located on the outside of the bracket were positioned on the bracket with a special jig. Do not loosen or remove these screws. If their position is shifted, the drum shaft will become eccentric, and this may cause abnormal images.

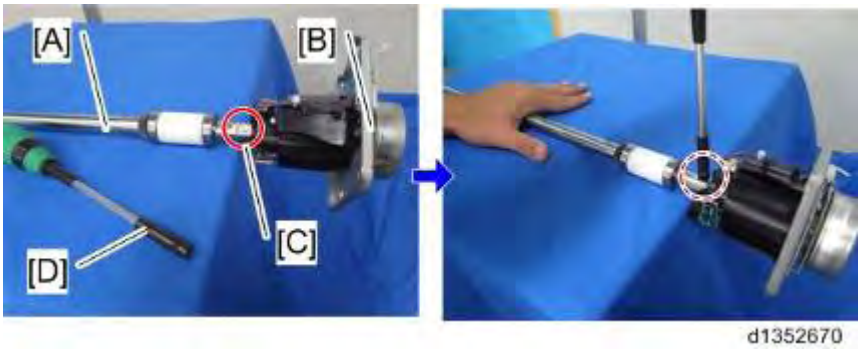


7. Drum motor [A] (x 1).



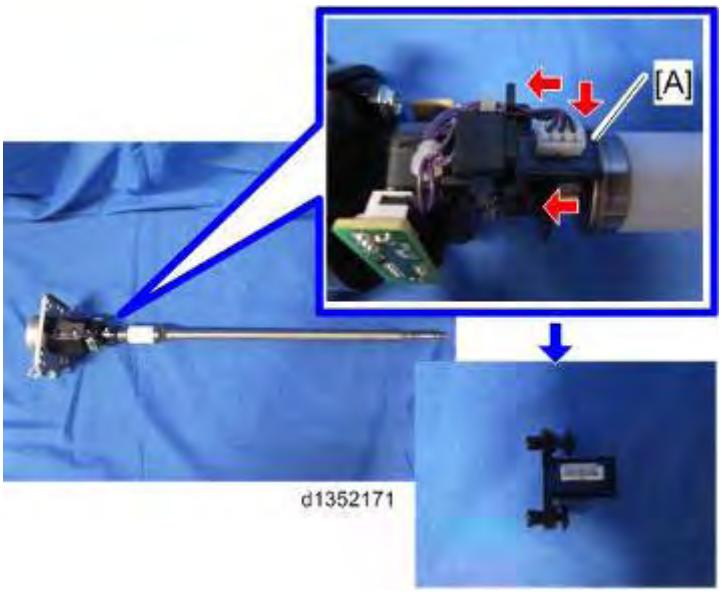
Note

- Removing or assembling the drum shaft and motor
- The binding portion of the drum shaft [A] and the motor [B] must be maintained in a horizontal state so that excessive load is not put on the drum shaft. In order to avoid deformation of the fixing screw [C], use a box-type driver [D].



- In the Pro version, there is a HP sensor and feeler mechanism on the drum motor. If you forget the feeler, the machine does not work, an SC (SC421-01(K) / SC421-02(C) / SC421-03(M) / SC421-04(Y)) occurs.

8. Drum encoder sensor [A] (x 1, rivet x 2).

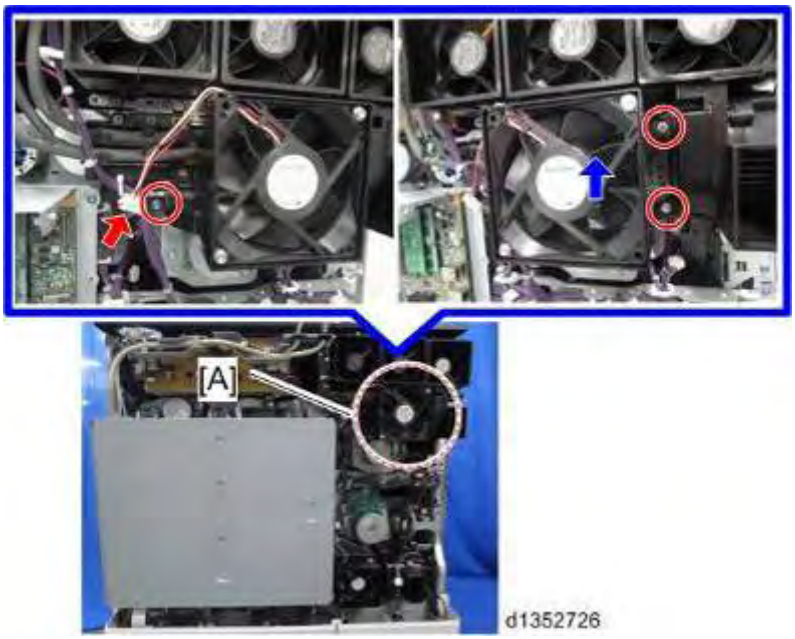


Note

- The procedures for C and M are the same as for K.
- For Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do step 6 above. (page 4-376 "Removing the Drive Exhaust Fan and the Potential Sensor Board")

Removing the Drive Exhaust Fan and the Potential Sensor Board

1. Slide the drive exhaust fan [A] upward along with the duct (x 3, x 1).



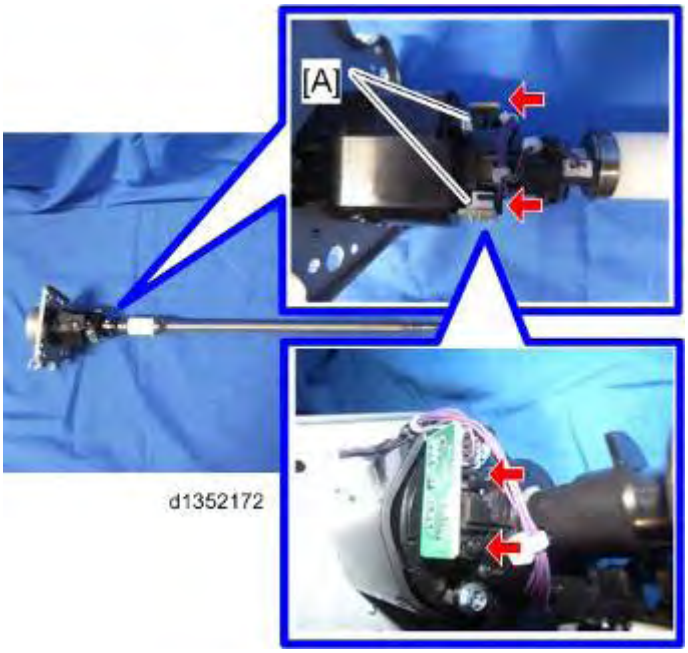
2. Potential sensor board along with the bracket (x 4)

Note

- Access to the drum motor (Y) [A] is possible.

4.27.3 DRUM HP SENSOR (D137/D138 ONLY)

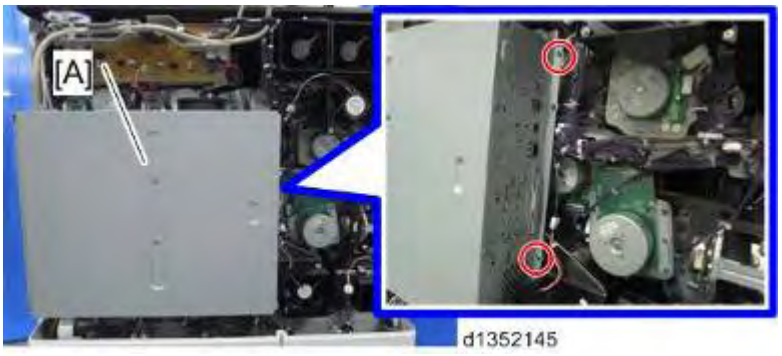
1. Drum motor (☛ page 4-373)
2. Drum HP Sensors (x 2) [A] (x 2 each, rivet x 2 each)



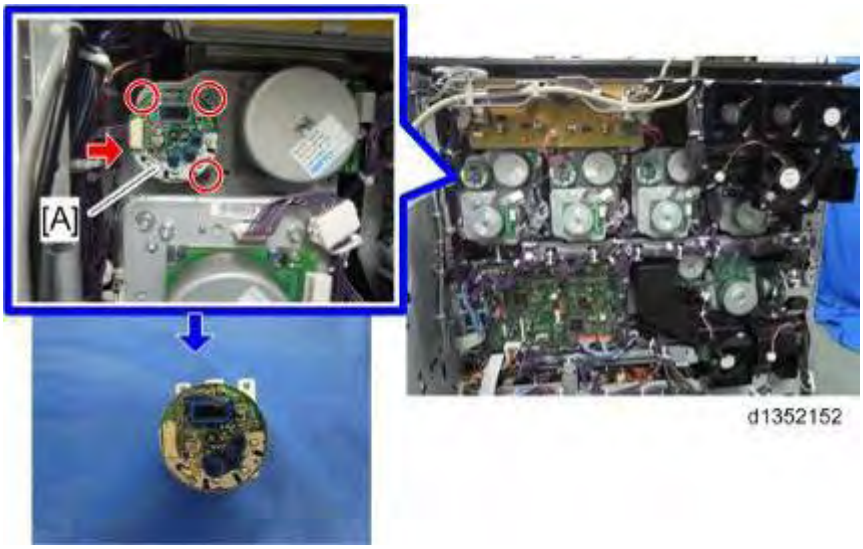
4.27.4 DRUM CLEANING MOTOR (KCMY)

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

2. Open the controller box [A] (x 2).



3. Vertical transport LED [B] along with the bracket (x 3, x 1).
e.g.: K

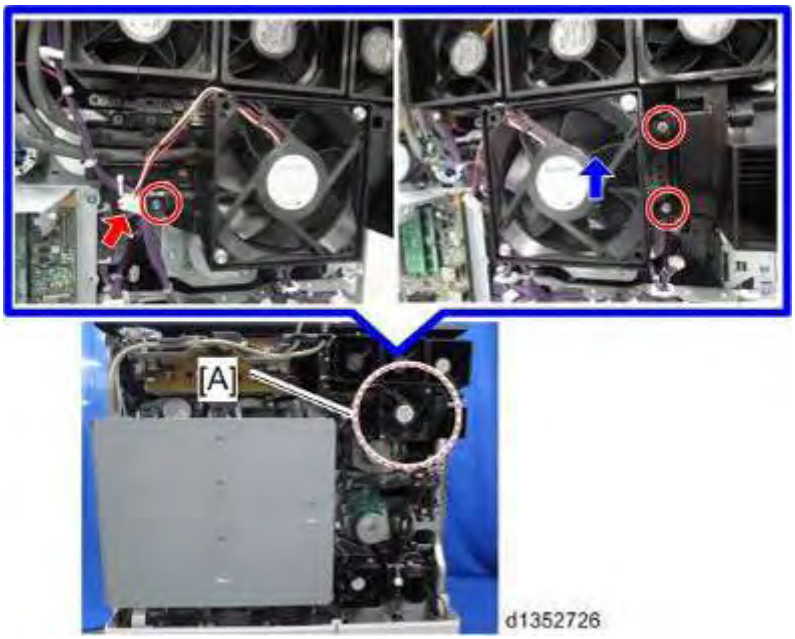


Note

- The procedures for C and M are the same as for K.
- For Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do step 3 above. (☛ page 4-379 "Removing the Drive Exhaust Fan and the Potential Sensor Board")

Removing the Drive Exhaust Fan and the Potential Sensor Board

1. Slide the drive exhaust fan [A] upward along with the duct (x 3, x 1).



2. Potential sensor board along with the bracket (x 4)

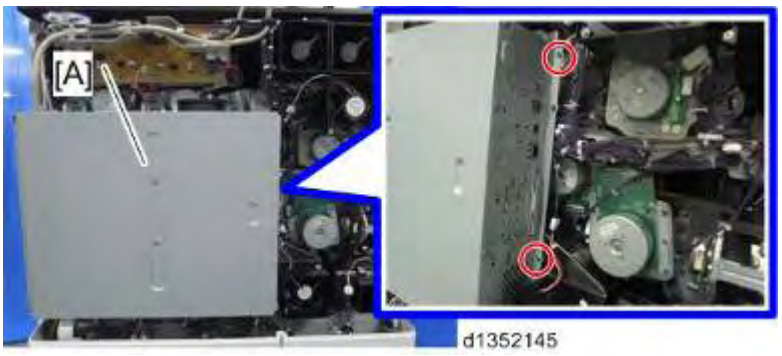
Note

- Access to the drum cleaning motor (Y) [A] is possible.

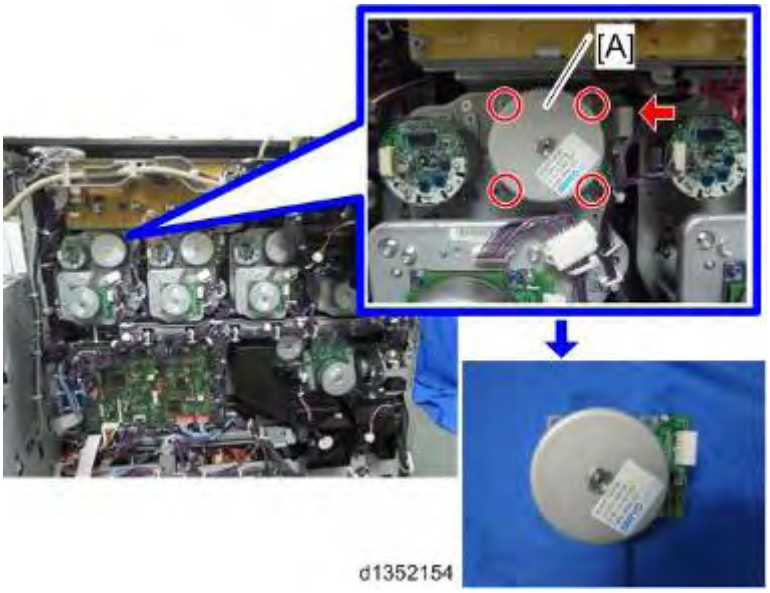
4.27.5 DEVELOPMENT MOTOR (KCMY)

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

2. Open the controller box [A] (x 2).

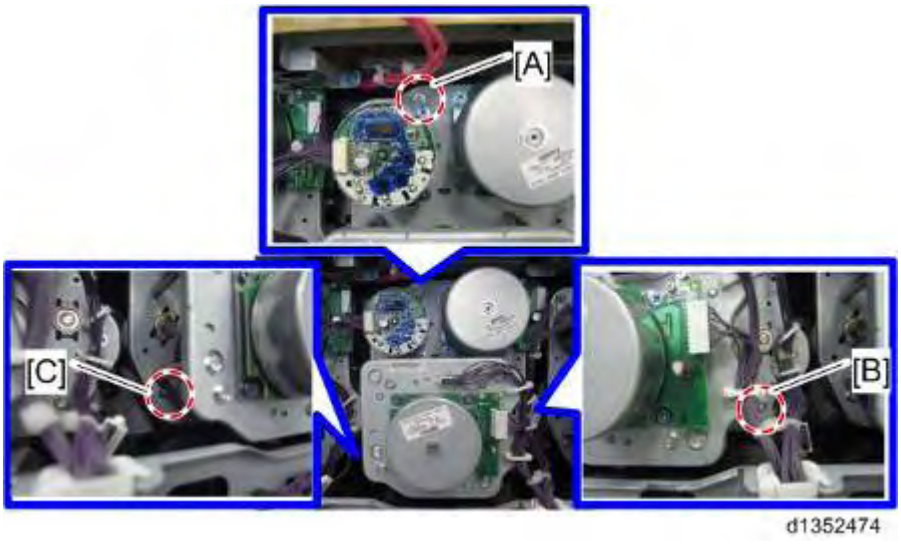


3. Development motor [A] (x 4, x 1).
   e.g.: K



Note

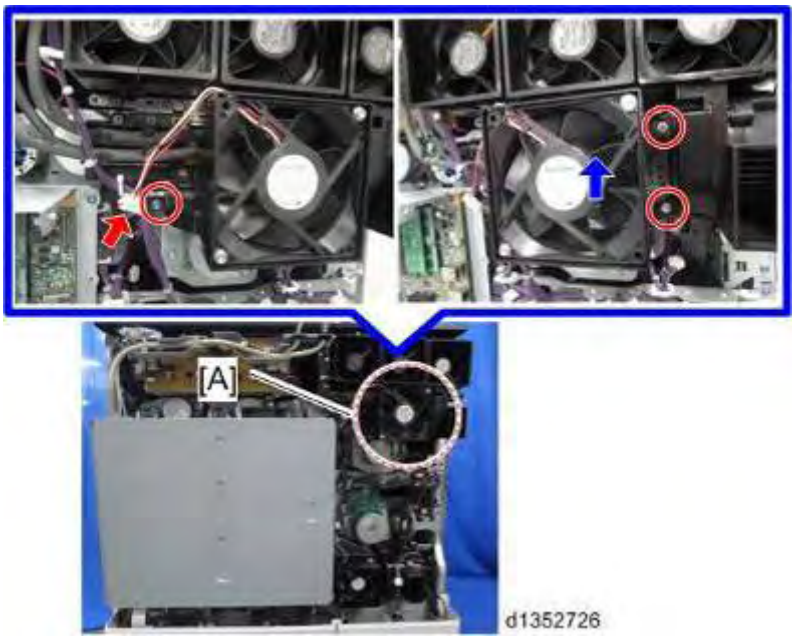
- Do not loosen or remove screws [A], [B] and [C] in the photograph below. These screws are positioned with a special jig. Loosening the screws will affect the driving of the development unit and leads to the occurrence of an abnormal image.



- The procedures for C and M are the same as for K.
- For M and Y, it is necessary to remove the drive exhaust fan and potential sensor board before you can do step 3 above. (☛ page 4-382 "Removing the Drive Exhaust Fan and the Potential Sensor Board")

Removing the Drive Exhaust Fan and the Potential Sensor Board

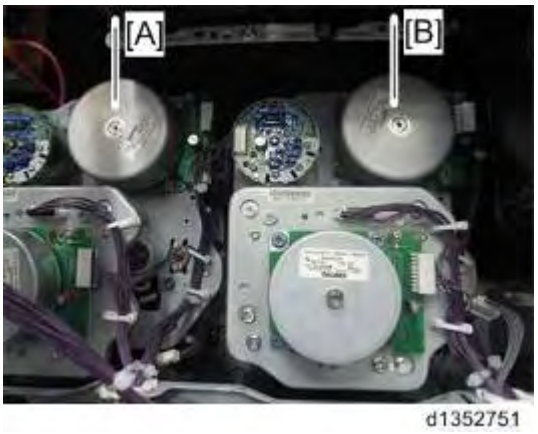
1. Slide the drive exhaust fan [A] upward along with the duct (x 3, x 1).



2. Potential sensor board along with the bracket (x 4)

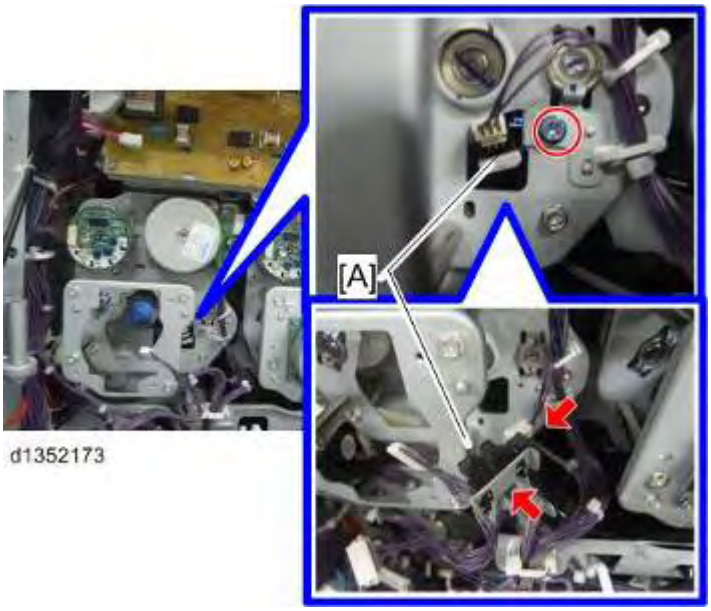
Note

- Access to the development motor (M) [A] and development motor (Y) [B] is possible.



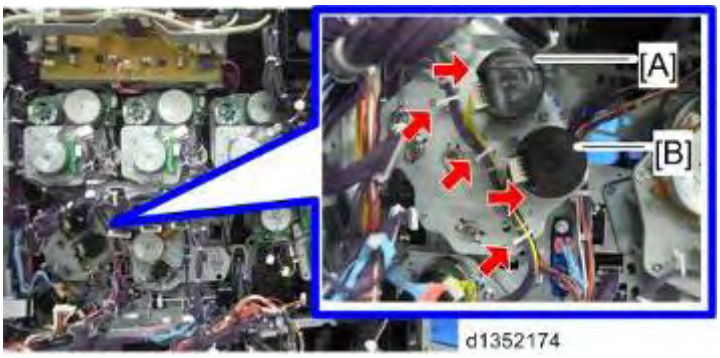
4.27.6 DEVELOPMENT ROLLER HP SENSOR (KCMY)

1. Drum motor (☛ page 4-373)
2. Development Roller HP Sensor [A] (x 1, x 1)

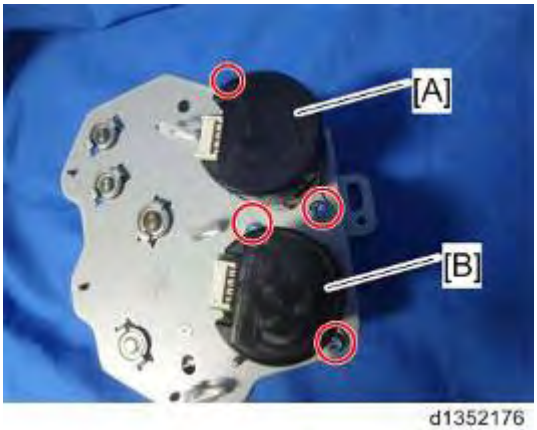


4.27.7 BY-PASS FEED MOTOR/RELAY MOTOR

1. IOB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the IOB")
2. By-pass feed motor [A] and relay motor [B] along with the bracket (x 3, x 1 each, x 3)



3. By-pass feed motor [A] and relay motor [B] (x 2, each)



Note

- When installing motors, attach the timing belt.

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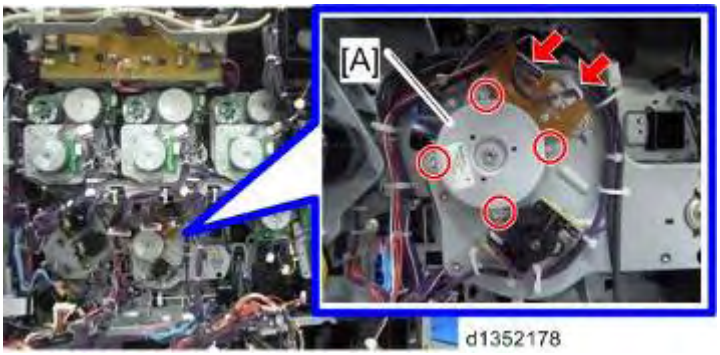
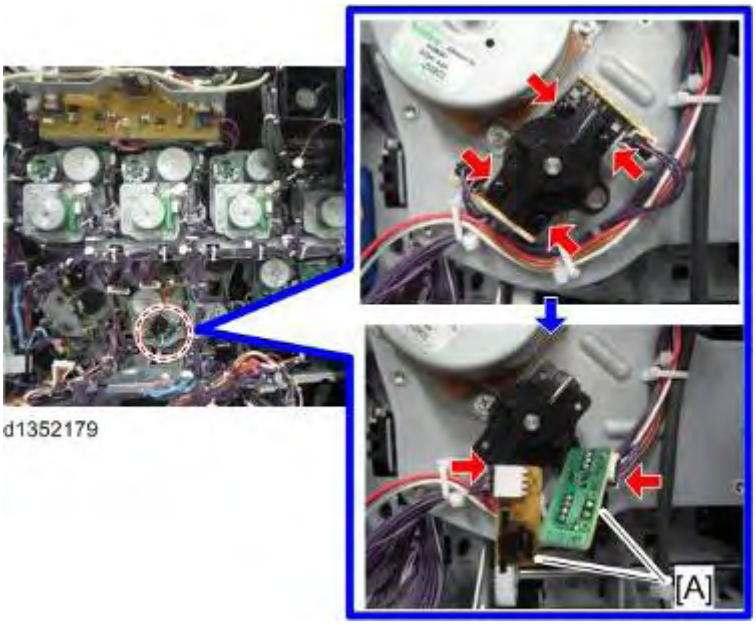
4.27.8 PTR MOTOR / PTR ENCODER SENSOR

1. IOB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the IOB")
2. PTR motor [A] (x4, x 1, x 1)



d1352178

3. PTR encoder sensors (x 2) [A] (rivet x 2 each, x 1 each)



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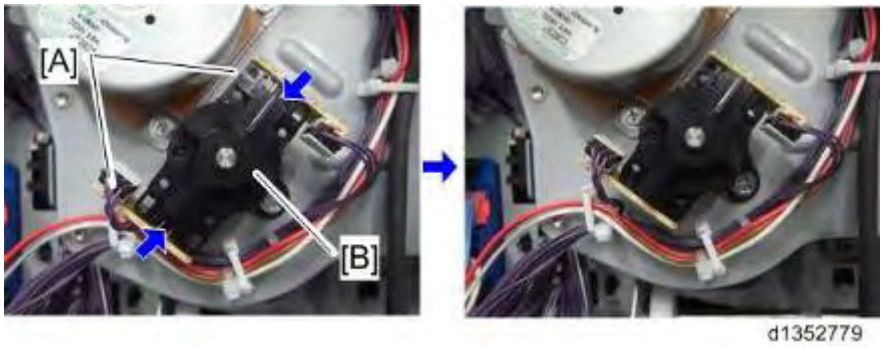
4. PTR encoder sensor cover [A] (x1)

Note

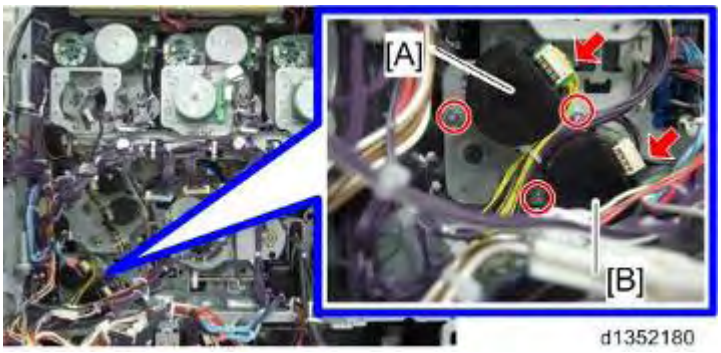
- When installing the PTR encoder sensor, put the sensor [A] on the cover [B] and fasten the sensor with rivets.



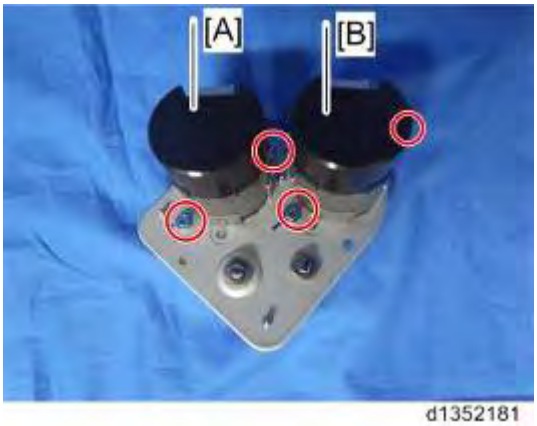
4.27.9 PAPER FEED MOTOR/TRANSPORT MOTOR

1st Paper Feed Motor/1st Transport Motor

1. IOB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the IOB")
2. 1st paper feed motor [A] and 1st transport motor [B] along with the bracket (x 3, x 1 each)



3. 1st paper feed motor [A] and 1st transport motor [B] (x 2 each)

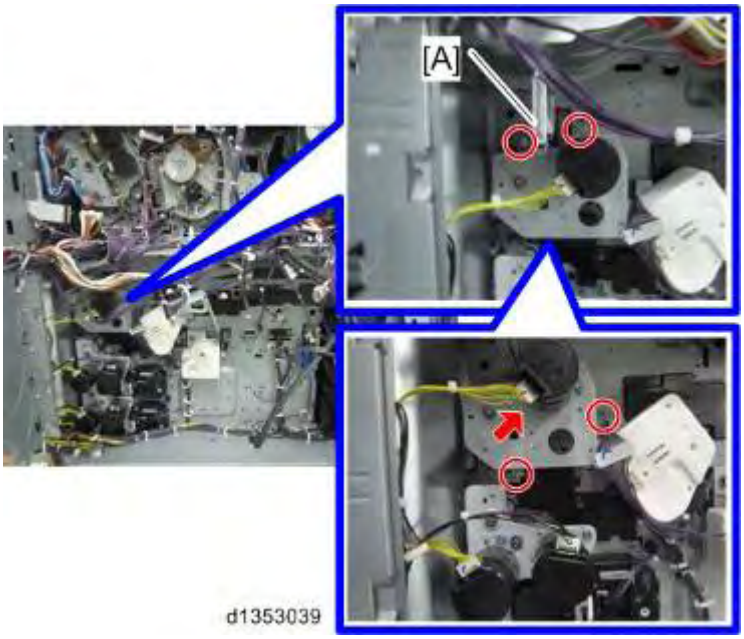


Note

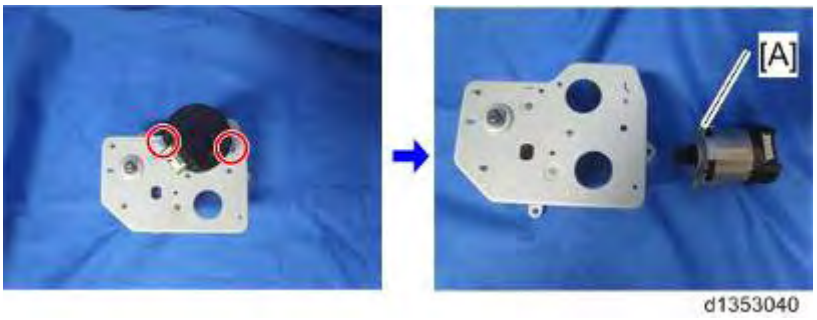
- When installing motors, attach the timing belt.

Vertical Transport Motor

1. PFB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the PFB")
2. Vertical transport motor [A] along with the bracket (x 4, x 1)



3. Vertical transport motor [A] (x 2)

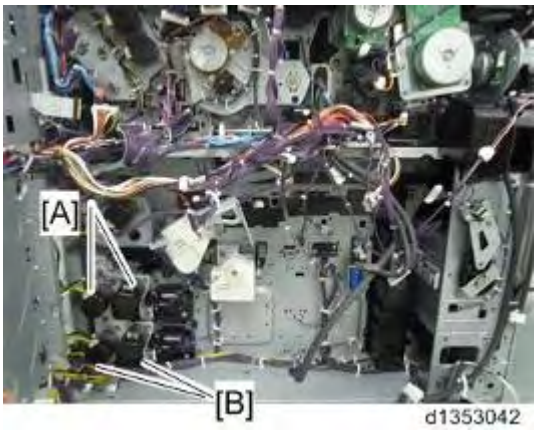


Note

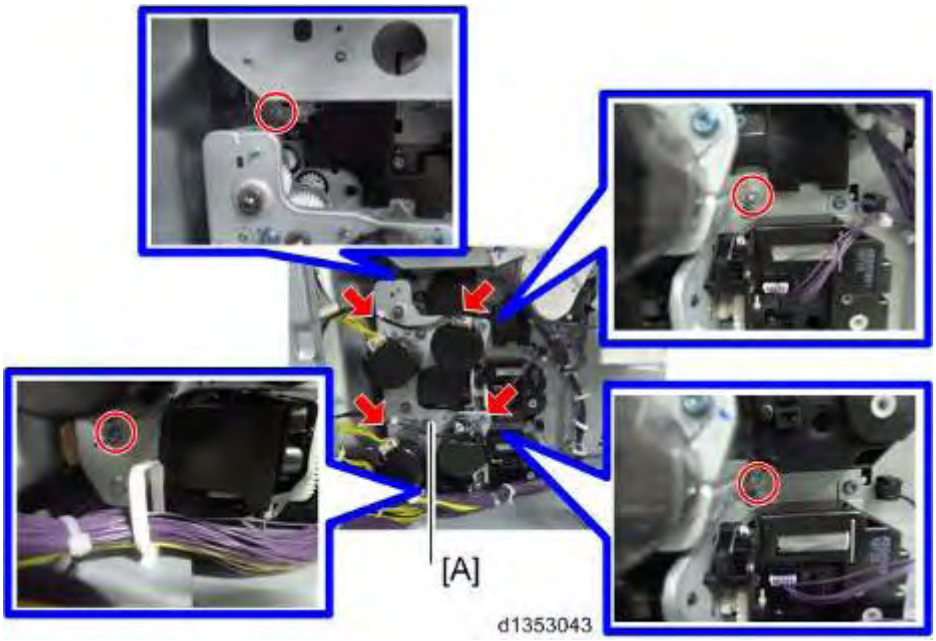
- When installing motors, attach the timing belt.

2nd Paper Feed Motor/2nd Transport Motor, 3rd Paper Feed Motor/3rd Transport Motor

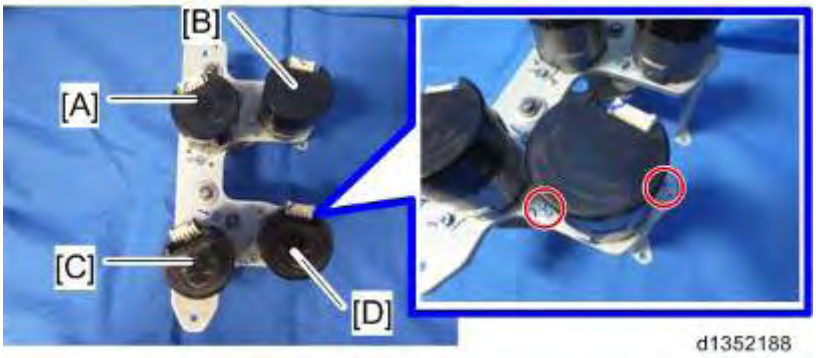
1. PFB along with the bracket, located on the back side of the machine (☛ page 4-359 "When removing the motors that are behind the PFB")
   2nd paper feed motor/2nd transport motor [A] and 3rd paper feed motor/3rd transport motor [B] are attached to one bracket.



2. Paper feed motors and transport motors (x 4) [A] along with the bracket (x 4, x 1 each)



3. 2nd transport motor [A], 2nd paper feed motor [B], 3rd transport motor [C] and 3rd paper feed motor [D] (x 2 each)



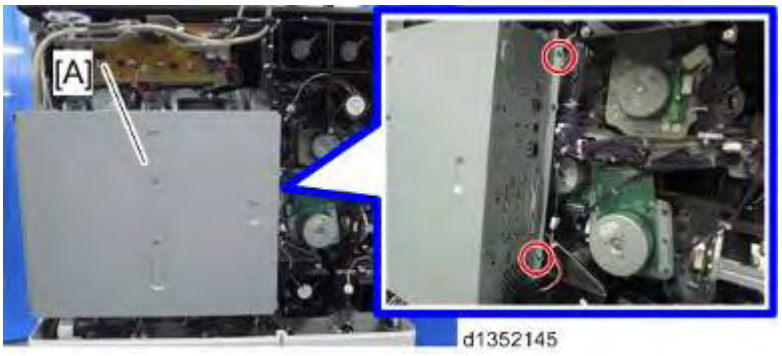
Note

- When installing motors, attach the timing belt.

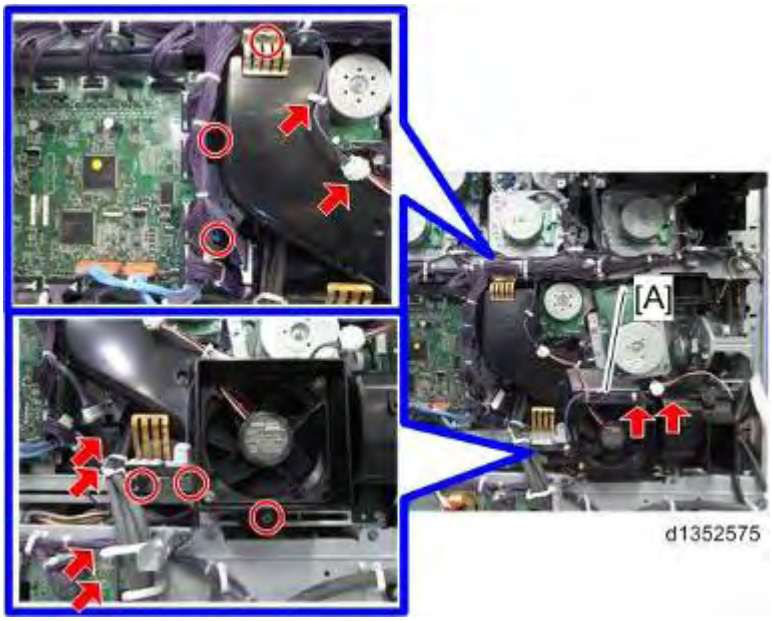
4.27.10 FUSING DRIVE MOTOR

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

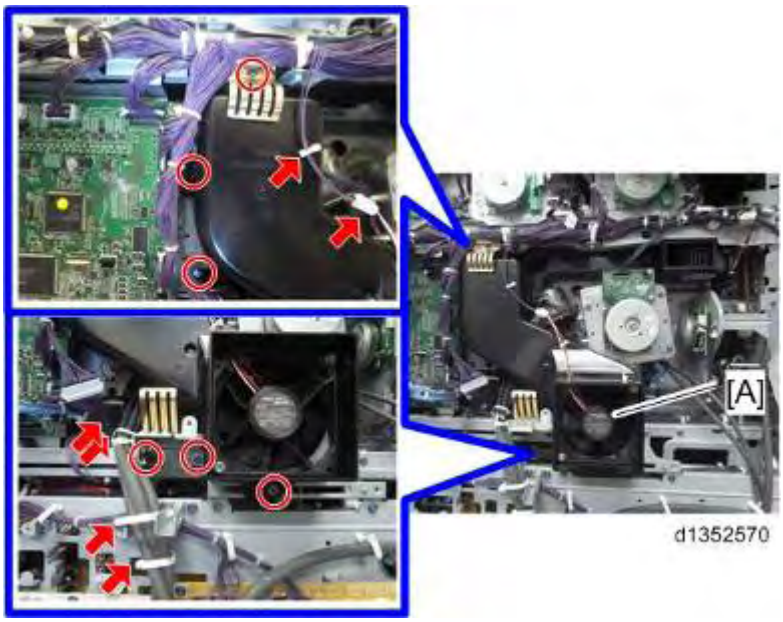
2. Open the controller box [A] (x 2).



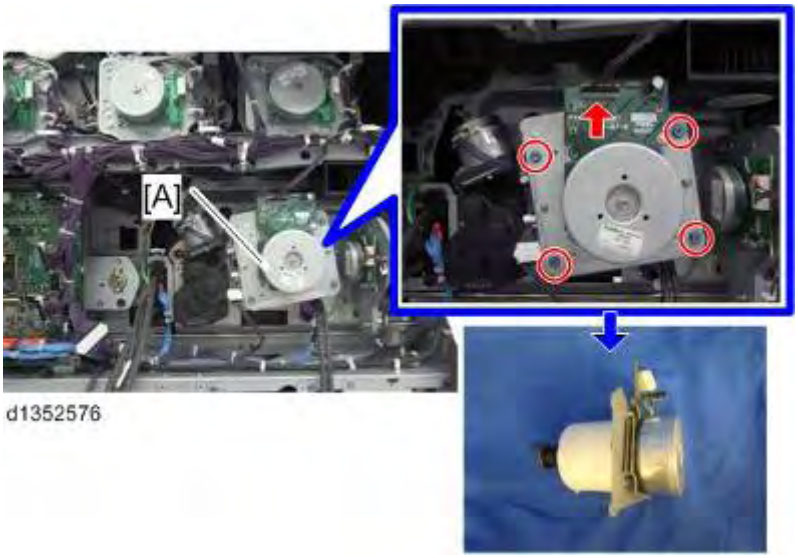
3. PTR fusing exhaust fan and the grounding plate [A] along with the duct
   D137/D138: x 6, x 2, x 6



   D135/D136: x 6, x 1, x 5



4. Fusing drive motor [A] (x 4, x 1).

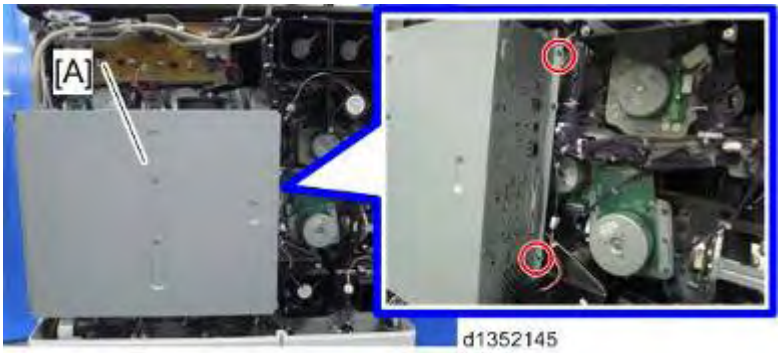


4.27.11 WASTE TONER COLLECTION MOTOR

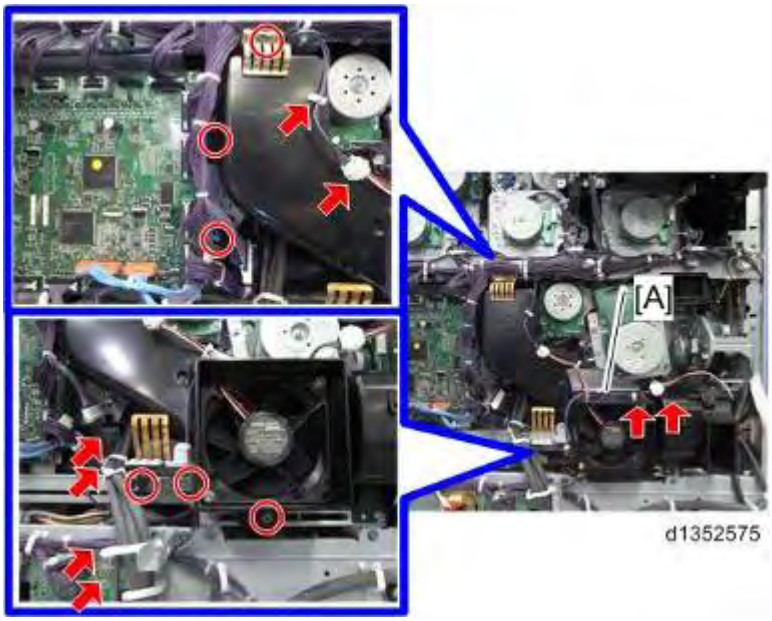
Removing the Waste Toner Collection Motor

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

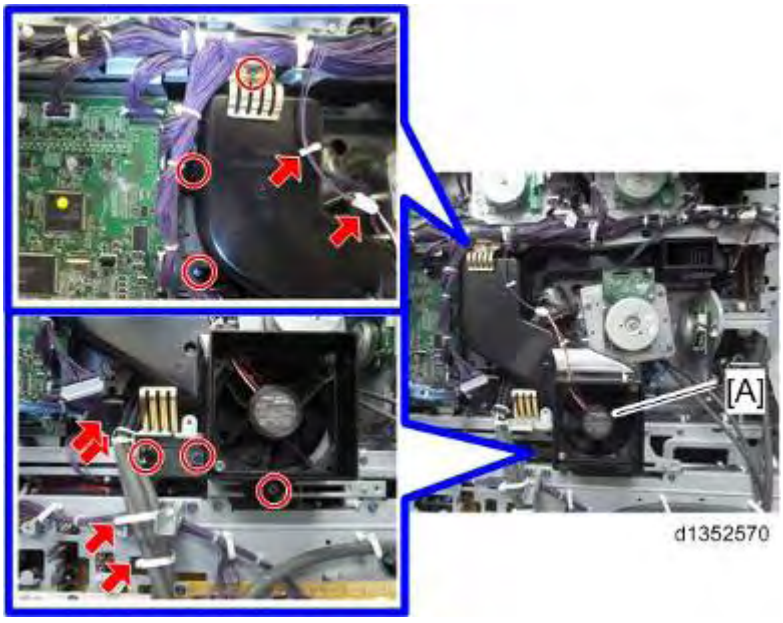
2. Open the controller box [A] (x 2).



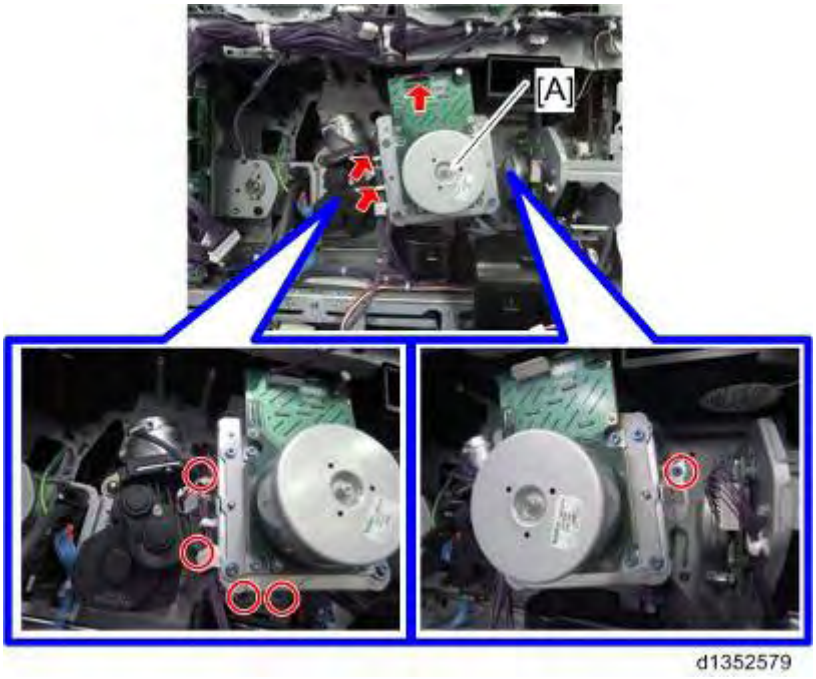
3. PTR fusing exhaust fan and the grounding plate [A] along with the duct
   D137/D138: x 6, x 2, x 6



   D135/D136: x 6, x 1, x 5



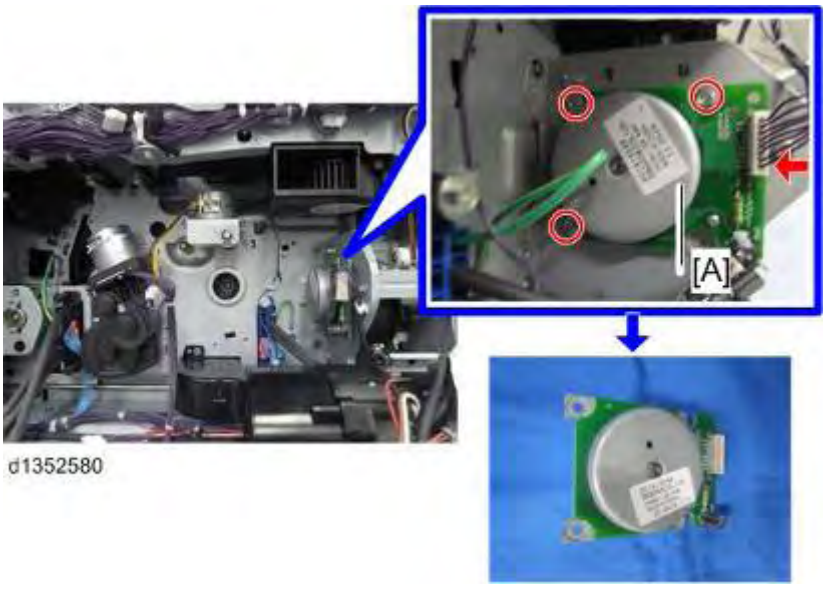
4. Fusing drive motor [A] along with the bracket (x 5, x 1, x 2).



Note

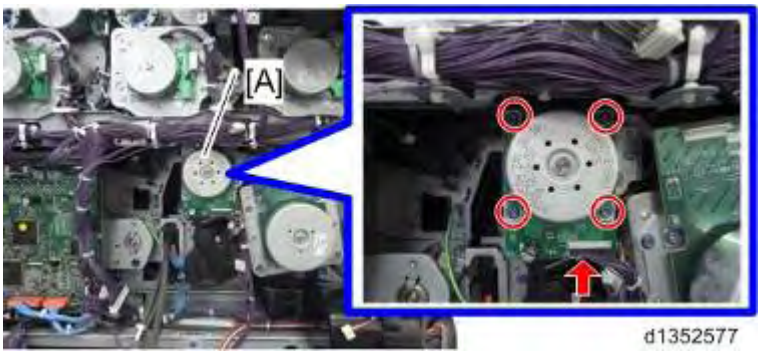
- For D137/D138, in order to remove the fusing drive motor along with the bracket, you must remove the bracket of the fusing belt smoothing roller drive motor. (☛ page 4-394 "Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket")

5. Waste toner collection motor [A] (x 3, x 1)

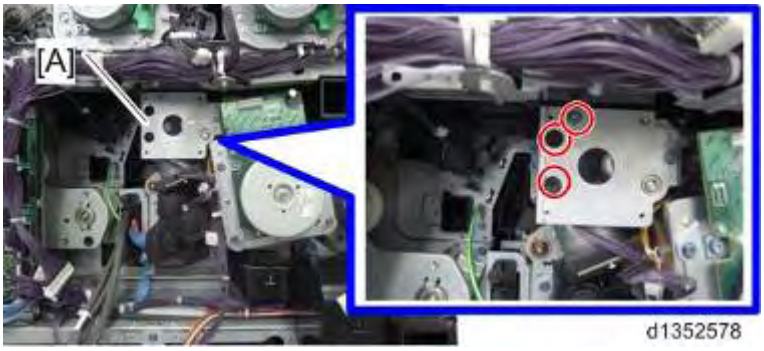


Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket

1. Fusing belt smoothing roller drive motor [A] (x 4, x 1)



2. The bracket [A] of the fusing belt release roller drive motor (x 3).



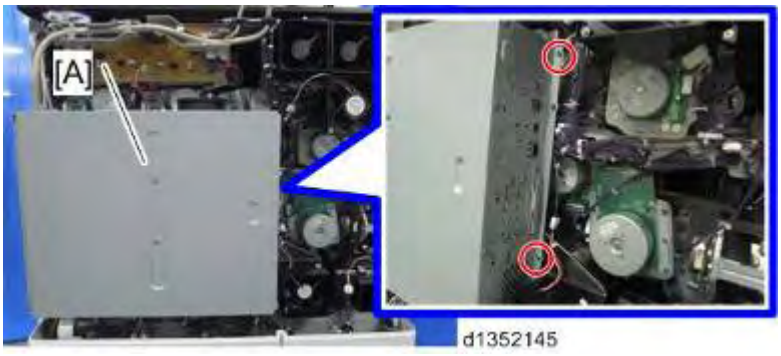
Note

- Access to the bracket [A] of the fusing drive motor is possible.

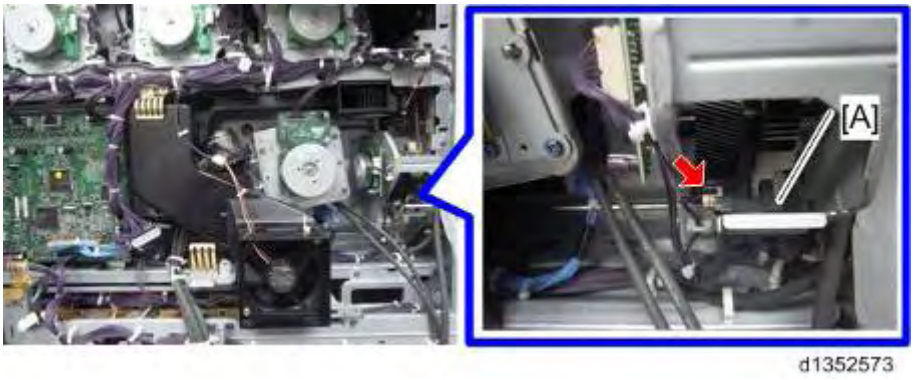
4.27.12 WASTE TONER LOCK SENSOR

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

2. Open the controller box [A] (x 2).



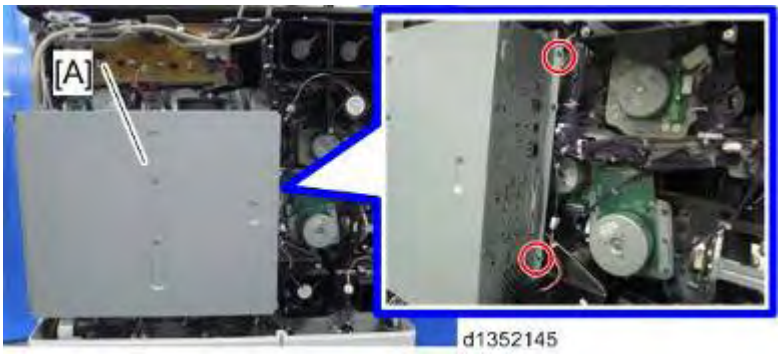
3. Waste toner lock sensor [A] (x 1)



4.27.13 FUSING RELEASE MOTOR

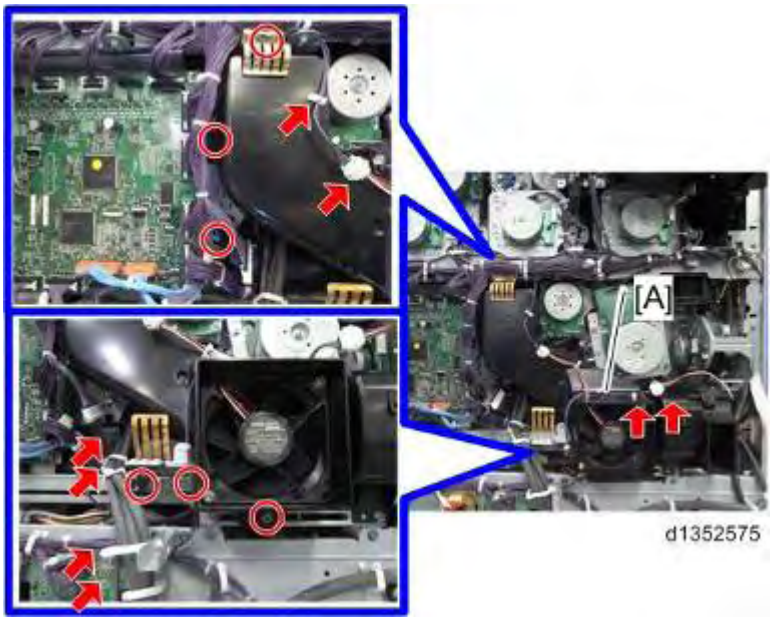
1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

2. Open the controller box [A] (x 2).

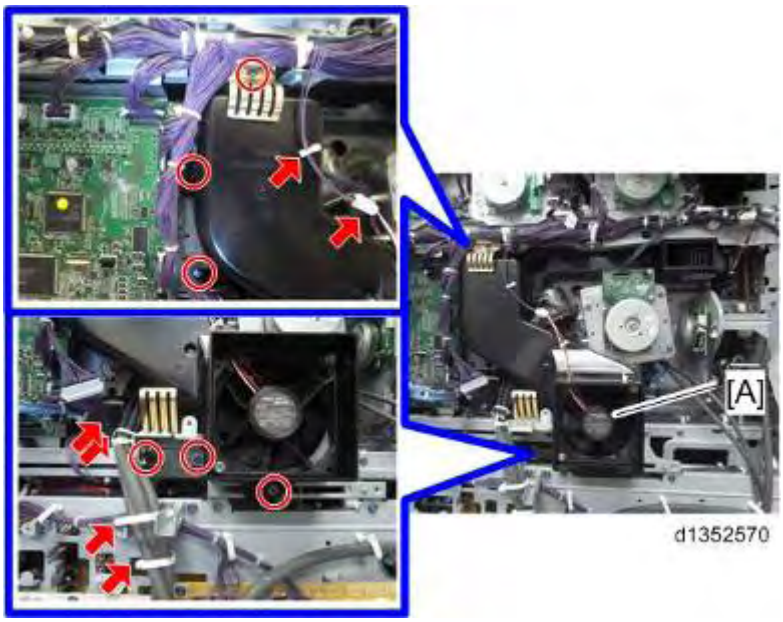


3. PTR fusing exhaust fan and the grounding plate [A] along with the duct

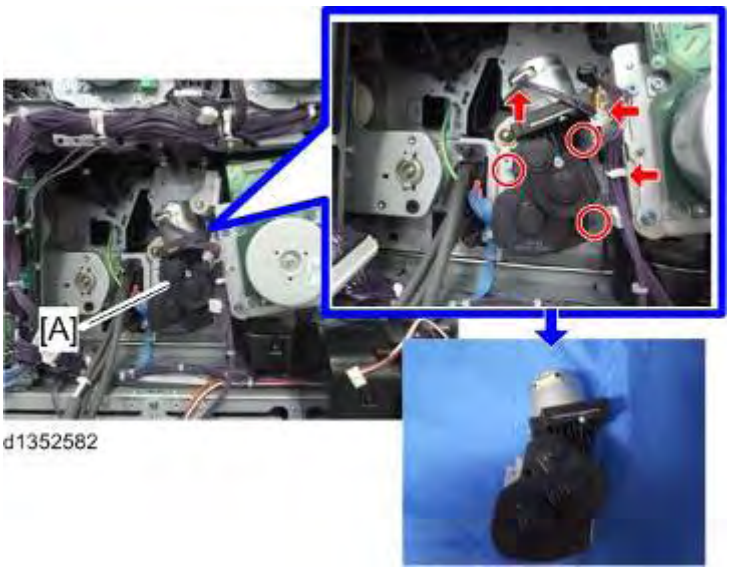
D137/D138: x 6, x 2, x 6



D135/D136: x 6, x 1, x 5



4. Fusing release motor [A] (x 3, x 1)

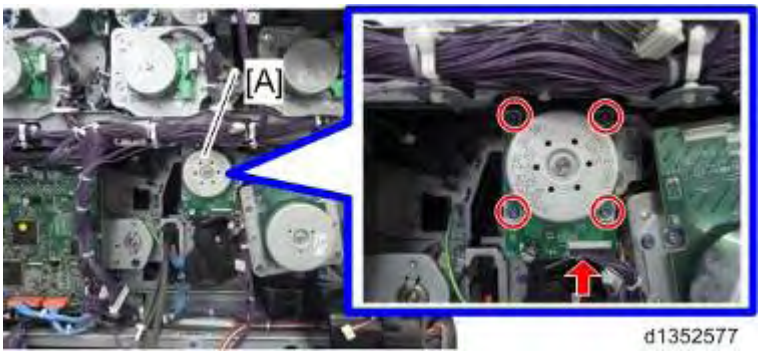


Note

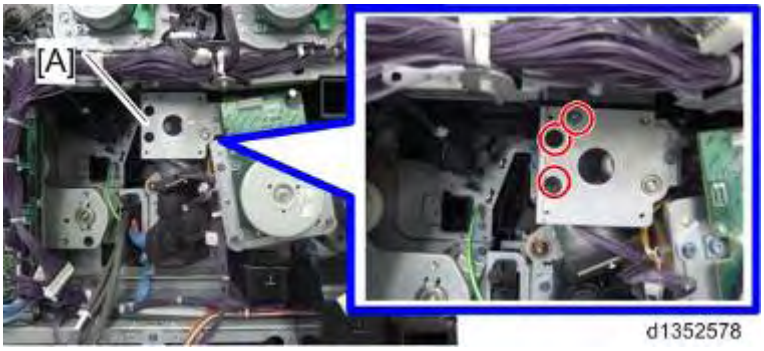
- For D137/D138, in order to remove the fusing release motor, you must remove the bracket of the fusing belt smoothing roller drive motor. (☛page 4-398 "Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket")

Removing the Fusing Belt Smoothing Roller Drive Motor and the Bracket

1. Fusing belt smoothing roller drive motor [A] (x 4, x 1)



2. The bracket [A] of the fusing belt release roller drive motor (x 3).



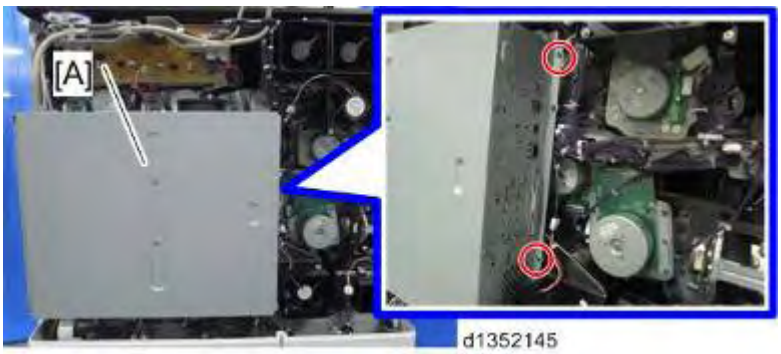
Note

- Access to the fusing release motor is possible.

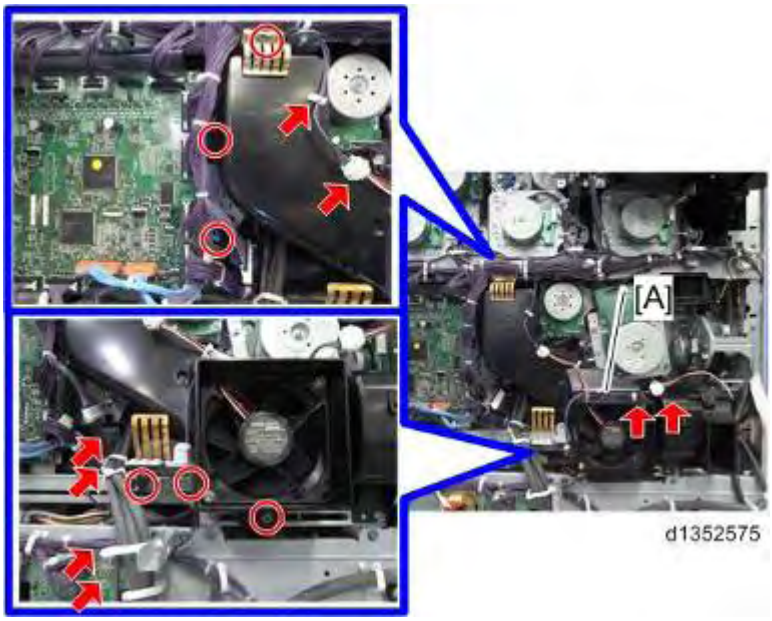
4.27.14 FUSING BELT SMOOTHING ROLLER DRIVE MOTOR (D137/D138 ONLY)

1. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

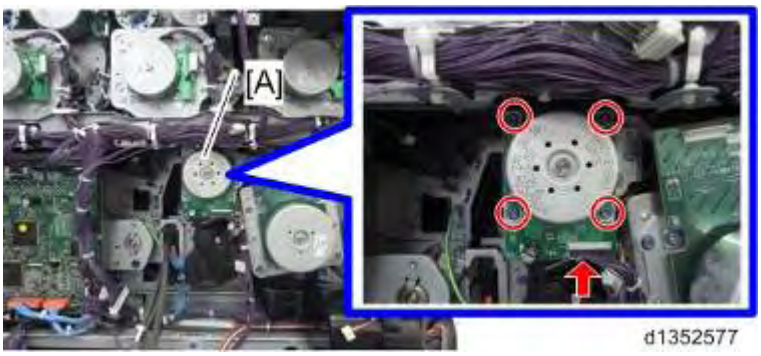
2. Open the controller box [A] (x 2).



3. PTR fusing exhaust fan and the grounding plate [A] along with the duct (x 6, x 2, x 6)

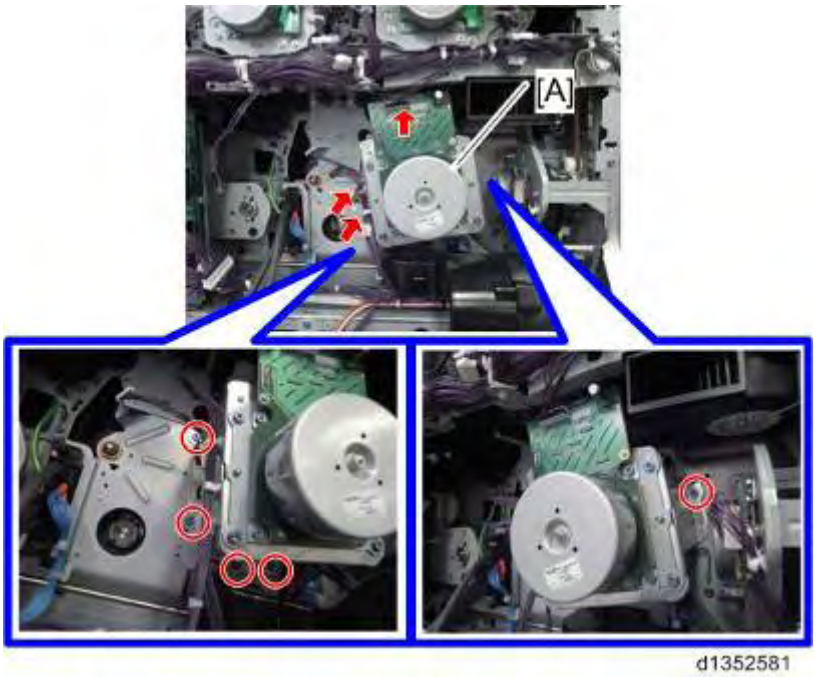


4. Fusing belt smoothing roller drive motor [A] (x 4, x 1)


[A]
d1352577

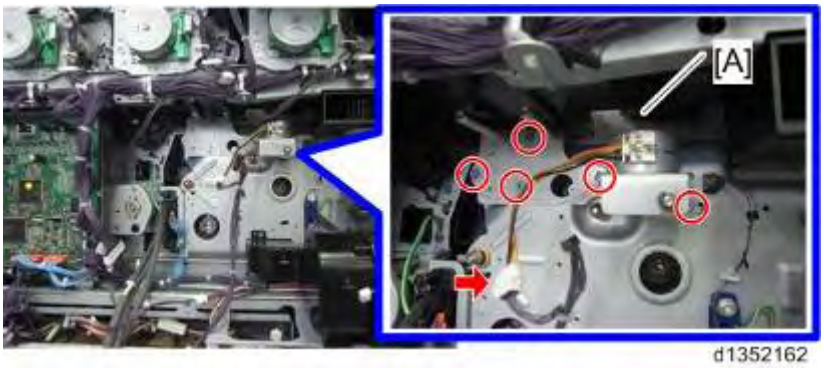
4.27.15 FUSING BELT SMOOTHING ROLLER CONTACT MOTOR (D137/D138 ONLY)

1. Fusing Release Motor (☛ page 4-396)
2. Fusing drive motor [A] along with the bracket (x 5, x 1, x 2)



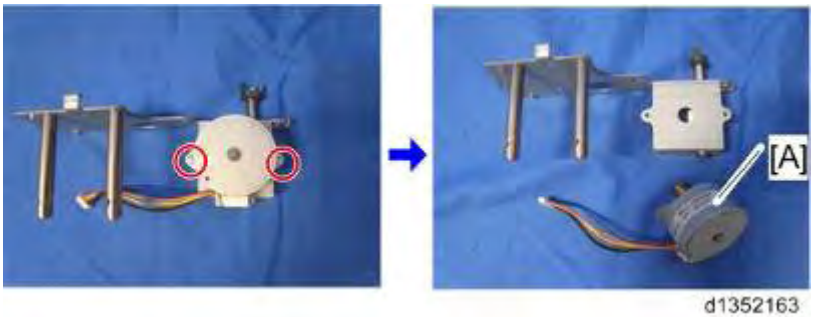
d1352581

3. Fusing belt release roller contact motor [A] along with the bracket (x 5, x 1)



d1352162

4. Fusing belt release roller contact motor [A] (x 2)

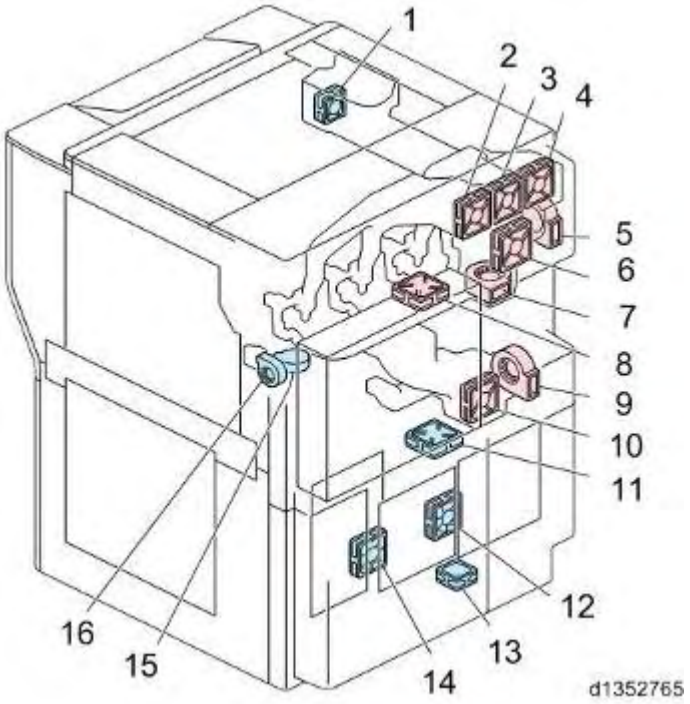


d1352163

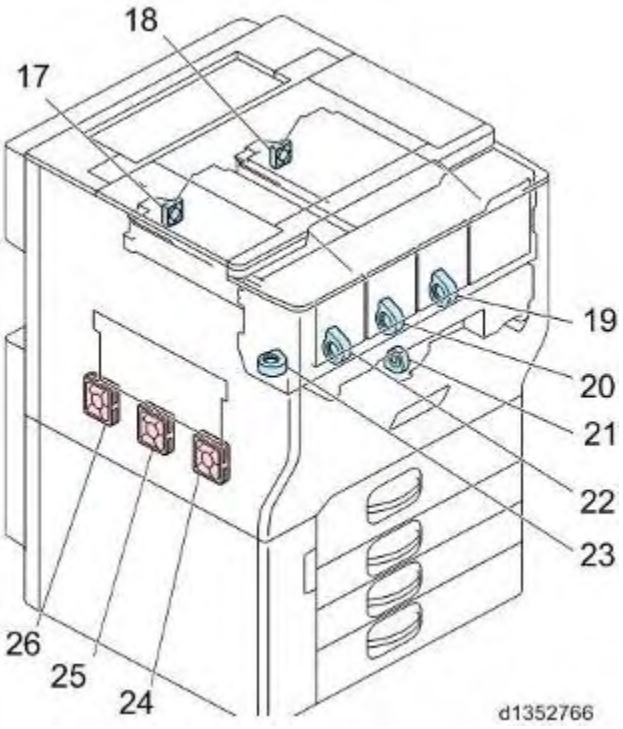
4.28 FANS AND FILTERS

4.28.1 LAYOUT (FANS)

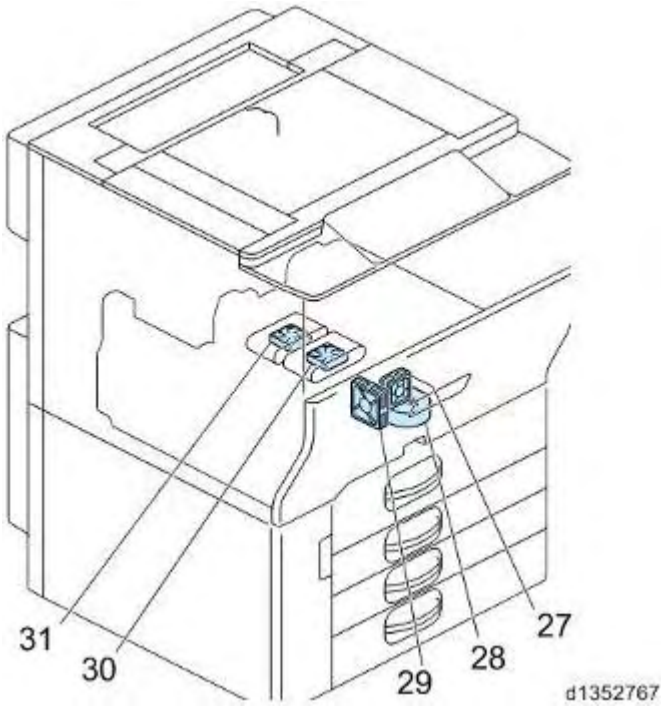
Main Machine (Rear)



Main Machine (Front)



Drawer (Inside)



No.	Part Name	Replacement procedure	Remarks
1	Heat Pipe Panel Intake Fan	☛ page 4-414	
2	Development Exhaust Fan (Right)	☛ page 4-407	
3	Development Exhaust Fan (Left)	☛ page 4-407	
4	Heat Pipe Panel Exhaust Fan	☛ page 4-413	
5	Fusing Exit Exhaust Fan	☛ page 4-410	
6	Drive Exhaust Fan	☛ page 4-410	
7	Ozone Exhaust Fan	☛ page 4-417	
8	Controller Exhaust Fan	☛ page 4-406	
9	Fusing Pressure Roller Exhaust Fan	☛ page 4-411	D137/D138 only
10	PTR Fusing Exhaust Fan	☛ page 4-415	
11	Controller Intake Fan	☛ page 4-406	
12	PSU Fan (Left)	☛ page 4-422	

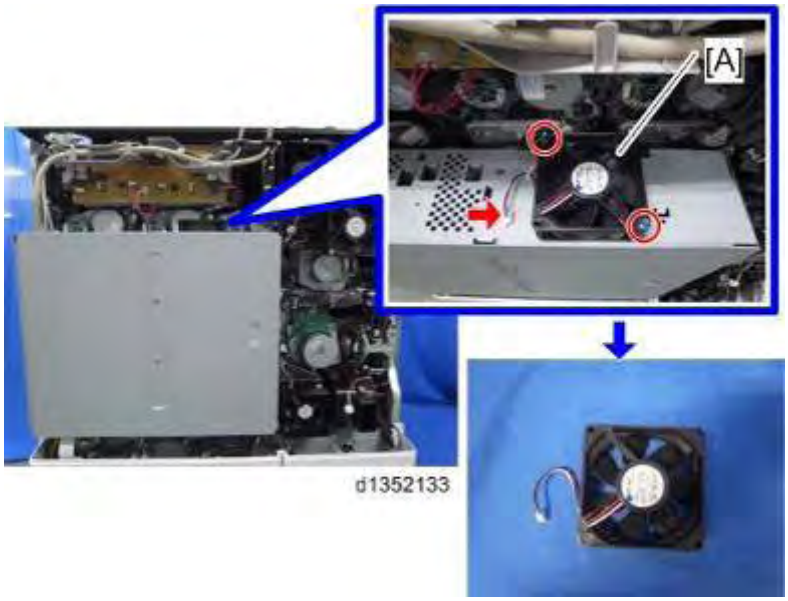
No.	Part Name	Replacement procedure	Remarks
13	IH Coil Power Cooling Fan	☛ page 4-419	
14	PSU Fan (Right)	☛ page 4-422	
15	ITB Motor Cooling Fan	☛ page 4-416	
16	ID Sensor Cleaning Fan	☛ page 4-421	
17	Laser Unit Cooling Fan (Left)	☛ page 4-142	
18	Laser Unit Cooling Fan (Right)	☛ page 4-142	
19	Development Intake Fan (K)	☛ page 4-409	
20	Development Intake Fan (C)	☛ page 4-409	
21	ITB Cleaning Intake Fan	☛ page 4-420	
22	Development Intake Fan (M)	☛ page 4-409	
23	Development Intake Fan (Y)	☛ page 4-409	
24	Duplex Exhaust Fan (Front)	☛ page 4-418	
25	Duplex Exhaust Fan (Middle)	☛ page 4-418	
26	Duplex Exhaust Fan (Rear)	☛ page 4-418	
27	IH Coil Cooling Fan	☛ page 4-419	
28	Fusing Pressure Roller Intake Fan	☛ page 4-94	D137/D138 only
29	Fusing Heat Pipe Cooling Fan	☛ page 4-92	
30	PTB Fan (Front)	☛ page 4-254	
31	PTB Fan (Rear)	☛ page 4-254	

4.28.2 LAYOUT (FILTERS)

No.	Part Name	Replacement procedure	Remarks
1	Dust Filter (Large)	☛ page 4-424	
2	Ozone Filter (Large)	☛ page 4-425	
3	Deodorizing Filter (Small)	☛ page 4-423	
4	Dust Filter (Small)	☛ page 4-424	
5	Ozone Filter (Small)	☛ page 4-425	
6	Deodorizing Filter (Large)	☛ page 4-423	

4.28.3 CONTROLLER EXHAUST FAN

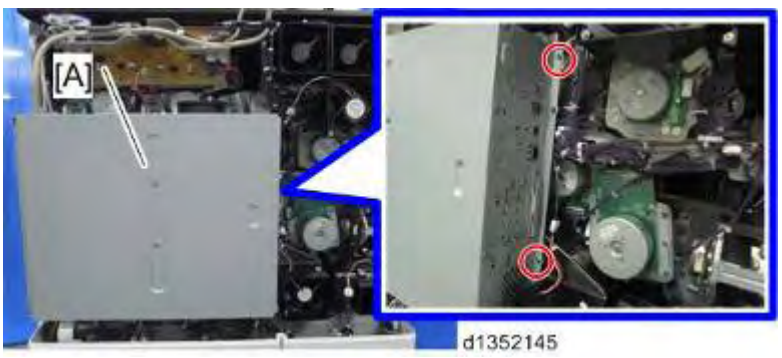
1. Rear middle cover (☛ page 4-19)
2. Controller exhaust fan [A] (x 2, x 1)



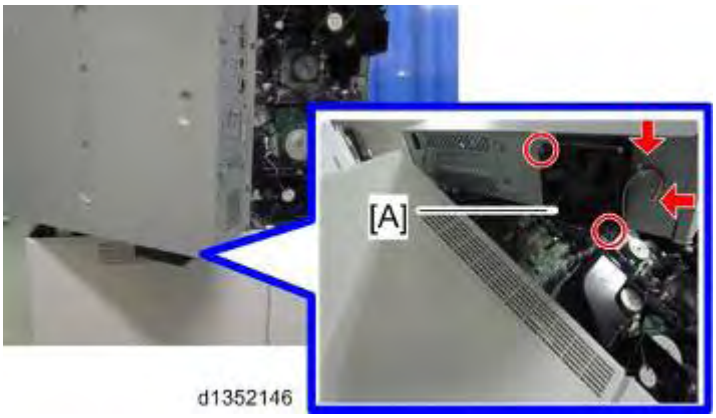
4.28.4 CONTROLLER INTAKE FAN

1. Rear middle cover (☛ page 4-19)
2. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

3. Open the controller box [A] (x 2).

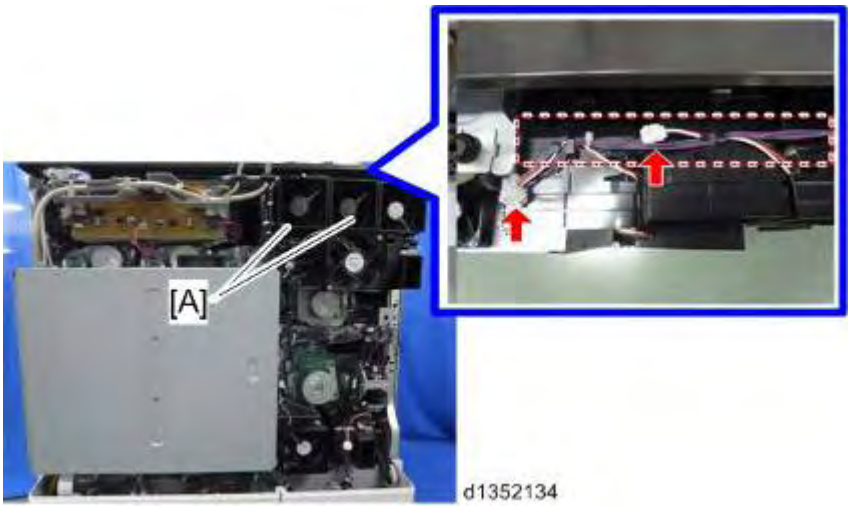


4. Controller intake fan [A] (x 1, x 1)



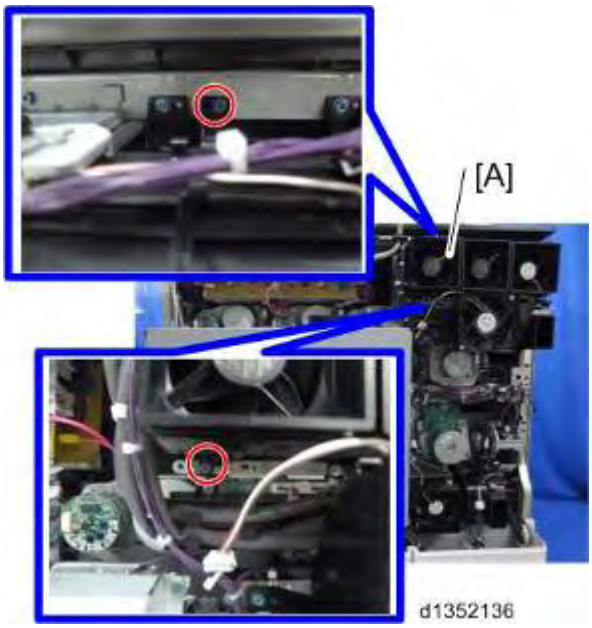
4.28.5 DEVELOPMENT EXHAUST FANS (RIGHT / LEFT)

1. Rear middle cover (page 4-19)
2. Disconnect the harness to remove the development exhaust fans [A] along with the duct (x 1 each)



3. Disconnect the left clamp to remove the development exhaust fan (right) [A] (x 1).

4. Development exhaust fans (Right / Left) [A] along with the duct (x 2 each)
   e.g.: Development exhaust fan (right)

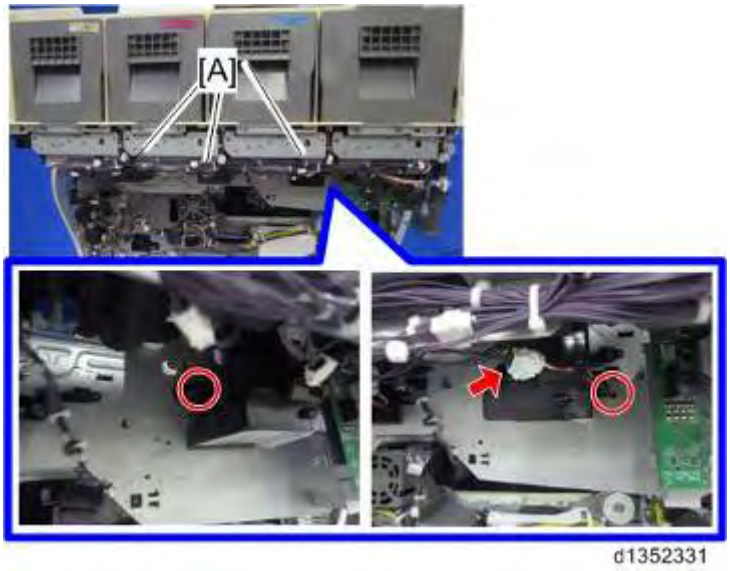


5. Remove the hooks and take out the development exhaust fans (right / left) [A]

e.g.: Development exhaust fan (right)

4.28.6 DEVELOPMENT INTAKE FANS (KCMY)

1. Toner supply unit inner cover (☛ page 4-100)
2. Development intake fans (KCM) [A] (x 2 each, x 1 each)



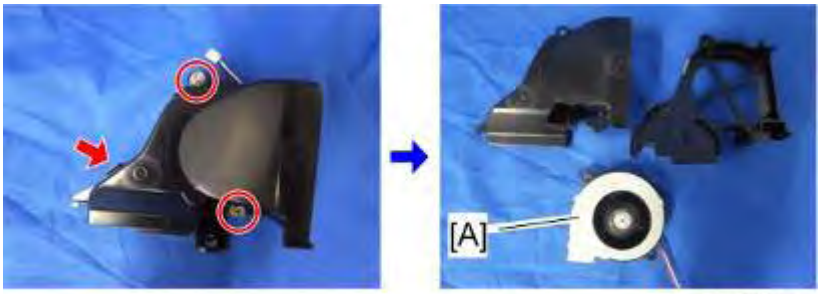
d1352331

Note

- Development intake fan (Y) [A] from the right side (x 2, x 1)

d1352333

3. Development intake fan (x2, hook x 1)



d1352332

4.28.7 DRIVE EXHAUST FAN

1. Rear middle cover (☛ page 4-19)
2. Drive exhaust fan [A] (x 2, x 1)

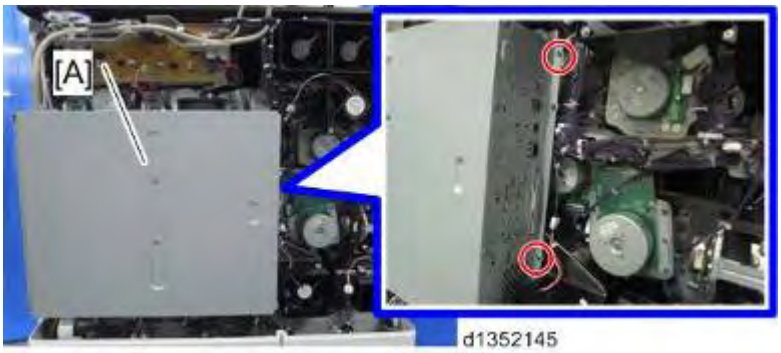
4.28.8 FUSING EXIT EXHAUST FAN

1. Rear middle cover (☛ page 4-19)
2. Fusing exit exhaust fan [A] (x 2, x 1)

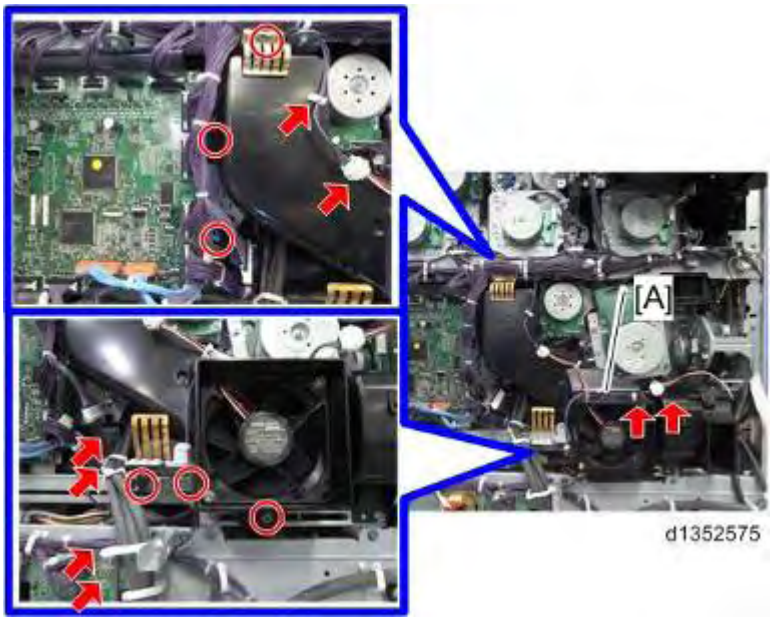
4.28.9 FUSING PRESSURE ROLLER EXHAUST FAN (D137/D138 ONLY)

1. Rear middle cover (☛ page 4-19)
2. Rear lower cover (☛ page 4-20)
3. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

4. Open the controller box [A] (x 2).



5. Remove the PTR fusing exhaust fan [A] and the grounding plate along with the duct (x 6, x 2, x 6).



6. Fusing pressure roller exhaust fan [A] along with the duct (x 2, x 1)

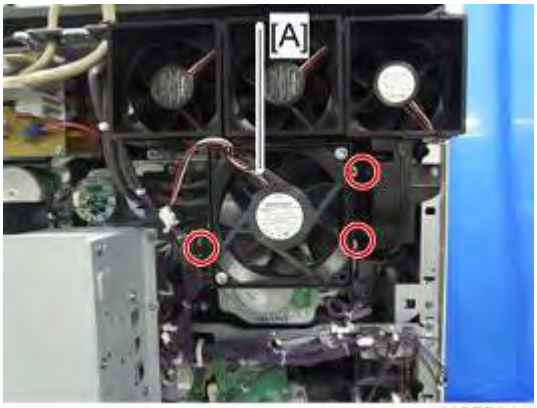
d1352148

7. Fusing pressure roller exhaust fan [A] (x 2, x 1)

d1352149

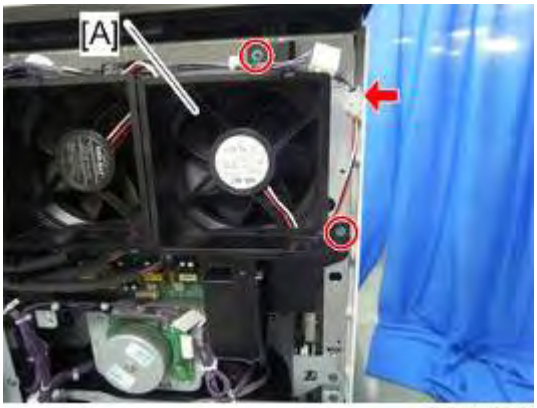
4.28.10 HEAT PIPE PANEL EXHAUST FAN

1. Rear middle cover (☛ page 4-19)
2. Drive exhaust fan [A] along with the duct (x 3)



d1352141

3. Fusing exit exhaust fan (☛ page 4-410)
4. Heat pipe panel exhaust fan [A] along with the duct (x 2, x 1)



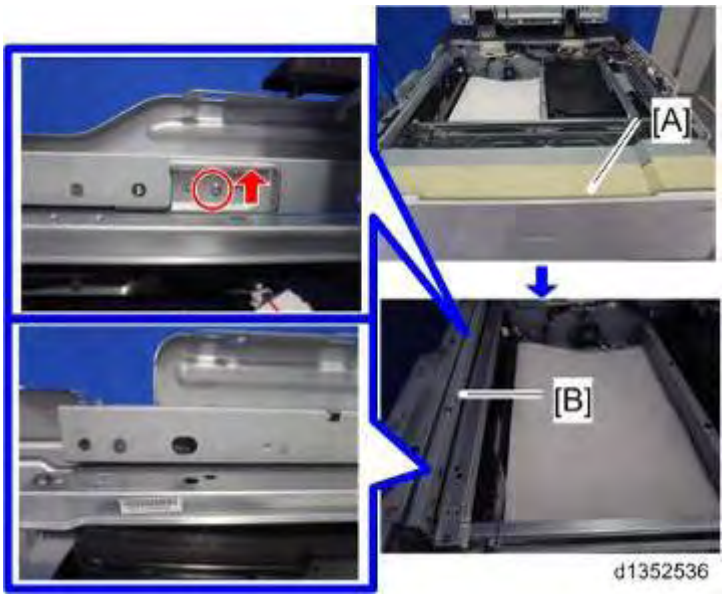
d1352142

5. Remove the hooks and take out the heat pipe panel exhaust fan [A].

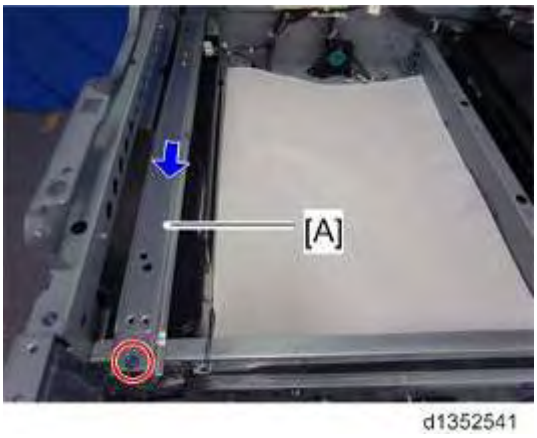
d1352143

4.28.11 HEAT PIPE PANEL INTAKE FAN

1. Left middle cover (☛ page 4-15)
2. PCDU (☛ page 4-146)
3. Remove the toner supply unit [A] and remove the left slide stay [B] (x 2).

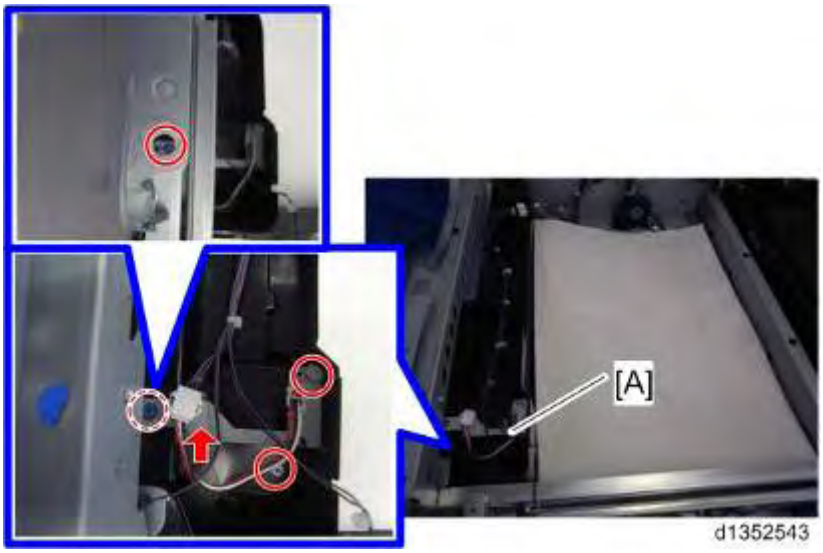


4. Stay [A] (x 1)

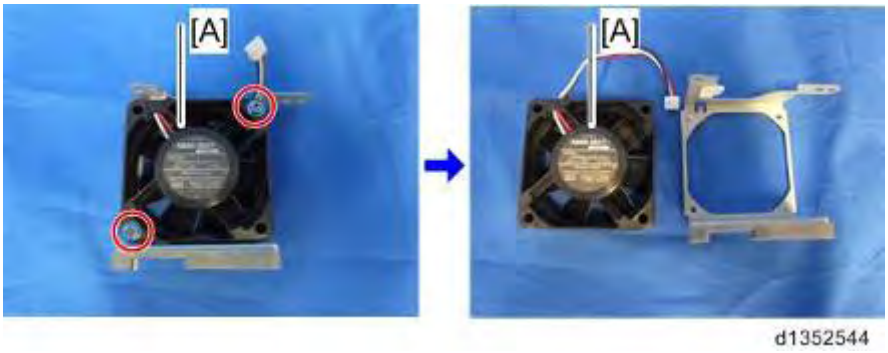


5. Duct [A] (hook x 2)

6. Heat pipe panel intake fan [A] along with the bracket (x 3, x 1)

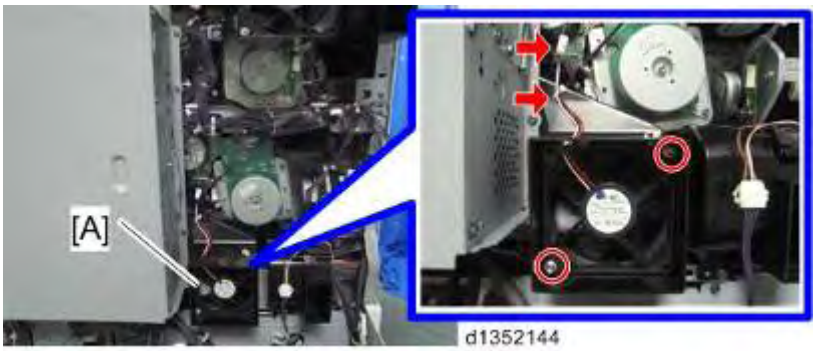


7. Heat pipe panel intake fan [A] (x 2)



4.28.12 PTR FUSING EXHAUST FAN

1. Rear middle cover (page 4-19)
2. PTR fusing exhaust fan [A] (x 2, x 1, x 1)



4.28.13 ITB MOTOR COOLING FAN

1. Rear middle cover (☛ page 4-19)
2. Remove the retaining bracket [A] of the controller box which is located at the rear of the machine (x 2).

3. Open the controller box [A] (x 2).

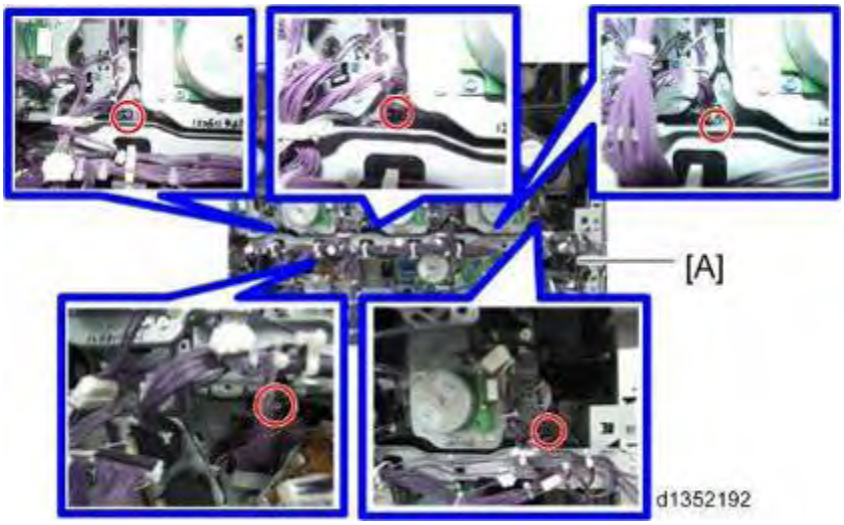
4. ITB motor cooling fan [A] along with the bracket (x 2, x 1)

5. ITB motor cooling fan [A] (x 2, x 1)

4.28.14 OZONE EXHAUST FAN

1. Frame [A] (x1, all s, all s)

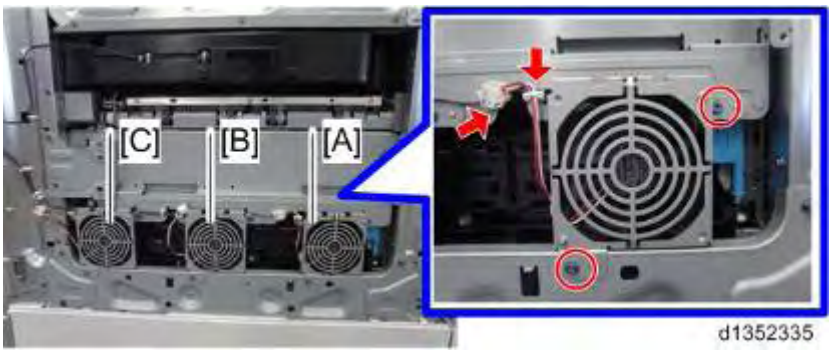
2. Ozone exhaust fan [A] along with the duct (x 5)



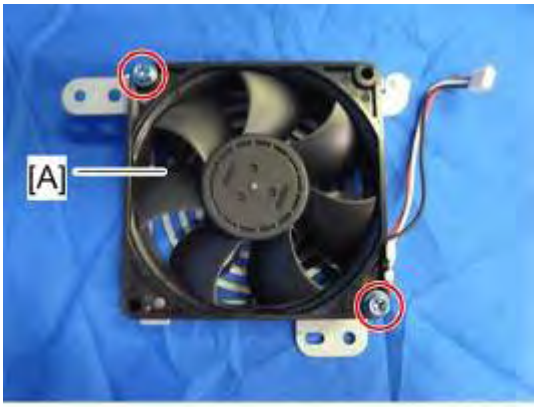
3. Ozone exhaust fan [A] (x 2, x 1)

4.28.15 DUPLEX EXHAUST FANS (FRONT / MIDDLE / REAR)

1. Left middle cover (☛ page 4-15)
2. Duplex exhaust fan (front) [A], duplex exhaust fan (middle) [B] and duplex exhaust fan (rear) [C] along with the duct (x 2, x 1, x 1)

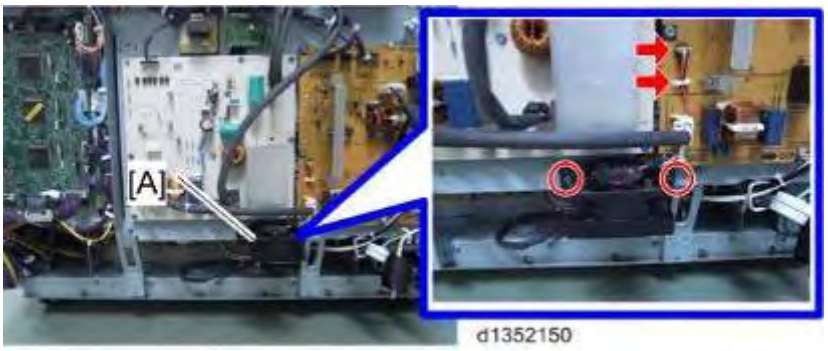


3. Duplex exhaust fans [A] (x 2)

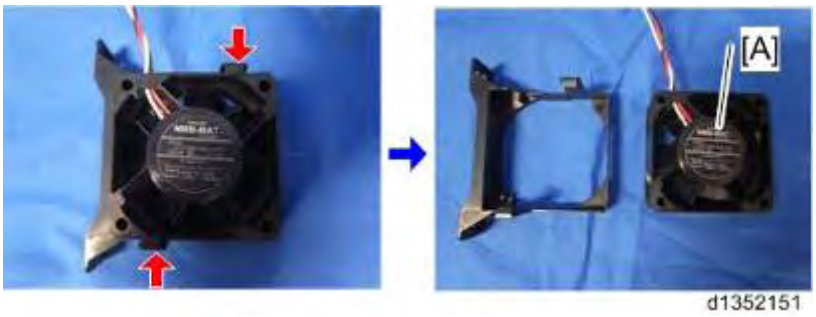


4.28.16 IH COIL POWER COOLING FAN

1. Rear middle cover (☛ page 4-19)
2. Rear lower cover (☛ page 4-20)
3. IH coil power cooling fan [A] along with the bracket (x 2, x 1, x 1)



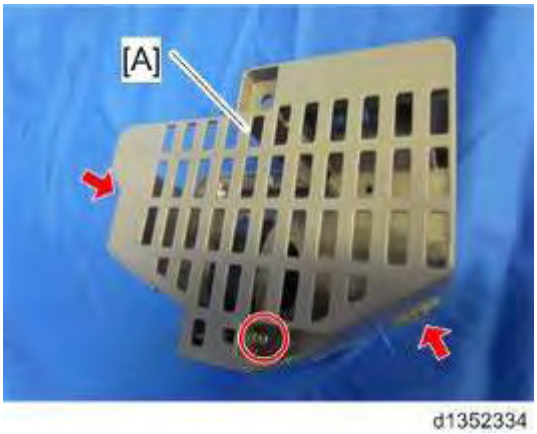
4. IH coil power cooling fan [A] (hook x 2)



4.28.17 ITB CLEANING INTAKE FAN

1. Drawer unit cover (☛ page 4-69)
2. ITB cleaning intake fan [A] along with the duct (x 1)

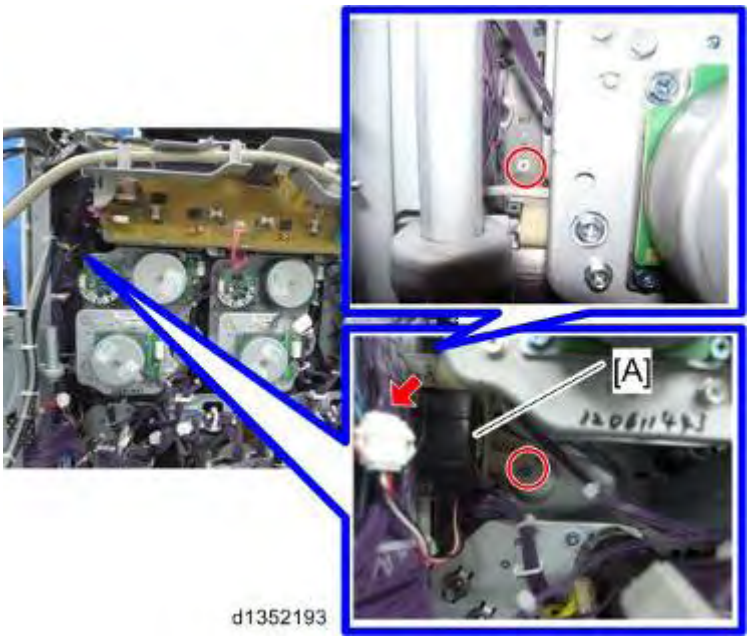
3. Cover [A] (x 1, hook x 2)



4. ITB cleaning intake fan [A] (x 1, x 1, x 1)

4.28.18 ID SENSOR CLEANING FAN

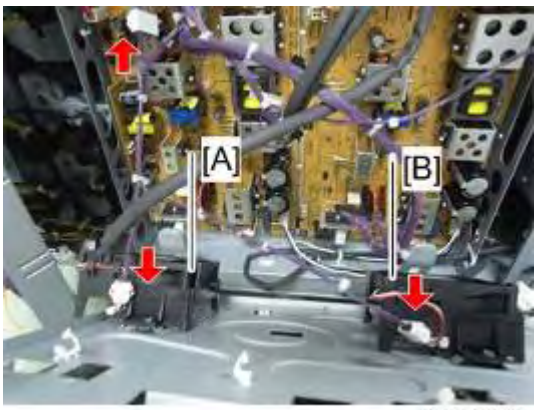
1. Rear middle cover (☛ page 4-19)
2. ID sensor cleaning fan [A] along with the bracket (x 2, x 1)



3. ID sensor cleaning fan [A] (x 2)

4.28.19 PSU FANS (RIGHT / LEFT)

1. PSU 1 (☛ page 4-362)
2. Disconnect the connectors (x 3) of the PSU fan (right) [A] and PSU fan (left) [B] at the back of the PSU 1.



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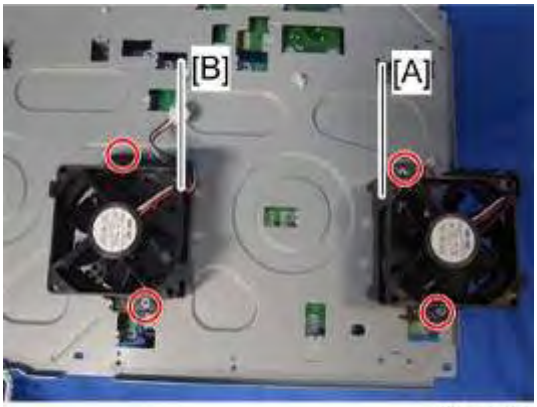
3. PSU fan (right) [A] and PSU fan (left) [B] (🔩 x 2 each)

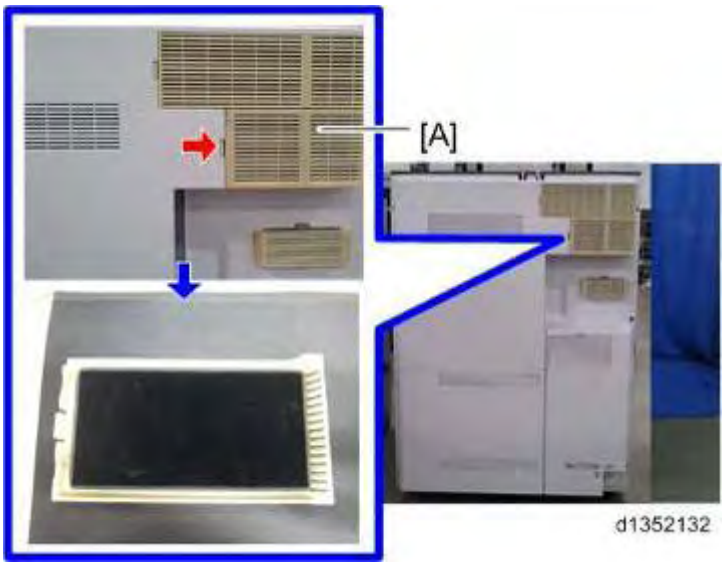


d1352167

4.28.20 DEODORIZING FILTERS (LARGE / SMALL)

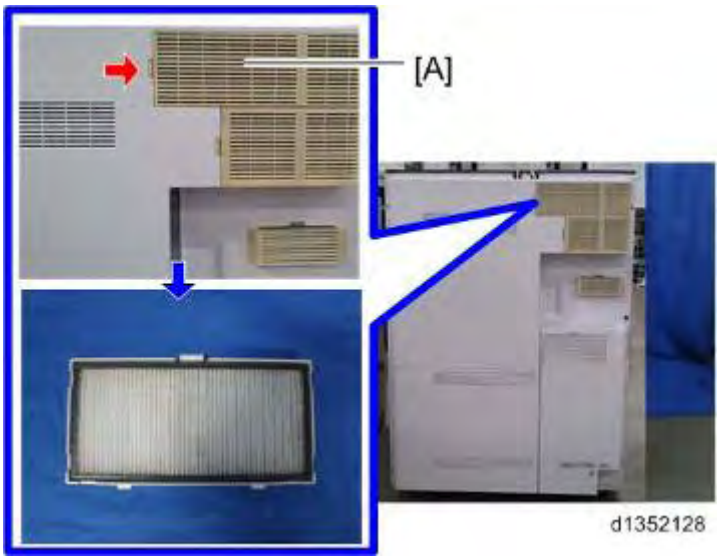
1. Deodorizing filter (large) [A]

2. Deodorizing filter (small) [A]

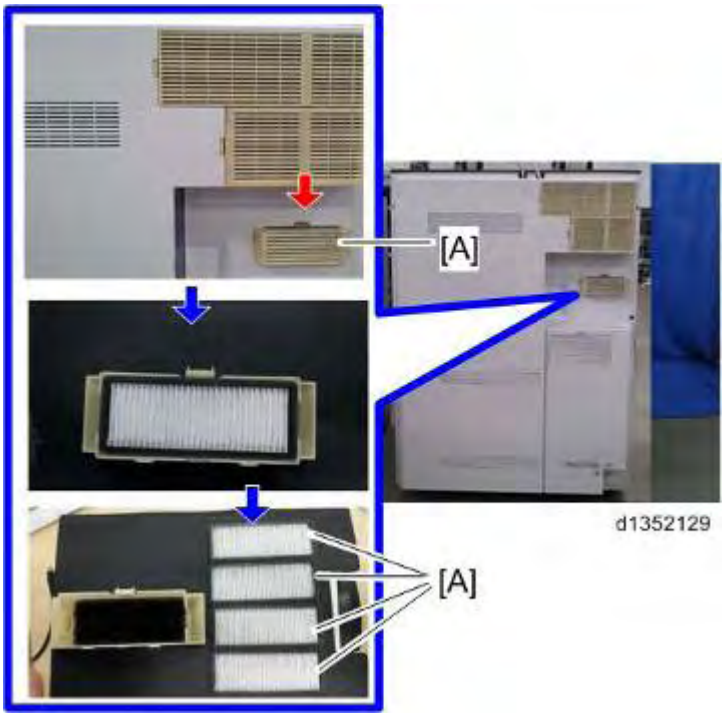


4.28.21 DUST FILTERS (LARGE / SMALL)

1. Dust filter (large) [A]

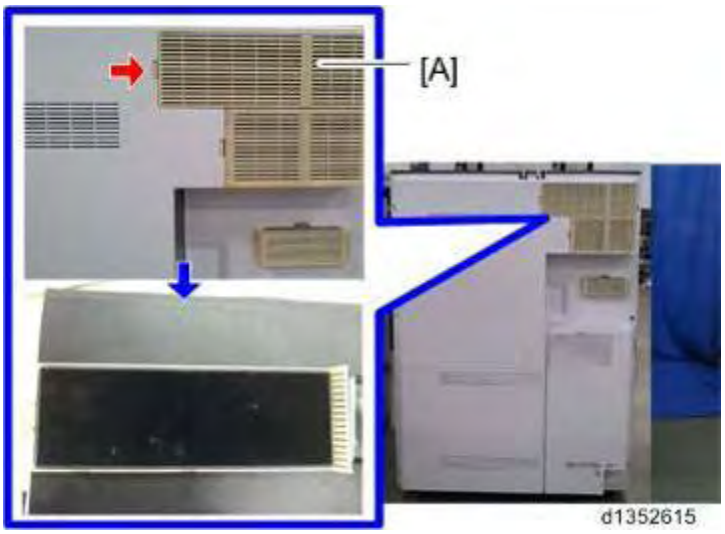


2. Dust filter (small) [A]

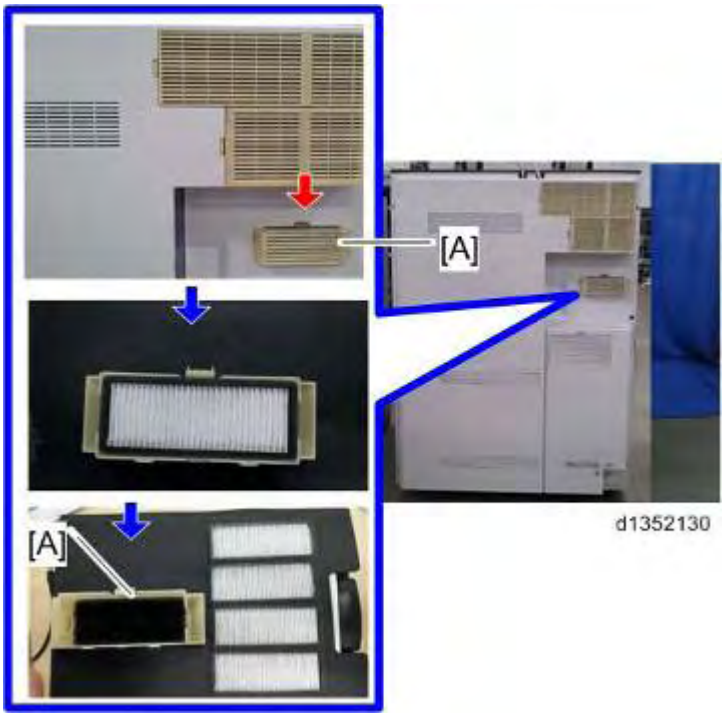


4.28.22 OZONE FILTERS (LARGE / SMALL)

1. Ozone filter (large) [A]



2. Ozone filter (small) [A]



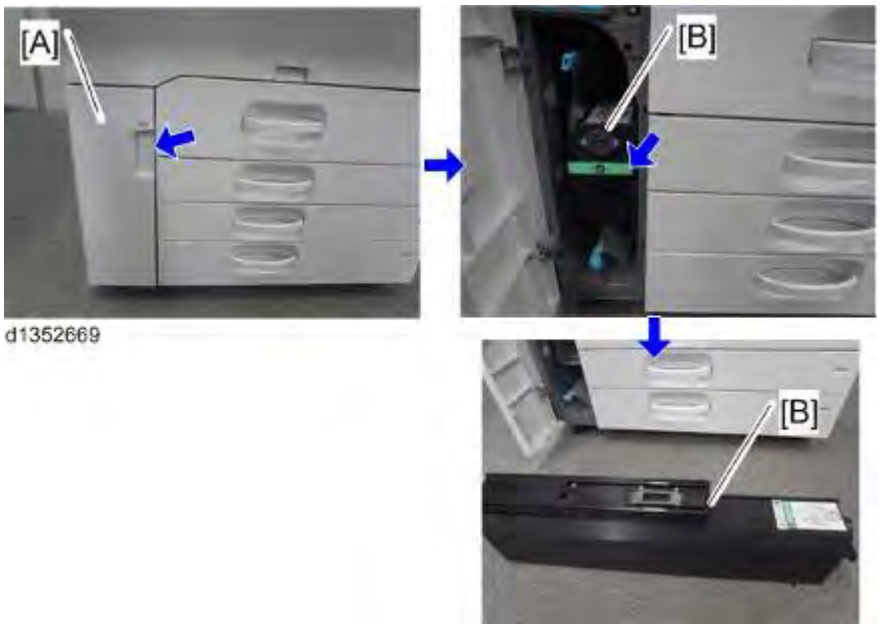
4.29 WASTE TONER COLLECTION

⇒ **Important**

- Make sure to replace the waste toner bottle with the machine power turned OFF. If the near full/full banner message remains displayed on the operation panel even after replacing the bottle, pull out and insert the bottle with the machine power turned ON.

4.29.1 WASTE TONER BOTTLE

1. Open the waste toner bottle door [A] and take out the waste toner bottle [B], holding the bottle at the decal location.



⚠CAUTION

- To prevent the waste toner from spilling from the rear side [A], do not incline the bottle to the rear direction when replacing the waste toner bottle.

⇒Important notes on Waste Toner Bottle Counter Reset

➢ The system can only detect if a waste toner bottle has been set or not, and cannot identify if the waste toner bottle set is new or not. This is because the waste toner bottle is not equipped with a waste toner volume detection sensor.

- When the waste toner bottle is replaced at “full” status:

  PM counter and Estimate usage rate/Remaining days are reset automatically. The PM counter reset button does not have to be pressed to reset the counter.

- When the waste toner bottle is replaced at “near-full” status:

  PM counter is NOT reset to “0” immediately. Estimate usage rate and Remaining days are NOT also reset. This is to prevent the following:

  - Overflow could occur, if the bottle is simply removed and reset.

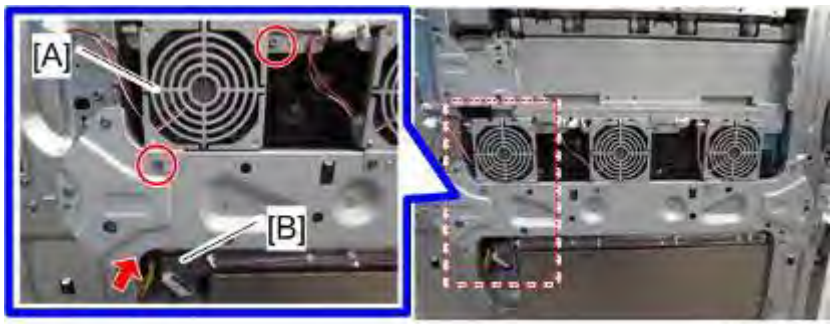
  For the system to detect full status at the correct timing after reaching near-full, SP3-800-004 is counted up by calculating the waste toner volume based on pixel count.

- If you are unsure whether the machine has acknowledged a new bottle or not, do the following:

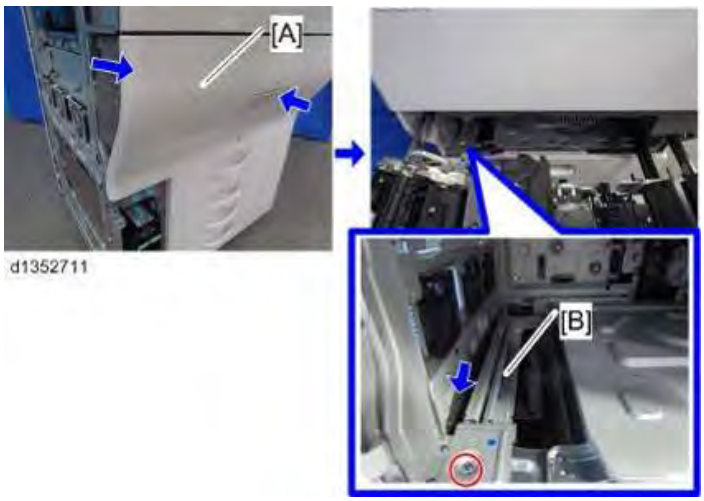
  1. Make 5 or more copies.
  2. Confirm the value in SP3-800-004 is not “0”.
  3. If this SP value is “0”, pull out and insert the bottle with the machine power turned ON and check the SP value again.

4.29.2 WASTE TONER BOTTLE UNIT

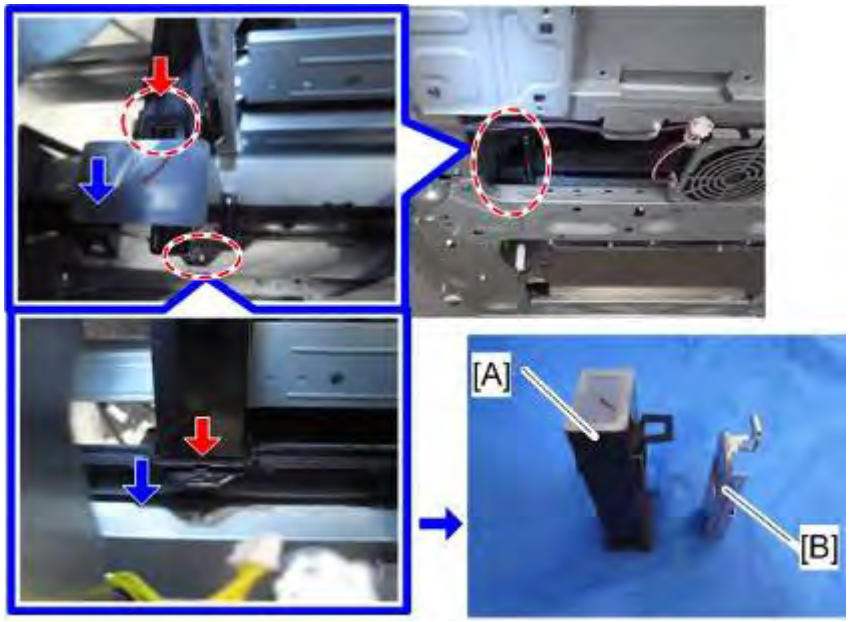
1. Left cover (☛ page 4-15)
2. Rear cover (☛ page 4-19)
3. Remove the fixing screws (x 2) of the duplex exhaust fan (rear) [A] and disconnect the connector of the duplex inverter motor [B].



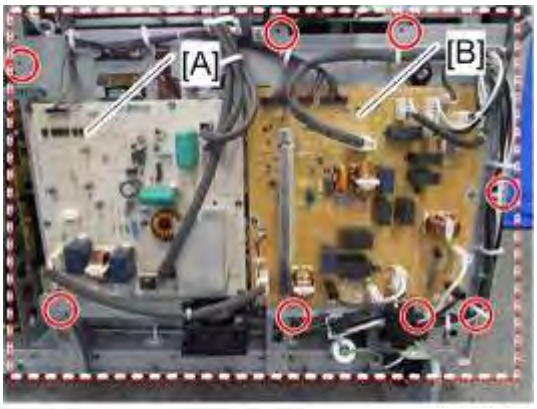
4. Open the drawer unit [A] and remove the duplex inverter motor unit [B].



5. Pull out the relay duct [A] with swinging plate [B].



6. IH inverter [A] and AC drive board [B] along with the bracket (x 8, all s, all s)



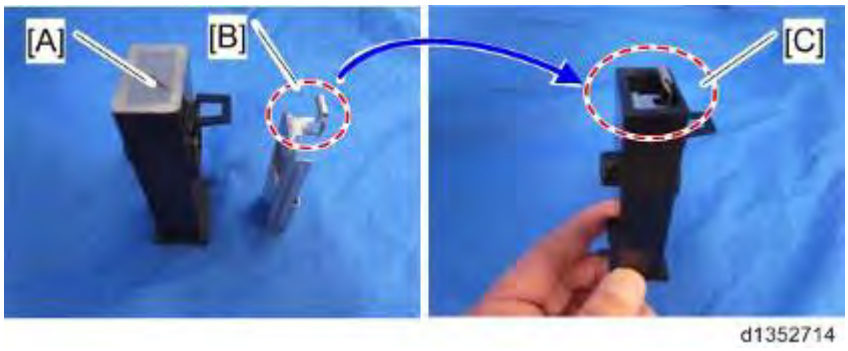
7. Bracket [A] (x 3)

8. Waste toner bottle unit [A]

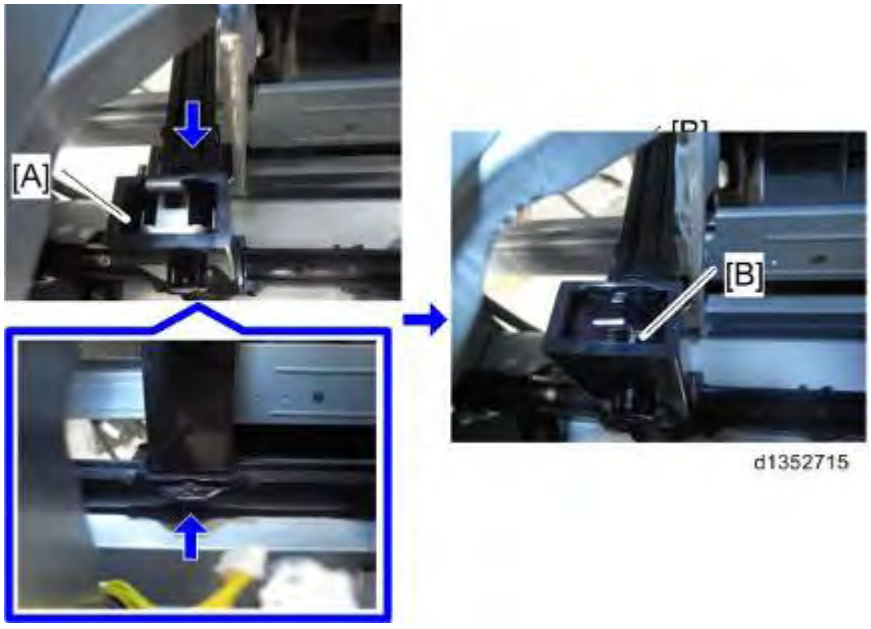
Installing the Relay Duct

Install the relay duct and swinging plate using the following procedure.

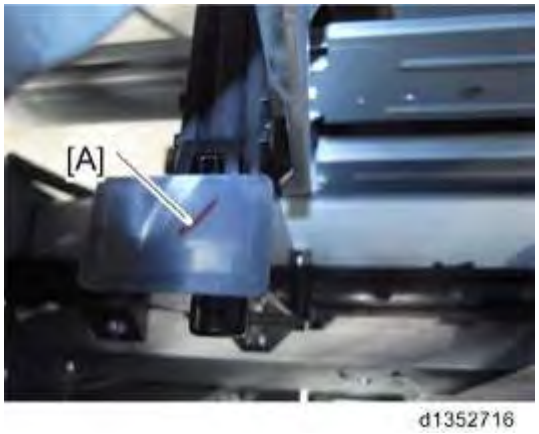
1. Remove the relay duct seal [A] and hook the cutout [B] onto the relay duct [C].



2. Attach the relay duct [A] to the waste toner bottle unit and drop the swinging plate [B] in the unit.

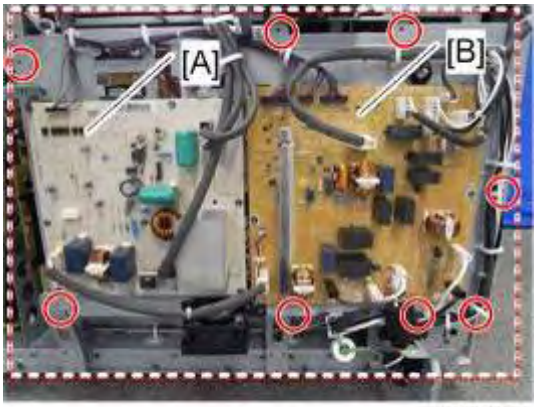


3. Clean the attachment surface with alcohol and attach a seal [A].



4.29.3 WASTE TONER BOTTLE MOTOR SENSOR

1. Rear middle cover and rear lower cover (☛ page 4-19 "Rear Cover")
2. IH inverter [A] and AC drive board [B] along with the bracket (x 8, all s, all s)



d1352477

3. Waste toner bottle motor sensor [A] (x 1)

d1352481

4.29.4 WASTE TONER FULL SENSOR

1. Waste toner bottle unit (☛ page 4-426)
2. Remove the cover [A] and remove the waste toner full sensor [B] (x 1).

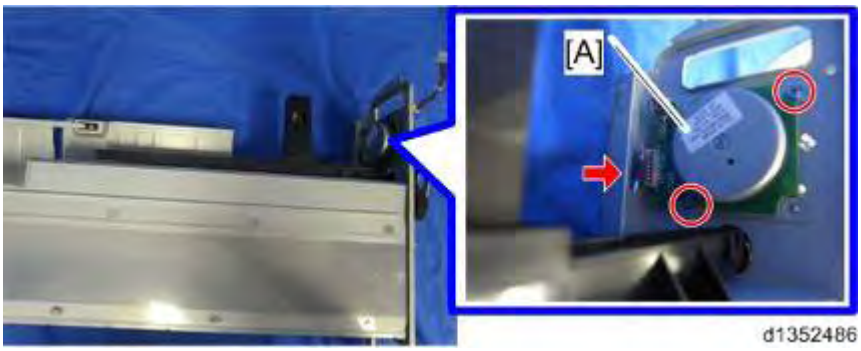
d1352484

4.29.5 WASTE TONER BOTTLE SET SENSOR

1. Waste toner bottle unit (☛ page 4-426)
2. Remove the cover [A] and remove the waste toner bottle set sensor [B].

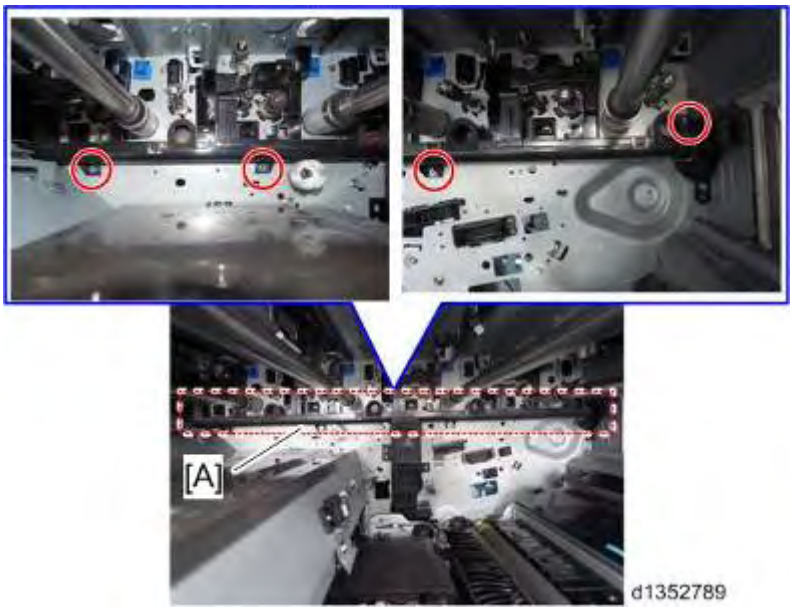
4.29.6 WASTE TONER TRANSPORT MOTOR

1. Waste toner bottle unit (☛ page 4-426)
2. Waste toner transport motor [A] (x 2, x 1)

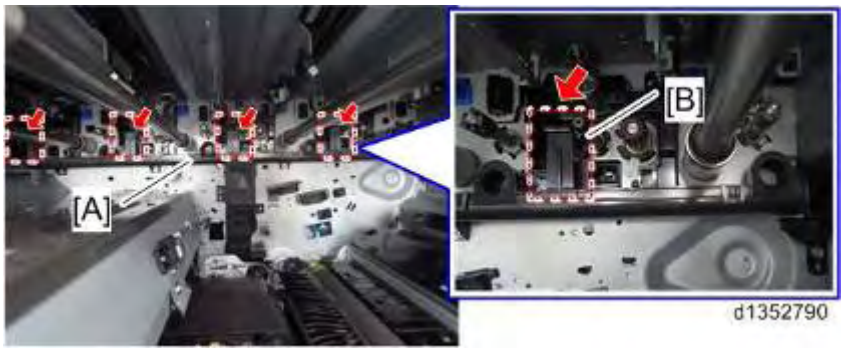


4.29.7 WASTE TONER UPPER TRANSPORT

1. PCDU (four colors) (☛ page 4-146)
2. ITB unit (☛ page 4-173)
3. Close the drawer unit.
4. Remove the fixing screws of the waste toner upper transport [A] (x 4)

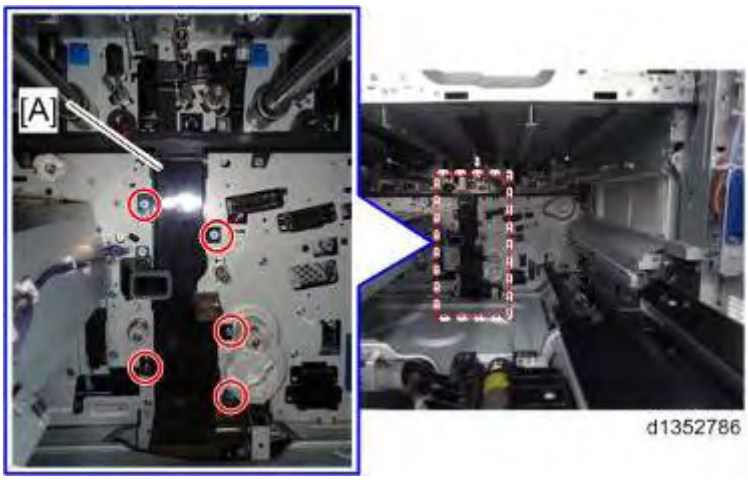


5. Remove the hooks of K [B], M, C and Y in that order, then remove the waste toner upper transport [A].

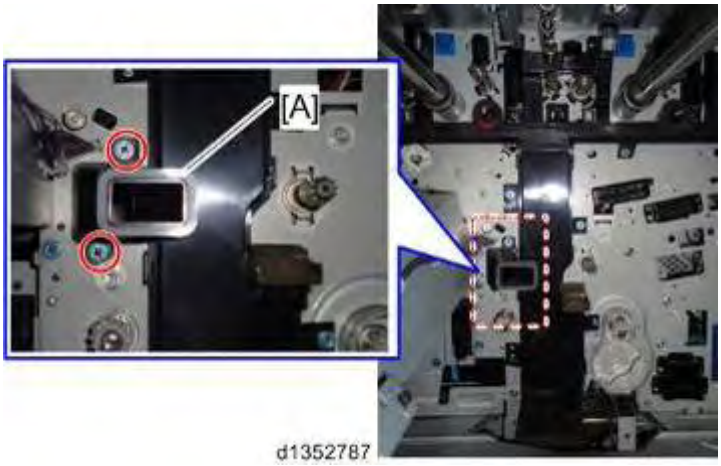


4.29.8 WASTE TONER VERTICAL TRANSPORT

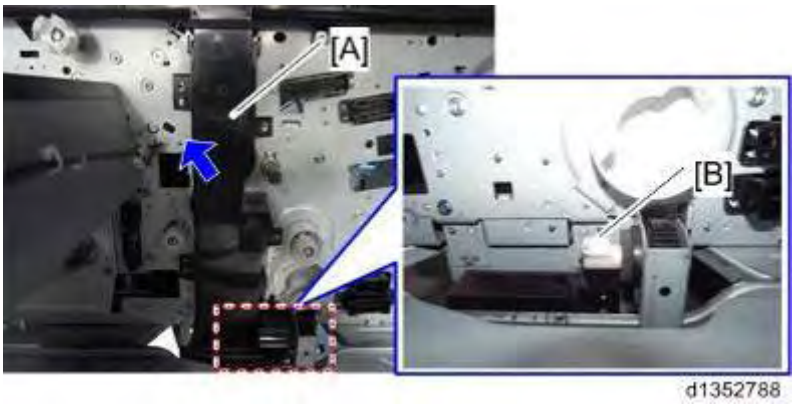
1. PCDU (four colors) (☛ page 4-146)
2. ITB unit (☛ page 4-173)
3. Remove the fixing screws of the waste toner vertical transport [A] (x 5)



4. Duct [A]



5. Because of the cam [B] at the bottom, remove the waste toner vertical transport [A] in the upper-left direction.

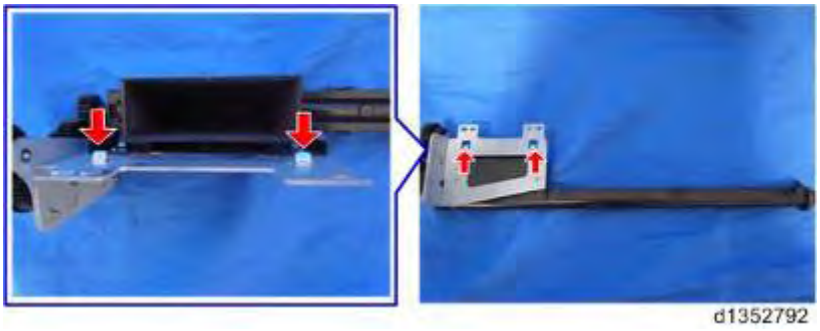


4.29.9 WASTE TONER LOWER TRANSPORT

1. PSU1/PSU2 along with the bracket (☛page 4-363 "When removing the motors and sensors that are behind the PSU1/PSU2")
2. Relay duct with swinging plate (☛ page 4-426 "Waste Toner Bottle Unit")
3. Waste toner lower transport [A] (x 2)

Note

- Check the position of the hooks in the photo below before removing.



- When installing, first install the waste toner lower transport, then install the relay duct with swinging plate. (☛ page 4-428 "Installing the Relay Duct")

4.30 ADJUSTMENT AFTER REPLACEMENT

The following items need to be adjusted after replacement of parts.

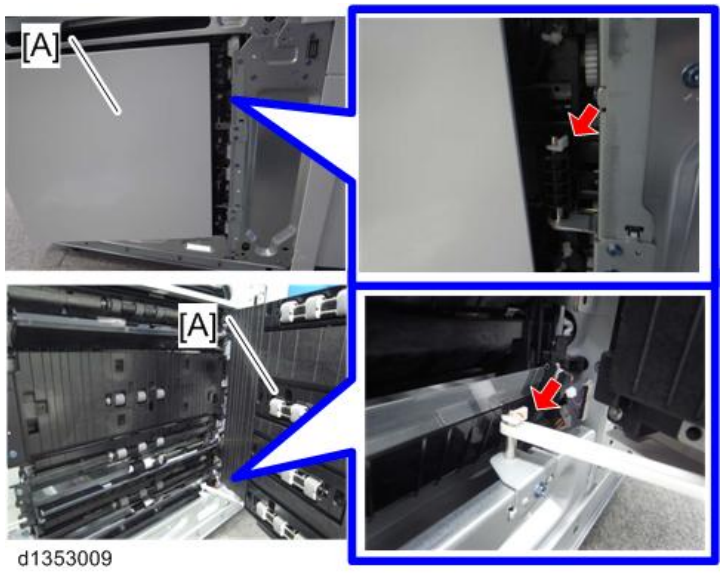
Part	Implementation items	References
ADF	▪ CIS RGB Adjustment (SP4-712/713/714) ▪ ADF Adjustment Side-to-Side Registration (SP6-006-001/002) ▪ ADF Adjustment L-Edge Regist (1-Pass) (SP6-006-010/011) ▪ DF Magnification Adj.(SP6-017)	☛page 4-38 "Adjustment after Replacing the ADF"
Lens Block	▪ Main Scan Registration Adjustment (SP4-011-001) ▪ Sub Scan Registration Adjustment (SP4-010-001) ▪ Sub Scan Magnification Adjustment (SP4-008-001)	☛page 4-135 "Magnification and Registration Adjustment"
Scanner Drive Motor	▪ Sub Scan Magnification Adjustment (SP4-008-001)	☛page 4-135 "Magnification and Registration Adjustment"
Scanner Wire	▪ Make a test copy. Make sure there is no deviation in registration and magnification. If there is a deviation, adjust the SPs for registration and magnification.	☛page 4-135 "Magnification and Registration Adjustment"
Laser Unit	▪ Image Parameters (SP2-108-001/002) ▪ Color Registration (User Tools)	☛page 4-141 "Adjustment after Laser Unit Replacement"

Part	Implementation items	References
PCDU Drum Unit Development Unit Development Filter Drum Cleaning Unit Lubricant Blade Drum Cleaning Blade Lubrication Roller Charge Roller Unit	▪ DEMS: Execute (SP3-040-001/002/003/004/005)	
Image Transfer Belt Unit Transfer Belt	▪ Force Apply Lubricant Execute (SP2-696-001)	☛page 4-178 "Lubrication after replacement"
ITB Cleaning Unit ITB Cleaning Blade ITB Lubricant Bar ITB Lubricant Blade	▪ Force Apply Lubricant Execute (SP2-696-001)	☛page 4-203 "Lubrication after Replacement"

⇒ 4.31 PAPER FEED UNIT FOR TRAY 1 REPLACEMENT

Paper Feed Unit for Tray 1

1. Right lower cover of the machine exterior (☛ Right Lower Cover)
2. Pull out paper trays 1 and 2.
3. Vertical transport unit [A] (x 2)



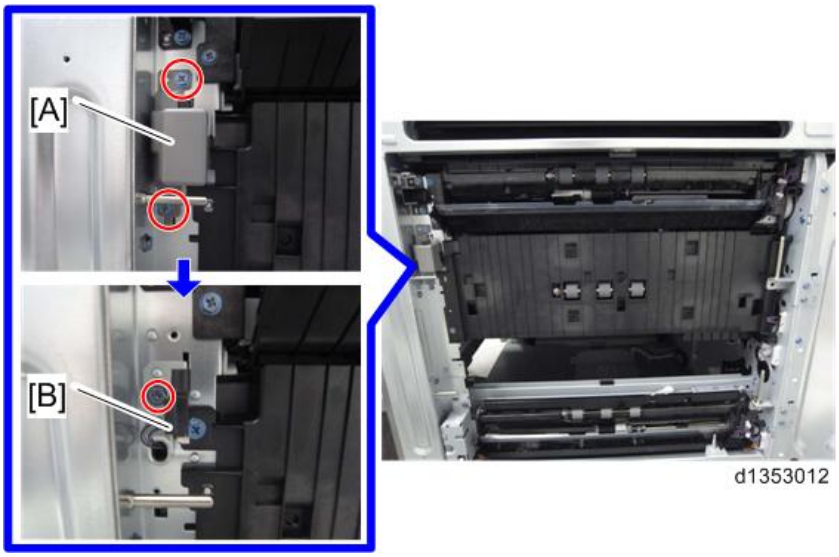
d1353009

4. Paper guide plate for tray 2 [A] (x 1)

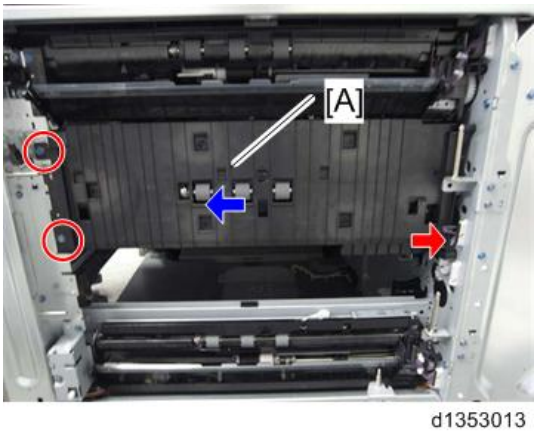
d1353010

5. Paper feed unit for tray 2 [A] (x 2, x 1)

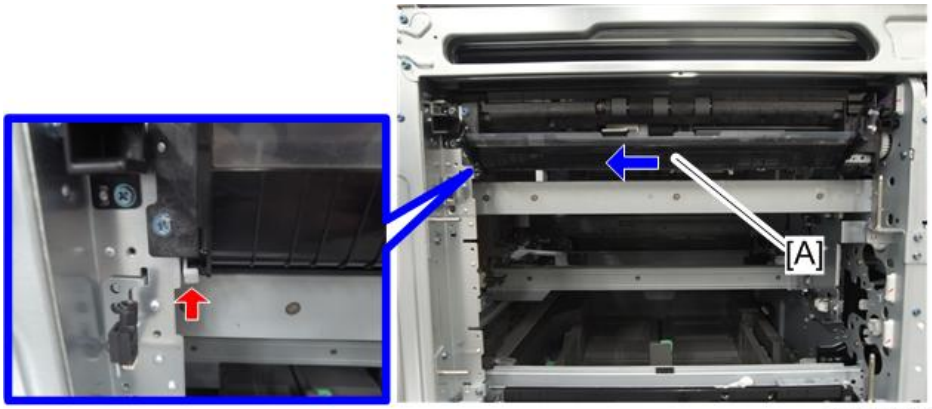
6. LED cover [A] (x 2)
7. Vertical transport LED [B] along with the bracket (x 1)



8. Relay cover [A] (x 2, x1)



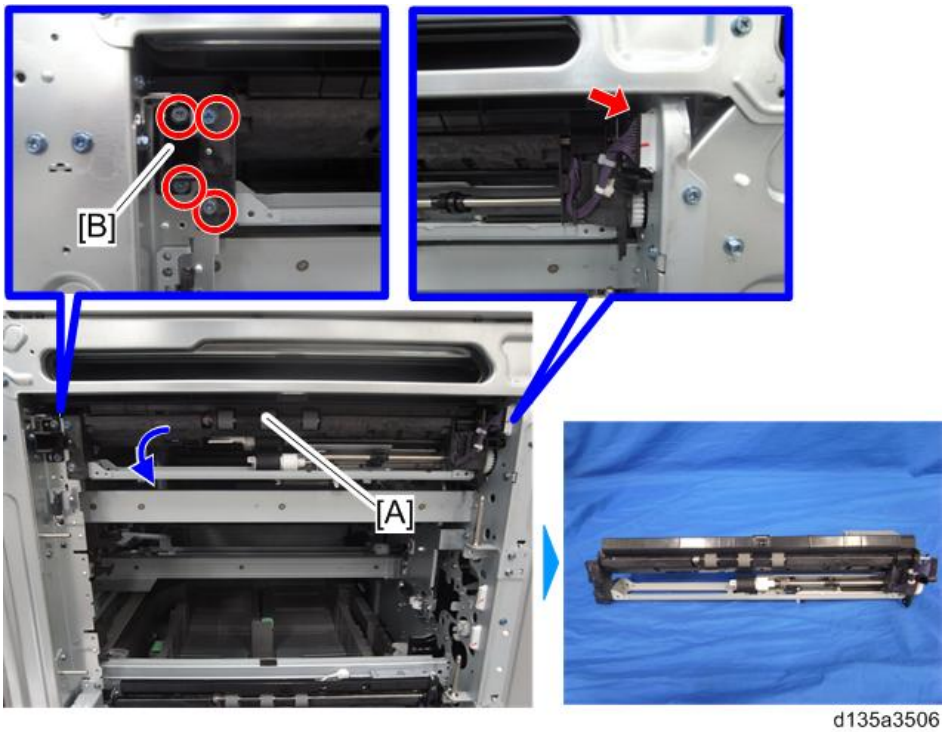
9. Paper guide plate for tray 1 [A] (x 1)



d135a3505

10. Pull out the left side of the paper feed unit for tray 1 [A], and then remove it. (x 2, x1)

(Remove the bracket [B] in order to remove the paper feed unit for tray 1 easily (x 2))



d135a3506

TROUBLESHOOTING

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
All Pages	05/04/2014	Section 5 has been re-released with additional information added.
15 ~ 26	05/14/2014	SC202-SC286
235	05/29/2014	Added SC819
306 ~ 307	05/15/2014	Jam Detection

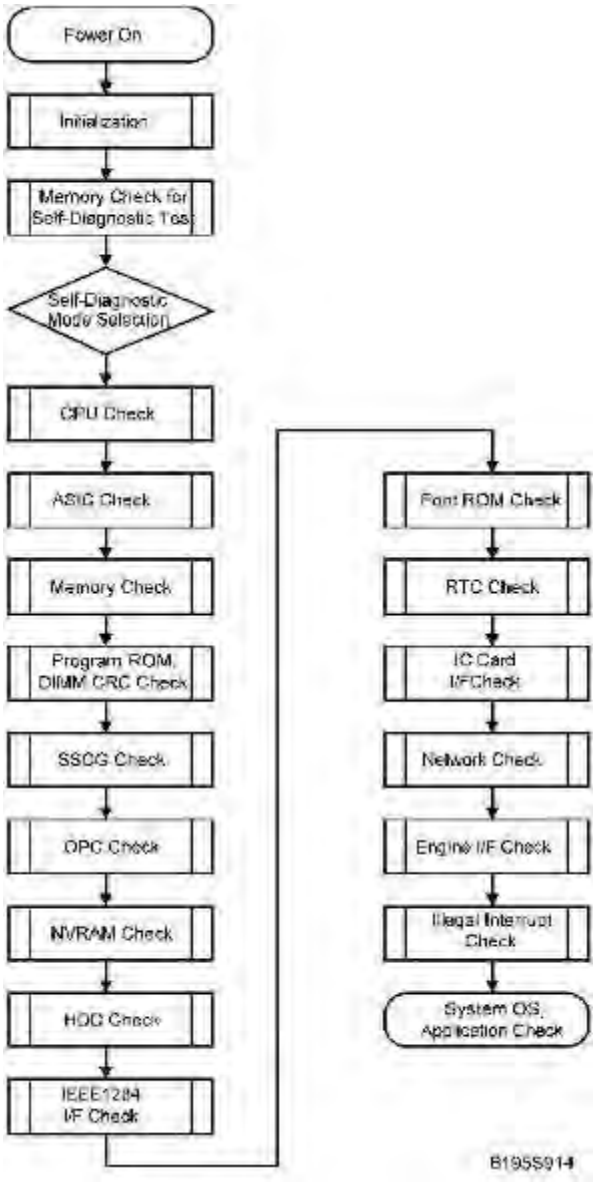
5. TROUBLESHOOTING

5.1 SELF-DIAGNOSTIC MODE

5.1.1 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



5.1.2 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. T

5.2 EXECUTING DETAILED SELF-DIAGNOSIS

Follow this procedure to execute detailed self-diagnosis.

- Switch off the machine.
- 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.

5.3 SERVICE CALL 101-195

5.3.1 SC100 (ENGINE: SCANNING)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-01	D	Lamp Error (Scanning)
		The white level peak did not reach the prescribed threshold when the white plate was scanned.
		▪ LED defective ▪ IDB (LED driver) defective ▪ SBU defective ▪ IPU defective ▪ Power/signal harness defective ▪ Condensation in scanner unit ▪ Mirrors or lenses dirty or positioned incorrectly ▪ White plate dirty or installed incorrectly
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Reattach/clean the mirrors/lenses. ▪ Reattach/clean the white plate. ▪ Replace the LED board. ▪ Replace the IDB board. ▪ Replace the SIO board. ▪ Replace the SBU board. ▪ Replace the IPU board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC101-02	D	Lamp Error (LED illumination adjustment)
		LED error was detected.
		▪ LED defective ▪ IDB (LED driver) defective ▪ Power/signal harness defective
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Replace the LED board. ▪ Replace the IDB board. ▪ Replace the SIO board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC102-00	D	LED Illumination Adjustment Error
		The white level peak reached the prescribed threshold when the white plate was scanned after a specified number of adjustments.
		▪ LED defective ▪ IDB (LED driver) defective ▪ SBU defective ▪ IPU defective ▪ Power/signal harness defective
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Replace the IDB board. ▪ Replace the SIO board. ▪ Replace the SBU board. ▪ Replace the IPU board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC120-00	D	Scanner Home Position Error 1
		The scanner home position sensor does not go OFF. Details: Error detection timing ▪ During homing (when the machine is turned ON or when it returns from energy save mode) ▪ During an automatic adjustment (when the machine is turned ON or when it returns from energy save mode) ▪ During a scan from the ADF or exposure glass. After an error occurs ▪ Stop process, Operation panel display, LED indication, Logging ▪ Scanner is not usable (Copier/Scanner/Document Server applications) ▪ Printer is usable.
		▪ Scanner motor driver defective ▪ Scanner motor defective ▪ Scanner HP sensor defective ▪ Harness defective ▪ Timing belt, pulley, wire, or carriage not installed correctly
		Replace the part.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC121-00	D	Scanner Home Position Error 2
		The scanner home position sensor does not go ON. Details: Error detection timing ▪ During homing ▪ During an automatic adjustment ▪ During a scan from the ADF or exposure glass. After an error occurs ▪ Stop process, Operation panel display, LED indication, Logging ▪ Scanner is not usable (Copier/Scanner/Document Server applications). ▪ Printer is usable.
		▪ Scanner motor driver defective ▪ Scanner motor defective ▪ Scanner HP sensor defective ▪ Harness defective ▪ Timing belt, pulley, wire, or carriage not installed correctly
		Replace the part.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC141-00	D	Black level detection error
		The black level cannot be adjusted within the target during auto gain control.
		▪ SBU defective ▪ IPU defective ▪ Power/signal harness defective
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Replace the SBU board. ▪ Replace the IPU board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC142-00	D	White level detection error
		▪ The white level cannot be adjusted to the second target level within the target during auto gain control.
		▪ SBU defective ▪ LED defective ▪ IDB (LED driver) defective ▪ IPU defective ▪ Power/signal harness defective ▪ Scanner drive error ▪ Condensation in scanner unit ▪ Mirrors or lenses dirty or positioned incorrectly ▪ White plate dirty or installed incorrectly
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Reattach/clean the mirrors/lenses. ▪ Reattach/clean the white plate. ▪ Replace the SBU board. ▪ Replace the LED board. ▪ Replace the IDB board. ▪ Replace the IPU board. ▪ Replace the SIO board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC144-00	D	SBU Communication Error
		▪ Connection to SBU cannot be confirmed. (Connection detection error) ▪ Cannot communicate with the SBU, or the communication result is abnormal.
		▪ SBU defective ▪ The other side of the communication (BCU, IPU etc.) defective ▪ Power/signal harness defective
		▪ Cycle the machine off/on. ▪ Reconnect the power/signal harness. ▪ Replace the SBU board. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC161-01	D	IPU Error (LSYNC abnormal)
		An error occurred during the self-diagnostic test performed every time the machine is turned on, or returns to full operation from energy save mode.
		▪ IPU (BiCU, iCTL) board defective (ASIC-LEO connection failure, LSYNC abnormal, etc.) ▪ Cable between SBU and IPU (or BiCU) defective
		▪ Replace the IPU (or BiCU) board. ▪ Check the cable between SBU and IPU (or BiCU)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC161-02	D	IPU error (Ri response abnormal)
		The machine detects an error during an access to the Ri.
		IPU (BiCU, iCTL) board defective (Ri response abnormal, etc.)
		Replace the IPU (or BiCU) board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC165-00	D	Copy data security unit error
		▪ The copy data security option is enabled in the User Tools but the option board is detected as missing or defective. ▪ The copy data security option was detected as defective when the machine was turned on or returned from energy save mode.
		▪ Copy data security unit board not installed correctly ▪ Copy data security unit board defective
		▪ Reinstall the copy data security unit board. ▪ Replace the copy data security unit board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC185-00	D	CIS transmission error
		The data read from the ASIC register on the CIS were not as expected. Details: ▪ Occurs when a serial communication error between the CIS board and the DF board is detected. Occurs also when an error is detected during initialization of the ASIC on the CIS. ▪ This can happen during initialization and feeding. The first and second consecutive occurrences of each constitute jams. The third occurrence constitutes an SC.
		▪ Connector or harness between DF board and CIS board is disconnected or defective ▪ ASIC on the CIS is defective ▪ Boot failure of ASIC on the CIS
		▪ Reconnect the power/signal harness. ▪ Replace the CIS and CIPB. ▪ Replace the ADF main control board. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC186-00	D	CIS LED error
		During initialization: ▪ The ratio between the average values of leading-edge area and rear-edge area is out of specification. ▪ Shading data peak value is below specification. During scanning: ▪ Shading data peak value is below specification. Details: During initialization: ▪ Occurs when one out of two CIS LEDs is malfunctioning, causing the difference between the average values of leading-edge area and rear-edge area to be large (CIS LED error detection). ▪ Occurs when both of the CIS LEDs are malfunctioning (unlit), causing the shading data peak value to be extremely low (CIS white level adjustment). During scanning: ▪ Occurs when both of the CIS LEDs are malfunctioning (unlit), causing the shading data peak value to be extremely low (CIS scan control, gray balance adjustment/confirmation). ▪ The first and second consecutive occurrences of each constitute initial/feed jams. The third occurrence constitutes an SC.
		During initialization: ▪ One or two out of two CIS LEDs are defective During scanning: ▪ Both of the CIS LEDs are defective.
		▪ Reconnect the power/signal harness. ▪ Replace the CIS and CIPB. ▪ Replace the CIS background white roller. ▪ Replace the power/signal harness. ▪ Replace the ADF main control board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC187-00	D	CIS black level error
		The black level scanned by CIS is abnormal. Details: ▪ Occurs when abnormality is detected in the process of black level generation – detection. ▪ The first and second consecutive occurrences constitute initial jams. The third occurrence constitutes an SC.
		CIS defective
		Replace the CIS and CIPB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC188-00	D	CIS white level error
		▪ The shading data peak value read out from the CIS is abnormal. ▪ The shading data peak value is not within the specified range from the target value. (The target value is set with SP4-784-001/SP4-785-001/SP4-786-001.) Details: ▪ Occurs when abnormality is detected in the process of CIS shading data peak detection. ▪ The first and second consecutive occurrences constitute initial jams. The third occurrence constitutes an SC.
		CIS defective
		▪ Reconnect the power/signal harness. ▪ Replace the CIS and CIPB. ▪ Replace the CIS background white roller. ▪ Replace the power/signal harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC189-00	D	CIS gray balance adjustment error
		The difference between gray balance adjustment target value and the value scanned from the GS20 chart was out of specification upon execution of gray balance adjustment confirmation (SP4-705-002). Details: ▪ Occurs when gray balance adjustment fails. ▪ The first occurrence constitutes an SC (not an initial jam).
		CIS defective
		Replace the adjustment chart. (Degradation due to scratches and smudges)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC195-00	D	Machine serial number error
		Comparison of the product identification code in the machine serial number (11 digits).
		The product identification code in the machine serial number (11 digits) does not match.
		Re-enter the machine serial number.

5.4 SERVICE CALL 202-286

5.4.1 SC200 (ENGINE: IMAGE WRITING)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC202-01	D	Polygon Motor: ON Timeout Error: Bk
⇒ SC202-03	D	Polygon Motor: ON Timeout Error: Ma
		After the polygon motor turned on, or within 10 sec. after the rpm's changed, the motor did not enter READY status.
		▪ The interface harness to the polygon motor driver damaged or not connected correctly. ▪ Polygon motor or polygon motor driver defective ▪ Polygon motor drive pulse cannot be output correctly. (Polygon controller) ▪ XSCRDY signal observation failing (Polygon controller)
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the polygon harness. ▪ Replace the IPU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC203-01	D	Polygon Motor: OFF Timeout Error: Bk
SC203-03	D	Polygon Motor: OFF Timeout Error: Ma
		The XSCRDY signal (polygon ready) never becomes inactive (H) after the polygon motor went OFF.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ The interface harness to the polygon motor driver damaged or not connected correctly. ▪ Polygon motor or polygon motor driver defective ▪ Polygon motor drive pulse cannot be output correctly. (Polygon controller) ▪ XSCRDY signal observation failing (Polygon controller)
		▪ Cycle the machine off/on. ▪ Replace the LSU. ▪ Replace the polygon harness. ▪ Replace the IPU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC204-01	D	Polygon Motor: XSCRDY Signal Error: Bk
⇒ SC204-03	D	Polygon Motor: XSCRDY Signal Error: Ma
		During polygon motor rotation, the XSCRDY signal was inactive (H) for longer than one rotation of the polygon. Details: ▪ Occurs when the PATMOS polygon error determination register detects that the XSCRDY signal was inactive (H) for longer than one rotation of the polygon (7 cycles of PMCLK). ▪ The PATMOS polygon error determination register detects that the XSCRDY signal was inactive (H) for longer than one rotation of the polygon, and then refers to SCERR2.
		▪ Polygon motor or polygon motor driver defective ▪ The interface harness to the polygon motor driver damaged or not connected correctly.
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the polygon harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC210-01	C	Trailing Edge Beam Error: Bk
SC210-02	C	Trailing Edge Beam Error: Cy
SC210-03	C	Trailing Edge Beam Error: Ma
⇒ SC210-04	C	Trailing Edge Beam Error: Ye
		When the main scan magnification rate was measured, the value measured between 2 points was out of specification. Details: ▪ When a trailing edge beam detection error flag is asserted to VTEC status register. ▪ The CPU detected an error flag when measuring the main scan magnification rate.
		▪ The interface harness to the beam detection unit damaged or not connected correctly. ▪ Beam detection board defective ▪ Beam does not enter photodetector.. ▪ Abnormality around VTEC ▪ LDB defective ▪ BCU defective ▪ Large main scan magnification rate
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Correct the main scan magnification SP* * SP2-184-006 through 009 = 269600 SP2-102-001,007 = 123 SP2-102-016 through 025 = 0 Adjust SP2-184-006 through 009 while checking the images until the values of SP2-102-001,007 become 123 ± 30.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC220-01	D	Leading Edge: LD1 synchronization detection error: Bk
SC220-02	D	Leading Edge: LD1 synchronization detection error: Cy
SC220-03	D	Leading Edge: LD1 synchronization detection error: Ma
⇒ SC220-04	D	Leading Edge: LD1 synchronization detection error: Ye
		The leading edge LD1 synchronization detection signal of the corresponding color was not output within 100 ms while the polygon mirror motor was operating at normal speed. Details: ▪ When a synchronization detection error flag is asserted to VTEC status register. ▪ After the polygon turned on, the CPU monitored for error flags in 100 ms cycles and detected an error flag.
		▪ The interface harness to the synchronization detection unit damaged or not connected correctly. ▪ Synchronization detection board defective ▪ Beam does not enter photodetector.. ▪ Abnormality around VTEC ▪ LDB defective ▪ BCU defective ▪ Large main scan magnification rate
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Correct the main scan magnification SP* * SP2-184-006 through 009 = 269600 SP2-102-001,007 = 123 SP2-102-016 through 025 = 0 ▪ Adjust SP2-184-006 through 009 while checking the images until the values of SP2-102-001,007 become 123 ± 30.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC230-01	D	FGATE ON error: Bk
SC230-02	D	FGATE ON error: Cy
SC230-03	D	FGATE ON error: Ma
SC230-04	D	FGATE ON error: Ye
		The FGATE signal did not turn ON within 200 msec after the writing process of the corresponding color started. Details: The PFGATE register of PATMOS not asserted within 200 msec after the writing process started.
		▪ PATMOS defective ▪ Image processing ASIC defective ▪ BCU, controller board not connected correctly or defective ▪ Harness between IPU and LDB defective
		▪ Cycle the machine off/on. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Replace the controller board. ▪ Replace the LDB harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC231-01	D	FGATE OFF error: Bk
SC231-02	D	FGATE OFF error: Cy
SC231-03	D	FGATE OFF error: Ma
SC231-04	D	FGATE OFF error: Ye

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		The FGATE signal did not turn OFF within 200 msec after the writing process of the corresponding color ended. The FGATE signal did not turn OFF when the next job of the corresponding color started. Details: ▪ The PFGATE register of PATMOS not negated within 200 msec after the writing process ended. ▪ The PFGATE register of PATMOS still asserted from the previous job when the next writing process started.
		▪ PATMOS defective ▪ Image processing ASIC defective
		▪ Cycle the machine off/on. ▪ Replace the IPU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC240-01	D	LD error: Bk
SC240-03	D	LD error: Ma
		When two errors were detected consecutively while monitoring the VTEC for LD error registers in 350msec intervals after LD initialization. Details: The VTEC LD error flag was detected twice consecutively when the LD turned on after initialization.
		▪ LD degradation (LD broken, shift of output characteristics etc.) ▪ LD driver defective ▪ VTEC defective ▪ The interface harness damaged or not connected correctly. ▪ Large main scan magnification rate

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
⇒		▪ Cycle the main power off/on. ▪ Replace the IPU board. ▪ Replace the laser unit. ▪ Replace the LD unit. ▪ Replace the harness. ▪ Correct the main scan magnification SP* * SP2-184-006 through 009 = 269600 SP2-102-001,007 = 123 SP2-102-016 through 025 = 0 Adjust SP2-184-006 through 009 while checking the images until the values of SP2-102-001,007 become 123 ± 30.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC260-01	C	Laser Thermistor Error: Bk
⇒ SC260-03	C	Laser Thermistor Error: Ma
		▪ The reading of the thermistor in the laser unit was less than 10 °C (50 °F), indicating that the thermistor has disconnected. ▪ The reading of the thermistor in the CK or YM laser unit was more than 80 °C (176 °F), indicating that the thermistor has shorted out. Details: When the thermistor voltage is out of range (-10 to 80 °C) after the machine was turned on.
		▪ Thermistor defective ▪ Harness defective ▪ BCU defective
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the harness of the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC265-02	C	Skew correction error: Cy
SC265-03	C	Skew correction error: Ma
⇒ SC265-04	C	Skew correction error: Ye
		The skew control pulse total is not within range.
		▪ Skew motor defective ▪ Harness defective ▪ Optical system defective
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the harness of the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC270-01	D	LD ASIC communication error: Bk
SC270-03	D	LD ASIC communication error: Ma
		On startup: Written to and read the same register but the values were different. VTEC: Monitored the parity and retried three times. Details: ▪ On startup: Data 0x5A5A and 0xA5A5 are written to a predetermined register. Then the register is read and the read data is compared to the are compared ▪ VTEC: Monitors parity during communication. If it does not match, retries up to three times. The second retry constitutes an SC.
		▪ VTEC defective ▪ HORUS defective ▪ BCU defective ▪ IPU defective ▪ Harness defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
⇒		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Replace the LDB harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
⇒ SC270-10	D	LD ASIC communication error: Others
		On startup: “Door open” status was cleared but did not change to “Door closed” status. Details: On startup: After clearing PATMOS “Door open” status, checks the status of the door after “Door open” determination period. Failure to detect “Door closed” status constitutes an SC.
		▪ PATMOS defective ▪ HORUS defective ▪ BCU defective ▪ IPU defective ▪ Harness defective ▪ Interlock defective
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Replace the LDB harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC274-01	D	Image transfer error: Bk
⇒ SC274-03	D	Image transfer error: Ma
		▪ On detection of lane abnormality ▪ On detection of elastic buffer overflow/underflow ▪ On detection of STP error ▪ On detection of END error Details: ▪ When DES status is detected as abnormal.
		▪ IPU defective ▪ Harness defective ▪ LDB defective ▪ GAVD defective
		▪ Cycle the machine off/on. ▪ Replace the laser unit. ▪ Replace the IPU board. ▪ Replace the BCU board. ▪ Replace the LDB harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC276-01	D	Microcomputer communication error: Bk
⇒ SC276-03	D	Microcomputer communication error: Ma
		APC microcomputer does not respond. Details: ▪ Detected an abnormality concerning GAVD interruption.
		▪ LDB defective
		▪ Cycle the machine off/on. ▪ Replace the laser unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC285-00	D	MUSIC error
		The results of MUSIC pattern reading failed 4 times while the machine is turned ON. Details: ▪ When MUSIC fails 4 times while the machine is turned ON. (The count is cleared when the machine is turned OFF e.g. when entering sleep mode.) ▪ TM sensor sampling error ▪ Sensor LED adjustment error ▪ Patch number error ▪ Transfer belt flaw error ▪ Main registration error ▪ Sub registration error ▪ Main scan magnification ratio error ▪ Main scan magnification ratio deviation error
		▪ Belt flawed or smudged ▪ Sensor smudged or defective ▪ Pattern density defection
		▪ Cycle the machine off/on. ▪ Replace the TM sensor. ▪ Replace the belt. ▪ Process control ▪ Cleaning

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
⇒ SC286-01	C	LD shutter open error
		Detected an erratic movement during closing or opening.
		▪ Shutter motor movement error ▪ Sensor defective ▪ Links broken
		▪ Cycle the machine off/on.(In case of a malfunction) ▪ Replace the laser unit. (In case of defective parts)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
⇒ SC286-02	D	LD shutter close error
		Detected an erratic movement during opening.
		▪ Shutter motor movement error ▪ Sensor defective ▪ Links broken
		▪ Cycle the machine off/on.(In case of a malfunction) ▪ Replace the laser unit. (In case of defective parts)

5.5 SERVICE CALL 300-398

5.5.1 SC300 (ENGINE: CHARGE, DEVELOPMENT)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC300-01	D	Charge Roller Power Pack Output Error (K)
SC300-02	D	Charge Roller Power Pack Output Error (C)
SC300-03	D	Charge Roller Power Pack Output Error (M)
SC300-04	D	Charge Roller Power Pack Output Error (Y)
		The interrupt that checks the status of the PCU power pack every 10 ms detected SC signals 15 times consecutively. Details: In case of an overcurrent, the Charge Roller Power Pack outputs SC signals. The machine monitors it, and issues an SC when an error occurs.
		▪ High voltage harness shorted. ▪ Leakage around the charge roller caused by a conductive object.
		▪ Remove the cause of leakage.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC312-01	D	Charge FB Voltage Error (K)
SC312-02	D	Charge FB Voltage Error (C)
SC312-03	D	Charge FB Voltage Error (M)
SC312-04	D	Charge FB Voltage Error (Y)
		On plotter startup, the charge FB (feed-back) voltage was 0.3V or less for 15 consecutive readings. Details: SC issued when electric current does not pass after charge bias is applied, which can be caused when a harness is disconnected or damaged, or when the charge roller or the drum is not installed.
		▪ High-voltage harness damaged or not connected correctly. ▪ Charge roller or drum not installed
		▪ Fix the problem.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC320-01	D	Development Power Pack Output Error (K)
SC320-02	D	Development Power Pack Output Error (C)
SC320-03	D	Development Power Pack Output Error (M)
SC320-04	D	Development Power Pack Output Error (Y)
		When SC signals are detected 25 times consecutively in 20ms intervals (500 msec). Details: When the development power pack is shorted, the development power pack detects it by means of an SC signal (HIGH level). The IOB monitors the SC signals as explained above.
		▪ Development power pack shorted

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Disconnect the high voltage cable from the output terminal of the development power pack of the corresponding color, and check the following points. ▪ PWM: Check the signal of the corresponding color. ▪ If the signal is fixed to HIGH during photocopying process, replace the harness or the IOB. ▪ Check the output of the development power pack of the corresponding color. If the output is fixed to HIGH during photocopying process, replace the power pack. If the output is normal during photocopying process, test the resistance between the highvoltage cable and the ground. If resistance is “0” or nearly “0”, replace the high-voltage harness or PCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC325-00	D	Development motor: Bk: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x56_0x08 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC326-00	D	Development motor: C: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x56_0x02 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC327-00	D	Development motor: M: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x56_0x04 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC328-00	D	Development motor: Y: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x56_0x01 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		1. Replace the motor. 2. Reconnect the connector. 3. Replace the harness. 4. Replace the IOB. 5. Replace the unit. 6. Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC332-01	D	Toner supply motor error (K)
SC332-02	D	Toner supply motor error (C)
SC332-03	D	Toner supply motor error (M)
SC332-04	D	Toner supply motor error (Y)
		Detected a lock signal which indicates overcurrent in the toner supply bottle motor. Details: The lock signal is generated when the toner supply bottle motor current exceeds 500 mA. When a toner supply bottle motor is on, it is checked every 100 milliseconds for lock signals. The following steps are executed every second. ▪ If the lock signal was detected 9 times in 10 samplings, the lock counter increases by one. When the lock counter value is 23 or larger, the SC is issued. ▪ If the lock signal was detected 8 times or less in 10 samplings, the lock counter is cleared. ▪ If the samplings end before reaching the tenth time (due to bottle replacement etc.), the lock counter value is kept as is. Sampling starts again the next time the motor runs. ▪ The lock counter is cleared when the machine is turned off (also when the machine enters sleep mode, in which the plotter is turned off) or when an SC is issued.
		▪ Toner bottle not set correctly or the torque is large. ▪ Toner bottle broken or defective ▪ Motor defective

		▪ Toner bottle not set correctly, toner bottle broken, or large torque: After the machine stops, ask the user to remove the toner bottle, shake it and set it again. Then cycle the machine off/on to return from SC status. ▪ Toner bottle broken or defective: Ask the user to remove the toner bottle and set a normal bottle. Then cycle the machine off/on to return from SC status. ▪ Motor defective: Turn off the machine and replace the motor. Then cycle the machine off/on to return from SC status.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC336-01	D	Developer Set Error (K)
SC336-02	D	Developer Set Error (C)
SC336-03	D	Developer Set Error (M)
SC336-04	D	Developer Set Error (Y)
		When the TD sensor control voltage (Vtcnt) is 4.3V, the TD sensor output (Vt) is less than 0.7V. Details: When executing TD sensor initialization (SP3-030), the machine checks the development unit for the presence of developer. If the error condition is detected at this point, the machine determines that there is no developer and issues the SC.
		▪ There is an extremely low amount of developer.
		▪ Check the developer.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC348-01	D	Toner supply error (K)
SC348-02	D	Toner supply error (C)
SC348-03	D	Toner supply error (M)
SC348-04	D	Toner supply error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		K: Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-001) is less than the lower threshold (SP3-301-023) and accumulated toner clutch ON time (SP3-301-041) is greater than the upper threshold (SP3-301-031). CMY: Amount of toner on the ID sensor pattern printed and read between sheets (SP3-300-002 to 004) is less than the lower threshold (SP3-301-024) and accumulated toner clutch ON time (SP3-301-042 to 044) is greater than the upper threshold (SP3-301-031). Details: This SC is issued when the toner end sensor continues detecting the presence of toner falsely.
		▪ Toner end sensor cleaner spring broken ▪ Toner end sensor cleaner spring not set correctly ▪ Toner end sensor defective
		1. Replace the toner supply unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC351-01	C	Development sleeve home position signal detection error (K)
SC351-02	C	Development sleeve home position signal detection error (C)
SC351-03	C	Development sleeve home position signal detection error (M)
SC351-04	C	Development sleeve home position signal detection error (Y)
		Cannot detect the home position signal within specified time.
		▪ Home position sensor defective/loose connection/harness damaged/Connecter disconnected ▪ Home position sensor smudged

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check if the home position sensor connector is connected correctly. ▪ Check the home position sensor for abnormality. ▪ Replace the home position sensor if it is abnormal. ▪ Check the sensor for smudges. Blow it with air and check again.

5.6 SC300 (ENGINE: DEVELOPMENT)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC360-01	D	TD sensor adjustment error (K)
SC360-02	D	TD sensor adjustment error (C)
SC360-03	D	TD sensor adjustment error (M)
SC360-04	D	TD sensor adjustment error (Y)
		During TD sensor initialization, the TD sensor output voltage (Vt) cannot be adjusted to the target range (target value ± 0.2V). Details: TD sensor initialization adjusts the TD sensor control voltage (Vtcnt) in order to adjust the TD sensor output voltage (Vt) to target value ± 0.2V. Adjustment flow: ▪ Developer presence detection ▪ Developer not detected. OK: Proceeds to Vtcnt adjustment. NG: SC336-0X ▪ TD sensor calibration (Fluctuate Vtcnt and measure Vt) ▪ TD sensor calibration result judgment OK: TD sensor calibration succeeded. NG: SC360-0X

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ TD sensor defective ▪ Loose connection ▪ Harness broken ▪ Developer is not new
		▪ Replace the TD sensor. ▪ Replace the development unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC361-01	D	TD sensor output error: Upper Limit (K)
SC361-02	D	TD sensor output error: Upper Limit (C)
SC361-03	D	TD sensor output error: Upper Limit (M)
SC361-04	D	TD sensor output error: Upper Limit (Y)
		The TD sensor output (Vt) (SP3-210-001 to 004) exceeded 4.7 V 20 times consecutively.
		▪ Toner density extremely low
		▪ Check the toner supply system.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC362-01	D	TD sensor output error: Lower limit (K)
SC362-02	D	TD sensor output error: Lower limit (C)
SC362-03	D	TD sensor output error: Lower limit (M)
SC362-04	D	TD sensor output error: Lower limit (Y)
		The TD sensor output (Vt) (SP3-210-001 to 004) fell below 0.5 V 10 times consecutively.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ TD sensor not connected correctly ▪ TD sensor defective
		▪ Check the TD sensor connection. ▪ Check the home position sensor for abnormality. ▪ Replace the TD sensor if it is abnormal.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC370-01	D	ID sensor calibration error (F)
SC370-02	D	ID sensor calibration error (C)
SC370-03	D	ID sensor calibration error (R)
		The voltage reading during process control for Vsg_reg was not within the correct range (4.0 ± 0.5 V). Details: Vsg_reg is the voltage reading of the light reflected directly from the bare surface of the ITB. ID sensor calibration adjusts the LED current so that Vsg_reg becomes 4.0 ± 0.5 V. Adjustment flow: ▪ Vsg_reg confirmation If Vsg_reg is smaller than 0.5V, SC371-0X is issued and process control ends. ▪ ID sensor calibration Fluctuates the LED current and measures Vsg_reg. ▪ LED current upper limit check OK: Proceeds to Vsg upper/lower limit check NG: SC372-0X is issued; proceeds to Vsg upper/lower limit check ▪ Vsg upper/lower limit check OK: Process control continued NG: SC370-0X is issued and process control ends.
		▪ ITB deformed, out of position or damaged

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check the ITB. ▪ Fix the ITB if it is deformed, out of position, etc.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC371-01	D	ID sensor output error (F)
SC371-02	D	ID sensor output error (C)
SC371-03	D	ID sensor output error (R)
		The ID sensor voltage reading of the light reflected directly (Vsg_reg) is below 0.5 V.
		▪ ID sensor connector disconnected/loose connection ▪ ID sensor defective
		▪ Check if the ID sensor connector is connected. Connect it if disconnected. ▪ Replace the ID sensor if defective.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC372-01	C	ID sensor LED current upper limit error (F)
SC372-02	C	ID sensor LED current upper limit error (C)
SC372-03	C	ID sensor LED current upper limit error (R)
		The ID sensor LED current exceeds the upper limit (SP3-320-015)
		▪ ID sensor smudged ▪ ID sensor deteriorated ▪ ITB deteriorated (smudges, filming)
		▪ Check the ID sensor window. Wipe it with a damp cloth if dirty (never use dry cloth). ▪ If the ID sensor is deteriorated, replace it. ▪ If the ITB is smudged, check the ITB unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC373-01	D	ID Sensor Pattern Density High Error (K)
SC373-02	D	ID Sensor Pattern Density High Error (C)
SC373-03	D	ID Sensor Pattern Density High Error (M)
SC373-04	D	ID Sensor Pattern Density High Error (Y)
		K: The density of the Black reading in the ID sensor patterns created between pages (SP3-300-001) is greater than the threshold value set by SP3-301-021. CMY: The density of the Cyan/Magenta/Yellow reading in the ID sensor patterns created between pages (SP3-300-002 to o004) is greater than the threshold value set by SP3-301-022.
		▪ Excessive toner supply
		▪ Replace the toner supply unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC374-01	D	ID Sensor Pattern Density Low Error (K)
SC374-02	D	ID Sensor Pattern Density Low Error (C)
SC374-03	D	ID Sensor Pattern Density Low Error (M)
SC374-04	D	ID Sensor Pattern Density Low Error (Y)
		K: The density of the Black reading in the ID sensor patterns created between pages (SP3-300-001) was less than the threshold value set by SP3-301-023 three times consecutively. CMY: The density of the Cyan reading in the ID sensor patterns created between pages (SP3-300-002 to 004) is less than the threshold value set by SP3301-24 three times consecutively.
		▪ Abnormal development bias (Continuity fault) ▪ Image transfer error
		▪ Check development bias continuity. ▪ Check the image transfer unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC381-01	D	Potential sensor output high error (K)
SC381-02	D	Potential sensor output high error (C)
SC381-03	D	Potential sensor output high error (M)
SC381-04	D	Potential sensor output high error (Y)
		Vd(700) greater than 800[-V] Details: In Vd detection, which is done at the beginning of process control, the measured potential (Vd) is converted to the potential when -700 V is applied to the drum (Vd700) and used to check the potential sensor.
		Potential sensor dirty (foreign object, such as toner, entering the probe window) / potential sensor probe connector disconnected

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check if the potential sensor probe is clean. If it is dirty, blow it with air and then check again. If this does not work, replace the potential sensor. ▪ Potential sensor probe connector is disconnected.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC382-01	D	Potential sensor output low error (K)
SC382-02	D	Potential sensor output low error (C)
SC382-03	D	Potential sensor output low error (M)
SC382-04	D	Potential sensor output low error (Y)
		Vd(700) lesser than 500[-V] Details: In Vd detection, which is done at the beginning of process control, the measured potential (Vd) is converted to the potential when -700 V is applied to the drum (Vd700) and used to check the potential sensor.
		▪ Potential sensor defective (probe, PWB, connector)
		▪ Connecter between IOB and potential sensor board disconnected ▪ Replace the potential sensor board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC395-01	D	Drum motor (K) Lock: Encoder 1 error
SC395-02	D	Drum motor (K) Lock: Encoder 2 error
SC395-03	D	Drum motor (K) Lock: Encoder 1/2 error
SC395-04	D	Drum motor (K) Lock: Hole error
SC395-05	D	Drum motor (K) Lock: Overload error
SC396-01	D	Drum motor (C) Lock: Encoder 1 error
SC396-02	D	Drum motor (C) Lock: Encoder 2 error
SC396-03	D	Drum motor (C) Lock: Encoder 1/2 error
SC396-04	D	Drum motor (C) Lock: Hole error
SC396-05	D	Drum motor (C) Lock: Overload error
SC397-01	D	Drum motor (M) Lock: Encoder 1 error
SC397-02	D	Drum motor (M) Lock: Encoder 2 error
SC397-03	D	Drum motor (M) Lock: Encoder 1/2 error
SC397-04	D	Drum motor (M) Lock: Hole error
SC397-05	D	Drum motor (M) Lock: Overload error
SC398-01	D	Drum motor (Y) Lock: Encoder 1 error
SC398-02	D	Drum motor (Y) Lock: Encoder 2 error
SC398-03	D	Drum motor (Y) Lock: Encoder 1/2 error
SC398-04	D	Drum motor (Y) Lock: Hole error
SC398-05	D	Drum motor (Y) Lock: Overload error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B See table below for ASAP commands notifying SC detection. Details: TDCU Motor lock signal criteria: ▪ Drum motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%. ▪ ITB drive motor, PTR Motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%.
		Target value: If the default motor speed was adjusted using the SP, the adjusted value is used as the target value. Specification: ▪ When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective, connector disconnected, harness broken, IOB defective, unit torque increased. ▪ Black drum sensor smudged, black drum sensor defective, black drum sensor connector not set correctly, harness broken

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Replace the motor / reconnect the connector / replace the harness / replace the IOB / replace the unit / replace the driven unit. ▪ Clean the sensor / replace the sensor. ▪ Reconnect the sensor connector. ▪ Check the sensor harness.

ASAP Command: SC detection notification (TDCU to Engine): (SC395-01 to SC398-05)

SC No.	ASAP Command: SC detection notification
SC395-01	0x55_0x08_0x01 0x55_0x08_0x02 0x55_0x08_0x03 0x55_0x08_0x04
SC395-02	0x55_0x08_0x05 0x55_0x08_0x0a 0x55_0x08_0x0f 0x55_0x08_0x14

SC No.	ASAP Command: SC detection notification
SC395-03	0x55_0x08_0x06 0x55_0x08_0x07 0x55_0x08_0x08 0x55_0x08_0x09 0x55_0x08_0x0b 0x55_0x08_0x0c 0x55_0x08_0x0d 0x55_0x08_0x0e 0x55_0x08_0x10 0x55_0x08_0x11 0x55_0x08_0x12 0x55_0x08_0x13 0x55_0x08_0x15 0x55_0x08_0x16 0x55_0x08_0x17 0x55_0x08_0x18
SC395-04	0x55_0x02_0x29 0x55_0x02_0x2a 0x55_0x02_0x2b 0x55_0x02_0x2c
SC395-05	0x55_0x02_0x34
SC396-01	0x55_0x02_0x01 0x55_0x02_0x02 0x55_0x02_0x03 0x55_0x02_0x04
SC396-02	0x55_0x02_0x05 0x55_0x02_0x0a 0x55_0x02_0x0f 0x55_0x02_0x14

SC No.	ASAP Command: SC detection notification
SC396-03	0x55_0x02_0x06 0x55_0x02_0x07 0x55_0x02_0x08 0x55_0x02_0x09 0x55_0x02_0x0b 0x55_0x02_0x0c 0x55_0x02_0x0d 0x55_0x02_0x0e 0x55_0x02_0x10 0x55_0x02_0x11 0x55_0x02_0x12 0x55_0x02_0x13 0x55_0x02_0x15 0x55_0x02_0x16 0x55_0x02_0x17 0x55_0x02_0x18
SC396-04	0x55_0x02_0x29 0x55_0x02_0x2a 0x55_0x02_0x2b 0x55_0x02_0x2c
SC396-05	0x55_0x02_0x34
SC397-01	0x55_0x04_0x01 0x55_0x04_0x02 0x55_0x04_0x03 0x55_0x04_0x04
SC397-02	0x55_0x04_0x05 0x55_0x04_0x0a 0x55_0x04_0x0f 0x55_0x04_0x14

SC No.	ASAP Command: SC detection notification
SC397-03	0x55_0x04_0x06 0x55_0x04_0x07 0x55_0x04_0x08 0x55_0x04_0x09 0x55_0x04_0x0b 0x55_0x04_0x0c 0x55_0x04_0x0d 0x55_0x04_0x0e 0x55_0x04_0x10 0x55_0x04_0x11 0x55_0x04_0x12 0x55_0x04_0x13 0x55_0x04_0x15 0x55_0x04_0x16 0x55_0x04_0x17 0x55_0x04_0x18
SC397-04	0x55_0x04_0x29 0x55_0x04_0x2a 0x55_0x04_0x2b 0x55_0x04_0x2c
SC397-05	0x55_0x04_0x34
SC398-01	0x55_0x01_0x01 0x55_0x01_0x02 0x55_0x01_0x03 0x55_0x01_0x04
SC398-02	0x55_0x01_0x05 0x55_0x01_0x0a 0x55_0x01_0x0f 0x55_0x01_0x14

SC No.	ASAP Command: SC detection notification
SC398-03	0x55_0x01_0x06 0x55_0x01_0x07 0x55_0x01_0x08 0x55_0x01_0x09 0x55_0x01_0x0b 0x55_0x01_0x0c 0x55_0x01_0x0d 0x55_0x01_0x0e 0x55_0x01_0x10 0x55_0x01_0x11 0x55_0x01_0x12 0x55_0x01_0x13 0x55_0x01_0x15 0x55_0x01_0x16 0x55_0x01_0x17 0x55_0x01_0x18
SC398-04	0x55_0x01_0x29 0x55_0x01_0x2a 0x55_0x01_0x2b 0x55_0x01_0x2c
SC398-05	0x55_0x01_0x34

5.7 SERVICE CALL 400-498

5.7.1 SC400 (ENGINE: AROUND THE DRUM)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC400-01	D	Development Gamma High Error (K)
SC400-02	D	Development Gamma High Error (C)
SC400-03	D	Development Gamma High Error (M)
SC400-04	D	Development Gamma High Error (Y)
		Development gamma > 3.0 Details: This SC is issued when the development gamma measured during process control was greater than 3.0
		▪ Toner density too high ▪ Condensation
		▪ Replace the developer. ▪ If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC401-01	D	Development Gamma Low Error (K)
SC401-02	D	Development Gamma Low Error (C)
SC401-03	D	Development Gamma Low Error (M)
SC401-04	D	Development Gamma Low Error (Y)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Development gamma > 3.0 Details: This SC is issued when the development gamma measured during process control was smaller than 3.0
		▪ Toner density error ▪ The dustproof glass is dirty. ▪ Transfer power pack defective
		▪ Check the toner supply system. ▪ Clean the dustproof glass. ▪ Replace the transfer power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC402-51	D	Development gamma calculation error: Insufficient data (K)
SC402-52	D	Development gamma calculation error: Insufficient data (C)
SC402-53	D	Development gamma calculation error: Insufficient data (M)
SC402-54	D	Development gamma calculation error: Insufficient data (KY
		The number of valid data that can be used for development gamma calculation is smaller than 2.
		▪ Toner density error ▪ Condensation
		▪ Replace the developer. ▪ If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC402-61	D	Development gamma calculation error: LD unlit (K)
SC402-62	D	Development gamma calculation error: LD unlit (C)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC402-63	D	Development gamma calculation error: LD unlit (M)
SC402-64	D	Development gamma calculation error: LD unlit (Y)
		Unable to draw gradation pattern Details: This SC is issued when the potential sensor fails to detect the gradation pattern created during process control.
		▪ LD unlit
		▪ Check the LD system and electric components.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC403-01	C	Development Start Voltage (Vk) High Error (K)
SC403-02	C	Development Start Voltage (Vk) High Error (C)
SC403-03	C	Development Start Voltage (Vk) High Error (M)
SC403-04	C	Development Start Voltage (Vk) High Error (Y)
		Development Start Voltage (Vk) > 300 [-V] Details: This SC is issued when the development start voltage measured during process control exceeded 300[-V].
		▪ Toner density error
		▪ Replace the developer.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC404-01	C	Development Start Voltage (Vk) Low Error (K)
SC404-02	C	Development Start Voltage (Vk) Low Error (C)
SC404-03	C	Development Start Voltage (Vk) Low Error (M)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC404-04	C	Development Start Voltage (Vk) Low Error (Y)
		Development Start Voltage (Vk) < 300 [-V] Details: This SC is issued when the development start voltage measured during process control was smaller than 300[-V].
		▪ Toner density error ▪ Condensation
		▪ Replace the developer. ▪ If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC410-01	C	Residual Voltage (Vr) Detection Error (K)
SC410-02	C	Residual Voltage (Vr) Detection Error (C)
SC410-03	C	Residual Voltage (Vr) Detection Error (M)
SC410-04	C	Residual Voltage (Vr) Detection Error (Y)
		Residual Voltage (Vr) > 200[-V] Details: This SC is issued when the residual voltage measured duringprocess control exceeded 200 [-V].
		▪ Toner density error ▪ Condensation
		▪ Replace the developer. ▪ If condensation has formed, wait a while and repeat process control.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC411-01	C	Charge potential (Vd) Adjustment Error (K)
SC411-02	C	Charge potential (Vd) Adjustment Error (C)
SC411-03	C	Charge potential (Vd) Adjustment Error (M)
SC411-04	C	Charge potential (Vd) Adjustment Error (Y)
		Failed to adjust the DC charge bias to the target range: Vd*± 8V. Details: This SC is issued when the machine fails to adjust the DC charge bias to the target range: Vd*± 8V during process contol.
		▪ Charge roller dirty
		▪ Replace the charge roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC412-01	C	LD input current (Vpl) Adjustment Error (K)
SC412-02	C	LD input current (Vpl) Adjustment Error (C)
SC412-03	C	LD input current (Vpl) Adjustment Error (M)
SC412-04	C	LD input current (Vpl) Adjustment Error (Y)
		Failed to adjust the LD power to the target range: Vpl*± 5V. Details: This SC is issued when the machine fails to adjust the LD power to the target range: Vpl*± 5V during process contol.
		▪ OPC drum deteriorated (Filming etc.) ▪ Charge roller dirty
		▪ Replace the OPC drum. ▪ Replace the charge roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC421-01	C	OPC home position signal detection error (K)
SC421-02	C	OPC home position signal detection error (C)
SC421-03	C	OPC home position signal detection error (M)
SC421-04	C	OPC home position signal detection error (Y)
		Failed to detect the home position signal within specified time.
		▪ Home position sensor defective/Loose connection/Harness broken/Connecter disconnected ▪ Home position sensor smudged
		▪ Check the home position sensor connector. ▪ Check the home position sensor harness. ▪ Replace the home position sensor if it is found to be defective. ▪ Check the sensor for smudges. Blow it with air and check again.

5.8 SC300/400 (ENGINE: TRANSFER/SEPARATION, CLEANING ETC.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC390-00	C	Black drum drive FF control error.
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x08
		▪ Black drum motor defective ▪ Black sensor connector disconnected or harness broken ▪ Black drum encoder sensor defective ▪ Black drum encoder smudged or defective
		▪ Replace the black drum encoder sensor. ▪ Replace the black drum encoder. ▪ Replace the black drum drive unit. ▪ Replace the black drum motor. ▪ Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC391-00	C	Cyan drum drive FF control error.
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x02
		▪ Cyan drum motor defective ▪ Cyan sensor connector disconnected or harness broken ▪ Cyan drum encoder sensor defective ▪ Cyan drum encoder smudged or defective
		▪ Replace the cyan drum encoder sensor. ▪ Replace the cyan drum encoder. ▪ Replace the cyan drum drive unit. ▪ Replace the cyan drum motor. ▪ Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC392-00	C	Magenta drum drive FF control error.
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x04
		▪ Magenta drum motor defective ▪ Magenta sensor connector disconnected or harness broken ▪ Magenta drum encoder sensor defective ▪ Magenta drum encoder smudged or defective
		▪ Replace the magenta drum encoder sensor. ▪ Replace the magenta drum encoder. ▪ Replace the magenta drum drive unit. ▪ Replace the magenta drum motor. ▪ Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC393-00	C	Yellow drum drive FF control error. Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x01 ▪ Yellow drum motor defective ▪ Yellow sensor connector disconnected or harness broken ▪ Yellow drum encoder sensor defective ▪ Yellow drum encoder smudged or defective ▪ Replace the yellow drum encoder sensor. ▪ Replace the yellow drum encoder. ▪ Replace the yellow drum drive unit. ▪ Replace the yellow drum motor. ▪ Reconnect the connector or replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-01	D	Image Transfer Power Pack Voltage Leak (K)
SC440-02	D	Image Transfer Power Pack Voltage Leak (C)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-03	D	Image Transfer Power Pack Voltage Leak (M)
SC440-04	D	Image Transfer Power Pack Voltage Leak (Y)
		An interrupt checks the status of the power pack every 10 ms. This SC is issued if a problem exists with 50 consecutive samplings (500 ms). Details: SC issued when the image transfer power pack output current is leaking. The IOB checks for SC signals as described above.
		▪ Image transfer power pack output current is leaking.
		Remove the high voltage cable from the output terminal of the image transfer power pack and check the following items. ▪ PWM signal check If signal is fixed during image transfer, replace the cable or the IOB. ▪ Image transfer power pack output check If output is fixed during image transfer, replace the power pack. If output is normal during image transfer, replace the high voltage cable, ITB or the transfer roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC440-11	D	Image Transfer Power Pack Error (low output) (K)
SC440-12	D	Image Transfer Power Pack Error (low output) (C)
SC440-13	D	Image Transfer Power Pack Error (low output) (M)
SC440-14	D	Image Transfer Power Pack Error (low output) (Y)
		The transfer roller resistance level was "R-3" (detected voltage was lower than 0.1kV).
		▪ Image transfer power pack defective ▪ Problem with input harness to the image transfer power pack (loose connection, harness broken, or connector disconnected).
		▪ Fix or replace the image transfer power pack. ▪ Check the input harness and connector of the image transfer power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC442-00	D	ITB Lift Error
		Even though the ITB lift motor rotates, the ITB lift sensor failed to detect the specified sensor feeler status within specified time. Details: ▪ During home-positioning (operation for fixing the separated status) (separation movement) The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation movement) within 2000 msec from the start of ITB lift motor rotation. ▪ During normal contact/separation movement (printing/process control/MUSIC/forced toner consumption) Contact movement: The sensor failed to detect the transition from “feeler absent” to “feeler present” (contact) within 2000 msec from the start of ITB lift motor rotation. Separation movement: The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation) within 2000 msec from the start of ITB lift motor rotation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ During contact/separation movement under special conditions (paper jam, paper end etc.) Separation movement: The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation) within 2000 msec from the start of ITB lift motor rotation. Detection timing: During contact/separation movement Detection interval: 2msec or more
		▪ Sensor smudged ▪ Motor/sensor defective ▪ Harness broken or problem with connection (such as a disconnected connector)
		▪ If smudged: cleaning ▪ If defective or broken: replacement ▪ Problem with connection: reconnection

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC443-01	C	Image transfer roller end-of-life (K)
SC443-02	C	Image transfer roller end-of-life (C)
SC443-03	C	Image transfer roller end-of-life (M)
SC443-04	C	Image transfer roller end-of-life (Y)
		Resistance level of the image transfer roller was "R+3" during image transfer voltage detection.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Image transfer roller resistance increased through time (Roller end-of-life) ▪ Connection fault between the image transfer power pack and the image transfer roller (High voltage harness broken, connector disconnected, or contact failure of image transfer roller bushes, etc.) ▪ Image transfer power pack defective
		▪ Replace the image transfer roller. ▪ Reconnect or replace the high voltage harness or the unit. ▪ Fix or replace the image transfer power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-01	C	ITB unit control error: driven shaft FB
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x40
		▪ ITB motor defective ▪ ITB unit set error ▪ Connector disconnected or harness broken ▪ Driven shaft encoder sensor defective ▪ Driven shaft encoder smudged or damaged
		▪ Replace the ITB unit. ▪ Replace the ITB motor. ▪ Set the ITB unit again. ▪ Replace the driven shaft encoder. ▪ Reconnect the connectors ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-02	C	ITB unit control error: driven shaft eccentricity correction control
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x20
		▪ ITB motor defective ▪ ITB unit set error ▪ Connector disconnected or harness broken ▪ Driven shaft encoder sensor defective ▪ Driven shaft encoder smudged or damaged ▪ Drive shaft encoder sensor defective ▪ Drive shaft encoder smudged or damaged
		▪ Replace the ITB unit. ▪ Replace the ITB motor. ▪ Set the ITB unit again. ▪ Replace the driven shaft encoder sensor. ▪ Replace the driven shaft encoder. ▪ Replace the drive shaft encoder sensor. ▪ Replace the drive shaft encoder. ▪ Reconnect the connectors or replace the harness. ▪ Replace the ITB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC445-03	C	ITB unit control error: dancing control
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: 0x58_0x10

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ ITB motor defective ▪ ITB unit set error ▪ Connector disconnected or harness broken ▪ Driven shaft encoder sensor defective ▪ Driven shaft encoder smudged or damaged ▪ Drive shaft encoder sensor defective ▪ Drive shaft encoder smudged or damaged
		▪ Replace the ITB unit. ▪ Replace the ITB motor. ▪ Set the ITB unit again. ▪ Replace the driven shaft encoder sensor. ▪ Replace the driven shaft encoder. ▪ Replace the drive shaft encoder sensor. ▪ Replace the drive shaft encoder. ▪ Reconnect the connectors or replace the harness. ▪ Replace the ITB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC446-01	D	ITB: Lock: Encoder 1 error
SC446-02	D	ITB: Lock: Encoder 2 error
SC446-03	D	ITB: Lock: Encoder 1/2 error
SC446-04	D	ITB: Lock: Hole error
SC446-05	D	ITB: Lock: Overload error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B See table below for ASAP commands notifying SC detection. Details: TDCU Motor lock signal criteria: ▪ Drum motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%. ▪ ITB drive motor, PTR Motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%. Target value: If the default motor speed was adjusted using the SP, the adjusted value is used as the target value. Specification: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Motor defective, connector disconnected, harness broken, IOB defective, unit torque increased. ▪ ITB drive R sensor smudged, ITB driven R sensor smudged, ITB drive R sensor defective, ITB drive R sensor defective ▪ ITB drive R sensor connector not set correctly, ITB driven R sensor connector not set correctly, harness broken
		▪ Replace the motor / reconnect the connector / replace the harness / replace the IOB / replace the unit / replace the driven unit. ▪ Clean the sensor / replace the sensor. ▪ Reconnect the sensor connector. ▪ Check the sensor harness.

ASAP Command: SC detection notification (TDCU to Engine): (SC446-01 to SC446-05)

SC No.	ASAP Command: SC detection notification
SC446-01	0x55_0x40_0x01 0x55_0x40_0x02 0x55_0x40_0x03 0x55_0x40_0x04
SC446-02	0x55_0x40_0x05 0x55_0x40_0x0a 0x55_0x40_0x0f 0x55_0x40_0x14

SC No.	ASAP Command: SC detection notification
SC446-03	0x55_0x40_0x06 0x55_0x40_0x07 0x55_0x40_0x08 0x55_0x40_0x09 0x55_0x40_0x0b 0x55_0x40_0x0c 0x55_0x40_0x0d 0x55_0x40_0x0e 0x55_0x40_0x10 0x55_0x40_0x11 0x55_0x40_0x12 0x55_0x40_0x13 0x55_0x40_0x15 0x55_0x40_0x16 0x55_0x40_0x17 0x55_0x40_0x18
SC446-04	0x55_0x40_0x29 0x55_0x40_0x2a 0x55_0x40_0x2b 0x55_0x40_0x2c
SC446-05	0x55_0x40_0x34

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-01	D	ITB Power Pack error (leak): DC
SC450-02	D	ITB Power Pack error (leak): AC

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		An interrupt checks the status of the power pack every 10 ms. This SC is issued if a problem exists with 50 consecutive samplings (500 ms). Details: SC issued when the ITB power pack output current is leaking. The IOB checks for SC signals as described above. Distinguished between DC and AC.
		▪ ITB power pack output current is leaking.
		Remove the high voltage cable from the output terminal of the ITB power pack and check the following items. ▪ PWM signal check If signal is fixed during image transfer, replace the cable or the IOB. ▪ ITB power pack output check If output is fixed during image transfer, replace the power pack. If output is normal during image transfer, replace the high voltage cable, ITB or the transfer roller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC450-11	D	ITB Power Pack Error (low output)
		The ITB roller resistance level was "R-3" (detected voltage was lower than 0.1kV).
		▪ ITB power pack defective ▪ Problem with input harness to the ITB power pack (loose connection, harness broken, or connector disconnected).
		▪ Fix or replace the ITB power pack. ▪ Check the input harness and connector of the ITB power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC452-00	D	PTR Lift Error
		Even though the PTR lift motor rotates, the PTR lift sensor failed to detect the specified sensor feeler status within specified time. Details: ▪ During home-positioning (operation for fixing the separated status) (separation movement) The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation) within 2000 msec from the start of PTR lift motor rotation. ▪ During normal contact/separation movement (printing/process control/MUSIC/forced toner consumption) Contact movement: The sensor failed to detect the transition from “feeler absent” to “feeler present” (contact) within 2000 msec from the start of PTR lift motor rotation. Separation movement: The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation) within 2000 msec from the start of PTR lift motor rotation.
		▪ During contact/separation movement under special conditions (paper jam, paper end etc.) Separation movement: The sensor failed to detect the transition from “feeler present” to “feeler absent” (separation) within 2000 msec from the start of PTR lift motor rotation. Detection timing: During contact/separation movement Detection interval: 2msec or less
		▪ Sensor smudged ▪ Motor/sensor defective ▪ Harness broken or problem with connection (such as a disconnected connector)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ If smudged: cleaning ▪ If defective or broken: replacement ▪ Problem with connection: reconnection

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC453-00	C	Paper Transfer Roller end-of-life
		The paper transfer roller resistance level was "R+3".
		▪ Paper transfer roller resistance increased through time (Roller end-of-life) ▪ Connection fault between the paper transfer power pack and the paper transfer roller (High voltage harness broken, connector disconnected, or contact failure of paper transfer roller bushes, etc.) ▪ Paper transfer power pack defective
		▪ Replace the paper transfer roller. ▪ Reconnect or replace the high voltage harness or the unit. ▪ Fix or replace the paper transfer power pack.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC460-00	D	Separation Power Pack Error (Leak)
		An interrupt checks the status of the power pack every 10 ms. This SC is issued if a problem exists with 50 consecutive samplings (500 ms). Details: SC issued when the separation power pack output current is leaking. The IOB checks for SC signals as described above.
		▪ Image transfer power pack AC output is leaking.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Remove the high voltage cable from the output terminal of the separation power pack and check the following items. ▪ PWM signal check If signal is fixed during image transfer, replace the cable or the IOB. ▪ Separation power pack output check If output is fixed during image transfer, replace the power pack. If output is normal during image transfer, replace the high voltage cable or the quenching needle.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC465-01	D	PTR motor: Lock: Encoder 1 error
SC465-02	D	PTR motor (K) Lock: Encoder 2 error
SC465-03	D	PTR motor (K) Lock: Encoder 1/2 error
SC465-04	D	PTR motor (K) Lock: Hole error
SC465-05	D	PTR motor (K) Lock: Overload error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B See table below for ASAP commands notifying SC detection. Details: TDCU Motor lock signal criteria: ▪ Drum motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%. ▪ ITB drive motor, PTR Motor High if the motor speed is not within the range of target value ± 6.25%. Low if the motor speed is within the range of target value ± 6.25%. Target value: If the default motor speed was adjusted using the SP, the adjusted value is used as the target value. Specification: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective, connector disconnected, harness broken, IOB defective, unit torque increased. ▪ PTR sensor smudged or defective ▪ PTR sensor connector not set correctly, harness broken

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Replace the motor / reconnect the connector / replace the harness / replace the IOB / replace the unit / replace the driven unit. ▪ Clean the sensor / replace the sensor. ▪ Reconnect the sensor connector. ▪ Check the sensor harness.

ASAP Command: SC detection notification (TDCU to Engine): (SC465-01 to SC465-05)

SC No.	ASAP Command: SC detection notification
SC465-01	0x55_0x80_0x01 0x55_0x80_0x02 0x55_0x80_0x03 0x55_0x80_0x04
SC465-02	0x55_0x80_0x05 0x55_0x80_0x0a 0x55_0x80_0x0f 0x55_0x80_0x14

SC No.	ASAP Command: SC detection notification
SC465-03	0x55_0x80_0x06 0x55_0x80_0x07 0x55_0x80_0x08 0x55_0x80_0x09 0x55_0x80_0x0b 0x55_0x80_0x0c 0x55_0x80_0x0d 0x55_0x80_0x0e 0x55_0x80_0x10 0x55_0x80_0x11 0x55_0x80_0x12 0x55_0x80_0x13 0x55_0x80_0x15 0x55_0x80_0x16 0x55_0x80_0x17 0x55_0x80_0x18
SC446-04	0x55_0x80_0x29 0x55_0x80_0x2a 0x55_0x80_0x2b 0x55_0x80_0x2c
SC446-05	0x55_0x80_0x34

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC480-00	D	Drum cleaning motor: Bk: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x08 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC481-00	D	Drum cleaning motor: C: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x02 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC482-00	D	Drum cleaning motor: M: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x04 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC483-00	D	Drum cleaning motor: Y: Lock
		Error detected by the TDCU. If a command sent from the TDCU indicates an error, the engine issues an SC. ASAP command: Motor lock detection setting value (engine to TDCU): 0x5B ASAP command: SC detection notification (TDCU to engine): 0x57_0x01 Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC486-00	D	Bottle Waste Toner Lock Detection Error
		Signals sent from the bottle waste toner motor lock sensor were either ON or OFF 50 times consecutively.
		▪ Physical obstruction is blocking waste toner transport path ▪ Bottle waste toner motor defective ▪ Sensor defective ▪ Harness broken ▪ Connection fault
		▪ Physical obstruction is blocking waste toner transport path: Replace or clean the waste toner transport section. ▪ Bottle waste toner motor defective: Replace the motor. ▪ Sensor defective: Replace the sensor. ▪ Harness broken: Replace the harness. ▪ Connection fault: Reconnect it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC488-00	D	Machine Waste Toner Lock Detection Error
		The intervals of signals sent from the machine waste toner lock sensor (normally 64.68msec) became either less than 30msec or more than 81msec.
		▪ Physical obstruction is blocking waste toner transport path ▪ Machine waste toner motor defective ▪ Sensor defective ▪ Harness broken ▪ Connection fault
		▪ Physical obstruction is blocking waste toner transport path: Replace or clean the waste toner transport section. ▪ Sensor defective or harness broken: Replace parts. ▪ Connection fault: Reconnect it.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC496-00	C	MUSIC Sensor Error
		MUSIC failed while power was on. Details: ▪ TM sensor sampling error ▪ Sensor LED adjustment abnormal ▪ Number of patches abnormal ▪ ITB scratched ▪ Main scan registration abnormal ▪ Sub scan registration abnormal ▪ Main scan magnification abnormal ▪ Main scan magnification error diffusion abnormal
		▪ ITB scratched or smudged ▪ Sensor smudged or defective ▪ Pattern density abnormal
		▪ Cycle the machine off/on. ▪ Replace the TM sensor. ▪ Replace the ITB. ▪ Process control ▪ Cleaning

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC497-00	C	Temperature/Humidity Sensor Error (PCU)
		One of the following occurred. ▪ The temperature sensor output was less than 0.5V or more than 2.8V for three seconds (one second x 3), indicating a problem with the temperature sensor. ▪ The humidity sensor output was more than 2.4V for three seconds (one second x 3), indicating a problem with the humidity sensor. Details: Detection is repeated after power off/on. If either of temperature/humidity sensors works correctly, the working sensor will be used even after the SC is issued. The machine continues working with the assumption that the temperature is 23 degrees centigrade (if there is a problem with the temperature sensor) and/or the humidity is 50% (if there is a problem with the humidity sensor).
		▪ Connector disconnected or harness broken ▪ Sensor defective
		▪ Connector disconnected or harness broken: Revert connection. ▪ Sensor defective: Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC498-00	C	Temperature/Humidity Sensor Error (Main)
		One of the following occurred. ▪ The temperature sensor output was less than 0.5V or more than 2.8V for three seconds (one second x 3), indicating a problem with the temperature sensor. ▪ The humidity sensor output was more than 2.4V for three seconds (one second x 3), indicating a problem with the humidity sensor. Details: Detection is repeated after power off/on. If either of temperature/humidity sensors works correctly, the working sensor will be used even after the SC is issued. The machine continues working with the assumption that the temperature is 23 degrees centigrade (if there is a problem with the temperature sensor) and/or the humidity is 50% (if there is a problem with the humidity sensor)
		▪ Connector disconnected or harness broken ▪ Sensor defective
		▪ Connector disconnected or harness broken: Revert connection. ▪ Sensor defective: Replace the sensor.

5.9 SERVICE CALL 501-595

5.9.1 SC500 (ENGINE: PAPER TRANSPORT 1: PAPER FEED, DUPLEX, TRANSPORT)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-01	B	1st Tray Lift Error (A3 extended tray)
		1st tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ 1st tray lift motor disconnected/harness broken/defective ▪ 1st tray lift sensor disconnected/defective/smudged ▪ Paper end sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the sensor/replace the 1st tray. ▪ Check the harness of the paper end sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-02	B	1st Tray Lowering Error (A3 extended tray)
		1st tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		▪ 1st tray lift motor disconnected/harness broken/defective ▪ 1st tray lift sensor disconnected/defective/smudged ▪ Paper end sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the sensor/replace the 1st tray. ▪ Check the harness of the paper end sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-11	B	1st Tray Lift Error (Tandem tray/tandem LCT)
		1st tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ 1st tray lift motor disconnected/harness broken/defective ▪ 1st tray lift sensor disconnected/defective/smudged ▪ Paper end sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the sensor/replace the 1st tray. ▪ Check the harness of the paper end sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-12	B	1st Tray Lowering Error (Tandem tray/Tandem LCT)
		1st tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		▪ 1st tray lift motor disconnected/harness broken/defective ▪ 1st tray lift sensor disconnected/defective/smudged ▪ Paper end sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the sensor/replace the 1st tray. ▪ Check the harness of the paper end sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-13	B	1st Tray Lower Limit Error (Tandem tray/Tandem LCT)
		1st tray lift motor lower limit error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ 1st tray lift motor disconnected/harness broken/defective ▪ 1st tray lift sensor disconnected/defective/smudged ▪ Paper end sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the sensor/replace the 1st tray. ▪ Check the harness of the paper end sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Replace the 1st tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the right tray (of the tandem tray)/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC501-14	C	Tandem Transport Fence Error
		Transport motor return error detected. Transport motor home position error detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: User is instructed to set paper again and SC is recorded but not displayed. The count of detections is reset when successful operation is detected and at power off/on.
		▪ Transport motor disconnected/defective ▪ Return sensor disconnected/defective/smudged ▪ Home position sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the transport motor. ▪ Paper set incorrectly.
		▪ Replace the transport motor/reconnect the connector/replace the harness/replace the PFB/Replace the left tray/replace the driven unit. ▪ Check the harness of the return sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Check the harness of the home position sensor/reconnect the sensor connector/clean the sensor/replace the sensor. ▪ Load paper again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-01	B	2nd Tray Lift Error
		2nd tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ 2nd tray lift motor disconnected/harness broken/defective ▪ 2nd tray lift sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the 2nd tray. ▪ Replace the 2nd tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the 2nd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC502-02	B	2nd Tray Lowering Error
		Tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ 2nd tray lift motor disconnected/harness broken/defective ▪ 2nd tray lift sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the 2nd tray. ▪ Replace the 2nd tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the 2nd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-01	B	3rd Tray Lift Error
		3rd tray lift motor lift error was detected. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ 3rd tray lift motor disconnected/harness broken/defective ▪ 3rd tray lift sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the 3rd tray. ▪ Replace the 3rd tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the 3rd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC503-02	B	3rd Tray Lowering Error
		Tray lift motor lower error was detected. If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on
		▪ 3rd tray lift motor disconnected/harness broken/defective ▪ 3rd tray lift sensor disconnected/defective/smudged ▪ Paper overloaded ▪ Foreign object (such as a piece of paper) is stuck between the paper tray and the tray lift motor. ▪ Paper set incorrectly.
		▪ Load paper again. ▪ Check the harness of the tray lift sensor,/reconnect the sensor connector/clean the sensor/replace the 3rd tray. ▪ Replace the 3rd tray lift motor/reconnect the connector/replace the harness/replace the PFB/Replace the 3rd tray/replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-01	B	LCT Tray Error (Lift Sensor Error): D709
		The following status was detected 5 times consecutively: The upper limit sensor did not become on before pick-up solenoid is on at the start of tray initialization.
		▪ Pick-up solenoid defective/connecter disconnected ▪ Upper limit sensor defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the pick-up solenoid. ▪ Replace or reconnect the lift sensor. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-02	B	LCT Tray Error (Lift Timeout): D709
		During Tray initialization, the tray bottom plate was lifted but the upper limit sensor did not detect it after a specified time (30 seconds).
		▪ Upper limit motor defective/connecter disconnected ▪ Upper limit sensor defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the lift motor. ▪ Replace or reconnect the upper limit sensor. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-03	B	LCT Tray Error (Lowering Timeout): D709
		▪ During Tray initialization, the tray bottom plate was lowered for position check but the upper limit sensor was still on or none of lower limit sensor and paper sensors 1 to 4 became on after a specified time (30 seconds). ▪ When paper has run out or when the lowering switch was pressed, the tray bottom plate was lowered but neither the lift sensor nor the lower limit sensor became on after a specified time (30 seconds).
		▪ Lift motor defective/connecter disconnected ▪ Upper limit sensor defective/connecter disconnected ▪ Lift sensor defective/connecter disconnected ▪ Lower limit sensor defective/connecter disconnected ▪ Either of paper sensors 1 to 4 defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the lift motor. ▪ Replace or reconnect the upper limit sensor. ▪ Replace or reconnect the lift sensor. ▪ Replace or reconnect the lower limit sensor. ▪ Replace or reconnect the paper sensors 1 to 4. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-04	B	LCT Tray Error (Paper Overload Error): D709
		During tray initialization, the upper limit sensor and the lower limit sensor were both on for 5 times consecutively.
		▪ Paper overloaded. ▪ Upper limit sensor defective/connecter disconnected ▪ Lower limit sensor defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Reduce loaded paper. ▪ Replace or reconnect the upper limit sensor. ▪ Replace or reconnect the lower limit sensor. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-11	B	LCT Tray Error (Upper Limit Detection Error): D710
		At the start of tray initialization, the upper limit sensor was detected as being off for 5 times before the pick-up solenoid was on.
		▪ Pick-up solenoid defective/connecter disconnected ▪ Upper limit sensor defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the pick-up solenoid. ▪ Replace or reconnect the upper limit sensor. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-12	B	LCT Tray Error (Lift timeout): D710
		During Tray initialization, the tray bottom plate was lifted but the upper limit sensor did not detect it after a specified time (27 seconds).
		▪ Lift motor defective/connecter disconnected ▪ Upper limit sensor defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the lift motor. ▪ Replace or reconnect the upper limit sensor. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-16	B	LCT Tray Error (front blower fan error): D710
		Started LD signal check one second after LCT front blower fan became on and detected H level (abnormal) for 700 ms consecutively.
		▪ Front blower fan defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the front blower fan. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC505-17	B	LCT Tray Error (rear blower fan error): D710
		Started LD signal check one second after LCT rear blower fan became on and detected H level (abnormal) for 700 ms consecutively.
		▪ Rear blower fan defective/connecter disconnected ▪ Related harness broken ▪ PCB defective
		▪ Replace or reconnect the rear blower fan. ▪ Replace the corresponding harness. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-01	B	Bypass tray lift error
		The bottom plate started CW but the tray upper limit sensor did not become blocked within 3 seconds. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed The count of detections is reset when successful operation is detected and at power off/on.
		▪ Bypass tray upper limit sensor defective/disconnected/harness broken ▪ Bypass tray bottom plate lift motor defective/disconnected/harness broken ▪ Circuit board (PFB) error ▪ Bypass tray bottom plate/bottom plate drive unit does not move e.g. because physical obstacle (broken piece of the unit, etc.) is blocking operation.
		▪ Bypass tray bottom plate lift motor and bypass tray bottom plate upper limit sensor check/cleaning/replacement/harness reconnection/harness replacement ▪ Check or replace the circuit board (PFB). ▪ Check and/or replace the bypass tray bottom plate and bottom plate lift drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-02	B	Bypass tray lowering error
		The bottom plate started CCW but the tray upper limit sensor did not become non-blocked within 1.5 seconds. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed The count of detections is reset when successful operation is detected and at power off/on.
		▪ Bypass tray upper limit sensor defective/disconnected/harness broken ▪ Bypass tray bottom plate lift motor defective/disconnected/harness broken ▪ Circuit board (PFB) error ▪ Bypass tray bottom plate/bottom plate drive unit does not move e.g. because physical obstacle (broken piece of the unit, etc.) is blocking operation.
		▪ Bypass tray bottom plate lift motor and bypass tray bottom plate upper limit sensor check/cleaning/replacement/harness reconnection/harness replacement ▪ Check or replace the circuit board (PFB). ▪ Check and/or replace the bypass tray bottom plate and bottom plate lift drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-03	B	Bypass tray lower limit error
		The bottom plate started CCW but the tray lower limit sensor did not become blocked within 3 seconds. If detected for the first or second time: User is instructed to set paper again. If detected for the third time: SC displayed The count of detections is reset when successful operation is detected and at power off/on.
		▪ Bypass tray lower limit sensor defective/disconnected/harness broken ▪ Bypass tray bottom plate lift motor defective/disconnected/harness broken ▪ Circuit board (PFB) error ▪ Bypass tray bottom plate/bottom plate drive unit does not move e.g. because physical obstacle (broken piece of the unit, etc.) is blocking operation.
		▪ Bypass tray bottom plate lift motor and bypass tray bottom plate lower limit sensor check/cleaning/replacement/harness reconnection/harness replacement ▪ Check or replace the circuit board (PFB). ▪ Check and/or replace the bypass tray bottom plate and bottom plate lift drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC509-04	B	Bypass tray Paper Set Error
		Both the upper limit sensor and the lower limit sensor were on when the machine attempted to adjust the bottom plate position before starting paper feed (at Job-In). If detected for the first to fourth time: User is instructed to set paper again. If detected for the fifth time: SC displayed (only the corresponding tray) The count of detections is reset when successful operation is detected and at power off/on.
		▪ Bypass tray upper limit sensor defective/disconnected/harness broken ▪ Circuit board (PFB) error ▪ Paper overloaded
		▪ Bypass tray upper limit sensor and lower limit sensor check/cleaning/replacement/harness reconnection/harness replacement ▪ Check or replace the circuit board (PFB). ▪ Check the paper capacity.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC520-02	C	Exit Motor: Lock
SC520-03	C	Duplex Inverter Entrance Motor: Lock
SC520-04	C	Exit Inverter Motor: Lock
		The motor error notification register is always monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.
		▪ Motor defective/connecter disconnected ▪ Harness broken/IOB defective ▪ Encoder defective ▪ Unit torque increased.
		▪ Replace the motor or connector. ▪ Replace the harness or IOB. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC521-01	C	Duplex Inverter Motor: Lock
SC521-02	C	Duplex Transport Motor: Lock
SC521-03	C	Duplex Exit Motor: Lock
		The motor error notification register is always monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.
		▪ Motor defective/connecter disconnected ▪ Harness broken/IOB defective ▪ Encoder defective ▪ Unit torque increased.
		▪ Replace the motor or connector. ▪ Replace the harness or IOB. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC522-01	C	1st Paper Feed Motor: Lock
SC522-03	C	2nd Paper Feed Motor: Lock
SC522-04	C	3rd Paper Feed Motor: Lock
		The motor error notification register is always monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.
		▪ Motor defective/connecter disconnected ▪ Harness broken/IOB defective ▪ Encoder defective ▪ Unit torque increased.
		▪ Replace the motor or connector. ▪ Replace the harness or IOB. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC523-01	C	1st Transport Motor: Lock
SC523-02	C	2nd Transport Motor: Lock
SC523-03	C	3rd Transport Motor: Lock
SC523-04	C	4th Transport Motor: Lock
		The motor error notification register is always monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.
		▪ Motor defective/connecter disconnected ▪ Harness broken/IOB defective ▪ Encoder defective ▪ Unit torque increased.
		▪ Replace the motor or connector. ▪ Replace the harness or IOB. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC524-01	C	Relay Motor: Lock
SC524-02	C	Registration Motor: Lock
SC524-03	C	Bypass Tray Feed Motor: Lock
		The motor error notification register is always monitored at 500 ms intervals. When a register indicates an error five times consecutively, the motor is assumed to be malfunctioning.
		▪ Motor defective/connecter disconnected ▪ Harness broken/IOB defective ▪ Encoder defective ▪ Unit torque increased.
		▪ Replace the motor or connector. ▪ Replace the harness or IOB. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC525-01	D	Drawer Unit Lock Motor Error
		Sensor signal did not change for 3000 msec while the drawer lock motor was running.
		▪ Drawer unit lock motor defective ▪ Drawer unit lock sensor defective ▪ Connecter disconnected ▪ Harness broken ▪ Circuit board defective
		▪ Replace the drawer unit lock motor. ▪ Replace the drawer unit lock sensor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the circuit board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC525-02	D	Drawer Unit Handle Sensor Error
		The drawer unit handle sensor was non-blocked for 90 seconds or longer.
		▪ Drawer unit handle sensor defective ▪ Connecter disconnected ▪ Harness broken ▪ Circuit board defective
		▪ Replace the drawer unit handle sensor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the circuit board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC526-01	D	Transport Motor 1 Rotation Error
SC526-02	D	Transport Motor 2 Rotation Error
		2 seconds after motor startup, the motor lock error signal (LOCK signal) was detected for 1200 msec or more.
		▪ Motor defective ▪ Harness broken ▪ Circuit board defective
		▪ Replace the motor. ▪ Reconnect the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC527-01	D	Cooling Fan Alarm 1
SC527-02	D	Cooling Fan Alarm 2
SC527-03	D	Cooling Fan Alarm 3
SC527-04	D	Cooling Fan Alarm

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC527-05	D	Exhaust Fan Alarm 1
SC527-06	D	Exhaust Fan Alarm 2
SC527-07	D	Exhaust Fan Alarm 3
SC527-08	D	Exhaust Fan Alarm 4

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC530-01	D	Fusing Pressure Roller Intake Fan Lock (D137/D138 only)
SC530-02	D	Fusing Pressure Roller Exhaust Fan Lock (D137/D138 only)
SC530-03	D	Heat Pipe Panel Intake Fan Lock
SC530-04	D	Heat Pipe Panel Exhaust Fan Lock
SC530-05	D	Fusing Exit Exhaust Fan Lock
SC530-06	D	ITB Cleaning Intake Fan Lock
SC530-07	D	IH Coil Cooling Fan Lock
SC530-08	D	PTR Fusing Exhaust Fan Lock
SC530-09	D	IH Coil Power Cooling Fan Lock
SC531-01	D	Development Intake Fan/Y Lock
SC531-02	D	Development Intake Fan/M Lock
SC531-03	D	Development Intake Fan/C Lock
SC531-04	D	Development Intake Fan/K Lock
SC531-05	D	Development Exhaust Fan/Right Lock
SC531-06	D	Development Exhaust Fan/Left Lock
SC532-02	D	Controller Exhaust Fan Lock
SC532-03	D	PSU Fan/Right Lock

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC532-04	D	PSU Fan/Left Lock
SC533-01	D	Laser Unit Cooling Fan/Right Lock
SC533-02	D	Laser Unit Cooling Fan/Left Lock
SC534-01	D	Duplex Exhaust Fan/Front Lock
SC534-02	D	Duplex Exhaust Fan/Rear Lock
SC534-03	D	Duplex Exhaust Fan/Middle Lock
SC535-02	D	Drive Exhaust Fan Lock
SC536-01	D	Paper cooling pipe fan lock
SC537-01	D	Ozone Exhaust Fan Lock
SC538-01	D	ID Sensor Cleaning Fan Lock
SC539-01	D	Paper Transport Belt Fan/Front Lock
SC539-02	D	Paper Transport Belt Fan/Rear Lock
		When a motor is on, the lock sensor is checked every 100 milliseconds. If lock signal is missing 51 times consecutively, the machine determines that the motor is not running correctly.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC587-00	D	Y Development Temperature Detection Error
		Temperature Sensor Output Error: 0.35V or lower (100 degrees centigrade or higher) or 3.07V or higher (-30 degrees centigrade or lower). Details: In case of a Temperature Sensor Output Error: 0.35V or lower (100 degrees centigrade or higher) or 3.07V or higher (-30 degrees centigrade or lower), the machine determines the sensor is malfunctioning and assumes that the temperature is 100 degrees centigrade. If the sensor is determined as malfunctioning 3 times consecutively (3 outputs, each of which is an average of 6 readings), the machine issues the SC and no longer use the sensor, using the assumed temperature "100 degrees centigrade" instead. However, the sensor is used again after power off/on.
		▪ Connecter disconnected or harness broken ▪ Sensor defective
		▪ Connecter disconnected or harness broken: Revert connection. ▪ Sensor defective: Replace the sensor.

5.10 SC500 (ENGINE: PAPER TRANSPORT 2: FUSING, ETC.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC540-00	A	Fusing Motor: Lock
		The IOB detects the fusing motor lock error (rotation speed out of specification). Vodka assignment: GPIO29DATA[7] Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC541-00	A	Sensor 1: Heating Roller Center Disconnection
		0 degrees or lower was detected for (t1) seconds consecutively. Number of times: 10 or more D135 (Japan): 50 (seconds) D136 (Japan)/D135 (NA): 50 (seconds) D136 (NA)/D135 (EU)/D136(EU): 50 (seconds) D137 (Japan): 50 (seconds) D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): 50 (seconds) Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Thermopile disconnection ▪ Connecter contact failure
		▪ Replace the thermopile. ▪ Reconnect the connector. ▪ Replace the connector. ▪ Replace the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-02	A	Sensor 1: Heating Roller Center: Reload Failure: Timeout 1
		Failed to reach (T2) degrees centigrade after (t4) seconds from the start of heater control. D135 (Japan):T2 = 80, t4 = 100 D136 (Japan)/D135 (NA): T2 = 80, t4 = 80 D136 (NA)/D135 (EU)/D136(EU): T2 = 80, t4 = 80 D137 (Japan): T2 = 80, t4 = 80 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T2 = 80, t4 = 80 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Thermopile lens smudged ▪ Input voltage out of specification
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the IH coil/IH inverter. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC542-03	A	Sensor 1: Heating Roller Center: Reload Failure: Timeout 2
		Failed to reach reload temperature after (t5) seconds from the start of heater control. D135 (Japan):t5 = 230 D136 (Japan)/D135 (NA): t5 = 230 D136 (NA)/D135 (EU)/D136(EU): t5 = 230 D137 (Japan): t5 = 230 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): t5 = 230 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)
		▪ IH malfunctioning ▪ Overheating prevention device worked.
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the IH coil/IH inverter. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC543-00	A	Sensor 1: Heating Roller Center: Overheat detection (software)
		(T3) degrees centigrade or higher was detected for (t6) seconds consecutively. Number of times: 10 or more D135 (Japan):T3 = 250, t6 = 1 D136 (Japan)/D135 (NA): T3 = 250, t6 = 1 D136 (NA)/D135 (EU)/D136(EU): T3 = 250, t6 = 1 D137 (Japan): T3 = 250, t6 = 1 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T3 = 250, t6 = 1 Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Triac shorted. ▪ IOB board defective.
		▪ Replace the IOB board. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC544-00	A	Heating Roller Center: Overheat detection (hardware)
		Hardware detection of overheat condition. The heating roller center thermopile was detected as the cause.
		▪ IOB defective ▪ Fuser control software running out of control ▪ Heating roller center thermopile defective ▪ IH inverter supplied continuously (software error or temperature sensor malfunctioning
		▪ After removing the cause of the SC, set "Fusing SC Clear" in the SP mode. ▪ If necessary, replace: IOB/heating roller center thermopile/IH coil/IH inverter.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-01	D	Zero Cross Error (Relay contact welded)
		When this error occurs, machine stops with fusing relay off and displays the SC.
		▪ Fusing relay defective (contact welded) ▪ Fusing relay drive circuit defective
		▪ Turn the main power off/on. ▪ If the fusing relay is damaged, replace the AC control board. ▪ Check the connection between the AC control board and the FSB (fusing IOB) and replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-02	D	Zero Cross Error (Relay contact defective)
		When this error occurs, the fusing heater trigger turns off and then, after a specified time, machine stops with fusing relay off and displays the SC.
		▪ Fusing relay defective (contact welded) ▪ Fusing relay drive circuit defective
		▪ Turn the main power off/on. ▪ If the fusing relay is damaged, replace the AC control board. ▪ Check the connection between the AC control board and the FSB (fusing IOB) and replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC547-03	D	Zero Cross Error (low frequency error)
		When this error occurs, the fusing heater trigger turns off and then, after a specified time, machine stops with fusing relay off and displays the SC.
		▪ Unstable commercial power supply frequency
		▪ Turn the main power off/on. ▪ If the fusing relay is damaged, replace the AC control board. ▪ Check the connection between the AC control board and the FSB (fusing IOB) and replace the harness and/or circuit board if necessary.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC548-00	A	Fusing rotation detection
		Blocking/non-blocking signal of the heating roller rotation sensor was not received within specified time.
		▪ The feeler for heating roller rotation detection deformed or broken. ▪ Fusing motor defective ▪ Heating roller rotation sensor defective ▪ IOB defective
		▪ After removing the cause of the SC, set "Fusing SC Clear" in the SP mode, and then turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC550-01	D	Refresh roller drive motor: Lock
		The IOB detects the fusing motor lock error (rotation speed out of specification). Vodka assignment: GPIO28DATA[7] Details: When the motor is on, each lock signal is checked every 100 milliseconds. If the High status is detected 20 times consecutively, the machine determines that the motor is not running correctly. The machine issues an SC and stops the motor.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ IOB defective ▪ Unit torque increased.
		▪ Replace the motor. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the IOB. ▪ Replace the unit. ▪ Replace the driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC551-00	A	Sensor 4: Pressure Roller Center Disconnection
		0 degrees or lower was detected for (t1) seconds consecutively. Number of times: 10 or more D135 (Japan): 75 (seconds) D136 (Japan)/D135 (NA): 75 (seconds) D136 (NA)/D135 (EU)/D136(EU): 75 (seconds) D137 (Japan): 75 (seconds) D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): 75 (seconds) Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Thermopile disconnection ▪ Connecter contact failure
		▪ Replace the thermopile. ▪ Reconnect the connector. ▪ Replace the connector. ▪ Replace the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-02	A	Sensor 4: Heating Roller Center: Reload Failure: Timeout 1
		Failed to reach (T2) degrees centigrade after (t4) seconds from the start of heater control. D135 (Japan):T2 = 45, t4 = 80 D136 (Japan)/D135 (NA): T2 = 45, t4 = 60 D136 (NA)/D135 (EU)/D136(EU): T2 = 45, t4 = 60 D137 (Japan): T2 = 45, t4 = 60 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T2 = 45, t4 = 60 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Thermistor deformed or floating ▪ Input voltage out of specification
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the pressure roller heater. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC552-03	A	Sensor 4: Heating Roller Center: Reload Failure: Timeout 2
		Failed to reach reload temperature after (t5) seconds from the start of heater control. D135 (Japan):t5 = 230 D136 (Japan)/D135 (NA): t5 = 230 D136 (NA)/D135 (EU)/D136(EU): t5 = 230 D137 (Japan): t5 = 230 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): t5 = 230 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)
		▪ Pressure heater malfunctioning ▪ Overheating prevention device worked.
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the pressure roller heater. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC553-00	A	Sensor 4: Pressure Roller Center: Overheat detection (software)
		(T3) degrees centigrade or higher was detected for (t6) seconds consecutively. Number of times: 10 or more D135 (Japan):T3 = 220, t6 = 1 D136 (Japan)/D135 (NA): T3 = 220, t6 = 1 D136 (NA)/D135 (EU)/D136(EU): T3 = 220, t6 = 1 D137 (Japan): T3 = 220, t6 = 1 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T3 = 220, t6 = 1 Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Triac shorted. ▪ IOB board defective.
		▪ Replace the IOB board. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC554-00	A	Pressure Roller Center: Overheat detection (hardware)
		Hardware detection of overheat condition. The pressure roller center thermopile was detected as the cause.
		▪ IOB defective ▪ Fuser control software running out of control ▪ Triac damaged (shorted). ▪ Pressure roller center thermopile defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ After removing the cause of the SC, Set "Fusing SC Clear" in the SP mode. ▪ If necessary, replace: IOB/pressure roller center thermopile/AC drive.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC555-00	A	Heater 2: Heater Continuously On (Sensor 4: Thermopile: Pressure Roller Center)
		Target temperature was not reached (t7) seconds after reload. Time elapsed after reload (excluding paper transport time) (t8) D135 (Japan): t7 = 90, t8 = 90 D136 (Japan)/D135 (NA): t7 = 90, t8 = 90 D136 (NA)/D135 (EU)/D136(EU): t7 = 90, t8 = 90 D137 (Japan): t7 = 90, t8 = 90 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): t7 = 90, t8 = 90 Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Thermopile detection error ▪ Heater disconnection ▪ Overheating prevention device worked.
		▪ Replace the thermopile. ▪ Replace the heater. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC557-00	C	Zero Cross Error (high frequency)
		- Details: The SC code is logged and the operation of the machine is not affected.
		▪ Unstable commercial power supply frequency
		No action required.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC559-00	A	Fusing jam: 3 counts
		Fusing jam (fusing exit sensor late jam) was detected 3 times consecutively. Details: This SC can be set ON/OFF. The factory setting is OFF; set it ON when requested by the customer. SP1-142-001: 0: OFF (factory setting) 1: ON (set by service personnel at the request of customer) This prevents collateral problems (such as thermistor floating) that may be caused by repeated jams in the fusing unit. ▪ The jam counter is not reset by power off/on. ▪ When paper is output successfully, the jam counter is reset.
		▪ Paper jam in the fusing unit ▪ Sensor defective
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC560-00	D	Web unit contact error
		Contact/separation control failed 3 times consecutively. Monitored when contact/separation mechanism is operating.
		▪ Web unit contact motor/sensor defective ▪ Feeler deformed or damaged ▪ Contact/separation mechanism defective
		▪ Replace the motor. ▪ Replace the sensor. ▪ Replace the feeler. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC561-00	A	Sensor 2: Heating Roller Front Disconnection
		0 degrees or lower was detected for (t1) seconds consecutively. Number of times: 10 or more D135 (Japan): 50 (seconds) D136 (Japan)/D135 (NA): 50 (seconds) D136 (NA)/D135 (EU)/D136(EU): 50 (seconds) D137 (Japan): 50 (seconds) D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): 50 (seconds) Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Thermistor disconnection ▪ Connecter contact failure
		▪ Replace the thermistor. ▪ Reconnect the connector. ▪ Replace the connector. ▪ Replace the connector.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-02	A	Sensor 2: Heating Roller Front: Reload Failure: Timeout 1
		Failed to reach (T2) degrees centigrade after (t4) seconds from the start of heater control. D135 (Japan):T2 = 45, t4 = 80 D136 (Japan)/D135 (NA): T2 = 45, t4 = 80 D136 (NA)/D135 (EU)/D136(EU): T2 = 45, t4 = 80 D137 (Japan): T2 = 45, t4 = 80 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T2 = 45, t4 = 80 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)
		▪ Thermopile lens smudged ▪ Thermistor deformed or floating ▪ Input voltage out of specification
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the IH coil/IH inverter. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC562-03	A	Sensor 2: Heating Roller Front: Reload Failure: Timeout 2
		Failed to reach reload temperature after (t5) seconds from the start of heater control. D135 (Japan):t5 = 350 D136 (Japan)/D135 (NA): t5 = 350 D136 (NA)/D135 (EU)/D136(EU): t5 = 350 D137 (Japan): t5 = 350 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): t5 = 350 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ IH malfunctioning ▪ Overheating prevention device worked.
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the IH coil/IH inverter. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC563-00	A	Sensor 2: Heating Roller Front: Overheat detection (software)
		(T3) degrees centigrade or higher was detected for (t6) seconds consecutively. Number of times: 10 or more D135 (Japan):T3 = 250, t5 = 1 D136 (Japan)/D135 (NA): T3 = 250, t5 = 1 D136 (NA)/D135 (EU)/D136(EU): T3 = 250, t5 = 1 D137 (Japan): T3 = 250, t5 = 1 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T3 = 250, t5 = 1 Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Triac shorted. ▪ IOB board defective.
		▪ Replace the IOB board. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC564-00	A	Heating Roller Front: Overheat detection (hardware)
		Hardware detection of overheat condition. The heating roller front thermistor was detected as the cause.
		▪ IOB defective ▪ Fuser control software running out of control ▪ Heating roller front thermistor defective ▪ IH inverter supplied continuously (software error or temperature sensor malfunctioning
		▪ After removing the cause of the SC, Set "Fusing SC Clear" in the SP mode. ▪ If necessary, replace: IOB/heating roller front thermistor/IH coil/IH inverter.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-02	D	Pressure Release Error: HP failed 3 times
		Pressure release/Home position/control failed 3 times consecutively. Monitored when the pressure release mechanism is operating. Pressure Change: SP1-151-001 1:On/0: Off When this SP is set to OFF, SC detection is disabled.
		▪ Pressure release motor, sensor defective ▪ Feeler deformed or damaged ▪ Pressure release mechanism defective
		▪ Replace the motor. ▪ Replace the sensor. ▪ Replace the feeler. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-03	D	Pressure Release Error: Overrun
		When sensor A shows Low and Sensor B shows High. Except when home position is detected. Monitored when the pressure release mechanism is operating. Pressure Change: SP1-151-001 1:On/0: Off When this SP is set to OFF, SC detection is disabled.
		▪ Pressure release motor, sensor defective ▪ Feeler deformed or damaged ▪ Pressure release mechanism defective
		▪ Replace the motor. ▪ Replace the sensor. ▪ Replace the feeler. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC569-04	D	Pressure Release Error: Overrun
		When "Sensor A: Low" is not detected within 1000 msec from the start of pressure application. Monitored when the pressure release mechanism is operating. Pressure Change: SP1-151-001 1:On/0: Off When this SP is set to OFF, SC detection is disabled.
		▪ Pressure release motor, sensor defective ▪ Feeler deformed or damaged ▪ Pressure release mechanism defective
		▪ Replace the motor. ▪ Replace the sensor. ▪ Replace the feeler. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC570-00	D	Refresh Roller Contact Error
		Contact/separation/control failed 3 times consecutively. Monitored when the contact/separation mechanism is operating.
		▪ Refresh roller contact motor, sensor defective ▪ Feeler deformed or damaged ▪ Contact/separation mechanism defective
		▪ Replace the motor. ▪ Replace the sensor. ▪ Replace the feeler. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC576-00	A	Sensor 6: Fusing Roller Front Side Disconnection
		0 degrees or lower was detected for (t1) seconds consecutively. Number of times: 10 or more D135 (Japan): 75 (seconds) D136 (Japan)/D135 (NA): 75 (seconds) D136 (NA)/D135 (EU)/D136(EU): 75 (seconds) D137 (Japan): 75 (seconds) D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): 75 (seconds) Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Thermopile disconnection ▪ Connecter contact failure
		▪ Replace the NC sensor. ▪ Reconnect the connector. ▪ Replace the connector. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC577-00	A	Sensor 6: Fusing Roller Front Side: Overheat detection (software)
		(T3) degrees centigrade or higher was detected for (t6) seconds consecutively. Number of times: 10 or more D135 (Japan):T3 = 250, t6 = 1 D136 (Japan)/D135 (NA): T3 = 250, t6 = 1 D136 (NA)/D135 (EU)/D136(EU): T3 = 250, t6 = 1 D137 (Japan): T3 = 250, t6 = 1 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): T3 = 250, t6 = 1 Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off).
		▪ Triac shorted. ▪ IOB board defective.
		▪ Replace the IOB board. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC579-00	A	Sensor 7: Fusing Roller Core Disconnection
		0 degrees or lower was detected for 1000 seconds consecutively. Number of times: 10 or more Monitored at: All times, though SC is not issued when temperature is not controlled (when in off mode/sleep mode, when a door, excluding the toner supply door, is open, or when the heater relay is off). Monitored only when SP1-107-024 is set to ON. SP1-107-024: 0: OFF (default) 1: ON
		▪ Thermistor disconnection ▪ Connecter contact failure
		▪ Replace the thermistor. ▪ Reconnect the connector. ▪ Replace the connector. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC580-03	A	Sensor 7: Fusing Roller Core: Reload Failure: Timeout 2
		Failed to reach reload temperature after (t5) seconds from the start of heater control. D135 (Japan):t5 = 2700 D136 (Japan)/D135 (NA): t5 = 2700 D136 (NA)/D135 (EU)/D136(EU): t5 = 2700 D137 (Japan): t5 = 2700 D138 (Japan)/D137 (NA)/D138 (NA)/D137 (EU)/D138 (EU): t5 = 230 Monitored at: Startup (Power-on, when a cover is closed, when fuser heater is under control)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ IH malfunctioning ▪ Overheating prevention device worked.
		▪ Replace the thermopile. ▪ Use with supported input voltage ▪ Replace the IH coil/IH inverter. ▪ Replace the unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC582-01	A	IGBT Overvoltage Error
		Error notification from the IH inverter with a command (0x64 bit 0)
		▪ Fusing unit defective ▪ IH inverter malfunctioning
		▪ After removing the cause of the SC, set "Fusing SC Clear" in the SP mode, and then turn the main power off/on. ▪ If necessary, replace: Fusing unit, IH inverter

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC582-02	A	▪ IH Input Voltage Error
		▪ Error notification from the IH inverter with a command (0x64 bit 1)
		▪ Input voltage abnormal ▪ Harness broken ▪ IH inverter defective ▪ IOB defective
		▪ After removing the cause of the SC, set "Fusing SC Clear" in the SP mode, and then turn the main power off/on. ▪ If necessary, replace: Harness, IH inverter, IOB

5.11 SC500 (ENGINE: PAPER TRANSPORT 3: FEED, DUPLEX, TRANSPORT, FUSING)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC511-01	C	Paper Thickness Sensor Error
		During initial calibration of the paper thickness sensor, the number of times the sensor failed to output an appropriate value reached 3. The counter is reset at the start of initial calibration.
		▪ Paper thickness sensor harness broken/connecter disconnected ▪ Paper thickness sensor dirty with paper dust, etc. ▪ Foreign object on the section of the roller which is used for paper thickness detection.
		▪ Check the harness and connector of the sensor. ▪ Clean or replace the sensor. ▪ Clean or replace the section of the roller which is used for paper thickness detection.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC511-02	C	Bypass Tray Paper Thickness Sensor Error
		During initial calibration of the bypass tray paper thickness sensor, the number of times the sensor failed to output an appropriate value reached 3. The counter is reset at the start of initial calibration.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Paper thickness sensor harness broken/connecter disconnected ▪ Paper thickness sensor dirty with paper dust, etc. ▪ Foreign object on the section of the roller which is used for paper thickness detection.
		▪ Check the harness and connector of the sensor. ▪ Clean or replace the sensor. ▪ Clean or replace the section of the roller which is used for paper thickness detection.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC514-00	D	Inverter Junction Gate Motor Error
		Inverter junction gate home position sensor did not turn on or off within 150msec from the start of home position detection operation (motor drive start). Details: If detected for the first or second time: ▪ During paper transport, this is not handled as a jam/SC; paper is fed normally and the error counter increases. ▪ Otherwise (during initialization), a jam alert is displayed to instruct the user to remove jammed paper, and the error counter increases. If detected for the third time: ▪ Displays the SC No. on the operation panel.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Inverter junction gate motor defective/connector disconnected/harness broken ▪ Inverter junction gate home position sensor defective/connector disconnected/harness broken ▪ Circuit board (PFB, DUB) defective ▪ Junction gate/junction gate drive unit does not move e.g. because physical obstacle (piece of paper, etc.) is blocking operation.
		▪ Inverter junction gate motor and inverter junction gate home position sensor check/cleaning/replacement/harness reconnection/harness replacement ▪ Check or replace the circuit board (PFB, DUB). ▪ Check and/or replace the inverter junction gate and inverter junction gate drive unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC515-01	B	Roller Shift Motor 1 Error
		When an error occurs during roller shift motor 1 home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel.
		▪ Roller shift motor 1 connector disconnected or defective ▪ Motor driver defective ▪ Roller home position sensor 1 connector disconnected or defective ▪ Roller shift motor 1 does not move because of overload which may be due to foreign objects, etc. ▪ Roller home position sensor 1 deformed, damaged or connected incorrectly

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Clean the roller home position sensor 1 and check its harness. ▪ Reconnect the connectors of roller shift motor 1 and roller home position sensor 1. ▪ Check and, if necessary, replace: roller shift motor 1, roller home position sensor 1, harness, circuit board (PFB, DUB), unit, driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC515-02	B	Roller Shift Motor 2 Error
		When an error occurs during roller shift motor 2 home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel.
		▪ Roller shift motor 2 connector disconnected or defective ▪ Motor driver defective ▪ Roller home position sensor 2 connector disconnected or defective ▪ Roller shift motor 2 does not move because of overload which may be due to foreign objects, etc. ▪ Roller home position sensor 2 deformed, damaged or connected incorrectly
		▪ Clean the roller home position sensor 2 and check its harness. ▪ Reconnect the connectors of roller shift motor 2 and roller home position sensor 2. ▪ Check and, if necessary, replace: roller shift motor 2, roller home position sensor 2, harness, circuit board (PFB, DUB), unit, driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC516-01	B	Sensor Shift Motor Home Position Error
		When an error occurs during sensor shift motor home position detection, the machine handles it as a jam (JAM097) and stops operation, and displays the SC No. on the control panel.
		▪ Sensor shift motor connector disconnected or defective ▪ Motor driver defective ▪ Sensor shift home position sensor connector disconnected or defective ▪ Sensor shift motor does not move because of overload which may be due to foreign objects, etc. ▪ Sensor shift home position sensor deformed, damaged or connected incorrectly
		▪ Clean the sensor shift home position sensor and check its harness. ▪ Reconnect the connectors of sensor shift motor and sensor shift home position sensor. ▪ Check and, if necessary, replace: sensor shift motor, sensor shift home position sensor, harness, circuit board (PFB, DUB), unit, driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC516-02	B	Sensor Shift Motor Edge Detection Error
		When an error occurs during sensor shift motor edge detection, the machine handles it as a jam (JAM097) the first two times and displays the SC No. on the control panel the third time.
		▪ Sensor shift motor connector disconnected or defective ▪ Motor driver defective ▪ Edge detection sensor connector disconnected or defective ▪ Sensor shift motor does not move because of overload which may be due to foreign objects, etc. ▪ Sensor shift home position sensor deformed, damaged or connected incorrectly ▪ Wrong paper size
		▪ Load paper again. ▪ Clean the edge detection sensor and check its harness. ▪ Reconnect the connectors of sensor shift motor and edge detection sensor. ▪ Check and, if necessary, replace: sensor shift motor, edge detection sensor, harness, circuit board (PFB, DUB), unit, driven unit.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC595-00	D	TDCU Hardware Error
		Command notification from the TDCU.
		▪ STM defective, brush motor defective, harness disconnected
		▪ Replace the TDCU, harness, and motor.

5.12 SC500 (ENGINE: OTHERS)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC581-00	D	Secondary Power Cord Not Connected
		The main power cord is connected but the secondary power cord is not connected.
		The secondary power cord is not connected.
		▪ Turn the machine off and plug in the secondary power cord again. ▪ Replace the harness. ▪ Replace the AC drive/IOB.

5.13 SERVICE CALL 620-689

5.13.1 SC600 (ENGINE: COMMUNICATION AND OTHERS)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC620-01	D	ADF Communication Error
SC620-02	D	ADF Communication Error
		Communication error between the main machine and ADF connected with ASAP. SC620-01: A BREAK was detected after a successful connection. SC620-02: Communication timeout after a successful connection. Details: SC is issued when an error is detected after ADF connection was recognized at power-on. There will be no response either, if the ADF was not connected at power-on. In this case, however, SC is not issued and functions that do not use the ADF (copying from the exposure glass) are available.
		▪ ADF connection fault. ▪ ADF defective ▪ IPU board defective ▪ Electrical noise on the line
		▪ Check ADF cable connection. ▪ Replace the ADF. ▪ Replace the IPU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC621-00	D	Finisher/mail box communication error
		Detected an error when connecting the communication line. Received a communication error notification from the URAT.
		▪ Finisher control board defective. ▪ BCU or IOB defective ▪ Connection fault between finisher and main machine.
		▪ Reconnect the Finisher/mail box interface cable. ▪ Replace the BCU or replace the finisher/mail box ▪ Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC622-00	D	Paper bank communication error.
		Communication error between main machine and paper bank/LCT.
		▪ Paper bank control board defective. ▪ BCU or IOB defective ▪ Paper bank-main machine connection fault.
		▪ Reconnect the paper bank connection cable. / Replace the BCU./Replace the paper bank. ▪ Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC625-00	D	TDCU communication error.
		ASAP communication protocol error ▪ A BREAK signal was detected at power-on. ▪ Non-response (100 ms) was detected 3 times consecutively during normal operation. ▪ NAK was received 3 times before ACK was received during normal operation. ▪ A BREAK signal was detected during normal operation.
		▪ IOB defective
		▪ Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-01	D	DUB communication error at power-on
SC626-02	D	DUB communication error during normal operation
SC626-03	D	DUB BREAK detection during normal operation
		ASAP communication protocol error ▪ A BREAK signal was detected at power-on. ▪ Non-response (100 ms) was detected 3 times consecutively during normal operation. ▪ NAK was received 3 times before ACK was received during normal operation. ▪ A BREAK signal was detected during normal operation.
		▪ DUB defective ▪ PFB defective ▪ Harness between DUB and PFB broken ▪ Connecter between DUB and PFB disconnected ▪ Unintended electrical noise
		▪ Replace the DUB. ▪ Replace the PFB. ▪ Replace the harness between DUB and PFB. ▪ Replace the connector between DUB and PFB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-04	D	TSB communication error at power-on
SC626-05	D	TSB communication error during normal operation

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC626-06	D	TSB BREAK detection during normal operation
		ASAP communication protocol error ▪ A BREAK signal was detected at power-on. ▪ Non-response (100 ms) was detected 3 times consecutively during normal operation. ▪ NAK was received 3 times before ACK was received during normal operation. ▪ A BREAK signal was detected during normal operation.
		▪ TSB defective ▪ IOB defective ▪ Harness between TSB and IOB broken ▪ Connecter between TSB and IOB disconnected ▪ Unintended electrical noise
		▪ Replace the TSB. ▪ Replace the IOB. ▪ Replace the harness between TSB and IOB. ▪ Replace the connector between TSB and IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-01	D	VODKA SRAM program expansion error
SC664-02	D	
SC664-03	D	
		VODKA1 SC664-01: VODKA SRAM access permission error (Write permission denied) SC664-02: VODKA SRAM write error (write result abnormal) SC664-03: VODKA program startup error
		▪ Electric noises and hardware defect
		▪ IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-11	D	VODKA SRAM program expansion error
SC664-12	D	
SC664-13	D	
		VODKA2 SC664-11: VODKA SRAM access permission error (Write permission denied) SC664-12: VODKA SRAM write error (write result abnormal) SC664-13: VODKA program startup error
		▪ Electric noises and hardware defect
		▪ IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-21	D	VODKA SRAM program expansion error
SC664-22	D	
SC664-23	D	
		VODKA3 SC664-21: VODKA SRAM access permission error (Write permission denied) SC664-22: VODKA SRAM write error (write result abnormal) SC664-23: VODKA program startup error
		▪ Electric noises and hardware defect
		▪ IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-31	D	VODKA SRAM program expansion error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-32	D	
SC664-33	D	
		VODKA4 SC664-31: VODKA SRAM access permission error (Write permission denied) SC664-32: VODKA SRAM write error (write result abnormal) SC664-33: VODKA program startup error
		▪ Electric noises and hardware defect
		▪ IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC664-41	D	VODKA SRAM program expansion error
SC664-42	D	
SC664-43	D	
		VODKA5 SC664-41: VODKA SRAM access permission error (Write permission denied) SC664-42: VODKA SRAM write error (write result abnormal) SC664-33: VODKA program startup error
		▪ Electric noises and hardware defect
		▪ IOB replacement, harness check

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-01	D	FFC set detection (Error between IPU and BCU)
		The HORUS port on the BCU is used for FFC connection detection to detect FFC (harness) disconnection and loose connection between BCU and IPU. By checking the "H" or "L" status of this port, the connection status can be checked. ▪ Normal condition (Connector connected): "H" at the HORUS port on the BCU. ▪ Abnormal condition (Connector not connected): "L" at the HORUS port on the BCU. Details: ▪ When a connector is disconnected, the voltage level becomes "L" level (0V level) because there is a pull-down resistor in the BCU.
		▪ FFC harness between BCU and IPU broken ▪ FFC harness between BCU and IPU not connected fully ▪ BCU damaged ▪ IPU damaged
		▪ Replace the FFC harness between BCU and IPU. ▪ Reconnect the FFC harness between BCU and IPU. ▪ Replace the BCU board. ▪ Replace the IPU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-02	D	FFC set detection (Error between BCU and IOB)
		The HORUS port on the BCU is used for FFC connection detection to detect FFC (harness) disconnection and loose connection between BCU and IOB. By checking the voltage level of the AD terminal, the connection status can be checked. Details: ▪ When the harness between BCU and IOB becomes disconnected, the number of parallelly connected resistors changes and therefore the voltage input to the AD terminal changes.
		▪ FFC harness between BCU and IOB broken ▪ FFC harness between BCU and IOB not connected fully ▪ BCU damaged ▪ IOB damaged
		▪ Replace the FFC harness between BCU and IOB. ▪ Reconnect the FFC harness between BCU and IOB. ▪ Replace the BCU board. ▪ Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-03	D	FFC set detection (Error between IOB and PFB)
		The HORUS port on the BCU is used for FFC connection detection to detect FFC (harness) disconnection and loose connection between IOB and PFB. By checking the voltage level of the AD terminal, the connection status can be checked. Details: ▪ When the harness between IOB and PFB becomes disconnected, the number of parallelly connected resistors changes and therefore the voltage input to the AD terminal changes.
		▪ FFC harness between IOB and PFB broken ▪ FFC harness between IOB and PFB not connected fully ▪ BCU damaged ▪ IOB damaged ▪ PFB damaged
		▪ Replace the FFC harness between IOB and PFB. ▪ Reconnect the FFC harness between IOB and PFB. ▪ Replace the BCU board. ▪ Replace the IOB. ▪ Replace the PFB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC665-04	D	IOB does not start
		The IOB_WAKE signal of the IOB and the PFB is not "WAKE". (Occurs when either 2 Vodkas in the IOB or 3 Vodkas in the PFB are in the reset status. Details: ▪ Detected when IOB_WAKE signal from the 2 Vodkas on the IOB (PIB function, FSB function) and 3 Vodkas on the FSB stay in the WAKE status. ▪ IOB_WAKE signal is output from 5 Vodkas as explained above and if at least one of them is "WAKE", IOB_WAKE is not canceled.
		▪ IOB damaged ▪ PFB damaged ▪ BCU defective ▪ Harness between BCU and IOB: Ground fault ▪ Harness between IOB and PFB: Ground fault ▪ PSU5V not output
		▪ Replace the harness between IOB and PFB. ▪ Replace the harness between BCU and IOB. ▪ Replace the IOB. ▪ Replace the PFB. ▪ Replace the BCU board. ▪ Replace the PSU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669		EEPROM Communication Error
SC669-01	D	EEPROM OPEN: ID error
SC669-02	D	EEPROM OPEN: Channel error
SC669-03	D	EEPROM OPEN: Device error
SC669-04	D	EEPROM OPEN: Communication abort error
SC669-05	D	EEPROM OPEN: Communication timeout error
SC669-06	D	EEPROM OPEN: Operation stopped error
SC669-07	D	EEPROM OPEN: Buffer full
SC669-08	D	EEPROM OPEN: No error code
SC669-09	D	EEPROM CLOSE: ID error
SC669-10	D	EEPROM CLOSE: No error code
SC669-11	D	EEPROM Data write: ID error
SC669-12	D	EEPROM Data write: Channel error
SC669-13	D	EEPROM Data write: Device error
SC669-14	D	EEPROM Data write: Communication abort error
SC669-15	D	EEPROM Data write: Communication timeout error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC669-16	D	EEPROM Data write: Operation stopped error
SC669-17	D	EEPROM Data write: Buffer full
SC669-18	D	EEPROM Data write: No error code
SC669-19	D	EEPROM Data read: ID error
SC669-20	D	EEPROM Data read: Channel error
SC669-21	D	EEPROM Data read: Device error
SC669-22	D	EEPROM Data read: Communication abort error
SC669-23	D	EEPROM Data read: Communication timeout error
SC669-24	D	EEPROM Data read: Operation stopped error
SC669-25	D	EEPROM Data read: Buffer full
SC669-26	D	EEPROM Data read: No error code
SC669-27	D	EEPROM Device detection: ID error
SC669-28	D	EEPROM Device detection: Channel error
SC669-29	D	EEPROM Device detection: Device error
SC669-30	D	EEPROM Device detection: Communication abort error
SC669-31	D	EEPROM Device detection: Communication timeout error
SC669-32	D	EEPROM Device detection: Operation stopped error
SC669-33	D	EEPROM Device detection: Buffer full
SC669-34	D	EEPROM Device detection: No error code
		Received a error notification during EEPROM communication and does not resume after 3 retries.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Electrical noise ▪ EEPROM not connected fully ▪ EEPROM not installed ▪ EEPROM damaged ▪ BCU damaged
		▪ Cycle the machine off/on. ▪ Reconnect the EEPROM. ▪ Replace the EEPROM. ▪ Replace the BCU.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC681		Toner Cartridge: ID Chip Communication Error
SC681-01	D	Toner Supply: ID Chip Communication Error (K_Invalid Device ID)
SC681-02	D	Toner Supply: ID Chip Communication Error (M_Invalid Device ID)
SC681-03	D	Toner Supply: ID Chip Communication Error (C_Invalid Device ID)
SC681-04	D	Toner Supply: ID Chip Communication Error (Y_Invalid Device ID)
SC681-05	D	Toner Supply: ID Chip Communication Error (K_Channel error (e.g. bus disconnection))
SC681-06	D	Toner Supply: ID Chip Communication Error (M_Channel error (e.g. bus disconnection))
SC681-07	D	Toner Supply: ID Chip Communication Error (C_Channel error (e.g. bus disconnection))
SC681-08	D	Toner Supply: ID Chip Communication Error (Y_Channel error (e.g. bus disconnection))

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC681-09	D	Toner Supply: ID Chip Communication Error (K_Device Error (No ID chip))
SC681-11	D	Toner Supply: ID Chip Communication Error (M_Device Error (No ID chip))
SC681-12	D	Toner Supply: ID Chip Communication Error (C_Device Error (No ID chip))
SC681-13	D	Toner Supply: ID Chip Communication Error (Y_Device Error (No ID chip))
SC681-14	D	Toner Supply: ID Chip Communication Error (K_Communication aborted (error during communication))
SC681-16	D	Toner Supply: ID Chip Communication Error (M_Communication aborted (error during communication))
SC681-17	D	Toner Supply: ID Chip Communication Error (C_Communication aborted (error during communication))
SC681-18	D	Toner Supply: ID Chip Communication Error (Y_Communication aborted (error during communication))
SC681-19	D	Toner Supply: ID Chip Communication Error (K_Communication timeout)
SC681-21	D	Toner Supply: ID Chip Communication Error (M_Communication timeout)
SC681-22	D	Toner Supply: ID Chip Communication Error (C_Communication timeout)
SC681-23	D	Toner Supply: ID Chip Communication Error (Y_Communication timeout)
SC681-24	D	Toner Supply: ID Chip Communication Error (K_Device stopped (logically stopped))

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC681-26	D	Toner Supply: ID Chip Communication Error (M_Device stopped (logically stopped))
SC681-27	D	Toner Supply: ID Chip Communication Error (C_Device stopped (logically stopped))
SC681-28	D	Toner Supply: ID Chip Communication Error (Y_Device stopped (logically stopped))
SC681-29	D	Toner Supply: ID Chip Communication Error (K_Requested buffer full)
SC681-31	D	Toner Supply: ID Chip Communication Error (M_Requested buffer full)
SC681-32	D	Toner Supply: ID Chip Communication Error (C_Requested buffer full)
SC681-33	D	Toner Supply: ID Chip Communication Error (Y_Requested buffer full)
SC681-34	D	Toner Supply: ID Chip Communication Error (K_No error code)
SC681-35	D	Toner Supply: ID Chip Communication Error (M_No error code)
SC681-36	D	Toner Supply: ID Chip Communication Error (C_No error code)
SC681-37	D	Toner Supply: ID Chip Communication Error (Y_No error code)
SC681-38	D	Toner Supply: ID Chip Communication Error (K_Invalid Device ID)
SC681-39	D	Toner Supply: ID Chip Communication Error (M_Invalid Device ID)
		Errors defined in I2C communication ▪ When abnormality occurs at cable connection ▪ When error notification was received during communication with the tag and operation is not resumed after 3 retries.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		There was an error during (wired) communication with the ID chip on the toner bottle. SC681-01 to 04: Device ID data corrupted. SC681-06 to 09: Contact fault (e.g. Bus disconnection) SC681-11 to 14: No ID chip SC681-16 to 19/21 to 24/26 to 39: Noise SC681-31 to 34/36 to 39: Software problem ▪ Toner supply set error ▪ ID chip defective ▪ Harness broken ▪ BCU damaged ▪ IOB damaged ▪ TSB damaged ▪ TCB damaged ▪ Unintended noise
		▪ Cycle the machine off/on. ▪ Set the toner supply again. ▪ Replace the ID chip. ▪ Fix the harness. ▪ Replace the BCU board. ▪ Replace the IOB. ▪ Replace the TSB. ▪ Replace the TCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682		PCU: ID Chip Communication Error
SC682-01	D	PCU: ID Chip Communication Error(K_Invalid Device ID)
SC682-02	D	PCU: ID Chip Communication Error(M_Invalid Device ID)
SC682-03	D	PCU: ID Chip Communication Error(C_Invalid Device ID)
SC682-04	D	PCU: ID Chip Communication Error(Y_Invalid Device ID)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682-05	D	PCU: ID Chip Communication Error(K_Channel error (e.g. bus disconnection))
SC682-06	D	PCU: ID Chip Communication Error(M_Channel error (e.g. bus disconnection))
SC682-07	D	PCU: ID Chip Communication Error(C_Channel error (e.g. bus disconnection))
SC682-08	D	PCU: ID Chip Communication Error(Y_Channel error (e.g. bus disconnection))
SC682-09	D	PCU: ID Chip Communication Error(K_Device Error (No ID chip))
SC682-11	D	PCU: ID Chip Communication Error(M_Device Error (No ID chip))
SC682-12	D	PCU: ID Chip Communication Error(C_Device Error (No ID chip))
SC682-13	D	PCU: ID Chip Communication Error(Y_Device Error (No ID chip))
SC682-14	D	PCU: ID Chip Communication Error(K_Communication aborted (error during communication))
SC682-16	D	PCU: ID Chip Communication Error(M_Communication aborted (error during communication))
SC682-17	D	PCU: ID Chip Communication Error(C_Communication aborted (error during communication))
SC682-18	D	PCU: ID Chip Communication Error(Y_Communication aborted (error during communication))
SC682-19	D	PCU: ID Chip Communication Error(K_Communication timeout)
SC682-21	D	PCU: ID Chip Communication Error(M_Communication timeout)
SC682-22	D	PCU: ID Chip Communication Error(C_Communication timeout)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC682-23	D	PCU: ID Chip Communication Error(Y_Communication timeout)
SC682-24	D	PCU: ID Chip Communication Error(K_Device stopped (logically stopped))
SC682-26	D	PCU: ID Chip Communication Error(M_Device stopped (logically stopped))
SC682-27	D	PCU: ID Chip Communication Error(C_Device stopped (logically stopped))
SC682-28	D	PCU: ID Chip Communication Error(Y_Device stopped (logically stopped))
SC682-29	D	PCU: ID Chip Communication Error(K_Requested buffer full)
SC682-31	D	PCU: ID Chip Communication Error(M_Requested buffer full)
SC682-32	D	PCU: ID Chip Communication Error(C_Requested buffer full)
SC682-33	D	PCU: ID Chip Communication Error(Y_Requested buffer full)
SC682-34	D	PCU: ID Chip Communication Error(K_No error code)
SC682-35	D	PCU: ID Chip Communication Error(M_No error code)
SC682-36	D	PCU: ID Chip Communication Error(C_No error code)
SC682-37	D	PCU: ID Chip Communication Error(Y_No error code)
SC682-38	D	PCU: ID Chip Communication Error(K_Invalid Device ID)
SC682-39	D	PCU: ID Chip Communication Error(M_Invalid Device ID)
		Errors defined in I2C communication ▪ When abnormality occurs at cable connection ▪ When error notification was received during communication with the tag and operation is not resumed after 3 retries.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		There was an error during (wired) communication with the ID chip on the toner bottle. ▪ PCU set error ▪ HST sensor defective ▪ Harness broken ▪ BCU damaged ▪ IOB damaged ▪ Unintended noise
		▪ Set the PCU again. ▪ Replace the HST sensor. ▪ Fix the harness. ▪ Replace the BCU board. ▪ Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC684		Fusing: ID Chip Communication Error
SC684-01	D	Fusing: ID Chip Communication Error(Invalid Device ID)
SC684-02	D	Fusing: ID Chip Communication Error(Channel error (e.g. bus disconnection))
SC684-03	D	Fusing: ID Chip Communication Error(Device Error (No ID chip))
SC684-04	D	Fusing: ID Chip Communication Error(Communication aborted (error during communication))
SC684-05	D	Fusing: ID Chip Communication Error(Communication timeout)
SC684-06	D	Fusing: ID Chip Communication Error(Device stopped (logically stopped))
SC684-07	D	Fusing: ID Chip Communication Error(Requested buffer full)
SC684-08	D	Fusing: ID Chip Communication Error(No error code)
		Errors defined in I2C communication

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Fusing unit set error ▪ ID chip defective ▪ Harness broken ▪ IOB damaged ▪ Unintended noise
		▪ Set the fusing unit again. ▪ Replace the ID chip. ▪ Fix the harness. ▪ Replace the IOB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC685-00	D	DC Power Supply Voltage Error
		Uses the power supply status signal monitored by the VODKA on the IOB. Tracks for 1 second from the time the converter SW trigger turns ON (SWTRG1=0 to 1). Target: 24VS1-N
		▪ PSU malfunctioning ▪ IOB malfunctioning ▪ Connecter disconnected ▪ Harness broken or ground fault ▪ Load fault
		▪ Replace the PSU. ▪ Replace the IOB. ▪ Set the connector again. ▪ Replace the harness. ▪ Replace the part where ground fault occurred. ▪ Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC687-00	D	PER Not Received Error
		Unable to receive the PER command from the controller.
		▪ Communication error
		▪ Cycle the machine off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC689-00	D	IH Inverter Communication Error
		IH inverter not responding to request IH inverter communication error (ASAP IV compliant) IH inverter response information unavailable
		▪ Harness broken ▪ IH inverter defective ▪ IOB defective
		▪ Remove the cause of the SC and then turn off/on the power or main power. ▪ Replace the harness/IH inverter/IOB as required.

5.14 SC600 (CONTROLLER)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC632-00	B	Counter device error 1
		After 3 attempts to send a data frame to the optional counter device via the serial communication line, no ACK signal was received within 100 ms.
		Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged.
		▪ Turn the main power off/on. ▪ Check the serial communication line.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC633-00	B	Counter device error 2
		After communication was established, the controller received the brake signal from the accounting device.
		Serial line between the optional counter device, the relay board and copier control board is disconnected or damaged.
		▪ Turn the main power off/on. ▪ Check the serial communication line.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC634-00	B	Counter device error 3
		A backup RAM error was returned by the counter device.
		Counter device control board or the backup battery of counter device defective
		▪ Replace the counter device control board. ▪ Replace the backup battery.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC635-00	B	Counter device error 4
		A backup battery error was returned by the counter device.
		Counter device control board or the backup battery of counter device defective
		▪ Replace the counter device control board. ▪ Replace the backup battery.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-01	D	IC Card Error (Expanded authentication module error)
		Issued when expanded authentication management is set to "ON" but either of the following occur. ▪ There is no expanded authentication module in the machine. ▪ The SD card or the file of the expanded authentication module is broken. ▪ There is no DESS module in the machine.
		▪ There is no DESS module in the machine (models on which the function is optional). ▪ There is no expanded authentication module in the machine. ▪ The SD card or the file of the expanded authentication module is broken.
		▪ Set a working SD card/expanded authentication module file. ▪ Install the DESS module. ▪ In the SSP mode set SP5-401-160 to 0. ▪ In the SSP mode, set SP5-401-161 to 0. ▪ Replace the NVRAM.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-02	D	IC Card Error (Version error)
		The version of the expanded authentication module is not correct.
		Incorrect module version
		Install the correct file of the expanded authentication module.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC636-11	D	IC Card Error (OSM user code file error)
		▪ The correct "usercode" file could not be found in the root folder of the SD card. ▪ The "usercode" file on the SD card could not be read.
		▪ The "usercode" file does not exist on the SD card. ▪ The "usercode" file on the SD card is an invalid file. ▪ Data in the "usercode" file on the SD card is invalid. ▪ "usercode" file was not moved when moving the application to another SD card
		Use the user code configuration tool for OSM users (Idissuer.exe) to create the "usercode" and store it in the root folder of the SD card containing the IC card module (eccm.mod).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC637-01	D	Tracking Information Notification Error (Tracking application error)
		Tracking information was lost.
		▪ Tracking SDK application error ▪ Internal notification error
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC637-02	D	Tracking Information Notification Error (Management server error)
		Tracking information was lost.
		Communication with tracking management server failed. ▪ Network error ▪ tracking management server error ▪ Tracking SDK application error
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-01	B	Remote Service Modem Communication Error (Dialup authentication failure)
		▪ An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. ▪ Displayed only when an error is detected while RC Gate is operating. ▪ SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Dialup authentication failure
		Check the following SPs. ▪ SP5-816-156 ▪ SP5-816-157

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-04	B	Remote Service Modem Communication Error (dialup failing because of incorrect modem configuration)
		▪ An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. ▪ Displayed only when an error is detected while RC Gate is operating. ▪ SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Dialup failing because of incorrect modem configuration
		Check if the setting of SP5-816-160 is correct. If it is correct, then there is a software bug.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-05	B	Remote Service Modem Communication Error (insufficient current or connection fault)
		▪ An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. ▪ Displayed only when an error is detected while RC Gate is operating. ▪ SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		Insufficient current or connection fault
		The line is not supported and nothing can be done.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-13	B	Remote Service Modem Communication Error (RC Gate Type Mwas installed but modem is not present (detected during operation))
		▪ An error related to communication (dialup connection, modem board etc.) using the RC Gate Type M was detected or an error that prevents RC Gate operation was detected at power on. ▪ Displayed only when an error is detected while RC Gate is operating. ▪ SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		RC Gate Type Mwas installed but modem is not present (detected during operation)
		▪ 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC650-14	B	Remote Service Modem Communication Error (RC Gate Type N was installed but modem is present or wired/wireless LAN is not working correctly)
		▪ An error related to communication (dialup connection, modem board etc.) using the RC Gate was detected or an error that prevents RC Gate operation was detected at power on. ▪ Displayed only when an error is detected while RC Gate is operating. ▪ SC is not issued if an error occurs during RC Gate installation (because it can be referenced using SP).
		RC Gate Type N was installed but modem is present or wired/wireless LAN is not working correctly
		▪ If a modem board is attached, remove it. ▪ Check if wired/wireless LAN works.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC651-01	C	Illegal Remote Service Dial-up (Chat program parameter error)
		An unexpected error occurred when RC Gate Type M dialed up the NRS Center.
		Software bug
		Logging only.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC651-02	C	Illegal Remote Service Dial-up (Chat program execution error)
		An unexpected error occurred when RC Gate dialed up the NRS Center.
		Software bug
		Logging only.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC652-00	D	Remote service ID2 mismatching
		There was an authentication mismatch between ID2 for @Remote, the controller board, and NVRAM.
		▪ Used controller board installed ▪ Used NVRAM installed (such action is not allowed.)
		▪ 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC653-00	D	Incorrect remote service ID2
		ID2 stored in the NVRAM has either of the following problems. ▪ Number of characters is not 17. ▪ Includes a character that cannot be printed. ▪ All spaces ▪ NULL
		Replace the NVRAM.
		Clear the RC Gate install status, write the common certificate, and then begin installation again.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC670-00	D	Engine start up error
		▪ Case 1 ▪ /ENGRDY signal was not asserted when the machine was turned on or returned from energy saver mode. ▪ /IPURDY signal was not asserted when the machine was turned on or returned from energy saver mode. ▪ EC response was not received within specified time from power on. ▪ PC response was not received within specified time from power on. ▪ SC response was not received within specified time from power on. ▪ Writing to Rapi driver failed (the other party not found through PCI). ▪ Case 2 ▪ Unexpected down status was detected after /ENGRDY assertion.
		▪ Case 1 ▪ Engine board does not start up. ▪ Case 2 ▪ Engine board reset unexpectedly.
		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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-10	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established.
		▪ Controller stalled ▪ Board installed incorrectly ▪ Controller board defective ▪ Operation panel connector loose, broken, or defective ▪ Controller late
		▪ Turn the main power off/on. ▪ Check the connection of the controller board. ▪ Replace the controller board. ▪ Check the control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-11	D	Controller start up error
		After the machine was powered on, communication between the controller and the operation panel was not established, or communication with controller was interrupted after a normal startup.
		▪ Controller stalled ▪ Board installed incorrectly ▪ Controller board defective ▪ Operation panel connector loose, broken, or defective ▪ Controller late
		▪ Turn the main power off/on. ▪ Check the connection of the controller board. ▪ Replace the controller board. ▪ Check the control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-12	D	Controller start up error
		Communication with controller was interrupted after a normal startup.
		▪ Controller stalled ▪ Board installed incorrectly ▪ Controller board defective ▪ Operation panel connector loose, broken, or defective ▪ Controller late
		▪ Turn the main power off/on. ▪ Check the connection of the controller board. ▪ Replace the controller board. ▪ Check the control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-13	D	Controller start up error
		The operation panel detected that the controller is down.
		▪ Controller stalled ▪ Board installed incorrectly ▪ Controller board defective ▪ Operation panel connector loose, broken, or defective ▪ Controller late
		▪ Turn the main power off/on. ▪ Check the connection of the controller board. ▪ Replace the controller board. ▪ Check the control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC672-99	D	Controller start up error
		The operation panel software ended abnormally.
		▪ Controller stalled ▪ Board installed incorrectly ▪ Controller board defective ▪ Operation panel connector loose, broken, or defective ▪ Controller late
		▪ Turn the main power off/on. ▪ Check the connection of the controller board. ▪ Replace the controller board. ▪ Check the control panel harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC673-10	D	Connection error of Smart Operation Panel
		The main machine does not respond to the smart operation panel.
		The SP setting for the smart operation panel is mismatch.
		▪ Set the SP5748-201 (OpePanel Setting) to [1: ON].

5.15 SERVICE CALL 700-780

5.15.1 SC700 (ENGINE: PERIPHERALS)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-01	D	Bottom plate lift motor error (1-pass ADF)
		The bottom plate HP sensor does not detect the home position of the bottom plate after the bottom plate lift motor switches on and lowers the bottom plate. Or, the bottom plate position sensor does not detect the position of the plate after the lift motor switches on and raises the bottom plate. Details: The ADF notifies the main machine of the error. The first two occurences are displayed as jams.
		▪ Bottom plate position sensor output error ▪ Bottom plate HP sensor output error ▪ Bottom plate lift motor error (does not rotate) ▪ ARDF main board defective
		▪ Check the connections of the sensor harnesses and motor harnesses. ▪ Replace the sensor harnesses and motor harnesses. ▪ Replace the sensor or motor. ▪ Replace the ARDF main board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-02	D	Original pick up error (1-pass ADF)
		The pick-up motor is turned on but the pick-up home position sensor is not detecting it. Details: The ADF notifies the main machine of the error. The first two occurences are displayed as jams.
		▪ Pick-up HP sensor output error ▪ Pick-up motor error (does not rotate) ▪ ARDF main board defective
		▪ Check the connections of the sensor harnesses and motor harnesses. ▪ Replace the sensor harnesses and motor harnesses. ▪ Replace the sensor or motor. ▪ Replace the ARDF main board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-04	D	Feed motor error (1-pass ADF)
		Error signal detected while the motor is driven. Details: When encoder channel A (B) error or overload error is detected among the feed motor error notification registers. The first two occurences, however, are displayed as jams.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ Overload
		▪ Check the harness connection. ▪ Replace the encoder harness. ▪ Replace the motor. ▪ Replace the board. ▪ Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-05	D	Pull-out motor error (1-pass ADF)
		Error signal detected while the motor is driven. Details: When encoder channel A (B) error or overload error is detected among the pull-out motor error notification registers. The first two occurences, however, are displayed as jams.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ Overload
		▪ Check the harness connection. ▪ Replace the encoder harness. ▪ Replace the motor. ▪ Replace the board. ▪ Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-06	D	Intermediate motor error (1-pass ADF)
		Error signal detected while the motor is driven. Details: When encoder channel A (B) error or overload error is detected among the intermediate motor error notification registers. The first two occurences, however, are displayed as jams.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ Overload
		▪ Check the harness connection. ▪ Replace the encoder harness. ▪ Replace the motor. ▪ Replace the board. ▪ Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-07	D	Scanning motor error (1-pass ADF)
		Error signal detected while the motor is driven. Details: When encoder channel A (B) error or overload error is detected among the scanning motor error notification registers. The first two occurences, however, are displayed as jams.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ Overload

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check the harness connection. ▪ Replace the encoder harness. ▪ Replace the motor. ▪ Replace the board. ▪ Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC700-09	D	Exit motor error (1-pass ADF)
		Error signal detected while the motor is driven. Details: When encoder channel A (B) error or overload error is detected among the exit motor error notification registers. The first two occurences, however, are displayed as jams.
		▪ Motor defective ▪ Connecter disconnected ▪ Harness broken ▪ Overload
		▪ Check the harness connection. ▪ Replace the encoder harness. ▪ Replace the motor. ▪ Replace the board. ▪ Remove torn paper from the paper path, remove foreign objects from the drive area, and check for motor/motor bracket deformation.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC701-02	D	Original pick-up motor driver error (1-pass ADF)
		Motor driver IC error flag was asserted when a jam occurred. Details: The protection mechanism of the motor driver IC detected overcurrent or overheat and output an error.
		Motor driver IC detected an error.
		▪ Check the motor harness connection. ▪ Check for torn paper on the paper path or foreign objects in the drive area. ▪ Replace the motor harness. ▪ Replace the motor. ▪ Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC702-04	D	Protection device break error 4 (1-pass ADF)
		The non-interlock power supply system protection device broke the circuit with the 24V power supply on. Details: A motor defect or a short circuit occurred in either the pick-up motor, transmission stamp, or bottom plate lift motor and the non-interlock power system protection device broke the circuit.
		▪ Motor defect in non-interlock power supply system. ▪ Harness broken
		▪ Replace the pick-up motor, transmission stamp solenoid, or bottom plate lift motor. ▪ Replace the harness of pick-up motor, transmission stamp solenoid, or bottom plate lift motor. ▪ Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC702-05	D	Protection device break error 5 (1-pass ADF)
		The non-interlock power supply system protection device broke the circuit with the 24V power supply on. Details: A motor defect or a short circuit occurred in either the feed motor, pull-out motor, intermediate motor, scanning motor, or exit motor and the non-interlock power system protection device broke the circuit.
		▪ Motor defect in non-interlock power supply system. ▪ Harness broken
		▪ Replace the feed motor, pull-out motor, intermediate motor, scanning motor, or exit motor. ▪ Replace the harness of feed motor, pull-out motor, intermediate motor, scanning motor, or exit motor. ▪ Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-07	D	Downstream device communication error (D751)
		▪ 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 become H level (break cancel) within specified time.
		▪ Interface cable (downstream device side) connector disconnected or broken ▪ Board defective (Buffer pass unit or downstream device)
		▪ Replace the interface cable between buffer pass unit and downstream device or reconnect the connectors. ▪ Replace the board (of the buffer pass unit or downstream device).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-08	D	Buffer pass unit_CTB_+24V_Power supply error
		Detected +24V power OFF of the Buffer pass unit PCB: CTB.
		▪ Buffer pass unit PSU defect ▪ Connecter disconnected ▪ Harness ground fault/broken ▪ 24V load (motor/fan) layer short ▪ PCB defective ▪ Fuse tripped (PSU, PCB)
		▪ Replace the Buffer pass unit PSU. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the motor/fan. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC719-09	D	Buffer pass unit_CTB_+24VINT_Power supply error
		Detected +24VINT power OFF of the Buffer pass unit PCB: CTB.
		▪ Buffer pass unit PSU defect ▪ Connecter disconnected ▪ Harness ground fault/broken ▪ 24V load (motor/fan) layer short ▪ PCB defective ▪ Fuse tripped (PSU, PCB) ▪ PCB relay defect
		▪ Replace the Buffer pass unit PSU. ▪ Reconnect the connector. ▪ Replace the harness. ▪ Replace the motor/fan. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-01	D	Downstream device communication error (D703/D704)
		Communication with the downstream device has established, but the device is not responding to the command sent out, even after being sent three times.
		▪ Interface cable (downstream device side) connector disconnected or broken ▪ PCB of downstream device defective ▪ Controller PCB defective
		▪ Replace the controller board. ▪ Replace the PCB of downstream device. ▪ Replace the interface cable.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-03	B	Protection device break error 1 (D703/D704)
		Protection device break error (fuse tripped)
		▪ Short-circuit ▪ Overload ▪ Motor/solenoid defective
		▪ Check the harness. ▪ Replace the PCB/motor/solenoid.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-04	B	Protection device break error 1 (2000/3000-sheet finisher with Mailbox)
		Protection device break error (fuse tripped)
		▪ Short-circuit ▪ Overload ▪ Motor/solenoid defective
		2000/3000-sheet finisher ▪ Check the harness. ▪ Replace the PCB. Mailbox ▪ Check the harness. ▪ Replace the PCB. ▪ Replace the motor/solenoid.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-10	B	Entrance Transport Motor Error (2000/3000
SC720-11	B	Horizontal Transport Motor Error (2000/3000
SC720-12	B	Pre Stack Transport Motor Error (2000/3000
SC720-13	B	Middle Transport Motor Error (2000/3000
SC720-16	B	Tray Exit Motor Error (2000/3000
		Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Encoder defective
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-20	B	Lower Junction Gate Motor Error (2000/3000
SC720-24	B	Paper Exit Gate Motor Error (2000/3000
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-25	B	Punch Motor Error (2000/3000
SC720-27	B	Punch Drive Motor Error (2000/3000
SC720-28	B	Paper Position Sensor Side Motor Error (2000/3000

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 pulse). (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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-30	B	Jogger Motor Error (2000/3000
SC720-33	B	Positioning Roller Motor Error (2000/3000
SC720-41	B	Feed Out Motor Error (2000/3000
SC720-42	B	Corner Stapler Movement Motor Error (2000/3000
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-44	B	Corner Stapling Motor Error (D703/D704)
		▪ When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-50	B	Booklet Jogger Motor Error (2000/3000
SC720-51	B	Booklet Guide Motor Error (2000/3000
SC720-53	B	Booklet Fence Motor Error (2000/3000
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-60	B	Booklet Stapling Motor Error (D703/D704)
		▪ When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-62	B	Movement Roller Transport Motor Error (D703/D704)
		Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Encoder defective
		▪ Check the motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-63	B	Folding Transport Motor Error (D703/D704)
		Motor driver detected an error (short-circuit or overheat). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload
		▪ Check the motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-65	B	Press Folding Motor Error (D703/D704)
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-70	B	Tray Lift Motor Error (D703/D704)
		▪ Motor controller detected an error (overload). (The first time: jam display, the second time: SC) ▪ When descending, paper sensor is still detecting paper after the specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When ascending, paper sensor did not detect paper within specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-71	B	Shift Motor Error (D703/D704)
SC720-72	B	Shift Jogger Front Motor Error (D703/D704)
SC720-73	B	Shift Jogger Rear Motor Error (D703/D704)
SC720-74	B	Shift Jogger Retraction Motor Error (D703/D704)
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-75	B	Stacking Roller Motor Error (D703/D704)
		▪ Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC) ▪ When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-77	B	Leading Edge Guide Motor Error (D703/D704)
		▪ Motor driver detected an error (short-circuit or overheat). (SC from the first time) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-78	B	Trailing Edge Pressure Plate Motor Error (D703/D704)
		▪ Motor driver detected an error (DC motor control error). (The first time: jam display, the second time: SC) ▪ When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC720-80	B	Protection device break error 2 (D703/D704)
		Protection device break error (fuse tripped)
		▪ Short-circuit ▪ Overload ▪ Motor/solenoid defective
		D703/D704: ▪ Check the harness/replace the PCB. Inserter: ▪ Check the harness. ▪ Replace the PCB. ▪ Replace the motor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-10	B	Upper Transport Motor Error (D707)
		▪ Motor pulse not detected for a specified time. (The first time: jam display, the second time: SC) ▪ The motor speed does not reach the specified value after a specified time (t1msec) from motor startup.
		▪ Motor defective ▪ Connecter disconnected ▪ Overload
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-14	B	Lower Transport Motor Error (D707)
		▪ Motor pulse not detected for a specified time. (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-15	B	Pre-stack Tansport Motor Error (D707)
SC722-16	B	Upper Tray Exit Motor Error (D707)
SC722-17	B	Shift Tray Exit Motor Error (D707)
SC722-18	B	Stapler Exit Motor Error (D707)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		▪ Motor defective ▪ Connecter disconnected
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-20	B	Upper Tray Junction Gate Motor Error (D707)
SC722-21	B	Stapler Junction Gate Motor Error (D707)
SC722-22	B	Pre-stack Junction Gate Motor Error (D707)
SC722-23	B	Pre-stack Paper Stopper Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-24	B	Exit Guide Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-25	B	Punch Motor Error (D707)
		▪ No change to the punch home position sensor after a specified time (t1ms) from punch operation. (The first time: jam display, the second time: SC) ▪ No change to the punch home position sensor within a specified number of pulses (p0 pulses) from punch operation. (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.
SC722-30	B	Jogger Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 ms). (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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-33	B	Positioning Roller Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-34	B	Positioning Roller Transport Motor Error (D707)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-35	B	Stack Plate-Center Motor Error (D707)
		▪ The drive unit in the staple tray does not return to the home position within a specified time (t0ms). (The first time: jam display, the second time: SC) ▪ When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-36	B	Stapler Plate-Front Motor Error (D707)
		▪ The drive unit in the staple tray does not return to the home position within a specified time (t0ms). (The first time: jam display, the second time: SC) ▪ When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-37	B	Stapler Plate-Rear Motor Error (D707)
		▪ The drive unit in the staple tray does not return to the home position within a specified time (t0ms). (The first time: jam display, the second time: SC) ▪ When the drive unit in the staple tray was moving away from the home position, the home position was still detected after a specified time (t1ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-39	B	Stapler Movement Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-40	B	Stapler Rotation Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 ms). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 ms). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-41	B	Stack Feed-Out Belt Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-42	B	Stapler Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-43	B	Stapler Rotation Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-44	B	Stapler Hammer Motor Error (D707)
		▪ The staple drive unit does not complete operation within specified time (t0ms). (The first time: jam display, the second time: SC) ▪ When moving to the home position, home position was not detected within specified number of pulses (p0 pulses). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-70	B	Shift Tray Lift Motor Error (D707)
		▪ When ascending, paper sensor did not detect paper within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When descending, paper sensor is still detecting paper after the specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-71	B	Shift Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified time (t0 sec). (The first time: jam display, the second time: SC) ▪ When moving from the home position, home position was still detected after specified time (t1 sec). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-72	B	Shift Jogger Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-74	B	Shift Jogger Lift Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-75	B	Stacking Roller Drug Motor Error (D707)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 pulses). (The first time: jam display, the second time: SC)
		▪ Overload due to staple jam or number of sheets exceeding the limit, etc. ▪ Motor defective ▪ Connecter disconnected ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC722-76	B	Stacking Roller Motor Error (D707)
		Motor driver detected an open circuit or short-circuit. (SC from the first time)
		▪ Motor defective ▪ Connecter disconnected
		▪ Check motor connection. ▪ Replace the motor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-01	D	Downstream device communication error (D615)
		▪ 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 become H level (break cancel) within specified time.
		▪ 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-12	B	Reg. Roller Transport Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-13	B	Dynamic Roller Transport Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-14	B	Z-fold top tray exit motor error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-30	B	Z-fold stopper 1 Motor error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-31	B	2nd Stopper Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-32	B	3rd Stopper Motor Erro (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-33	B	Jogger Fence Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-34	B	Dynamic Roller Lift Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-35	B	Registration Roller Release Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-36	B	FM2 Direct-Send JG Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-37	B	FM6 Pawl Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-38	B	Fold Plate Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-39	B	1st Fold Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-40	B	2nd Fold Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-41	B	Crease Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-71	D	Horizontal Transport Motor Error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-72	D	Horizontal exit motor error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-73	D	Horizontal exit motor error (D615)
		▪ Motor driver detected an error. (SC from the first time)
		▪ Overcurrent to the motor. ▪ Motor drive overheat
		▪ Replace the controller board. ▪ Replace the motor. ▪ Replace the harness.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC725-74	D	Entrance JG Motor Error (D615)
		▪ When moving to the home position, home position was not detected within specified number of pulses (p0 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 (p1 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 controller board. ▪ Replace the motor. ▪ Replace the harness. ▪ Re-connect the connector. ▪ Replace the sensor.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-01	D	Downstream device communication error (D712)
		▪ 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 become H level (break cancel) within specified time.
		▪ Interface cable (between inserter and downstream device) connector disconnected or broken ▪ PCB (of inserter or downstream device) defective
		▪ Reconnect or replace the interface cable (between inserter and downstream device) connector disconnected or broken ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-10	B	Bottom Plate Lift Motor Error (D711)
		▪ 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 defective ▪ Connecter disconnected ▪ Overload ▪ Upper limit sensor defective ▪ Lower limit sensor defective
		▪ Check the motor and upper limit sensor. ▪ Check the lower limit sensor. ▪ Replace the motor/upper limit sensor./lower limit sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-10	B	1st Lift Motor Error (D712)
		▪ 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)
		▪ Lift motor defective/Connecter disconnected ▪ Upper limit sensor defective/Connecter disconnected ▪ Lower limit sensor defective/Connecter disconnected ▪ Harness broken ▪ PCB defective ▪ Mechanical defect of the tray lift mechanism
		▪ Replace or reconnect the lift motor. ▪ Replace or reconnect the upper limit sensor. ▪ Replace or reconnect the lower limit sensor. ▪ Replace the harness. ▪ Replace the PCB. ▪ Repair the tray lift mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-11	B	1st Pick-Up Motor Error (D712)
		▪ 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)
		▪ Pick-up motor defective/connector disconnected ▪ Home position sensor defective/connecter disconnected ▪ Harness broken ▪ PCB defective ▪ Mechanical defect of the pick-up mechanism
		▪ Replace or reconnect the pick-up motor. ▪ Replace or reconnect the home position sensor. ▪ Replace the harness. ▪ Replace the PCB. ▪ Repair the pick-up mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-20	B	2nd Lift Motor Error (D712)
		▪ 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)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
		▪ Lift motor defective/Connecter disconnected ▪ Upper limit sensor defective/Connecter disconnected ▪ Lower limit sensor defective/Connecter disconnected ▪ Harness broken ▪ PCB defective ▪ Mechanical defect of the tray lift mechanism
		▪ Replace or reconnect the lift motor. ▪ Replace or reconnect the upper limit sensor. ▪ Replace or reconnect the lower limit sensor. ▪ Replace the harness. ▪ Replace the PCB. ▪ Repair the tray lift mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC740-21	B	2nd Pick-Up Motor Error (D712)
		▪ 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)
		▪ Pick-up motor defective/connecter disconnected ▪ Home position sensor defective/connecter disconnected ▪ Harness broken ▪ PCB defective ▪ Mechanical defect of the pick-up mechanism
		▪ Replace or reconnect the pick-up motor. ▪ Replace or reconnect the home position sensor. ▪ Replace the harness. ▪ Replace the PCB. ▪ Repair the pick-up mechanism

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC745-03	B	Protection device break error 1 (Mailbox)
		Protection device break error (fuse tripped)
		▪ Short-circuit ▪ Overload ▪ Motor/solenoid defective
		▪ Check the harness. ▪ Replace the PCB. ▪ Replace the motor/solenoid.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC773-00	D	De-curl Pressure Adjustment Motor Error (D727)
		▪ The home position sensor did not change from non-blocked to blocked 9 seconds after homing operation started. ▪ The home position sensor did not change from blocked to non-blocked 1.2 seconds after homing operation started.
		▪ Motor defective ▪ Connecter disconnected ▪ Overload ▪ Home position sensor defective
		▪ Check the connections of the motor and home position sensor. ▪ Replace the motor/home position sensor. ▪ Replace the PCB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC780-50	B	LCT high efficiency controller communication error
		An error was detected during read/write access in SPI communication between SPU and high-efficiency controller.
		▪ PCB defective ▪ High-efficiency controller defective ▪ High-efficiency controller system clock error
		▪ Replace the PCB.

5.16 SERVICE CALL 816-899

5.16.1 SC800 (CONTROLLER)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816	[0x0000]	Energy save I/O subsystem error
SC816-01	D	Subsystem error
SC816-02	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-03	D	Transition to STR was denied.
SC816-04	D	Interrupt in kernel communication driver
SC816-05	D	Preparation for transition to STR failed.
SC816-07	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-08	D	Sysarch (LPUX_ENGINE_TIMERCTRL) error
SC816-09	D	Sysarch (LPUX_RETURN_FACTOR_STR) error
SC816-10	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-11	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-12	D	Sysarch (LPUX_GET_PORT_INFO) error
SC816-13	D	open() error
SC816-14	D	Memory address error
SC816-15	D	open() error
SC816-16	D	open() error
SC816-17	D	open() error
SC816-18	D	open() error
SC816-19	D	Double open() error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816-20	D	open() error
SC816-22	D	Parameter error
SC816-23	D	read() error
SC816-24	D	read() error
SC816-25	D	read() error
SC816-26	D	write() communication retry error
SC816-27	D	write() communication retry error
SC816-28	D	write() communication retry error
SC816-29	D	write() communication retry error
SC816-30	D	write() communication retry error
SC816-35	D	read() error
SC816-36	D	Subsystem error
SC816-37	D	Subsystem error
SC816-38	D	Subsystem error
SC816-39	D	Subsystem error
SC816-40	D	Subsystem error
SC816-41	D	Subsystem error
SC816-42	D	Subsystem error
SC816-43	D	Subsystem error
SC816-44	D	Subsystem error
SC816-45	D	Subsystem error
SC816-46	D	Subsystem error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816-47	D	Subsystem error
SC816--48	D	Subsystem error
SC816--49	D	Subsystem error
SC816--50	D	Subsystem error
SC816--51	D	Subsystem error
SC816--52	D	Subsystem error
SC816--53	D	Subsystem error
SC816--54	D	Subsystem error
SC816--55	D	Subsystem error
SC816--56	D	Subsystem error
SC816--57	D	Subsystem error
SC816--58	D	Subsystem error
SC816--59	D	Subsystem error
SC816--60	D	Subsystem error
SC816--61	D	Subsystem error
SC816--62	D	Subsystem error
SC816--63	D	Subsystem error
SC816--64	D	Subsystem error
SC816--65	D	Subsystem error
SC816--66	D	Subsystem error
SC816--67	D	Subsystem error
SC816--68	D	Subsystem error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816--69	D	Subsystem error
SC816--70	D	Subsystem error
SC816--71	D	Subsystem error
SC816--72	D	Subsystem error
SC816--73	D	Subsystem error
SC816--74	D	Subsystem error
SC816--75	D	Subsystem error
SC816--76	D	Subsystem error
SC816--77	D	Subsystem error
SC816--78	D	Subsystem error
SC816--79	D	Subsystem error
SC816--80	D	Subsystem error
SC816--81	D	Subsystem error
SC816--82	D	Subsystem error
SC816--83	D	Subsystem error
SC816--84	D	Subsystem error
SC816--85	D	Subsystem error
SC816--86	D	Subsystem error
SC816--87	D	Subsystem error
SC816--88	D	Subsystem error
SC816--89	D	Subsystem error
SC816--90	D	Subsystem error

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC816--91	D	Subsystem error
SC816--92	D	Subsystem error
SC816--93	D	Subsystem error
SC816--94	D	Subsystem error
		Energy save I/O subsystem detected some abnormality.
		▪ Energy save I/O subsystem defective ▪ Energy save I/O subsystem detected a controller board error (non-response). ▪ Error was detected during preparation for transition to STR.
		▪ Turn the main power off/on. ▪ Replace the controller board.

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SC No.	Level	Error Name/Error Condition/Major Cause/Solution	
SC819	D	**Fatal kernel error**	
		Due to a control error, a RAM overflow occurred during system processing. One of the following messages was displayed on the operation panel.	
		0x5032	HAIC-P2 error
		0x5245	Link-up fail
		0x5355	L2 Status Time Out
		0x696e	gwinit died
		0x766d	Vm_pageout: VM is full
		554C	USB loader defect
		Other	
		▪ System program defective (DOS, PS, DESS) ▪ Controller board defective ▪ Optional board defective – (FAX, Adapter A, ▪ Reload System firmware	

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC840-00	D	EEPROM access error
		An error occurred during I/O processing. ▪ A read error occurred and 3 retries failed. ▪ A write error occurred.
		EEPROM defective or end-of-life
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC841-00	D	EEPROM read data error
		Compared the data from 3 areas of the EEPROM mirror data with the original data and all 3 of them were different from the original data.
		Data in the specific area of the EEPROM has been modified.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-00	C	Nand-Flash updating verification error
		During remote ROM update or ROM update, the SCS detected a write error (verify error) regarding the data written to the Nand-Flash.
		Nand-Flash damaged
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-01	B	Nand-Flash bad block number exceeding the threshold
		When the status of the Nand-Flash was checked at power-on or when returning from energy saver mode, the number of bad blocks exceeded the threshold.
		Nand-Flash bad block number exceeding the threshold
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC842-02	B	Number of times of Nand-Flash block erase exceeding the threshold
		When the status of the Nand-Flash was checked at power-on or when returning from energy saver mode, the number of times the block was erased exceeded the threshold.
		Number of times of Nand-Flash block erase exceeding the threshold
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC853-00	B	Bluetooth device connection error
		The Bluetooth hardware (USB type) was connected after the machine was turned on.
		The Bluetooth hardware (USB type) was connected after the machine was turned on.
		Turn the main power with the Bluetooth hardware (USB type) connected.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC854-00	B	Bluetooth device disconnected
		The Bluetooth hardware (USB type) was disconnected after the machine was turned on.
		The Bluetooth hardware (USB type) was disconnected after the machine was turned on.
		Turn the main power with the Bluetooth hardware (USB type) connected.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC855-01	B	Wireless LAN board error (driver attachment failure)
		Wireless LAN board error (wireless LAN card: 802.11 is covered)
		▪ Defective wireless LAN board ▪ Loose connection
		1. Turn the main power off/on. 2. Replace wireless LAN board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC855-02	B	Wireless LAN board error (driver initialization failure)
		Wireless LAN board error (wireless LAN card: 802.11 is covered)
		▪ Defective wireless LAN board ▪ Loose connection
		1. Turn the main power off/on. 2. Replace wireless LAN board

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC857-00	B	USB I/F Error
		The USB interface is unusable because of a driver error.
		USB driver error (There are three causes of USB error: RX error/CRC error/STALL. SC is issued only in the case of STALL.)
		1. Check USB connection. 2. Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-01	-	Data encryption conversion error (HDD Key Setting Error)
		A serious error occurred during an attempt to update the encryption key.
		▪ Data in the USB Flash etc. corrupted ▪ Communication error because of electromagnetic interference etc. ▪ Controller board defective
		Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-02	A	Data encryption conversion error (NVRAM read/write error)
		A serious error occurred after data conversion during an attempt to update the encryption key.
		NVRAM defective
		Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-30	A	Data encryption conversion error (NVRAM Before Replace error)
		A serious error occurred after data conversion during an attempt to update the encryption key.
		Software error such as conversion parameters being invalid.
		Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC858-31	A	Data encryption conversion error (Other Error)
		A serious error occurred after data conversion during an attempt to update the encryption key.
		Controller board defective
		Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-01	B	Data encryption conversion HDD conversion error (HDD check error)
		HDD was not converted correctly during an attempt to update the encryption key. Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart.
		1. HDD conversion was selected in the Encryption key update function but the machine was turned on with the HDD removed. 2. Power failure occurred during encryption key update. 3. HDD was not successfully converted during encryption key update due to HDD errors or cable noises.
		1. Check HDD connection. 2. Format the HDD. 3. If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-02	B	Data encryption conversion HDD conversion error (Power failure during conversion)
		HDD was not converted correctly during an attempt to update the encryption key. Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart. Details: NVRAM/HDD conversion is incomplete.
		Power failure occurred during encryption key update.
		None The display after restart instructs the user to format the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC859-10	B	Data encryption conversion HDD conversion error (Data read/write command error)
		HDD was not converted correctly during an attempt to update the encryption key. Only an error screen is displayed and no SC is issued during conversion. This SC is issued after machine restart. Details: Abnormal DMAC return value has been received two or more times (DMAC timeout, serial communication error etc.)
		HDD was not successfully converted during encryption key update due to HDD errors or cable noises.
		▪ Check HDD connection. ▪ Format the HDD. ▪ If there is a problem with the HDD, it has to be replaced.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC860-00	B	HDD startup error at main power on (HDD error)
		1. The HDD is connected but the driver detected the following errors. 2. SS_NOT_READY:/* (-2)HDD does not become READY*/ 3. SS_BAD_LABEL:/* (-4)Wrong partition type*/ 4. SS_READ_ERROR:/* (-5)Error occurred while reading or checking the label*/ 5. SS_WRITE_ERROR:/* (-6)Error occurred while writing or checking the label*/ 6. SS_FS_ERROR:/* (-7)Failed to repair the filesystem*/ 7. SS_MOUNT_ERROR:/* (-8)Failed to mount the filesystem*/ 8. SS_COMMAND_ERROR:/* (-9)Drive not responding to command*/ 9. SS_KERNEL_ERROR:/* (-10)Internal kernel error*/ 10. SS_SIZE_ERROR:/* (-11)Drive size too small*/ 11. SS_NO_PARTITION:/* (-12)The specified partition does not exist*/ 12. SS_NO_FILE:/* (-13)Device file does not exist*/ 13. Attempted to acquire HDD status through the driver but there has been no response for 30 seconds or more.
		1. Unformatted HDD 2. Label data corrupted 3. HDD defective
		Format the HDD through SP mode.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-01	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in an area that does not belong to a partition, such as the disklabel area.)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-02	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "a".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-03	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "b".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-04	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "c".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-05	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "d".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-06	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "e".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-07	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "f".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-08	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "g".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-09	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "h".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-10	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "i".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-11	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "j".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-12	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "k".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-13	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "l".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-14	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "m".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-15	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "n".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-16	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "o".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-17	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "p".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-18	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "q".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-19	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "r.)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. 1. It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-20	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "r.)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more 1. The interval is short. 2. Repeatedly occurs in the same situation (At power-on, etc.). 3. Startup takes a long time when the main power is turned on. ▪ It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-21	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "t)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more ▪ The interval is short. ▪ Repeatedly occurs in the same situation (At power-on, etc.). ▪ Startup takes a long time when the main power is turned on. ▪ It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-22	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "u".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more ▪ The interval is short. ▪ Repeatedly occurs in the same situation (At power-on, etc.). ▪ Startup takes a long time when the main power is turned on. ▪ It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC863-23	D	HDD data read failure
		The data written to the HDD cannot be read normally.
		Bad sectors were generated during operation. (An error occurred in partition "y".)
		Guide for when to replace the HDD ▪ When SC863 has occurred ten times or more ▪ The interval is short. ▪ Repeatedly occurs in the same situation (At power-on, etc.). ▪ Startup takes a long time when the main power is turned on. ▪ It takes a long time after main power on for the operation panel to become ready. HDD access may be consuming time. Normal HDD access time after main power on is about 5 seconds. If the machine is not waiting for the engine to be ready and it still takes 20 to 30 seconds or more, the HDD may be the cause. If there is a problem with the HDD, HDD-related SCs such as SC860 and SC863 will occur frequently. Print the SC log data and check them.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-01	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in an area that does not belong to a partition, such as the disklabel area.)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-02	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "a".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-03	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "b".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-04	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "c".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-05	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "d".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-06	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "e".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-07	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "f".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-08	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "g".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-09	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "h".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-10	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "i".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-11	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "j".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-12	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "k".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-13	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "l".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-14	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "m".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-15	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "n".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-16	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "o".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-17	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "p".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-18	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "q".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-19	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "r".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-20	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "s".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-21	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "t".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-22	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "u".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC864-23	D	HDD data CRC error
		During HDD operation, the HDD returned a CRC error.
		Bad sectors were generated during operation. (An error occurred in partition "v".)
		▪ Format the HDD. ▪ Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-00	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error).
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-01	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in an area that does not belong to a partition, such as the disklabel area.)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-02	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "a".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-03	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "b".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-03	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "c".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-05	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "d".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-06	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "e".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-07	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "f".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-08	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "g".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-09	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "h".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-10	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "i".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-11	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "j".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-12	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "k".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-13	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "l".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-14	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "m".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-15	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "n".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-16	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "o".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-17	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "p".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-18	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "q".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-19	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "r".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-20	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "s".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-21	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "t".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-22	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "u".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC865-23	D	HDD access error
		During HDD operation, the HDD returned an error.
		The HDD returned an error that does not constitute SC863 (bad sector) or SC864 (CRC error). (An error occurred in partition "v".)
		Replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC866-00	B	SD card authentication error
		A license error of an application that is started from the SD card was detected.
		Invalid program data is stored on the SD card.
		Store a valid program data on the SD card.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-00	D	SD card removed
		The SD card that starts an application was removed from the slot.
		The SD card that starts an application was removed from the slot (mount point of /mnt/sd0).
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-01	D	SD card removed
		The SD card that starts an application was removed from the slot.
		The SD card that starts an application was removed from the slot (mount point of /mnt/sd1).
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC867-02	D	SD card removed
		The SD card that starts an application was removed from the slot.
		The SD card that starts an application was removed from the slot (mount point of /mnt/sd2).
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC868-00	D	SD card access error
		The SD controller returned an error during operation. (Error occurred at the mount point of /mnt/sd0)
		▪ SD card defective ▪ SD controller defective
		▪ Reformat the SD card (using the "SD Formatter" made by Panasonic).* ▪ Check the SD card insertion status. ▪ Replace 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC868-01	D	SD card access error
		The SD controller returned an error during operation. (Error occurred at the mount point of /mnt/sd1)
		▪ SD card defective ▪ SD controller defective
		SD card that starts an application ▪ 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. ▪ 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. ▪ If the error persists

* 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC868-02	D	SD card access error
		The SD controller returned an error during operation. (Error occurred at the mount point of /mnt/sd1)
		▪ SD card defective ▪ SD controller defective
		SD card that starts an application ▪ 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. ▪ 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. ▪ If the error persists

* 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-00	B	Address Book data error (Anytime: Address Book Error.)
SC870-01	B	Address Book data error (On startup: Media required for storing the Address Book is missing.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-02	B	Address Book data error (On startup: encryption is configured but the module required for encryption (DESS) is missing.)
SC870-03	B	Address Book data error (Initialization: Failed to generate a file to store internal Address Book.)
SC870-04	B	Address Book data error (Initialization: Failed to generate a file to store delivery sender.)
SC870-05	B	Address Book data error (Initialization: Failed to generate a file to store delivery destination.)
SC870-06	B	Address Book data error (Initialization: Failed to generate a file to store information required for LDAP search.)
SC870-07	B	Address Book data error (Initialization: Failed to initialize entries required for machine operation.)
SC870-08	B	Address Book data error (Machine configuration: HDD is present but the space for storing the Address Book is unusable.)
SC870-09	B	Address Book data error (Machine configuration: Inconsistency in the NVRAM area used for storing settings required for Address Book configuration.)
SC870-10	B	Address Book data error (Machine configuration: Cannot make a directory for storing the Address Book in the SD/USB FlashROM.)
SC870-11	B	Address Book data error(On startup: Inconsistency in Address Book entry number.)
SC870-20	B	Address Book data error (File I/O: Failed to initialize file.)
SC870-21	B	Address Book data error (File I/O: Failed to generate file.)
SC870-22	B	Address Book data error (File I/O: Failed to open file.)
SC870-23	B	Address Book data error (File I/O: Failed to write to file.)
SC870-24	B	Address Book data error (File I/O: Failed to read file.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-25	B	Address Book data error (File I/O: Failed to check file size.)
SC870-26	B	Address Book data error (File I/O: Failed to delete data.)
SC870-27	B	Address Book data error (File I/O: Failed to add data.)
SC870-30	B	Address Book data error (Search: Failed to obtain data from cache when searching in the machine Address Book. delivery destination/sender.)
SC870-31	B	Address Book data error (Search:Failed to obtain data from cache during LDAP search.)
SC870-32	B	Address Book data error (Search:Failed to obtain data from cache while searching the WS-Scanner Address Book.)
SC870-41	B	Address Book data error (Cache: failed to obtain data from cache.)
SC870-50	B	Address Book data error (On startup: Detected abnormality of the Address Book encryption status.)
SC870-51	B	Address Book data error (Encryption settings: Failed to create directory required for conversion between plaintext and encrypted text.)
SC870-52	B	Address Book data error (Encryption settings: Failed to convert from plaintext to encrypted text.)
SC870-53	B	Address Book data error (Encryption settings: Failed to convert from encrypted text to plaintext.)
SC870-54	B	Address Book data error (Encryption settings: Detected data inconsistency when reading the encrypted Address Book.)
SC870-55	B	Address Book data error (Encryption settings: Failed to delete file when changing encryption setting.)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC870-56	B	Address Book data error (Encryption settings: Failed to erase the file that records the encryption key during an attempt to change the encryption setting.)
SC870-57	B	Address Book data error (Encryption settings: Failed to move a file during an attempt to change the encryption setting.)
SC870-58	B	Address Book data error (Encryption settings: Failed to delete a directory during an attempt to change the encryption setting.)
SC870-59	B	Address Book data error (Encryption settings: Detected a resource shortage during an attempt to change the encryption setting.)
SC870-60	B	Address Book data error (Unable to obtain the on/off setting for administrator authentication (06A and later).)
		When an error related to the Address Book is detected during startup or operation.
		▪ Software bug ▪ Inconsistency of Address Book source location (machine/delivery server/LDAP server) ▪ Inconsistency of Address Book encryption setting or encryption key (NVRAM or HDD was replaced individually without formatting the Address Book) ▪ Address Book storage device (SD/HDD) was temporarily removed or hardware configuration does not match the application configuration. ▪ Address Book data corruption was detected.
		▪ Check the HDD connection. ▪ Initialize all UCS settings and address/authentication information (SP5-846-046). ▪ Initialize the Address Book partition (SP5-832-006).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC872-00	B	HDD mail reception error
		An error was detected on the HDD immediately after the machine was turned on.
		▪ HDD defective ▪ Power was turned of while the machine used the HDD.
		▪ 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).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC873-00	B	HDD mail reception error
		An error was detected on the HDD immediately after the machine was turned on.
		▪ HDD defective ▪ Power was turned of while the machine used the HDD.
		▪ 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

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC875-01	D	Delete all error (HDD erasure) (hddchack –i error)
SC875-02	D	Delete all error (HDD erasure) (Data deletion failure)
		An error was detected before HDD/data erasure starts. (Failed to erase data/failed to logically format HDD)
		▪ HDD logical formatting failed. ▪ The modules failed to erase data.
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-01	D	Log Data Error 1
		An error was detected in the handling of the log data at power on or during machine operation.
		Damaged log data file
		Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-02	D	Log Data Error 2
		An error was detected in the handling of the log data at power on or during machine operation.
		Log encryption is enabled but encryption module is not installed.
		▪ Replace or set again the encryption module. ▪ Disable the log encryption setting.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-03	D	Log Data Error 3
		An error was detected in the handling of the log data at power on or during machine operation.
		Inconsistency of encryption key between NV-RAM and HDD.
		▪ Disable the log encryption setting. ▪ Initialize LCS memory (SP5801-019). ▪ Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-04	D	Log Data Error 4
		An error was detected in the handling of the log data at power on or during machine operation.
		▪ Log encryption key is disabled but the log data file is encrypted. (NVRAM data corruption) ▪ Log encryption key is enabled but the log data file is not encrypted. (NVRAM data corruption)
		Initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-05	D	Log Data Error 5
		An error was detected in the handling of the log data at power on or during machine operation.
		▪ Only the NV-RAM has been replaced with one previously used in another machine. ▪ Only the HDD has been replaced with one previously used in another machine.
		▪ Attach the original NV-RAM. ▪ Attach the original HDD. ▪ With the configuration that caused the SC, initialize the HDD (SP5-832-004).

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC876-99	D	Log Data Error 99
		An error was detected in the handling of the log data at power on or during machine operation.
		Other causes
		-

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC877-00	B	Data Overwrite Security card error
		The "Auto Erase Memory" function of the Data Overwrite Security is set to on but it cannot be done.
		▪ Data Overwrite Security option SD card is broken. ▪ Data Overwrite Security option SD card has been removed.
		▪ 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.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-00	D	TPM electronic authentication error
		The machine failed TPM electronic authentication. System hash registered in the TPM did not match the data on the USB flash.
		▪ System module was updated in an unauthorized manner. ▪ USB flash is not working correctly.
		Replace the board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-01	D	USB Flash error
		USB Flash file system error
		USB Flash file system has been destroyed.
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-02	D	TPM error
		Error occurred in the TPM or TPM driver.
		TPM defective
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC878-03	D	TCSD error
		Error occurred in TPM software stack.
		▪ Unable to start TPM ▪ Necessary files missing from the TPM.
		Replace the controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC880-00	D	MLB error
		Reply to MLB access was not returned within a specified time.
		MLB defective
		▪ Replace the MLB. ▪ Remove the MLB.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC881-01	D	Authentication area error
		▪ Software error detected. ▪ This error may occur even if IC card option (ERIE/AYU/Greenland etc.) is not installed.
		1. This is caused by accumulation of abnormal authentication information in the software. (User operation will not directly cause it.) 2. Occurs when authentication is done. Example: When a job is sent to the printer/when logged on from the operation panel/when logged on from a Web browser
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC899-00	D	Software performance error (signal reception end)
		-
		Occurs when an internal program behaves abnormally.
		In case of a hardware defect ▪ Replace the hardware. In case of a software error ▪ Turn the main power off/on. ▪ Try updating the firmware.

5.17 SERVICE CALL 900-998

5.17.1 SC900 (ENGINE: OTHERS)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-01	D	CPM setting error 1
		Comparison of machine serial number (11 digits) and machine identification code. Details: ▪ Machine serial number cannot be identified because of BICU replacement or malfunctioning. ▪ Machine serial number cannot be identified because of NV-RAM replacement
		machine serial number (11 digits) or machine identification code does not match.
		▪ Enter the machine serial number using SP5-811, and then turn the power on/off. ▪ Attach the NV-RAM that was installed previously.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-02	D	CPM setting error 2
		Comparison of machine serial number (11 digits) and machine identification code. Details: Machine serial number cannot be identified because of NV-RAM replacement or malfunctioning.
		machine serial number (11 digits) or machine identification code does not match.
		▪ Attach the NV-RAM that was installed previously. ▪ Download data on the NV-RAM using SP5-825.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-03	D	CPM setting error 3
		Comparison of machine serial number (11 digits) and machine identification code. Details: Unable to recognize machine identification code because the controller was replaced incorrectly or is malfunctioning.
		machine serial number (11 digits) or machine identification code does not match.
		Replace it with a specified controller.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC995-04	D	CPM setting error 4
		Comparison of machine serial number (11 digits) and machine identification code.
		machine serial number (11 digits) or machine identification code does not match.
		Return the parts to the original configuration, and then replace them according to the manual.

5.18 SC900 (CONTROLLER)

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC900-00	D	Electric counter error
		The electric total counter value is out of specification. Error is detected when increasing the total counter.
		▪ Unexpected NV-RAM is attached. ▪ NV-RAM defective ▪ NV-RAM data corrupted. ▪ Data written to unexpected area because of external factor etc. ▪ The count requested by the SRM on receiving PRT is not completed.
		Replace the NV-RAM.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC910-00	B	External Controller Error 1
		Notification from external application (external controller)
		Subject to external application (external controller) specification
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC911-00	B	External Controller Error 2
		Notification from external application (external controller)
		Subject to external application (external controller) specification
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC912-00	B	External Controller Error 3
		Notification from external application (external controller)
		Subject to external application (external controller) specification
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC913-00	B	External Controller Error 4
		Notification from external application (external controller)
		Subject to external application (external controller) specification
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC914-00	B	External Controller Error 5
		Notification from external application (external controller)
		Subject to external application (external controller) specification
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC915-01	A	External Controller Error 6 (Egret board error)
SC915-02	A	External Controller Error 6 (HDD serial communication error)
SC915-03	A	External Controller Error 6 (CPU temperature rise)
SC915-04	A	External Controller Error 6 (Unable to communicate with GW controller because invalid command was received)
SC915-05	A	External Controller Error 6(Unable to communicate with GW controller because of an error)
		Notification from external application (external controller)
		Notification from external application (external controller)
		Replace the Egret controller board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC919-00	D	External controller down
		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, of BREAK signal from the other station was detected.
		External controller and the machine had been operating correctly (*) but the external controller was turned off or rebooted, or the video bus was disconnected. * Printing or scanning using the external controller.
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC920-00	B	Printer application error (No response at PM startup)
SC920-01	B	Printer application error (Timeout during PM operation)
SC920-02	B	Printer application error (Unable to obtain work memory)
SC920-03	B	Printer application error (Unable to start filter process)
SC920-04	B	Printer application error (Abnormal termination of filter process)
		When an error is detected in the application, which makes continued operation impossible.
		▪ Software bug ▪ Unexpected hardware configuration (such as insufficient memory)
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC921-00	B	Printer application error (Resident font not found)
		Resident font was not found at printer startup.
		Preinstalled font files not found.
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC921-01	B	Printer application error (Optional font not found)
		Optional font required by an emulation was not found at printer startup.
		Optional emulation font not found
		Turn the main power off/on.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC925-00	B	NetFile function error
SC925-01	B	NetFile function error
		The NetFile file management on the HDD cannot be used, or a NetFile management file is corrupted and operation cannot continue.
		▪ HDD defective ▪ HDD inconsistency caused by power failure during HDD access, etc. ▪ 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). Approval by the customer is required because received fax message waiting to be delivered and documents waiting to be captured will be lost. Procedure: Go into the User Tools mode and do "Delivery Settings" to print all received fax documents that are scheduled for delivery. Then erase them. In the User Tools mode, do Document Management> Batch Delete Transfer Documents. Do SP5832-011, then turn the machine power off and on. ▪ If this does not solve the problem, initialize all partitions of the HDD (SP5-832-001), then turn the machine power off and 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. ▪ If this does not solve the problem, replace the HDD.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC990-00	D	Software operation error
		Software attempted an unexpected operation.
		▪ Parameter error ▪ Internal parameter error ▪ Insufficient work memory ▪ Operation error caused by abnormalities that are normally undetectable.
		▪ Turn the main power off/on. ▪ Reinstall the software of the controller and BICU board.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC991-00	C	Recoverable software operation error
		Software attempted an unexpected operation. SC991 covers recoverable errors as opposed toCS990.
		▪ Parameter error ▪ Internal parameter error ▪ Insufficient work memory ▪ Operation error caused by abnormalities that are normally undetectable.
		Logging only

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC992-00	D	Undefined SC issued.
		An SC, that is not controlled by the system, occurred.
		▪ An SC for the previous model was used mistakenly, etc. ▪ Basically a software bug.
		Turn the main power off/on.

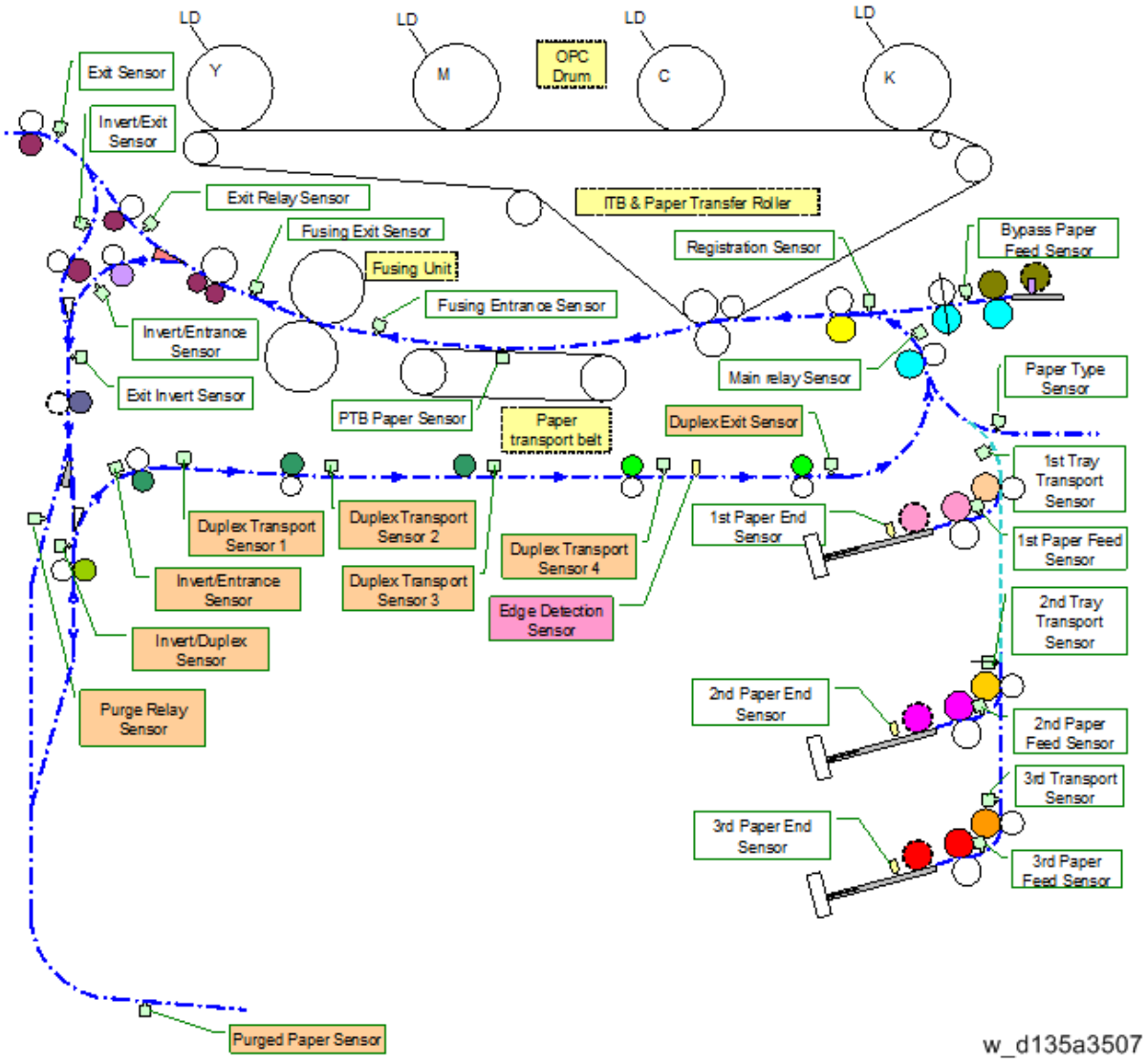
SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC994-00	C	Operation error caused by abnormalities that are normally undetectable.
		An error occurred because the number of records exceeded the limit for images managed in the service layer of the firmware.
		This can occur if there are too many application screens open on the operation panel.
		Logging only.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC997-00	D	Application function selection error
		The application selected by the operation panel key operated abnormally (No response, abnormal ending).
		Software bug (mainly the application)
		▪ Check the optional RAM, DIMM, boards required by the application program. ▪ Check if the combination of downloaded programs are correct.

SC No.	Level	Error Name/Error Condition/Major Cause/Solution
SC998-00	D	Application start error
		1. No application was registered to system within a specified time after the main power was turned on. (No application starts/All applications have been terminated abnormally) 2. Application started but cannot be drawn now for some reason.
		▪ Software bug (mainly the application) ▪ The optional RAM, DIMM, boards required by the application program. Are not installed correctly.
		Turn the main power off/on. Check the optional RAM, DIMM, boards Check the combination of programs Replace the controller board.

5.19 JAM DETECTION

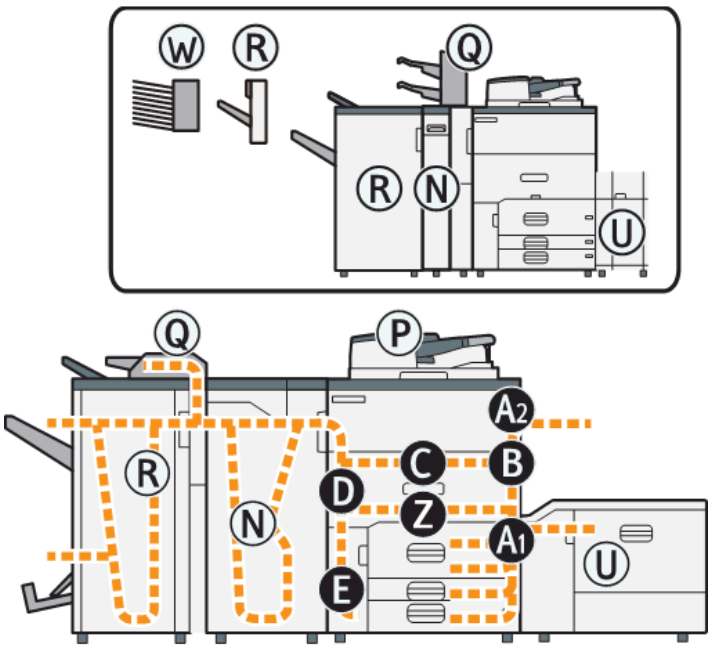
⇒ Sensor Locations



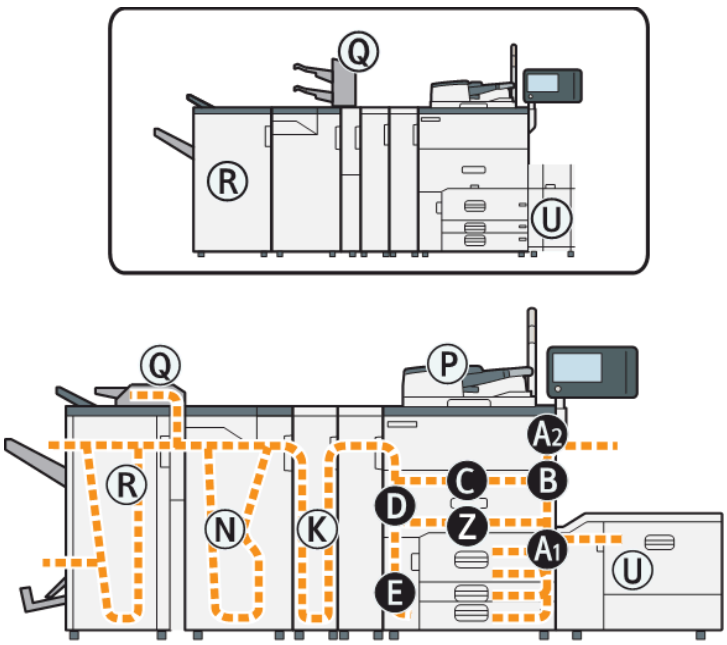
5.19.1 JAM DISPLAYS

When a jam occurs, the location is displayed on the operation panel.

1. D135/D136



2. D137/D138



5.20 REMOVING JAMMED PAPER

See the decals on the machine for how to remove jammed paper.

5.21 PRINTER ENGINE JAM HISTORY

5.21.1 HOW TO CHECK

Plotter Jam History can be displayed using SP7-507. 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

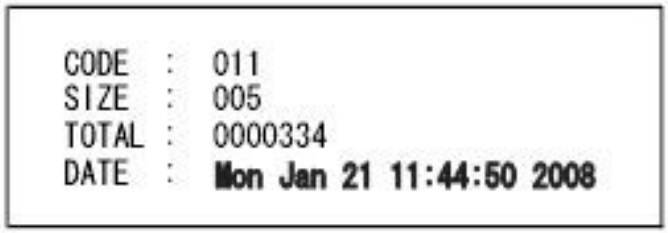
SP7-507-007 Plotter Jam History Latest 6

SP7-507-008 Plotter Jam History Latest 7

SP7-507-009 Plotter Jam History Latest 8

SP7-507-010 Plotter Jam History Latest 9

5.21.2 DISPLAY



1. CODE: Displays the jam code.
2. SIZE: Displays the paper size code.
3. TOTAL: Displays the total number of printer jams (SP7-502-001).
4. DATE: Displays the date and time the jam occurred.

Note

- The 10 latest printer jams are displayed.
- Initial jams are not recorded.

5.22 JAM CODES AND POSITION CODES

Note

- Jam code: Shows the cause of a jam. Appears in the log data.
- Position code: Shows the location of a jam. Appears on the operation panel. These are lists of jam codes for the main machine and peripheral devices. Please note: **Late jam.** The paper has failed to arrive within the prescribed time due to a jam that has occurred upstream of the referenced sensor.

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.

5.22.1 ADF

Jam code	Jam description	Position code
13	Separation Sensor: Late Jam	P1
63	Separation Sensor: Lag Jam	P1
14	Skew Correction Sensor: Late Jam	P1
64	Skew Correction Sensor: Lag Jam	P1
15	Original Set Sensor: Late Jam	P1

Jam code	Jam description	Position code
65	Original Set Sensor: Lag Jam	P1
16	Original Registration Sensor: Late Jam	P2
66	Original Registration Sensor: Lag Jam	P2
17	Original Exit Sensor: Late Jam	P2
67	Original Exit Sensor: Lag Jam	P2
239	Misfeed:Original Removed	P1
1	Initial jam	P1
1	Overload jam	P1

5.22.2 MAIN MACHINE

Jam code	Jam description	Position code
1	Bypass Paper Feed Sensor	A2
1	1st Tray Transport Sensor	A1
1	2nd Tray Transport Sensor	A1
1	3rd Transport Sensor	A1
1	Main relay Sensor	B
1	Registration Sensor	B
1	PTB Paper Sensor	C
1	Fusing Entrance Sensor	D
1	Fusing Exit Sensor	D
1	Invert/Entrance Sensor	E
1	Invert/Exit Sensor	E

Jam code	Jam description	Position code
1	Purged Paper Sensor	E
1	Exit Invert Sensor	E
1	Exid Relay Sensor	E
1	Exid Sensor	E
1	Invert/Duplex Sensor	E
1	Duplex Entrance Sensor	Z
1	Duplex Transport Sensor 1	Z
1	Duplex Transport Sensor 2	Z
1	Duplex Transport Sensor 3	Z
1	Duplex Transport Sensor 4	Z
1	Duplex Exit Sensor	Z
1	Purged Paper Sensor	E
3	Tray 1 No Feed	A1
5	Tray 2 No Feed	A1
6	Tray 3 No Feed	A1
8	Bypass Tray No Feed	A2
9	Duplex No Feed	Z
10	1st Tray Transport Sensor: Late Jam	A1
13	2nd Tray Transport Sensor: Late Jam	A1
14	3rd Tray Transport Sensor: Late Jam	A1
58	Bypass Feed Sensor: Lag Jam	A2
60	1st Tray Transport Sensor: Lag Jam	A1

Jam code	Jam description	Position code
63	2nd Tray Transport Sensor: Lag Jam	A1
64	3rd Tray Transport Sensor: Lag Jam	A1
18	Main Relay Sensor: Late Jam	B
18	Main Relay Sensor: Late Jam	B
19	Registration Sensor: Late Jam	B
68	Main Relay Sensor: Lag Jam	B
69	Registration Sensor: Lag Jam	B
22	PTB Paper Sensor: Late Jam	C
24	Fusing Exit Sensor: Late Jam	D
72	PTB Paper Sensor: Lag Jam	C
74	Fusing Exit Sensor: Lag Jam	D
25	Invert/Entrance Sensor: Late Jam	E
26	Invert/Exit Sensor: Late Jam	E
28	Exit Invert Sensor: Late Jam	E
29	ExitRelay Sensor: Late Jam	E
30	Exit Sensor: Late Jam	E
75	Invert/Entrance Sensor: Lag Jam	E
76	Invert/Exit Sensor: Lag Jam	E
78	Exit Invert Sensor: Lag Jam	E
79	Exit Relay Sensor: Lag Jam	E
80	Exit Sensor: Lag Jam	E
31	Invert/Duplex Sensor: Late Jam	E

Jam code	Jam description	Position code
33	Duplex Entrance Sensor: Late Jam	Z
34	Duplex Transport Sensor 1: Late Jam	Z
35	Duplex Transport Sensor 2: Late Jam	Z
36	Duplex Transport Sensor 3: Late Jam	Z
37	Duplex Transport Sensor 4: Late Jam	Z
38	Duplex Exit Sensor: Late Jam	Z
81	Invert/Duplex Sensor: Lag Jam	E
83	Duplex Entrance Sensor: Lag Jam	Z
84	Duplex Transport Sensor 1: Lag Jam	Z
85	Duplex Transport Sensor 2: Lag Jam	Z
86	Duplex Transport Sensor 3: Lag Jam	Z
87	Duplex Transport Sensor 4: Lag Jam	Z
88	Duplex Exit Sensor: Lag Jam	Z
95	Multi feed (front) detected	B
96	Timing lost	Only the location of remaining paper is displayed.
97	Shift cover	Z
98	Paper thickness error	B
99	Multi feed (back) detected	B

5.22.3 LCIT RT4020 (D709)

Jam code	Jam description	Position code
1	Paper Feed Sensor	U
1	Paper Transport Sensor	B3
7	LCT No Feed	U
57	Paper Feed Sensor: Lag Jam	U
17	Paper Transport Sensor: Late Jam	U
67	Paper Transport Sensor: Lag Jam	B3

5.22.4 LCIT RT4030 (D710)

Jam code	Jam description	Position code
1	LCT Feed Sensor	U
1	LCT Transport Sensor	U
1	LCT Exit Sensor	U
1	Relay Sensor	B3
7	LCT No Feed	U
57	LCT Feed Sensor: Lag Jam	U
15	LCT Transport Sensor: Late Jam	U
65	LCT Transport Sensor: Lag Jam	U
16	Relay Sensor: Late Jam	U
66	LCT Exit Sensor: Lag Jam	U
17	Relay Sensor: Late Jam	U
67	Relay Sensor: Lag Jam	B3

5.22.5 FINISHER SR4090 (D703)

Jam code	Jam description	Position code
1	Entrance Sensor	R1-R5
1	Horizontal Transport Sensor	R1-R5
1	Switchback Transport Sensor	R1-R5
1	Proof Tray Paper Exit Sensor	R1-R5
1	Shift Tray Paper Exit Sensor	R1-R5
150	Entrance Sensor: Late Jam	R1-R5
151	Entrance Sensor: Lag Jam	R1-R5
152	Horizontal Transport Sensor: Late Jam	R1-R5
153	Horizontal Transport Sensor: Lag Jam	R1-R5
154	Switchback Transport Sensor: Late Jam	R1-R5
155	Switchback Transport Sensor: Lag Jam	R1-R5
156	Proof Tray Jam	R1-R5
157	Shift Tray Jam	R1-R5
159	Entrance Transport Motor Jam	R1-R5
160	Horizontal Transport Motor Jam	R1-R5
161	Pre Stack Transport Motor Jam	R1-R5
162	Middle Transport Motor Jam	R1-R5
163	Tray Exit Motor Jam	R1-R5

Jam code	Jam description	Position code
164	Trailing Edge Pressure Plate Motor Jam	R1-R5
165	Paper Exit Gate Motor Jam	R1-R5
166	Punch Motor Jam	R1-R5
167	Punch Drive Motor Jam	R1-R5
168	Paper Position Sensor Side Motor Jam	R1-R5
169	Lower Junction Gate Motor Jam	R1-R5
170	Jogger Motor Jam	R1-R5
171	Positioning Roller Motor Jam	R1-R5
172	Feed Out Motor Jam	R1-R5
173	Corner Stapler Movement Motor Jam	R1-R5
174	Corner Stapling Motor Jam	R1-R5
183	Tray Lift Motor Jam	R1-R5
184	Shift Motor Jam	R1-R5
185	Shift Jogger Front Motor Jam	R1-R5
186	Shift Jogger Rear Motor Jam	R1-R5
187	Shift Jogger Retraction Motor Jam	R1-R5
188	Stacking Roller Motor Jam	R1-R5
189	Leading Edge Guide Motor Jam	R1-R5
190	Main Machine Data Corrupt	R1-R5

5.22.6 BOOKLET FINISHER SR4100 (D704)

Jam code	Jam description	Position code
1	Entrance Sensor	R1-R5
1	Horizontal Transport Sensor	R1-R5
1	Switchback Transport Sensor	R1-R5
1	Proof Tray Paper Exit Sensor	R1-R5
1	Shift Tray Paper Exit Sensor	R1-R5
1	Booklet Paper Exit Sensor	R6-R11
150	Entrance Sensor: Late Jam	R1-R5
151	Entrance Sensor: Lag Jam	R1-R5
152	Horizontal Transport Sensor: Late Jam	R1-R5
153	Horizontal Transport Sensor: Lag Jam	R1-R5
154	Switchback Transport Sensor: Late Jam	R1-R5
155	Switchback Transport Sensor: Lag Jam	R1-R5
156	Proof Tray Jam	R1-R5
157	Shift Tray Jam	R1-R5
158	Booklet Tray Jam	R6-R11
159	Entrance Transport Motor Jam	R1-R5
160	Horizontal Transport Motor Jam	R1-R5
161	Pre Stack Transport Motor Jam	R1-R5
162	Middle Transport Motor Jam	R1-R5
163	Tray Exit Motor Jam	R1-R5
164	Trailing Edge Pressure Plate Motor Jam	R1-R5
165	Paper Exit Gate Motor Jam	R1-R5

Jam code	Jam description	Position code
166	Punch Motor Jam	R1-R5
167	Punch Drive Motor Jam	R1-R5
168	Paper Position Sensor Side Motor Jam	R1-R5
169	Lower Junction Gate Motor Jam	R1-R5
170	Jogger Motor Jam	R1-R5
171	Positioning Roller Motor Jam	R1-R5
172	Feed Out Motor Jam	R1-R5
173	Corner Stapler Movement Motor Jam	R1-R5
174	Corner Stapling Motor Jam	R1-R5
175	Booklet Jogger Motor Jam	R6-R11
176	Booklet Guide Motor Jam	R6-R11
177	Booklet Fence Motor Jam	R6-R11
178	Booklet Stapling Motor Jam	R6-R11
179	Movement Roller Transport Motor Jam	R6-R11
180	Folding Transport Motor Jam	R6-R11
182	Press Folding Motor Jam	R6-R11
183	Tray Lift Motor Jam	R1-R5
184	Shift Motor Jam	R1-R5
185	Shift Jogger Front Motor Jam	R1-R5
186	Shift Jogger Rear Motor Jam	R1-R5
187	Shift Jogger Retraction Motor Jam	R1-R5
188	Stacking Roller Motor Jam	R1-R5

Jam code	Jam description	Position code
189	Leading Edge Guide Motor Jam	R1-R5
190	Main Machine Data Corrupt	R1-R5

5.22.7 FINISHER SR4110 (D707)

Jam code	Jam description	Position code
1	Entrance Sensor	R1-3
1	Proof Tray Exit Sensor	R1-3
1	Proof Tray Exit Sensor	R1-3
1	Stapler Exit Sensor	R4-8
1	Pre-Stack Sensor	R4-8
100	Entrance: Late Jam	R1-3
101	Entrance: Lag Jam	R1-3
102	Proof Tray Exit: Late Jam	R1-3
103	Proof Tray Exit: Lag Jam	R1-3
104	Shift Tray Exit: Late Jam	R1-3
105	Shift Tray Exit: Lag Jam	R1-3
106	Stapler Exit: Late Jam	R4-8
107	Stapler Exit: Lag Jam	R4-8
108	Pre-stack Tray: Late Jam	R4-8
109	Pre-Stack Tray: Lag Jam	R4-8
110	Output Jam	R4-8
111	Drive Mechanism Jam	R1-3

Jam code	Jam description	Position code
112	Tray Lift Motor Jam	R1-3
113	Jogger Motor Jam	R4-8
114	Shift Motor Jam	R1-3
115	Stapling Motor Jam	R8-10
116	Output Motor Jam	R4-8
117	Punch Motor Jam	R1-3
118	Z-Fold Motor Jam	R4-8
119	Pre-Stack Drive Mechanism Jam	R4-8
120	Main Machine Data Corrupt	R1-3

5.22.8 MULTI FOLDING UNIT FD4000 (D615):

Jam code	Jam description	Position code
1	Entrance Sensor	N1 to N5
1	Horizontal Path Exit Sensor	N1 to N5
1	Top Tray Exit Sensor	N1 to N5
1	Top Tray Paper Path Sensor	N1 to N5
1	Registration Sensor	N6 to 22
1	1st Stopper Paper Sensor	N6 to 22
1	2nd Stopper Paper Sensor	N6 to 22
1	3rd Stopper Paper Sensor	N6 to 22
1	Horizontal Path Paper Sensor	N1 to N5
1	Bypass Entrance Paper	N6 to 22

Jam code	Jam description	Position code
1	Bypass Exit Paper Sensor	N6 to 22
200	Entrance Sensor: Late Jam	N1 to N5
201	Entrance Sensor: Lag Jam	N1 to N5
202	Top Tray Exit Sensor: Late Jam	N1 to N5
203	Top Tray Exit Sensor: Lag Jam	N1 to N5
204	Horizontal Path Exit Sensor: Late Jam	N1 to N5
205	Horizontal Path Exit Sensor: Lag Jam	N1 to N5
206	1st Stopper HP Sensor: Late Jam	N6 to N22
207	1st Stopper HP Sensor: Lag Jam	N6 to N22
208	2nd Stopper HP Sensor: Late Jam	N6 to N22
209	2nd Stopper HP Sensor: Lag Jam	N6 to N22
210	3rd Stopper HP Sensor: Late Jam	N6 to N22
211	3rd Stopper HP Sensor: Lag Jam	N6 to N22
212	Skew Correction Jam	N6 to N22
213	Folded Paper Path Jam	N1 to N5
214	Entrance JG Motor Jam	N1 to N5
215	1st Stopper Motor Jam	N6 to N22
216	2nd Stopper Motor Jam	N6 to N22
217	3rd Stopper Motor Jam	N6 to N22
218	Dynamic Roller Trans. Motor Jam	N6 to N22
219	Registration Roller Release Motor Jam	N6 to N22
220	Fold Plate Motor Jam	N6 to N22

Jam code	Jam description	Position code
221	Jogger Fence Motor Jam	N6 to N22
222	Direct-Send JG Motor Jam	N6 to N22
223	FM6 Pawl Motor Jam	N6 to N22
249	Main Machine Data Corrupt	N1 to N5,N6 to N22

5.22.9 MAIL BOX CS4010 (D708)

Jam code	Jam description	Position code
1	Transport Sensor 1	W
1	Transport Sensor 2	W
1	Transport Sensor 3	W
1	Transport Sensor 4	W
1	Transport Sensor 5	W
350	Transport Sensor 1: Late Jam	W
350	Transport Sensor 1: Lag Jam	W
351	Transport Sensor 2: Late Jam	W
351	Transport Sensor 2: Lag Jam	W
352	Transport Sensor 3: Late Jam	W
352	Transport Sensor 3: Lag Jam	W
353	Transport Sensor 4: Late Jam	W
353	Transport Sensor 4: Lag Jam	W
354	Transport Sensor 5: Late Jam	W
354	Transport Sensor 5: Lag Jam	W
361	Main Machine Data Corrupt	W

5.22.10 COVER INTERPOSER TRAY CI4010 (D711)

Jam code	Jam description	Position code
1	Feed Sensor	Q
1	Exit Sensor	Q
370	Feed Sensor: Late Jam or Lag Jam	Q
371	Exit Sensor: Late Jam or Lag Jam	Q
372	Bottom Plate Motor Jam	Q

5.22.11 COVER INTERPOSER TRAY CI4020 (D712)

Jam code	Jam description	Position code
1	1st Paper Feed Sensor	Q1
1	2nd Paper Feed Sensor	Q2
1	1st Transport Sensor	Q1
1	2nd Transport Sensor	Q2
1	1st Vertical Transport Sensor	Q1
1	2nd Vertical Transport Sensor	Q3 to Q4
1	Exit Sensor	Q3 to Q4
1	Entrance Sensor	Q3 to Q4

Jam code	Jam description	Position code
1	Exit Sensor	Q3 to Q4
300	1st Paper Feed Sensor: Late Jam	Q1
301	1st Paper Feed Sensor: Lag Jam	Q1
302	2nd Paper Feed Sensor: Late Jam	Q2
303	2nd Paper Feed Sensor: Lag Jam	Q2
304	1st Transport Sensor: Late Jam	Q1
305	1st Transport Sensor: Lag Jam	Q1
306	2nd Transport Sensor: Late Jam	Q2
307	2nd Transport Sensor: Lag Jam	Q2
308	1st Vertical Transport Sensor: Late Jam	Q1
309	1st Vertical Transport Sensor: Lag Jam	Q1
310	2nd Vertical Transport Sensor: Late Jam	Q3 to Q4
311	2nd Vertical Transport Sensor: Lag Jam	Q3 to Q4
312	Exit Sensor: Late Jam	Q3 to Q4
313	Exit Sensor: Lag Jam	Q3 to Q4
314	Entrance Sensor: Late Jam	Q3 to Q4
315	Entrance Sensor: Lag Jam	Q3 to Q4
316	Exit Sensor: Late Jam	Q3 to Q4
317	Exit Sensor: Lag Jam	Q3 to Q4
318	1st Lift Motor Jam	Q1
319	2nd Lift Motor Jam	Q2
320	1st Pick-up Motor Jam	Q1

Jam code	Jam description	Position code
321	2nd Pick-up Motor Jam	Q2
349	Main Machine Data Corrupt	Q3 to Q4

5.22.12 DECURL UNIT DU5020

Jam code	Jam description	Position code
1	Entrance Sensor	K1 to K4
1	Exit Sensor	K1 to K4
380	Entrance Sensor: Late Jam	K1 to K4
381	Exit Sensor: Late Jam	K1 to K4

5.22.13 BUFFER PASS UNIT TYPE 5020 (D751)

Jam code	Jam description	Position code
1	Transport Sensor 1	Kc1 to Kc9
1	Transport Sensor 2	Kc1 to Kc9
1	Transport Sensor 3	Kc1 to Kc9
1	Transport Sensor 4	Kc1 to Kc9
1	Transport Sensor 5	Kc1 to Kc9
1	Transport Sensor 6	Kc1 to Kc9
1	Transport Sensor 7	Kc1 to Kc9
1	Transport Sensor 8	Kc1 to Kc9
400	Transport Sensor 1: Late Jam	Kc1 to Kc9

Jam code	Jam description	Position code
401	Transport Sensor 1: Lag Jam	Kc1 to Kc9
402	Transport Sensor 2: Late Jam	Kc1 to Kc9
403	Transport Sensor 2: Lag Jam	Kc1 to Kc9
404	Transport Sensor 3: Late Jam	Kc1 to Kc9
405	Transport Sensor 3: Lag Jam	Kc1 to Kc9
406	Transport Sensor 4: Late Jam	Kc1 to Kc9
407	Transport Sensor 4: Lag Jam	Kc1 to Kc9
408	Transport Sensor 5: Late Jam	Kc1 to Kc9
409	Transport Sensor 5: Lag Jam	Kc1 to Kc9
410	Transport Sensor 6: Late Jam	Kc1 to Kc9
411	Transport Sensor 6: Lag Jam	Kc1 to Kc9
412	Transport Sensor 7: Late Jam	Kc1 to Kc9
413	Transport Sensor 7: Lag Jam	Kc1 to Kc9
414	Transport Sensor 8: Late Jam	Kc1 to Kc9
415	Transport Sensor 8: Lag Jam	Kc1 to Kc9
416	Main Machine Data Corrupt	Kc1 to Kc9

5.22.14 PLOCKMATIC BOOKLETMAKER

Jam code	Jam description	Position code
148	Plockmatic Bookletmaker Jam	Displayed by Plockmatic

5.22.15 GBC STREAM PUNCH

Jam code	Jam description	Position code
149	GBC Stream Punch Jam	Displayed by GBC

5.23 PAPER SIZE CODES

Paper size codes are as follows.

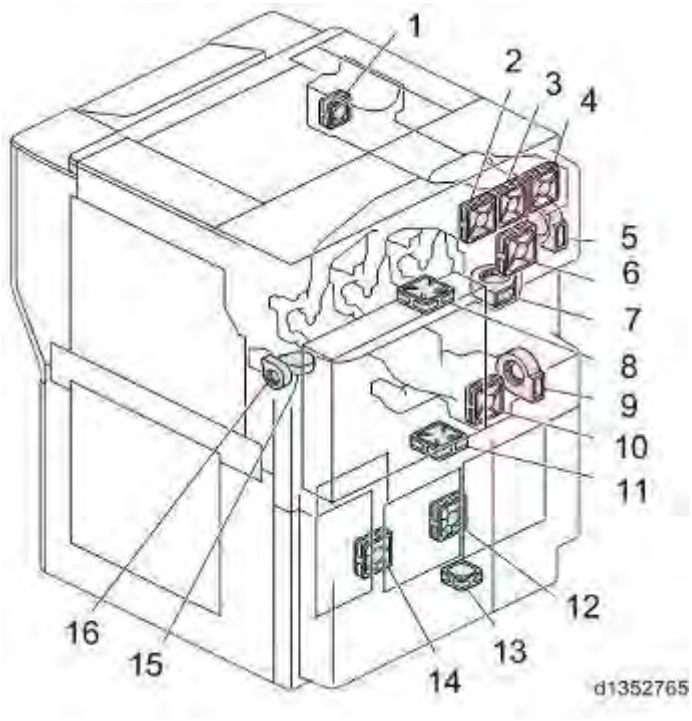
* The unit of Main Scan/Sub Scan Length is 0.1 mm.

Size Code	Paper Size Name	Orientation	Main Scan Length	Sub Scan Length
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” x 18”	SEF	3048	4572

5.24 FAN DEFECT DETECTION

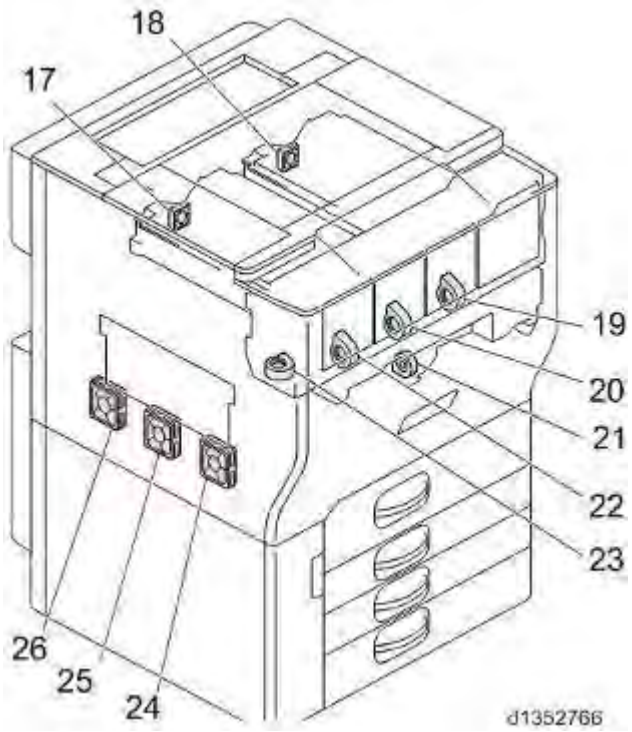
5.24.1 FAN LOCATIONS AND FAN SC

Main Machine (Rear)

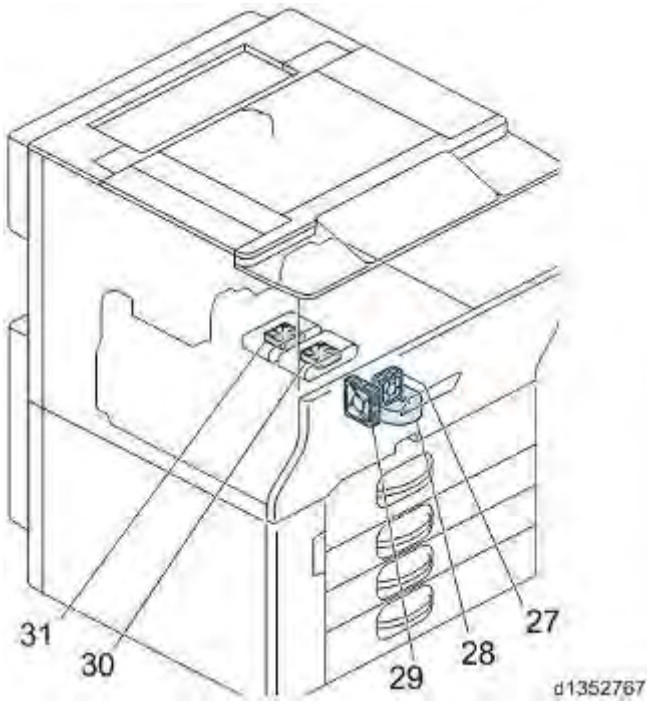


Main Machine (Front)

=



Drawer (Inside)



SC Code	SC Name	Fan of to be detected	Fan No.
SC531-01	Development Intake Fan (Y): Lock	Development Intake Fan (Y)	23
SC531-02	Development Intake Fan (M): Lock	Development Intake Fan (M)	22
SC531-03	Development Intake Fan (C): Lock	Development Intake Fan (C)	20
SC531-04	Development Intake Fan (K): Lock	Development Intake Fan (K)	19
SC531-05	Development Exhaust Fan (Right): Lock	Development Exhaust Fan (Right)	2
SC531-06	Development Exhaust Fan (Left): Lock	Development Exhaust Fan (Left)	3
SC530-01	Fusing Pressure Roller Intake Fan: Lock	Fusing Pressure Roller Intake Fan	28
SC530-02	Fusing Pressure Roller Exhaust Fan: Lock	Fusing Pressure Roller Exhaust Fan	9
SC530-03	Heat Pipe Panel Intake Fan: Lock	Heat Pipe Panel Intake Fan	1
SC530-04	Heat Pipe Panel Exhaust Fan: Lock	Heat Pipe Panel Exhaust Fan	4
SC530-05	Fusing Exit Exhaust Fan: Lock	Fusing Exit Exhaust Fan	5
SC530-06	ITB Cleaning Intake Fan: Lock	ITB Cleaning Intake Fan	21
SC530-07	IH Coil Power Cooling Fan: Lock	IH Coil Cooling Fan	27
SC530-08	PTR Fusing Exhaust Fan: Lock	PTR Fusing Exhaust Fan	10
SC530-09	IH Coil Power Cooling Fan: Lock	IH Coil Power Cooling Fan	13
SC532-01	Controller Intake Fan: Lock	Controller Intake Fan	11

SC Code	SC Name	Fan of to be detected	Fan No.
SC532-02	Controller Exhaust Fan: Lock	Controller Exhaust Fan	8
SC532-03	PSU Fan (Rgiht): Lock	PSU Fan (Rgiht)	14
SC532-04	PSU Fan (Left): Lock	PSU Fan (Left)	12
SC533-01	Laser Unit Cooling Fan (Right): Lock	Laser Unit Cooling Fan (Right)	18
SC533-02	Laser Unit Cooling Fan (Left): Lock	Laser Unit Cooling Fan (Left)	17
SC534-01	Duplex Exhaust Fan (Front): Lock	Duplex Exhaust Fan (Front)	24
SC534-02	Duplex Exhaust Fan (Rear): Lock	Duplex Exhaust Fan (Rear)	26
SC534-03	Duplex Exhaust Fan (Middle): Lock	Duplex Exhaust Fan (Middle)	25
SC535-02	Drive Exhaust Fan (Left): Lock	Drive Exhaust Fan (Left)	6
SC536-01	Fusing Heat Pipe Cooling Fan: Lock	Fusing Heat Pipe Cooling Fan	29
SC537-01	Ozone Exhaust Fan: Lock	Ozone Exhaust Fan	7
SC538-01	ID Sensor Cleaning Fan: Lock	ID Sensor Cleaning Fan / ITB Motor Cooling Fan	16, 15
SC539-01	PTB Fan (Front): Lock	PTB Fan (Front)	30
SC539-02	PTB Fan (Rear): Lock	PTB Fan (Rear)	31

5.25 ADJUSTMENT

5.25.1 ADJUSTMENT 001: ACC (AUTOMATIC COLOR CALIBRATION)

Overview

Color Calibration can be performed by the Automatic Color Calibration (ACC) in "Maintenance" in "User Tools".

There are two types of ACC.

- Copier Function ACC
- Printer Function ACC

ACC for the Printer Function has 5 modes according to the printer resolution.

Mode	Resolution		
Calibration 1	600 x 600 dpi	600dpi 1bit Photo/Text	
Calibration 2	1800 x 600 dpi	600dpi 2bit Photo/Text	Recommended Mode
Calibration 3	9000 x 600 dpi	600dpi 4bit Photo/Text	
Calibration 4	1200 x 1200 dpi	1200dpi 1bit Photo/Text	
Calibration 5	3600 x 1200 dpi	1200dpi 2bit Photo/Text	

Procedure

- Press [User Tools].
- To print a color pattern, select Maintenance> Auto Color Calibration.
- Touch [Start] for the selected function (Copier Function or Printer Function).
- If "Printer Function" is selected, resolution ("1800 x 600 dpi" for example) should be selected next.
- Touch "Start Printing". (The machine will print the Test Pattern after self-checking has been completed).
- Place the color test pattern face-down with the arrow aligned with the rear left corner of the exposure glass.
- Touch [Start Scanning] on the display. The machine scans the pattern one time.
- Remove the pattern from the exposure glass.
- Touch [Exit] three times to return to the Copy mode screen.

Note

- When scanning the color test pattern, place about 10 sheets of white paper over the test pattern, in order to prevent the test pattern from being away from the exposure glass.
- Please instruct the customer to perform the ACC periodically to keep good image quality.
- Both "Copier Function ACC" and "Printer Function ACC" should be performed as a set.
- ACC can be cancelled by pressing "Previous Settings" if the customer is not satisfied with the ACC results.

5.26 ADJUSTMENT 002: MANUAL GAMMA ADJUSTMENT

5.26.1 OVERVIEW

Printer Gamma can be adjusted with SP mode. Highlight (H), Shadow (S), Middle (M) and IDmax can be set independently from the range 0 through 30 (15 is the default).

5.26.2 PRINTER MODE ADJUSTMENT

Overview

6 types of adjustment mode exist as shown in table

Mode	SP number	Mode	SP number
2,400×600dpi Photo	SP1-102	2,400×600dpi Text	SP1-102
1,800×600dpi Photo	SP1-102	1,800×600dpi Text	SP1-102
600×600dpi Photo	SP1-102	600×600dpi Text	SP1-102

Adjustment Procedure

Perform ACC in Printer Function. Enter

Printer SP mode

Select the Mode to be adjusted with SP1102 (Resolution Setting)

Print out the Color Gray Scale pattern with SP1103-001.

SP1102 setting	Mode to be adjusted	Note
0	1200dpi 2bit Photo Gamma	
1	1200dpi 1bit Photo Gamma	
2	600dpi 4bit Photo Gamma	
3	600dpi 2bit Photo Gamma	Default in Printer Mode
4	600dpi 1bit Photo Gamma	
5	1200dpi 2bit Text Gamma	
6	1200dpi 1bit Text Gamma	
7	600dpi 4bit Text Gamma	
8	600dpi 2bit Text Gamma	Default in Printer Mode
9	600dpi 1bit Text Gamma	

Compare the IDmax patch pattern on the C-4 test chart for each color and the corresponding patch pattern on the Color Gray Scale printed with SP1103-001. (If no adjustment is required, go step #8).

See NOTE 3 about the corresponding patch pattern.

Adjust the IDmax for CMYK with SP1104 (Gamma Adjustment) and save the adjusted value with SP1105 (Save Toner Control Value).

Print out the Color Gray Scale pattern with SP1103-001 again.

Compare the Middle (M) patch pattern on the C-4 test chart for each color and the corresponding patch pattern on the Color Gray Scale printed with SP1103-001. (If no adjustment is required, go step #11).

See NOTE 3 about the corresponding patch pattern.

Adjust the Middle (M) for CMYK with SP1104 (Gamma Adjustment) and save the adjusted value with SP1105 (Save Toner Control Value).

Print out the Color Gray Scale pattern with SP1103-001 again.

Compare the Shadow (S) patch pattern on the C-4 test chart for each color and the corresponding patch pattern on the Color Gray Scale printed with SP1103-001. (If no adjustment is required, go step #14).

See NOTE 3 about the corresponding patch pattern.

Adjust the Shadow (S) for CMYK with SP1104 (Gamma Adjustment) and save the adjusted value with SP1105 (Save Toner Control Value).

Print out the Color Gray Scale pattern with SP1103-001 again.

Compare the Highlight (H) patch pattern on the C-4 test chart for each color and the corresponding patch pattern on the Color Gray Scale printed with SP1103-001. (If no adjustment is required, all adjustment is completed).

See NOTE 3 about the corresponding patch pattern.

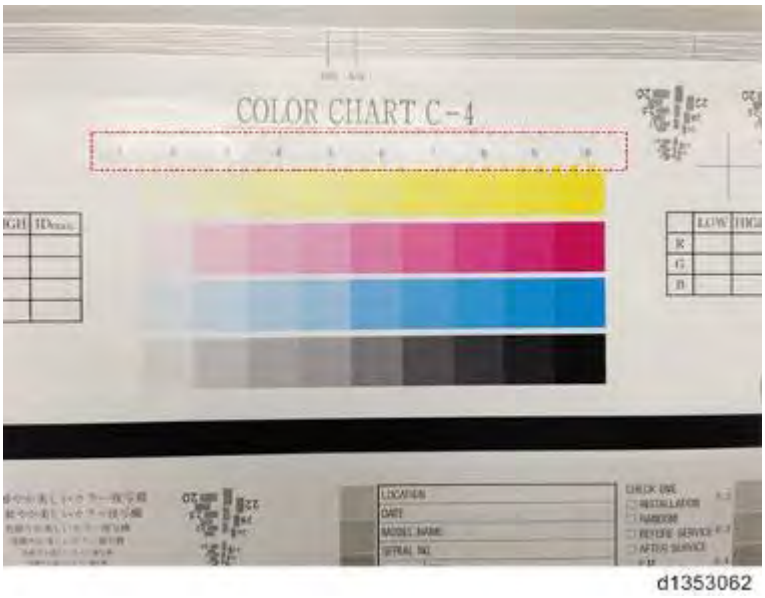
Adjust the Highlight (H) for CMYK with SP1104 (Gamma Adjustment) and save the adjusted value with SP1105 (Save Toner Control Value).

Turn the main power switch OFF and ON.

NOTE 1: Adjustment order should be IDmax -> Middle -> Shadow -> Highlight.
NOTE 2: SP1-104

Output ID	K	C	M
Highlight	SP1-104-001	SP1-104-021	SP1-104-041
Shadow	SP1-104-002	SP1-104-022	SP1-104-042
Middle	SP1-104-003	SP1-104-023	SP1-104-043
IDmax	SP1-104-004	SP1-104-024	SP1-104-044

NOTE 3: Cross reference between C-4 test chart and Color Gradation Patch Pattern on the C-4 test chart



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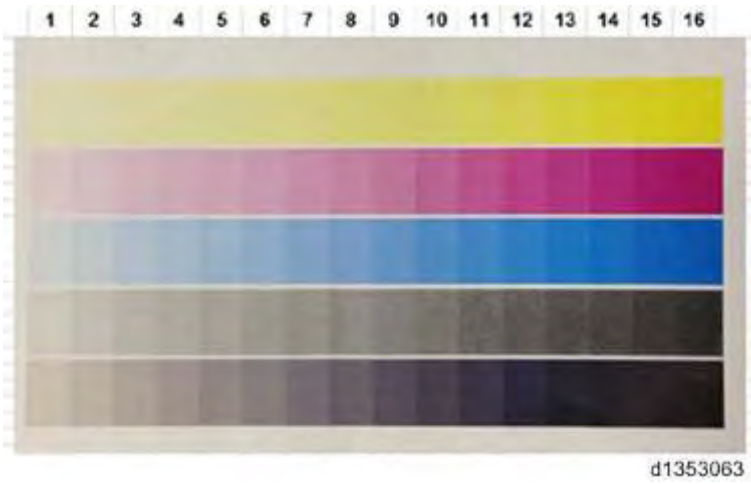
Highlight: 2-5

Middle: 3-7

Shadow: 6-9

IDmax: 10

Gradation Patch Pattern on Gray Scale printed with SP1-103-001



d1353063

The following table shows a cross reference between the gradation patch pattern on the C-4 test chart and the Gray Scale printed with SP1-103-001.

C-4 test chart		**1**	**2**	3	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Gray Scale	C	--	1	3	4	5	8	9	11	13	**15-16**

printed with SP1-103-001	M	1	2	5	6	7	10	12	14	15	16
	Y	1	3	5	7	9	10	13	14	15	16
	K	--	1	3	4	5	7	10	13	16	--

15-16	Very Close
14, 15, 16	Close
--	Corresponding Patch does not exit

Adjustment Item	Color	Gradation Patch Pattern Number	
		Gray Scale printed with SP1103-001	Color Chart C-4
IDmax	C	16	10
	M	16	10
	Y	16	10
	K	16	9
Middle (M)	C	8	6
	M	7	5
	Y	7	4
	K	7	6
Shadow (S)	C	13	9
	M	12	7
	Y	13	7
	K	13	8
Highlight (H)	C	5	5

Adjustment Item	Color	Gradation Patch Pattern Number	
		Gray Scale printed with SP1103-001	Color Chart C-4
	M	5	3
	Y	5	3
	K	4	4

5.26.3 COPIER MODE ADJUSTMENT

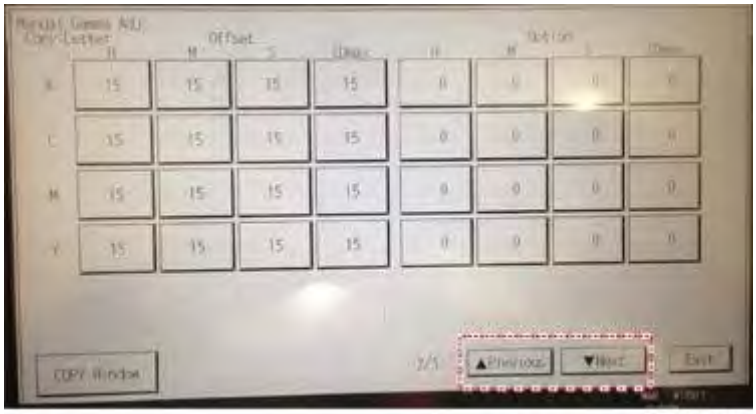
Overview

This procedure shows how to adjust the printer gamma by SP mode manually after the ACC (Automatic Color Calibration) has been performed. Adjustment should be performed only in the 'Offset' part of the screen, and not in the 'Option' part of the screen. Adjustable modes are "Text mode", "Photo mode", "B&W text mode" and "B&W photo mode".

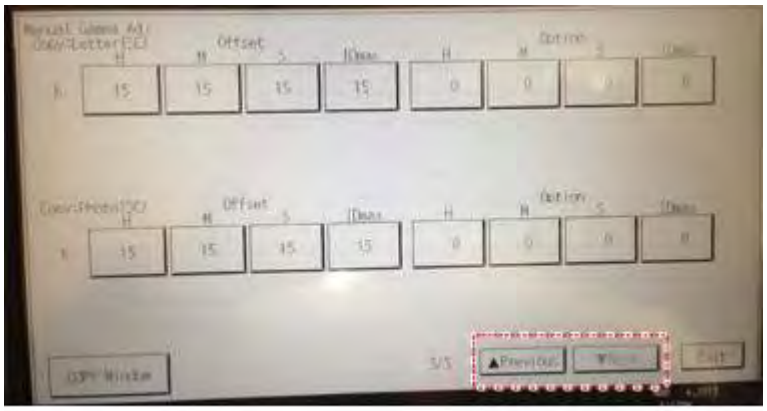
- Perform ACC in copier mode with User Tools.
- Take a copy of a C-4 test chart in the mode which you need to adjust.
- Enter Copier SP mode.
- Select SP4918-009 (Man Gamma Adj) and press "CHANGE"

- If you touch the "Change" button, the following 3 screens will be displayed. These screens can be changed by pressing the "Next" or "Previous" button.

d1353065



d1353066



d1353067

- Press the "Copy Window" button on the bottom left, then take a copy of the C-4 test chart. Then compare the gradation patch pattern on the copied image and the C-4 test chart.

Step	Output ID	C-4 chart level	Adjustment Reference
1	ID max		Adjust the 'Offset' value so
	(K/C/M/Y)	1 2 3 4 5 6 7 8 9 **10**	that the density of level 10 in the gradation patch pattern on the copy becomes the same as level 10 on the C-4 chart.
2	Middle (K/C/M/Y)	1 2 3 4 5 **6** 7 8 9 10	Adjust the 'Offset' value so that the density of level 6 in the gradation patch pattern on the copy becomes the same as level 10 on the C-4 chart.
3	Shadow (K/C/M/Y)	1 2 3 4 5 6 7 **8** 9 10	Adjust the 'Offset' value so that the density of level 8 in the gradation patch pattern on the copy becomes the same as level 10 on the C-4 chart.
4	Highlight (K/C/M/Y)	1 2 **3** 4 5 6 7 8 9 10	Adjust the 'Offset' value so that dirty background is not visible on the copy and the density of level 3 is slightly lighter that of level 3 on the C-4 chart.
5	K Highlight (K/C/M/Y)	1 2 **3** **4** **5** 6 7 8 9 10	Adjust the 'Offset' value so that black scale levels 3 through 5 in the copy are seen as gray (no C, M, or Y should be visible). If the black scale contains C, M, or Y, redo step 1 to 4. - Only in Photo mode -

5.27 ADJUSTMENT 003: SCANNER REGISTRATION

5.27.1 OVERVIEW

Scanning registration can be adjusted in the Main Scan and Sub Scan directions. Sub Scan Magnification can also be adjusted.

5.27.2 ADJUSTMENT PROCEDURE

Adjustment can be performed by the following SPs. In the**.** "Magnification and Registration Adjustment" section

1. SP4-011-001 (Main Scan Reg.): Registration in the Main Scan direction.
2. SP4-010-001 (Sub Scan Registration Adj): Registration in the Sub Scan direction.
3. SP4-008-001 (Sub Scan Magnification Adj): Magnification in the Sub Scan direction.

5.28 ADJUSTMENT 004: ADF REGISTRATION

5.28.1 OVERVIEW

Adjust the position and scaling applied to scanned images when using the ADF with the copier and scanner functions. By specifying this setting, you can correct image misalignment, expansion, and shrinkage due to non-uniform paper feeding.

This adjustment needs to be done before doing “Adjustment 005: Registration Adjustment”

5.28.2 ADJUSTMENT PROCEDURE

Adjustment can be performed by the following SPs. (☛page **Error! Bookmark not defined.** "Adjustment after Replacing the ADF")

1. ADF Adjustment Side-to-Side Regist: Front (SP6-006-001)
2. ADF Adjustment Side-to-Side Regist: Rear (SP6-006-002)
3. L-Edge Regist (1-pass): Front (SP6-006-010)
4. L-Edge Regist (1-pass): Rear (SP6-006-011)
5. DF Magnification Adj. (SP6-017-001)

5.29 ADJUSTMENT 005: REGISTRATION

5.29.1 OVERVIEW

This troubleshooting covers all the procedures involving registration adjustments; skew, image position and front-back magnification adjustment except ADF and scanner registration. Note that these procedures should be done BEFORE making registration adjustments on the Fiery controller and scanner/ADF of the machine.

5.29.2 CAUSE

Skew

1. Incorrect positioning of the side fence
2. Something in the paper path
3. Insufficient paper buckling at registration roller

Image Shift

4. Incorrect positioning of the side fence
5. Change during transport according to the paper characteristics, such as thickness and stickiness

Incorrect magnification between Front and Back

1. Incorrect positioning of the side fence
2. Paper Path Variation by paper Specification (Thick, stiffness etc)

5.29.3 CONTENTS

Step 1. Side fence check
Step 2. Skew Adjustment for front and back.
Step 3. Image Adjustment for front.
Step 4. Image Adjustment for back.
Step 5. Adjustment of magnification for back.

Step 1. Side fence check

Check the side fence status for each paper tray. If not correct, adjust the trays.

Step 2. Skew Adjustment for front and back.

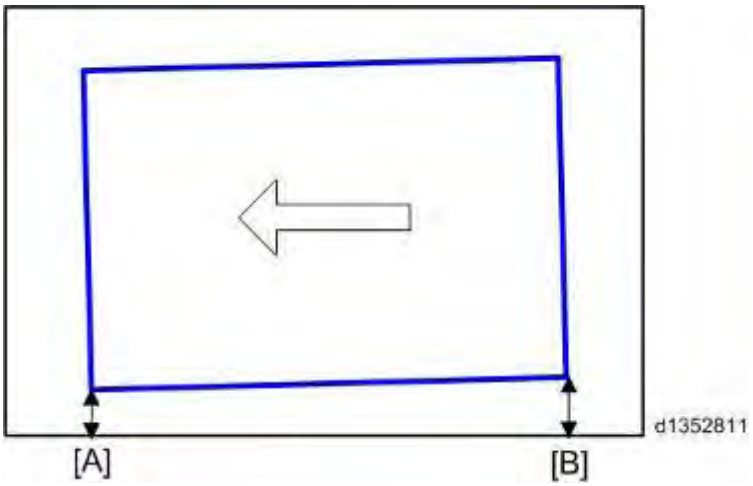
Step 2-1 Set A3 or DLT plain paper (63.1-80.0 gsm) in Tray 2 and apply the paper tray settings.

Step 2-2 Print 5 copies of the test pattern Trimming Area (SP2109-003-14) in b/w and simplex.

Step 2-3 Measure the two locations [A] and [B] on all 5 copies.

Step 2-4 You need to make an adjustment with SP1-004-001 so that the average values of [A] and [B] are the same.

Front Side (1st Side)



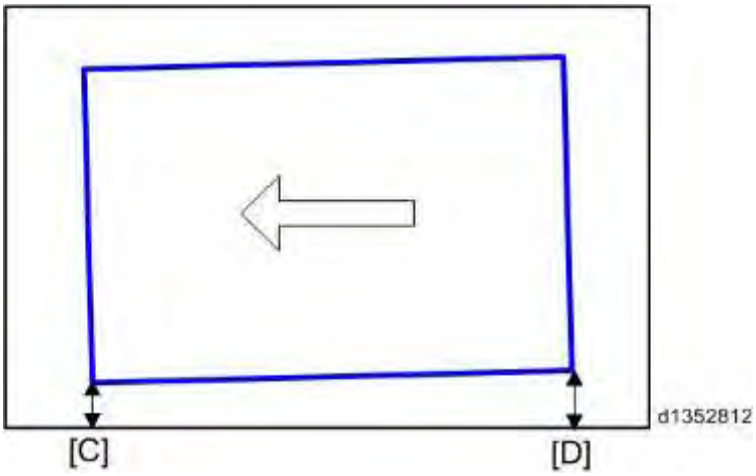
*The arrow indicates the paper feed direction

Step 2-5 Make another 5 copies, this time in duplex.

Step 2-6 Measure the locations [C] and [D] on the back side.

Step 2-7 You need to make an adjustment with SP1-004-003 so that the average values of [C] and [D] are the same.

Back Side (2nd Side)



*The arrow indicates the paper feed direction

Step 3. Image Adjustment for front

Step 3-1 Set A3 or DLT plain paper (63.1-80.0 gsm) in Tray 2 and apply the tray paper settings.

Step 3-2 Print 5 copies of the test pattern Trimming Area (SP2-109-003-14) in b/w, simplex.

Step 3-3 Measure the distance [A] and [B] on all 5 copies and calculate the average. **Step 3-4** You need to make an adjustment with SP1-003-XXX so that the average values of [A] and [B] are the same. Refer to 'Reference Information-2' below.

(You can make an adjustment for each paper type with SP1-952-XXX for IMSS setting in the Pro machine.)

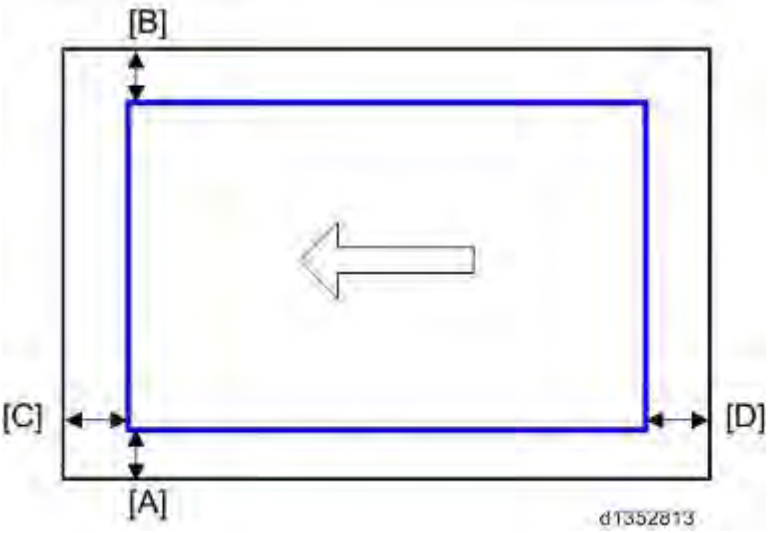
Step 3-5 You need to make an adjustment with SP1-001-XXX so that the average values of [A] and [B] are the same. Refer to 'Reference Information-2' below.

(You can make an adjustment for each paper type with SP1-950-XXX for IMSS setting in the Pro machine.)

Step 3-6 If you finished the adjustment, check that the value of [C] is more than 4mm.

Note

1. If the value of [C] is less than 4mm, a jam may occur because of the fusing stripper pawls.
2. So adjust the value of [C] so that it is more than 4mm.



*The arrow indicates the paper feed direction

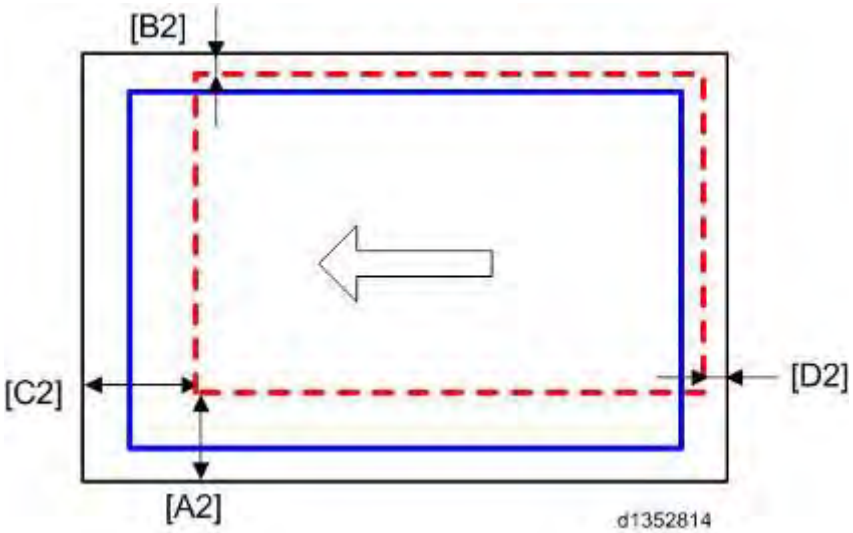
Step 4. Image Adjustment for back

Step 4-1 Print 11 copies of the test pattern Trimming Area (SP2-109-003-14) in b/w, duplex, and select 5 copies (from the 4th to the 8th copy) from among the 11.

Note

- The first and the last 3 copies will not be used due to the higher possibility of image size variations.

Step 4-2 Measure the distances [A2], [B2], [C2] and [D2] on all 5 copies and calculate the average.



*The arrow indicates the paper feed direction Solid line: Trimming area 1st side

Dashed line: Trimming area 2nd side

Step 4-3 You need to make an adjustment with SP1-003-006 so that the average values of [A2] and [B2] are the same. Refer to 'Reference Information-3' below.

(You can make an adjustment for each paper type with SP1-953-XXX for IMSS setting in a Pro machine.)

Step 4-4 You need to make an adjustment with SP1-001-003 so that the average values of [C2] and [D2] are the same. Refer to 'Reference Information-3' below.

(You can make an adjustment for each paper type with SP1-951-XXX for IMSS setting in a Pro machine.)

Step 5. Adjustment of magnification for back.

Step 5-1 Set A3 or DLT plain paper (63.1-80.0 gsm) in Tray 2 and apply the tray paper settings.

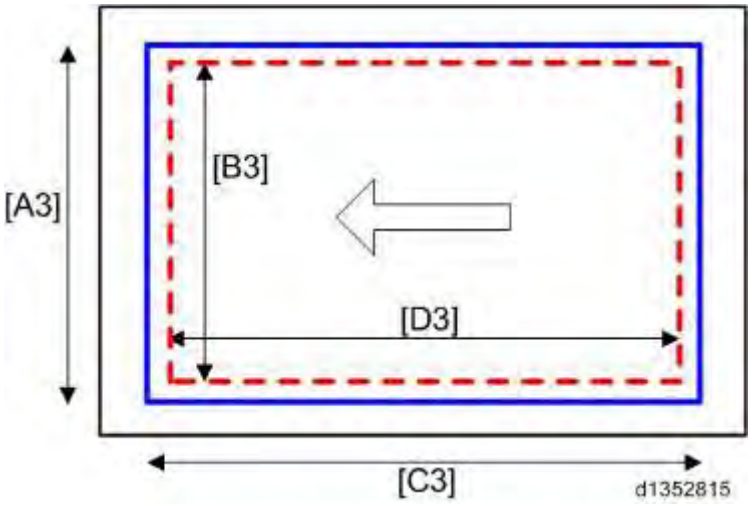
Step 5-2 Print 5 copies of the test pattern Trimming Area (SP2109-003-14) in b/w, Duplex.

Step 5-3 Measure the distance [A] and [B] on all 5 copies and calculate the average. **Step 5-4** You need to make an adjustment with SP2-102-043 so that the average values of [A3] and [B3] are the same. Refer to 'Reference Information-4' below.

(You can make an adjustment for each paper type with SP2-952-XXX for IMSS setting in a Pro machine.)

Step 5-5 You need to make an adjustment with SP2-102-044 so that the average values of [C3] and [D3] are the same. Refer to 'Reference Information-4' below.

(You can make an adjustment for each paper type with SP2-953-XXX for IMSS setting in a Pro machine.)



Reference Information-1 (Step 2. Skew adjustment for front and back)

- Check the SP value for the tray being used.
- Increase the value of the SP by 1 mm.
  1. Example: If the current value is 1 mm, input 2 mm into the SP.
- Print out.

  If you can't solve the skew, repeat steps 1 to 3.

Pro/Office	Number	Description	Adjustment area
SP	SP1-004-001	Reg buckle Adj(Tray 1,2,3,4)	±5.0mm
SP	SP1-004-003	Reg buckle Adj(Duplex)	±5.0mm

Reference Information-2 (Step 3. Image Adjustment for front) Side-to-Side Registration

- Do the following calculation: ((average [B] - (average [A])/2 = X
- Add X to the current values in SP1003. (If you use IMSS, SP1950)

SP1003 Side-to-Side Reg	Current SP Value	X	Modified Value
Tray 1			
Tray 2			

SP1003 Side-to-Side Reg	Current SP Value	X	Modified Value
Duplex Tray			
A3LCT Tray 3			
A3LCT Tray 4			
A3LCT Tray 5			
Bypass Tray			

Examples

SP1003 Side-to-Side Reg	Current SP Value	X	Modified Value
Example 1.	1.0	0.1	**1.1**
Example 2.	1.0	-0.2	**0.8**

Pro/Office	Number	Description	Adjustment Area
SP	SP1-003-XXX	Side-to-Side Reg	±3.0mm

[For IMSS]

Pro	Number	Description	Adjustment Area
IMSS	08	Adjust Image Position of Side 1 Across Feed Direction (Each Custom Papers)	±3.0mm
SP	SP1-952-XXX	S-to-S Regist Adj (Each Custom Papers)	±3.0mm

Lead Edge Registration

- Do the following calculation: ((average [C] - (average[D])/2 = Y
- Add Y to the current values in SP1001. If you use IMSS, SP1950

SP1001 Side-to-Side Reg	Current SP Value	X	Modified Value
Tray 1			
Tray 2			
Duplex Tray			
A3LCT Tray 3			
A3LCT Tray 4			
A3LCT Tray 5			
Bypass Tray			

Pro/Office	Number	Description	Adjustment Area
SP	SP1-001-XXX	Lead Edge Reg (Each trays)	±3.0mm

[For IMSS]

Pro	Number	Description	Adjustment Area
IMSS	06	Adjust Image Position of Side 1 With Feed Direction (Each Custom Papers)	±3.0mm
SP	SP1-950-XXX	L-Edge Regist Adj (Front) (Each Custom Papers)	±5.0mm

Reference Information-3 (Step 4. Image Adjustment for back)

1. Do the following calculation:

   (average [B2] - (average [A2])/2 = x (average [C2]) - (average [D2])/2 = y
2. Make an adjustment in the same way as front image position adjustment.
3. Make a print out and check it.

   If you can't solve the magnification problem, repeat steps 1 to 3.

Pro/Office	Number	Description	Adjustment Area
SP	SP1-003-006	Side-to-Side Reg (Duplex)	±3.0mm
SP	SP1-001-003	Lead Edge Reg (Duplex)	±9.0mm

For IMSS

Pro	Number	Description	Adjustment Area
IMSS	09	Adjust Image Position of Side 2 Across Feed Direction	±3.0mm
IMSS	07	Adjust Image Position of Side 2 With Feed Direction	±9.0mm
SP	SP1-953-XXX	S-to-S Regist Adj (Rear) (Each Custom papers)	±3.0mm
SP	SP1-951-XXX	L-Edge Regist Adj (Rear) (Each Custom papers)	±9.0mm

Reference Information-4 (Step 5. Adjustment of magnification for back)

- Do the following calculation: average
  [A3]/average [B3]-1 = A average
  [C3]/average [D3]-1 = C
- Add A to the current values in SP2102-043. (If IMSS, SP2952)
- Add C to the current values in SP2102-044. (If IMSS, SP2953)
- Make a print out and check it.
  If you can't solve the magnification problem, repeat steps 1 to 4.

Pro/Office	Number	Description	Adjustment Area
SP	SP2-102-043	Verso Main Meg set& Adj	±0.5%
SP	SP2-102-044	Verso Main Sub set& Adj	±0.5%

For IMSS

Pro	Number	Description	Adjustment Area
IMSS	12	Adjust Magnification of Side 2 Across Feed Direction (Each Custom Papers)	±0.5%
IMSS	13	Adjust Magnification of Side 2 With Feed Direction (Each Custom Papers)	±0.5%
SP	SP2952-XXX	Verso Main Meg set& Adj (Each Custom Papers)	±0.5%
SP	SP2-953-XXX	Verso Main Sub set& Adj (Each Custom Papers)	±0.5%

Note

Adjustment step is 0.025%

5.30 ADJUSTMENT 006: FUSING NIP WIDTH ADJUSTMENT FOR ENVELOPES

5.30.1 OVERVIEW

Adjust the nip width between the fusing belt and pressure roller for envelope printing.
Changing this setting may lead to insufficient fusing or cause the envelopes to wrinkle. When encountering such problems, do the following adjustment.

5.30.2 ADJUSTMENT PROCEDURE

To correct insufficient fusing, increase the value in the following SP by 5msec and check the result.
To correct wrinkles, decrease the value in the following SP by 5msec and check the result.

Pro/Office	Number	Description	Adjustment Area
SP	SP1-996-109 to 254	Envelope Nip Width Setting	0 to 2000msec

For IMSS

Pro	Number	Description	Adjustment Area
IMSS	85	Fusing Nip Width Adjustment for Envelope (Custom papers)	0 to 2000msec
SP	SP1-996-001 to 100	Envelope Nip Width Setting (Custom papers)	0 to 2000msec

5.31 ADJUSTMENT 007: ADJUSTMENTS REQUIRED FOR IMPROVED GLOSSINESS

5.31.1 OVERVIEW

What to do when the customer is not satisfied with the glossiness of the copies made with the suggested temperature is described below.

Note

Note that the adjustment procedures for Pro C5110S/Pro C5100S and MP C8002SP/MP C6502SP Office differ.

5.31.2 ADJUSTMENTS REQUIRED FOR IMPROVED GLOSSINESS (PRO C5110S /PRO C5100S)

1. In the SP mode or IMSS, increase the fusing heat roller temperature until the desired glossiness is achieved.

SP1-984-XXX	Htg Roller Temp Setting	0 to 200 °C
IMSS setting #74	Fusing Heat Roller Temperature Adjustment	

Note

- Do not set the temperature higher than 180°C.
- Following are possible side effects:
  Paper curls and jams
  Gloss streaks
  Blisters on coated paper Reduced gloss

2. Make 50 copies in A4/LT SEF and check the results.
3. If the results are unsatisfactory, set the process speed to “Low” in the SP mode or IMSS.

SP1-986-XXX	“**3**” (default: 0)
IMSS setting #15: Process Speed Setting	Paper thickness 1 to 5: “**1**” (default: 0) → 55.8ppm Paper thickness 6: “**3**” (default: 1) → 35.7ppm

4. For the process speed adjustment to take effect, turn the machine power OFF and then ON.

5.31.3 ADJUSTMENTS REQUIRED FOR IMPROVED GLOSSINESS (MP C8002SP/MP C6502SP)

In [Tray Paper Settings] – [Paper Type], select **[Coated Paper (Glossy)]**.

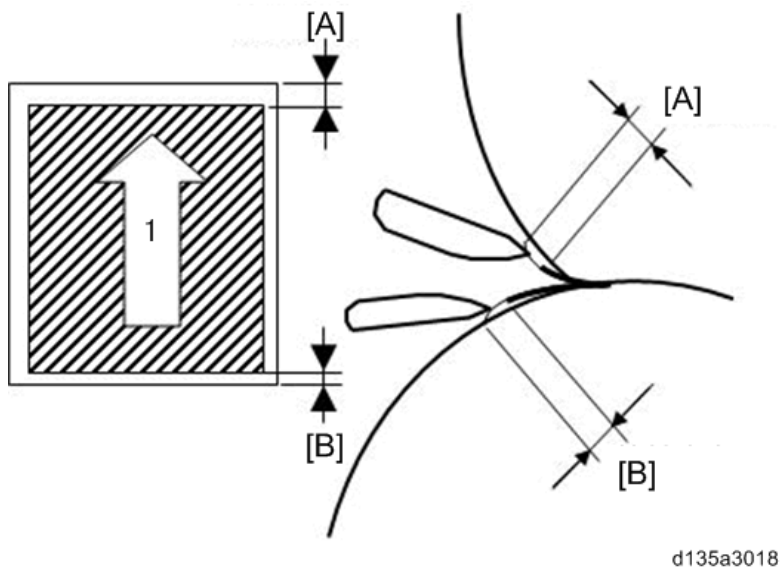
Note

This will increase the temperature of fusing roller but will also slow down the processing speed.

5.32 ADJUSTMENT 008: MARGIN ADJUSTMENT

5.32.1 OVERVIEW

Procedure for adjusting the leading edge margin [A] and trailing edge margin [B] is described below.



1: Paper feed direction

Note

Narrowing the margin too much may cause the side edge of the paper to be dirty.
Take care because if you narrow the margin too much, paper may jam in the fusing unit separation unit and damage the fusing unit.

5.32.2 MARGIN ADJUSTMENT

- Adjust the margins using the following SPs.
  Leading edge margin adjustment

Pro/Office	SP No.	SP Name	Value
Pro/Office	SP2-122-201 to 254	[Erase Margin Adj Leading Edge] (for each paper type/thickness)	-3 to 6mm
Pro	SP2-122-001 to 100	[Erase Margin Adj Leading Edge] (for each custom paper)	-3 to 6mm

Pro/Office	IMSS setting No.	IMSS setting	Value
Pro	10	Adjust Erase Margin of Leading Edge (for each custom paper)	-3 to 6mm

Trailing edge margin adjustment

Pro/Office	SP No.	SP Name	Value
Pro/Office	SP2-123-201 to 254	[Erase Margin Adj Trailing Edge] (for each paper type/thickness)	-3 to 6mm
Pro	SP2-123-001 to 100	[Erase Margin Adj Trailing Edge] (for each custom paper)	-3 to 6mm

Pro/Office	IMSS setting No.	IMSS setting	Value
Pro	11	Adjust Erase Margin of Trailing Edge (for each custom paper)	-3 to 6mm

Important

1. Adjust this SP in increments of ±0.5mm. Higher values will increase the margin, while lower values will decrease the margin.

- Make some test prints (simplex and duplex) and make sure that fusing jams and side edge smudges do not occur.

5.33 ADJUSTMENT 009: STAPLE MISALIGNMENT (3 MM OR MORE) OCCURS

5.33.1 SYMPTOM

Staple misalignment (3mm or more) occurs.

Sample:

d135a3136

5.33.2 CAUSE

Cause 1:

The paper contacts the jogger fence and skews inside the staple tray during standby.

Cause 2:

The side to side registration is not aligned when the paper is being transported from the mainframe to the finisher.

5.33.3 SOLUTION

Production line

The shape of the bracket was changed and applied from the following cut-in S/N:

Model	Cut-in S/N
D688-17	E783Q810001
D689-17	E793Q910001
D703-17	E433Q810077
D704-17	E443Q810008

In the field For Cause 1:

Update the firmware to Ver. 02.000.10 or newer.

For Cause 2:

Increase the width of the jogger fences when in standby mode from 7mm to 10mm.
See procedure below.

Procedure

Attach the modified docking bracket to make it possible to adjust side-to-side registration at joint between mainframe and finisher in accordance with the procedure below.

Secure the docking bracket [A] in its default attachment position (x 4).

Default attachment position (The screw head is centered)

Check the side-to-side registration by exiting to the proof tray.

1. Print out an A3 sheet to the proof tray.
2. Using the markings on the front-most exit roller (see photo below), check to see where the paper edge is located when the paper is exited. For purposes of accuracy, print out about 5 sets.

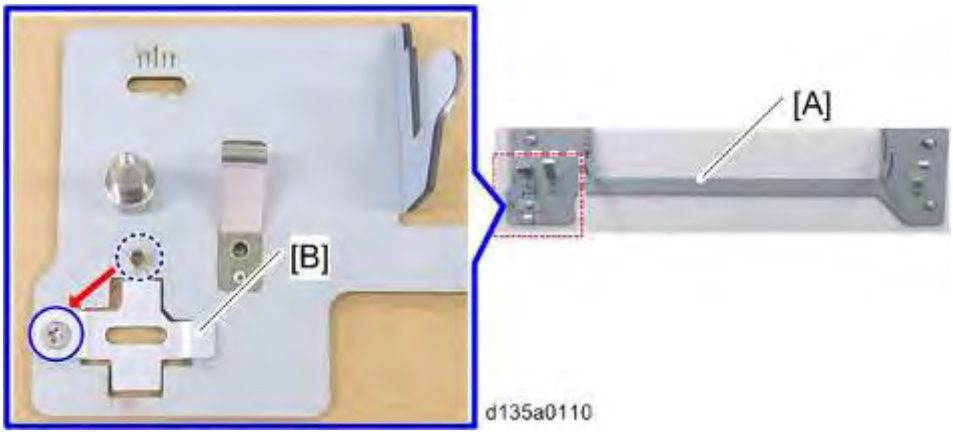
[A]: Make sure to use the markings on the FRONT exit rollers. The roller markings at the rear side are for DLT sized paper only, and do not apply to this.

[B]: Front exit rollers

[C]: Each marking represents 2mm. If the paper edge is lined up with the center marking, this means the paper is aligned correctly. If the paper edge is lined up with any marking to the right of center, this means the paper is shifted toward the front. If the paper edge is lined up with any marking to the left of center, this means the paper is shifted toward the rear.

[D]: Center marking

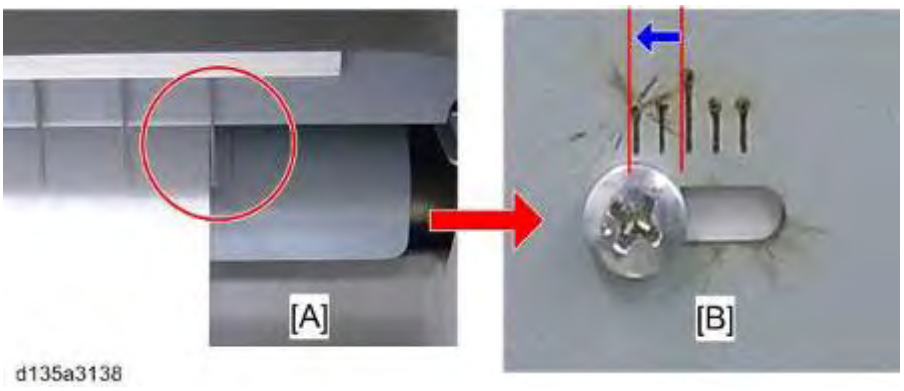
Attach the small bracket [B] to the docking bracket [A] as shown (using the screw hole shown by the red arrow), which will allow the docking bracket to slide side-to-side. Then, reattach the docking bracket to the machine.



1. If the paper shifts forward (toward the operator side), slide the docking bracket by the same amount in the same direction. This is to move the Finisher toward the operator side.

   Note: Each scale marking represents 2mm.

   Ex: Paper is shifted 4mm from center toward the front



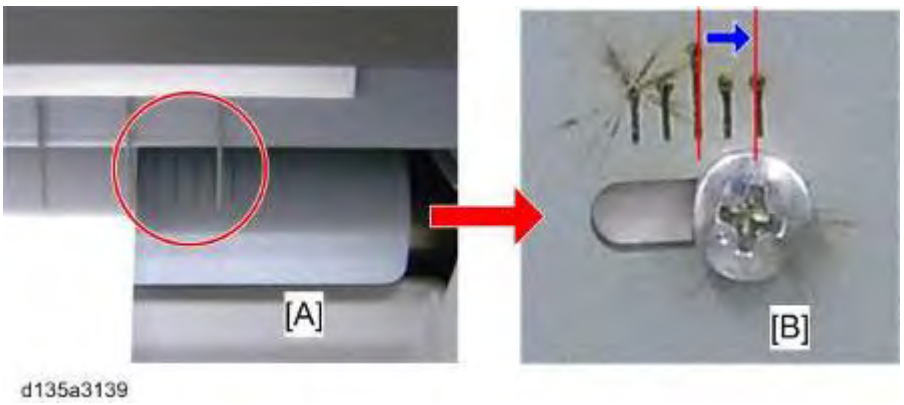
d135a3138

[A]: Proof tray

[B]: Docking BKT screw

2. If the paper shifts toward the rear (non-operator side), slide the bracket in the same direction as described below.

   Ex: Paper is shifted 4mm from center toward the rear



d135a3139

[A]: Proof tray

[B]: Docking BKT screw

Check the side-to-side registration by printing out to the proof tray.

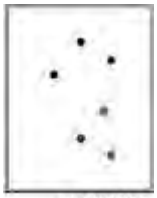
If the registration is still not corrected, do Steps 3 onward one more time.

5.34 IMAGE QUALITY - DEFINITIONS OF ABNORMAL IMAGES

5.34.1 LARGE CLASSIFICATION: POINTS

1. Middle classification1: Spots

Definition: White spots seen in solid image areas or black/color spots seen where there should be nothing printed. The description "white spots" excludes those with toner cores.

Middle classification2	Sample	Definition
Black (color) spots	 d1352869	Stains are visible as crisp black (color) spots.
White spots	d1352870	White spots are visible inside solid image or halftone image area because of missing toner.
Spots with toner	d1352871	Toner aggregated inside the machine has been transferred to paper.
White spots with toner cores	d1352872	White spots with pieces of aggregated toner in the center visible in solid color area. Pieces of aggregated toner may be irremovable.

Middle classification2	Sample	Definition
Fish-shape stains	d1352873	Stains in the shape of small fish which appear to be swimming in the paper feed direction.

5.34.2 LARGE CLASSIFICATION: LINES

Middle classification1: Streaks

Definition: A smudge or a white area inside an image, in a linear shape with 1mm or smaller width.

Middle classification2	Sample	Definition
Vertical black (color) streaks	d1352874	Black (color) streaks appearing in the paper feed direction.
Vertical white streaks	d1352875	Image missing in the shape of streaks in the paper feed direction.
Horizontal black (color) streaks	d1352876	Black (color) streaks appearing in the direction perpendicular to the paper feed direction.

Middle classification2	Sample	Definition
Horizontal white streaks	d1352877	Image missing in the shape of streaks in the direction perpendicular to the paper feed direction.
Horizontal glossy streaks	d1352878	Glossy streaks appearing in the paper feed direction.
Horizontal white streaks	d1352879	Glossy streaks appearing in the direction perpendicular to the paper feed direction.
Image scratches	d1352880	Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.

Middle classification1: Bands

Definition: A smudge or a white area inside an image, in a linear shape with 1mm or larger width.

Middle classification2	Sample	Definition
Jitter	d1352881	Blurred area visible as bands in the direction perpendicular to the paper feed direction.

Middle classification2	Sample	Definition
Banding	d1352882	Pitch banding in the direction perpendicular to the paper feed direction. (Gear eyes: Color unevenness in the same interval as the pitch of the gear.)
Vertical white bands	d1352883	White bands in the paper feed direction.
Horizontal white bands	d1352884	White bands in the direction perpendicular to the paper feed direction.
Vertical black (color) bands	d1352885	Black (color) bands in the paper feed direction.
Horizontal black (color) bands	d1352886	Black (color) bands in the direction perpendicular to the paper feed direction.
Fuzzy lines	d1352887	Blurred images in the shape of slightly winding bands in the paper feed direction.

Middle classification2	Sample	Definition
Roller tracks	d1352888	Stains on the transport rollers transferred to paper.

5.34.3 LARGE CLASSIFICATION: PLANE

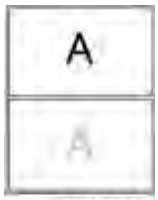
Middle classification1: Whole area

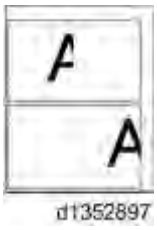
Definition: Images and text missing from the whole sheet.

Middle classification2	Sample	Definition
All black	d1352889	Copied paper is all black.
Blank	d1352890	No image is reproduced.

Middle classification1: Non-reproduction

Definition: Parts of the developed images and letters are not reproduced.

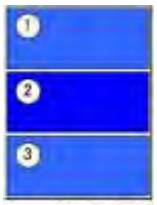
Middle classification2	Sample	Definition
White zone	d1352891	Part of a solid image or halftone is missing.
Wormholes	d1352892	The outline of a letter (or a line) is reproduced but the inside of it is missing.
Halo	d1352893	There is a white line around a solid object.
Negative residual image	d1352894	Previously copied image is reproduced with its black and white reversed on the same page or the next page.
Positive residual image	 d1352895	Previously copied image is reproduced on the same page or the next page.
Offset	d1352896	The same image is repeatedly transferred in the same interval.

Middle classification2	Sample	Definition
Missing image	 d1352897	Developed image slided in the subscan direction or missing.

Middle classification1: Unevenness

Definition: The density of the developed image is uneven.

Middle classification2	Sample	Definition
High density	d1352898	Image density higher than configured.
Low density	d1352899	Image density lower than configured.
Uneven density	d1352900	Image density is uneven within the same page.
Unevenness in indefinite shape	d1352901	Image density unevenness in indefinite shapes.

Middle classification2	Sample	Definition
Uneven glossiness	d1352902	The glossiness is uneven inside a dark solid image. Check it by looking at the paper from different angles.
Color changing	 d1352903	During repeated printing, the color or the density changes from sheet to sheet.
Color difference	d1352904	The colors differ between the original and the copy.
Rough image	d1352905	Color is uneven and small white spots are visible inside a solid image. With color copiers, white spots may not appear when two colors are overlapped.
Earthworm shape	d1352906	White area in a shape similar to an earthworm.

Middle classification2	Sample	Definition
Moire	d1352907	When superimposed regular pattern, it is a pattern of striped periodic possible by pixel to interfere with each other. Halftones may become mosaics.
Blur	d1352908	Image seemingly blurred in all directions.

Middle classification1: Stains

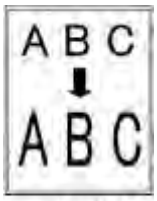
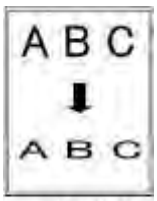
Definition: Areas outside letters or images are stained.

Middle classification2	Sample	Definition
Background stains	d1352909	Granular stains are visible in unprinted areas of the paper.
Backside stains	d1352910	Granular stains are visible on the backside of the paper.
Toner scattered	d1352911	Toner scattered around a letter.

Middle classification2	Sample	Definition
Edge stains	d1352912	The side edges of paper are stained.

Middle classification1: Irregularity

Definition: Image or letter becoming irregular in comparison with the original.

Middle classification2	Sample	Definition
Irregularity	d1352913	Image becoming irregular in comparison with the original.
Image expansion	 d1352914	Image expanded abnormally in comparison with the original.
Image contraction	 d1352915	Image contracted abnormally in comparison with the original.
Skew	d1352916	The corners of an image copied from a rectangle original are not square.

Middle classification1: Scratches

Definition:Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.

Middle classification2	Sample	Definition
Claw marks	d1352917	Stains of toner that got on the paper when it came into contact with drum/fuser pawls.

Middle classification1: Image shift

Definition:Stains in the shape of vertical streaks which seem to result from being scratched by the guide plate ribs or other parts.

Middle classification2	Sample	Definition
Vertical image shift	d1352918	Images and lines shifted in the paper feed direction.
Horizontal image shift	d1352919	Images and lines shifted in the direction perpendicular to the paper feed direction.
Vertical color shift	d1352920	Color shifted in the paper feed direction where colors should be overlaid.

Middle classification2	Sample	Definition
Horizontal color shift	d1352921	Color shifted in the direction perpedicular to the paper feed direction where colors should be overlaid.

5.35 IMAGE QUALITY 001: SPOTS

5.35.1 OVERVIEW

White spots seen in solid colored areas or color spots seen in areas without images. The description "white spots" excludes those with toner cores.

Item	Description
Color spots (189mm/40mm pitch)	Color spots in 189mm/40 mm pitch may appear in solid areas.
White spots in low-temperature, low-humidity environment	White spots may appear in low-temperature, low-humidity (10 °C/15 %) environments.
White spots	White spots or black spots may appear when printing halftone images in low-temperature, low-humidity environments immediately after replacing the developer.
White spots with toner cores	White spots with toner cores may appear inside solid images.
White, fish-shape stains	White points or short lines may appear in the feed direction in 189 mm pitch.
Small granular toner fixation	0.5-1mm or trailing toner fixation may appear in halftone images.

5.35.2 TROUBLESHOOTING FOR COLOR SPOTS (189MM/40MM PITCH)

Symptom

Colored spots appear at 40mm or 189mm intervals in solid image areas (black or white) or throughout the entire image on the single-color Independent Pattern (1-dot), when printing onto A3 or SRA3 sheets.

Cause

- Scratches or foreign particles on the OPC surface
- Scratches or foreign particles on the charge rollers

Solution

Do the following:

- Load A3 or SRA3 paper in the tray.
- In SP2-1090-003, set the test pattern to solid white, solid black, and single color Independent Pattern 1-dot.
- Print out the pattern and check the interval of the spots.

If the symptom occurs at 189mm intervals:

If there are any scratches on the OPC, replace the OPC.

If there are no scratches, wipe the OPC surface with a damp cloth and then with a dry cloth.

If the symptom occurs at 40mm intervals:

- If there are scratches on the charge rollers, replace the affected roller(s).
- If there are no scratches, wipe the surface of the roller with a damp cloth and then with a dry cloth.

5.35.3 TROUBLESHOOTING FOR WHITE SPOTS IN LOW-TEMPERATURE, LOW-HUMIDITY ENVIRONMENT

Symptom

Under the weight of Plain Paper 2: White spots may appear on the 2nd page of duplex printing when using the paper with unsmooth surface and high electric resistance in LL environment.

Higher than weight of Middle Thick Paper: White spots may appear on paper with unsmooth surface and high electric resistance. (See sample image below)

Cause

The electrical resistance increases when the paper goes through the fusing roller and the moisture of the paper evaporates.

Due to high electrical resistance characteristics of the paper.

Action

Lower transfer current by changing the following SP

Only change the paper type and thickness that the user needs to use.

D135/D136/D137/D138

SP No.	SP Name
SP2-641-001 to 078	PTR Bias:BW
SP2-642-001 to 078	PTR Bias:BW
SP2-651-001 to 078	PTR Bias:FC
SP2-652-001 to 078	PTR Bias:FC

D137/D138 only

No.	IMSS setting
42	Paper Transfer Current Setting: B&W: Side 1
43	Paper Transfer Current Setting: Full Color: Side 1

No.	IMSS setting
44	Paper Transfer Current Setting: B&W: Side 2
45	Paper Transfer Current Setting: Full Color: Side 2

Note

- Image may not be solid enough, in case of too low transfer current.

5.35.4 TROUBLESHOOTING FOR WHITE SPOTS

Symptom

White or black spots appear when printing halftone images in low-temperature, low-humidity environments (10C/15%) immediately after the developer is replaced.

Note

1. Black spots occur more frequently when printing onto coated paper.

Cause

Some carrier particles inside newly-installed developer have a relatively high electrical potential. These particles may be transferred to the OPC in non-image areas as well, and then fall off before image transfer. As a result, a white spot is developed on the image.
If these carrier particles are transferred to the ITB, toner around the carrier drops off, forming a black spot.

Solution

Do the following.

D137/D138:

Execute “Adjust Image Density” (0201-01) inside the Skilled Operator Settings.

Note

- This is effective when the development gamma is low (about 0.8 or less) or the OPC electric potential is high, such as in low-temperature, low-humidity environments.

D135/D136:

Execute “Density Adjustment Process Control” by tapping the following buttons: [User Tools/Counters] – [Management] – [Auto Color Calibration].

Note

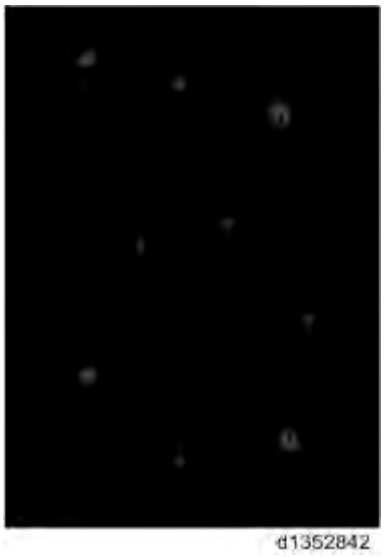
CE:

1. This is effective when the development gamma is low (about 0.8 or less) or the OPC electric potential is high, such as in low-temperature, low-humidity environments.
2. After you do this, color calibration is optional.
   Execute SP3-011-002 ([Manual ProCon :Exe] - Density Adjustment).

5.35.5 TROUBLESHOOTING FOR WHITE SPOTS WITH TONER CORES

Symptom

White spots with “toner cores” appear inside solid images/patches when printing under high-temperature conditions.



Cause

The machine is left unused for an extended time, and toner tends to clump inside the development unit. As a result, toner may not be transferred onto the paper correctly. The PCDU is subjected to strong vibration or shock. This may cause toner on the wall of the unit to fall inside the developer and form clumps.

The toner is left outside the moisture bag too long. This may cause toner to form clumps.

Solution

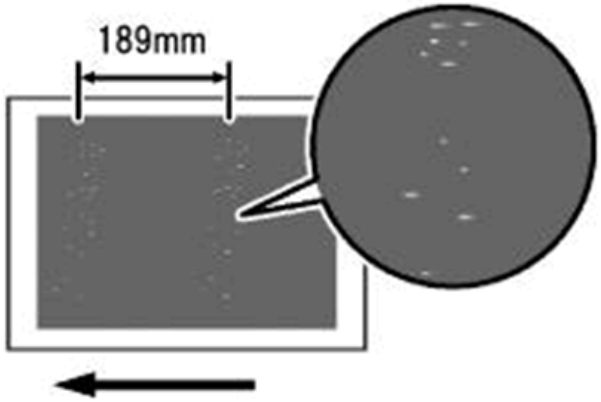
Do the following, which will clear the toner clumps out of the development unit.

- Make a test print and determine the affected color(s).
- Print out 30-200 A3 sheets with solid images of the affected color(s).
- If the symptom still occurs, replace the toner cartridge of the affected color.
- Repeat Step 2.
- If the symptom still occurs, replace the development unit/developer of the affected color.

5.35.6 TROUBLESHOOTING FOR WHITE, FISH-SHAPE STAINS

Symptom

Rows of “Medaka” (small, white, fish-shaped specks) appear in solid image areas along the paper feed direction at 189mm intervals when printing onto A3/SRA3 paper.



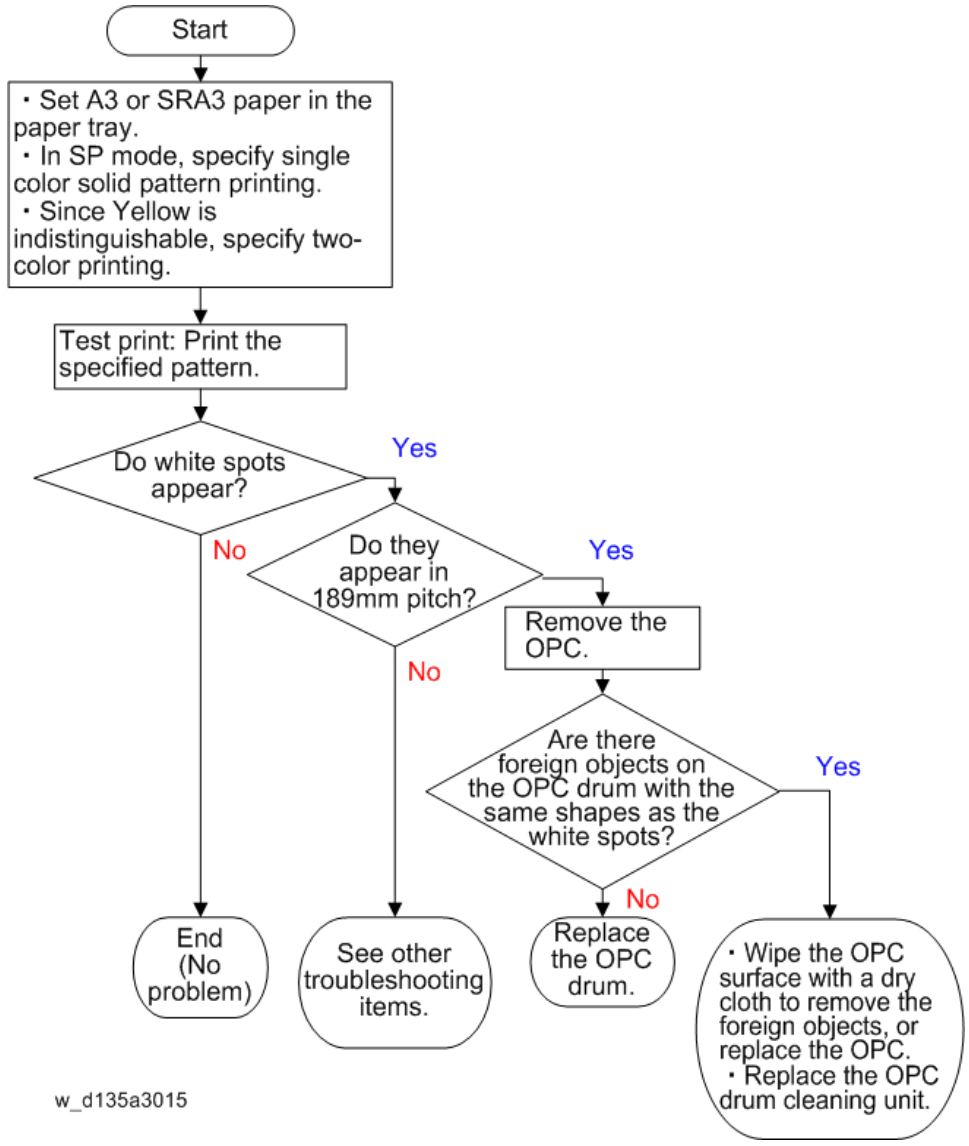
d135a3014

Cause

Small foreign objects or particles on the surface of the OPC drum

Solution

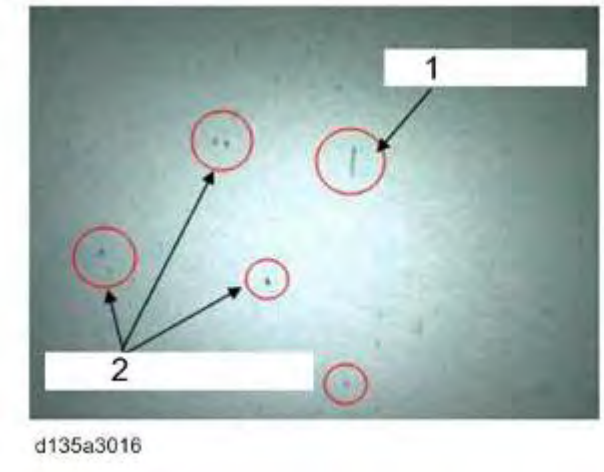
Do the action shown in the flowchart below.


Start
・Set A3 or SRA3 paper in the paper tray.
・In SP mode, specify single color solid pattern printing.
・Since Yellow is indistinguishable, specify two-color printing.
Test print: Print the specified pattern.
Do white spots appear?
Yes
No
Do they appear in 189mm pitch?
Yes
No
Remove the OPC.
Are there foreign objects on the OPC drum with the same shapes as the white spots?
Yes
No
End (No problem)
See other troubleshooting items.
Replace the OPC drum.
・Wipe the OPC surface with a dry cloth to remove the foreign objects, or replace the OPC.
・Replace the OPC drum cleaning unit.
w_d135a3015

5.35.7 TROUBLESHOOTING FOR SMALL GRANULAR TONER FIXATION (PRO C5110S /PRO C5100S)

Symptom

Small clumps of toner are offset and appear as spots or short lines.



1. Short line
2. Spots (0.5 to 1 mm)

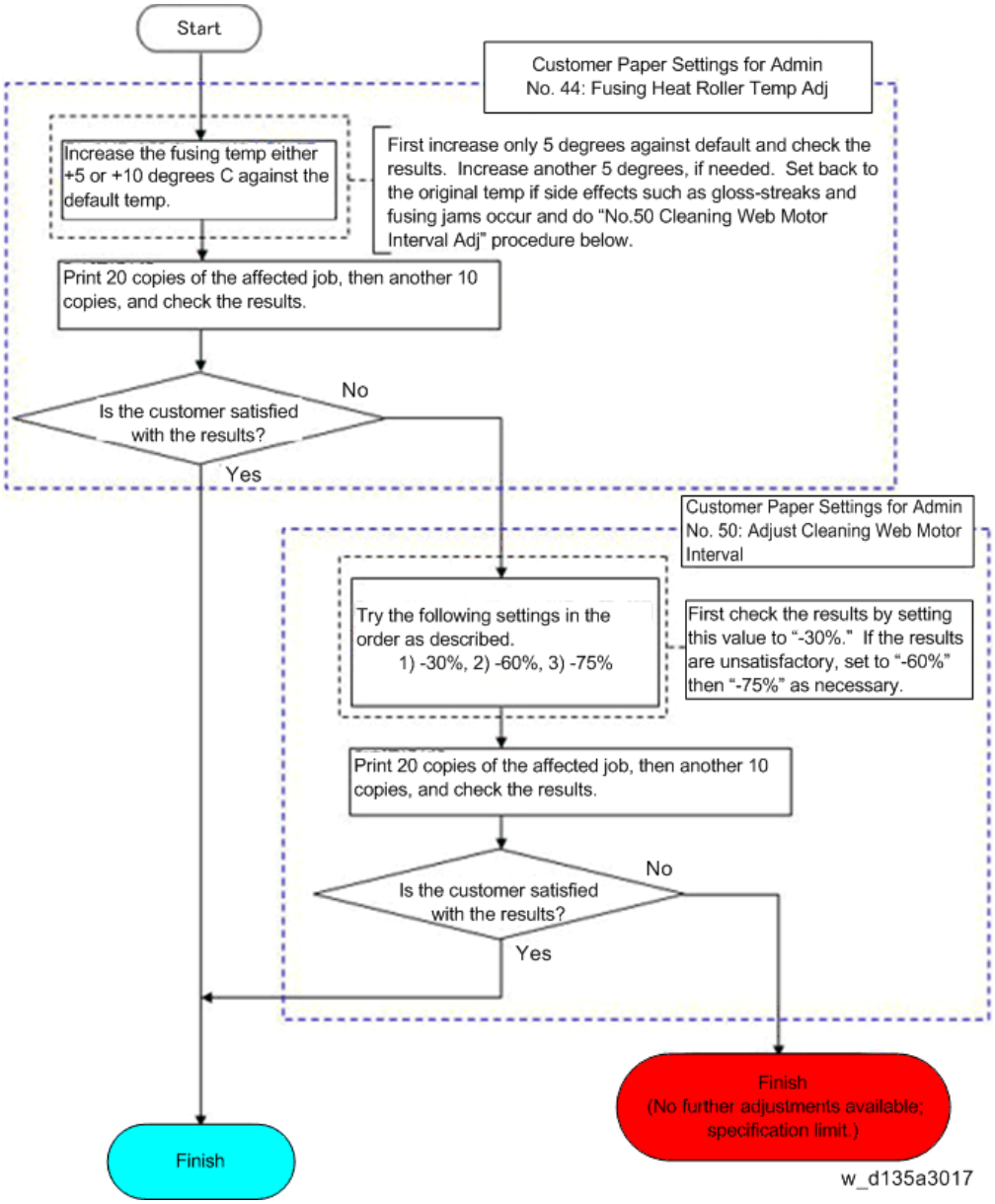
Cause

Toner clumps adhered to the pressure roller are not picked up by the cleaning web and offset to the printed paper.

Following are conditions that increase the risk of this symptom:

- Halftone printing
- Duplex printing
- Uncoated (especially rough surfaced) paper
- Small size paper (B5, customer paper of 216mm in sub scan direction)

Flow chart


Start
Customer Paper Settings for Admin
No. 44: Fusing Heat Roller Temp Adj
Increase the fusing temp either +5 or +10 degrees C against the default temp.
First increase only 5 degrees against default and check the results. Increase another 5 degrees, if needed. Set back to the original temp if side effects such as gloss-streaks and fusing jams occur and do "No.50 Cleaning Web Motor Interval Adj" procedure below.
Print 20 copies of the affected job, then another 10 copies, and check the results.
Is the customer satisfied with the results?
No
Yes
Customer Paper Settings for Admin
No. 50: Adjust Cleaning Web Motor Interval
Try the following settings in the order as described.
1) -30%, 2) -60%, 3) -75%
First check the results by setting this value to "-30%." If the results are unsatisfactory, set to "-60%" then "-75%" as necessary.
Print 20 copies of the affected job, then another 10 copies, and check the results.
Is the customer satisfied with the results?
No
Yes
Finish
Finish
(No further adjustments available; specification limit.)
w_d135a3017

5.36 IMAGE QUALITY 002: STREAKS

5.36.1 OVERVIEW

A smudge or a white area inside an image, in a linear shape with 1mm or smaller width.

Item	Description
Vertical streaks caused by contact with the toner adhering to the guide plate	Vertical streaks may appear.

Item	Description
Streaks made by Paper Edges	Streaks appear on the prints after switching the paper to a larger size
Horizontal white streaks in small solid black areas	Horizontal white streaks may appear in the small solid black area when printing in HH environment (27° C 80%).

5.36.2 TROUBLESHOOTING FOR VERTICAL STREAKS CAUSED BY CONTACT WITH THE TONER ADHERING TO THE GUIDE PLATE

Symptom

Vertical streaks appear.

Condition

Scratches tend to stand out when printing on relatively stiff thick coated paper.

Cause

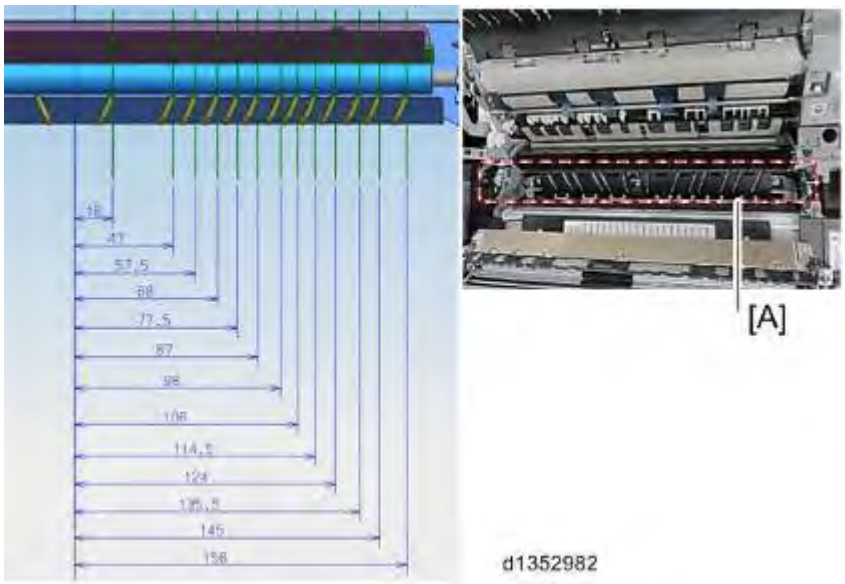
Paper after fusing come into contact with small convex scratches or adhering toner on the guide plate and vertical streaks appear.

Action (overview)

- If the problem occurs in the position of the ribs of the heat pipe entrance guide plate, clean the heat pipe entrance guide plate ribs.
- If the problem occurs in other places, clean the paper transport path/duplex unit.
- If cleaning does not improve the situation, lower the fusing temperature.

Action (detail 1): Clean the heat pipe entrance guide plate ribs.

Position of the heat pipe entrance guide plate ribs [A]



Action (detail 2): Clean the heat pipe entrance guide plate ribs.

- If streaks appear on straight-fed one-sided prints or the second side of two side prints: (1) Clean the upper part of the Paper Exit transport path.
- If streaks appear on first sides of two-sided prints: (2) Clean the lower part of the Paper Exit transport path.
- If streaks appear on inverted one-sided prints: (3) Clean the lower left part of the Paper Exit transport path.
- If streaks appear on the second side of two side prints: (4) Clean the duplex unit.

1. Upper part of the Paper Exit transport path

[A]: Paper Exit Upper Guide Plate

2. Lower part of the Paper Exit transport path

[A]: Fuser Exit Guide Plate

[B]: Heat Pipe Entrance Guide Plate [C]:

Paper Exit Junction Gate

[D]: Transport Ribs (22 positions)

[E]: Paper Exit Guide Plate (Clean this point intensively.)

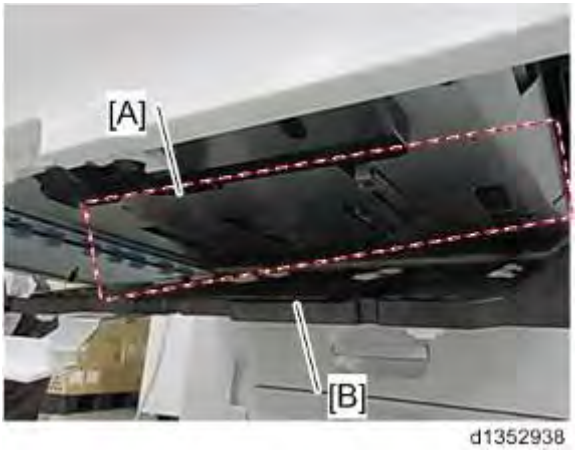
3. Lower left part of the Paper Exit transport path

[A]: Paper Exit Lower Left Guide Plate (Clean this point intensively.) [B]:

Paper Exit Lower Right Guide Plate

[C]: Junction Gate Ends

4. Duplex unit



[A]: Duplex Transport guide plate (Upper) (Clean the turning point on the right intensively.)

[B]: Duplex Transport guide plate (Lower)

Action (detail 3): Lower the fusing temperature.

Enter SP mode and lower the fusing temperature with SP1-984. (Guideline: Lower it 10° C at a time.)

Note

There is a risk of decreasing fusing ability. Be sure to check the printed results.

Pro/Office	SP No.	SP Name	Value
Pro/Office	SP1-984-109 to 254	Htg Roller Temp Setting	0 to 200

Pro/Office	No.	IMSS setting	Value
Pro	74 (SP1-984-001 to 100)	Fusing Heat Roller Temperature Adjustment	0 to 200

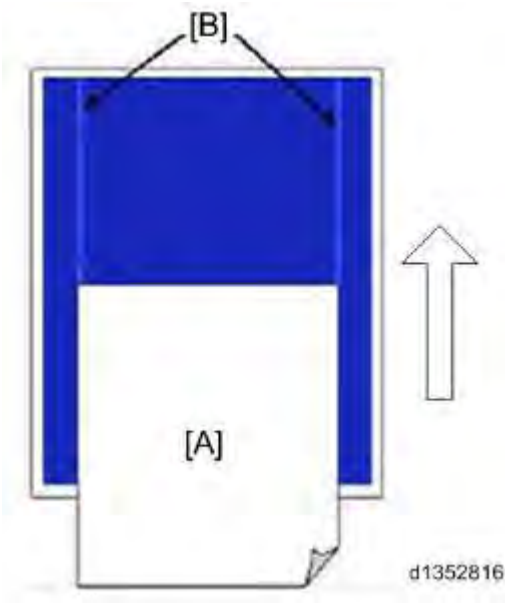
5.36.3 TROUBLESHOOTING FOR STREAKS MADE BY PAPER EDGES

Overview

Streaks appear on the prints after switching the paper to a larger size [A]:

Small paper

[B]: Streaks



*The arrow indicates the paper feed direction

Cause

Running a job continuously on a certain paper size causes the paper edges to damage the fusing belt. Scratches on the fusing belt generate the streaks on the prints.

Solution (D137/D138)

Smooth the Fusing Belt with the Fusing Smoothing Roller using SP mode.

Pro	Number	Description	Adjustment Area
SP	SP1-133-110	Fusing Belt Smoothing Roller Manual Smoothing	1:Yes 0:No

Pro	Number	Description	Adjustment Area
Adjustment Settings	0210	Fusing Belt Smoothing: Smooth Fusing Belt	1:Yes 0:No

If you can't resolve the issue with three consecutive operations, you need to replace the fusing belt.

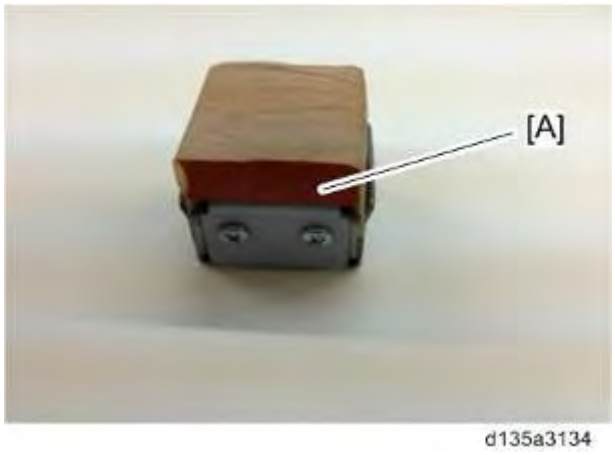
Note

- The effect of this roller is different for different types of paper.
- You can change the smoothing operation time with SP1-133-120. (Default time is 3 minutes)

Solution (D135/D136)

Polish the edges on the fusing belt using the tool in the following table. See procedure below.

New P/N	Description	Q'ty	Int	Page	Index	Note
M0774287	WEB:POLISH:FUSING:ASS'Y	1	-	-	-	-



d135a3134

[A]: M0774287 WEB:POLISH:FUSING:ASS'Y

Procedure for Polishing the Fusing Belt

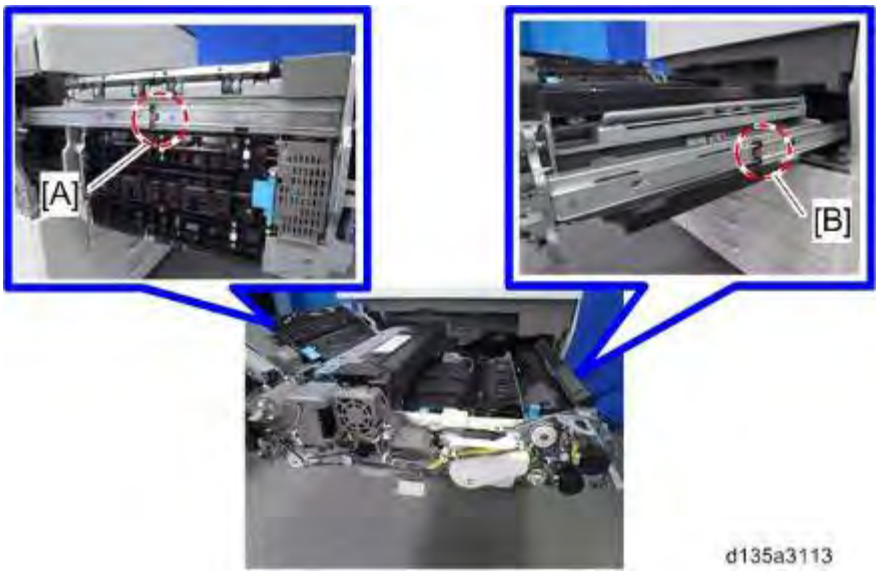
- Pull out the drawer unit.

d135a3112

- Press locks ([A], [B]) and remove the unit from the machine.

Important

- Hold the locks down while you pull out the unit.



- Open the top cover.

- Rub the surface of the M0774287 polishing tool (WEB:POLISH:FUSING:ASS'Y) against the surface of the fusing belt.

Important

After you finish each section of the fusing belt surface, rotate the fusing gear **[A]** counterclockwise and do the next section. Repeat this until you have polished the **entire surface of the belt**.

Make sure to polish **both the front and rear sides** of the fusing belt. This is because scratches are generated by the front and rear edges of paper.

d135a3114

Surface of polishing tool

- **Fusing belt**

Note

1. This action will smoothen out any scratches on the fusing belt surface.
2. When you rotate the fusing gear [A] counterclockwise, the fusing belt rotates clockwise.

d135a3115

- After you finish polishing the entire belt, close the fusing unit cover.
- Reattach the drawer unit.
- Print out some sample copies and check whether the vertical lines appear.

Note

It is recommended to replace this web (M0774288) after each polishing of the fusing belt (one web per fusing belt) in accordance with the following procedure.

New P/N	Description	Q'ty	Int	Page	Index	Note
M0774288	WEB:POLISH:FUSING	1	-	-	-	-

M0774288 WEB:POLISH:FUSING

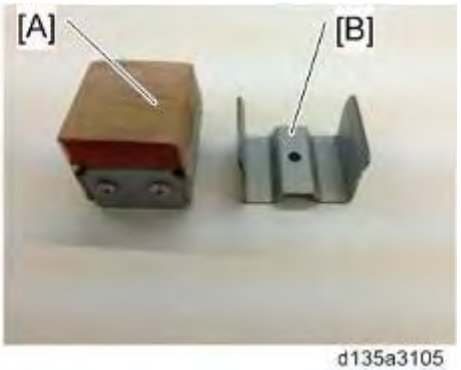
d135a3103

Procedure for Replacing the Web

- Remove the screw at the bottom of the tool.

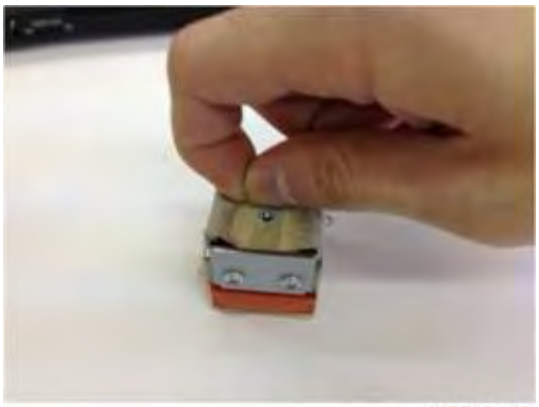
d135a3104

- Remove the metal plate [B] from the tool [A].



d135a3105

- Peel off the used web (M0774288 WEB:POLISH:FUSING).



d135a3106

- Peel off the seals on both ends of the new web, and then wrap the web around the tool.

d135a3107

- Attach the metal plate to the tool.

d135a3108

- Fasten the bottom screw to complete the procedure.

5.36.4 TROUBLESHOOTING FOR HORIZONTAL WHITE STREAKS IN SMALL SOLID BLACK AREAS

Symptom

White streaks may appear in feeding direction on the small solid black area (smaller than 3cm x 3cm). (See sample below in red circle)

Cause

Detailed description will be added when this manual is revised.

Action

- Print black in FC mode.

PS driver and PCL driver

Select “Print Quality” from Detailed Settings. Select “User Setting” as Settings for Images.

Select “CMY+K” or “Black by K (Black) – Text Only” for PS driver, and “CMY+K” for PCL driver as Gray Reproduction.

Fiery driver

- Select “Job Properties” of the affected image.
- Select “Expert setting” from “Color” tab.
- Select “Gray/Black Processing” Tab.

- Specify “Normal” for Black text and graphics in order to print in CMYK mode.

- Increase image transfer current. (+5 to 10 μA from the default)

D135/D136/D137/D138

SP No.	SP Name
SP2-451-001	ITB K:Standard:FC
SP2-451-002	ITB K:Standard:BW

D137/D138 only

No.	IMSS setting
37	Image Transfer Current Setting: B&W
38	Image Transfer Current Setting: FC: Black

Note

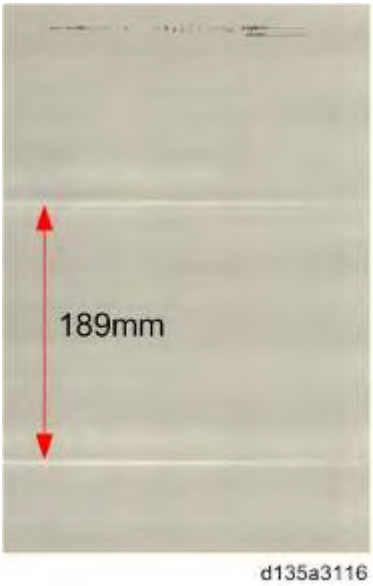
1. Transfer capability and image density may worse.
2. Residual image in black halftone may appear.

5.37 IMAGE QUALITY 003: BANDS

5.37.1 TROUBLESHOOTING FOR BLURRED IMAGE IN 189MM PITCH (OPC DRUM CIRCUMFERENCE)

Symptom

First few printouts after turning on the machine may have 189mm pitch blurred image (which corresponds to the OPC drum circumference) on halftone images in high humidity environment. (See sample below)



Cause

Charge failure caused by “corona products” that form on the OPC drum If the symptom occurs when all of conditions below are met,

1. Operation after a long break (as in the initial operation of the day)
2. Halftone image
3. High humidity

Action

4. Execute “Color Registration” from “Maintenance” in User Tools.
5. Execute “Auto Color Calibration” from “Maintenance” in User Tools.

5.37.2 TROUBLESHOOTING ROLLER MARKS

Symptom

Roller marks appear on the printouts when any of the following conditions are met:

1. Coated paper
2. Solid image
3. High-temp / high-humidity environment (27 °C, 80% or higher)

Cause

Nip of the drive and idle rollers installed in the paper path after the fusing unit Diagram describing the location of the roller marks caused by the **Paper exit relay roller, Inverter feed-in roller, Inverter exit roller, Inverter feed-out roller:**

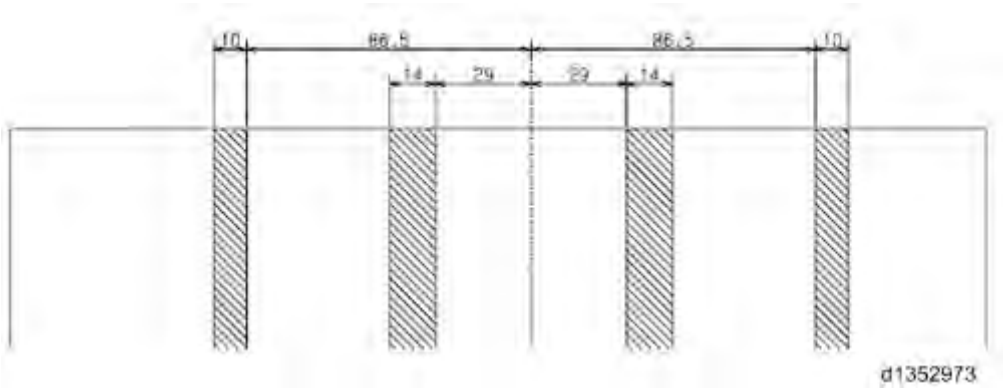
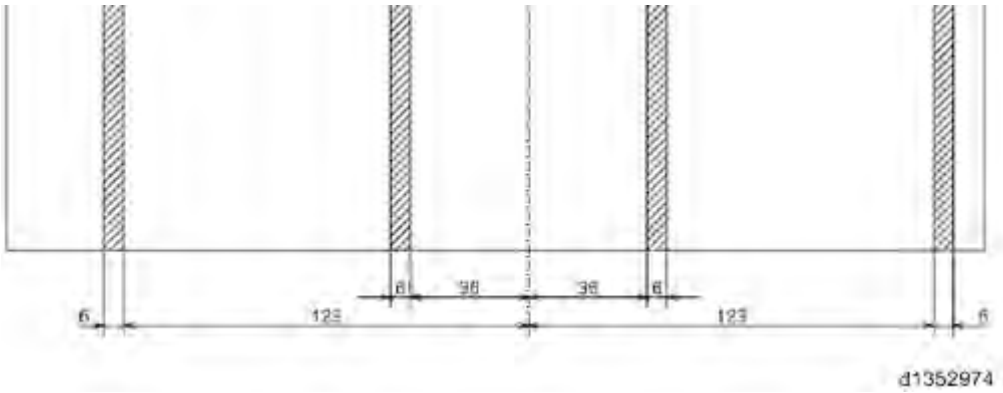


Diagram describing the location of the roller marks caused by the **Paper exit roller:**



Solution

Step 1: Clean or replace the drive/idle rollers.

If the roller marks do not disappear by cleaning or replacing the rollers, do Step 2.

Step 2: Decrease the fusing temp.

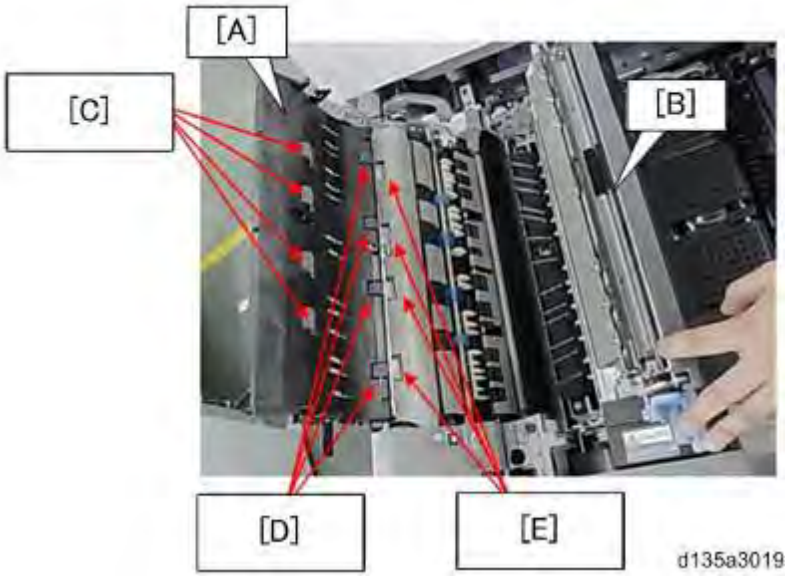
2. Step 1: Clean or replace the drive/idle rollers in the following units.

Note

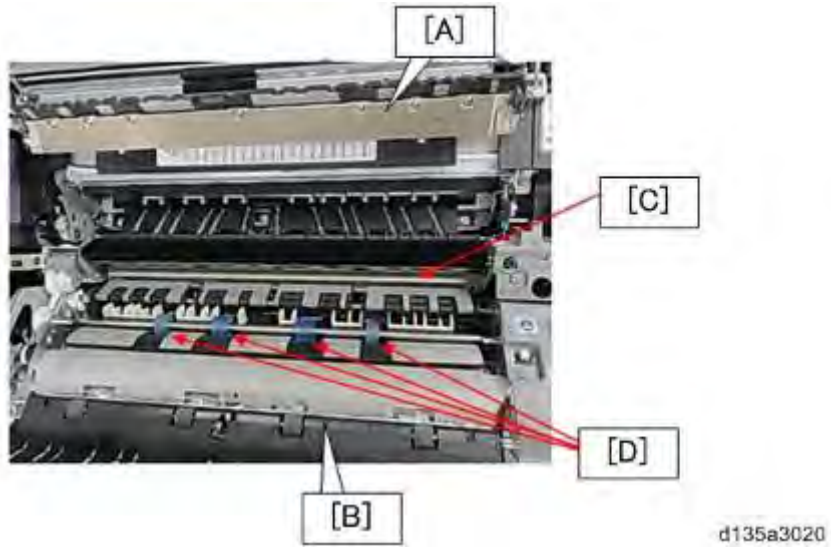
1. Clean the rollers with dry cloth. DO NOT apply alcohol.

Paper Exit Unit

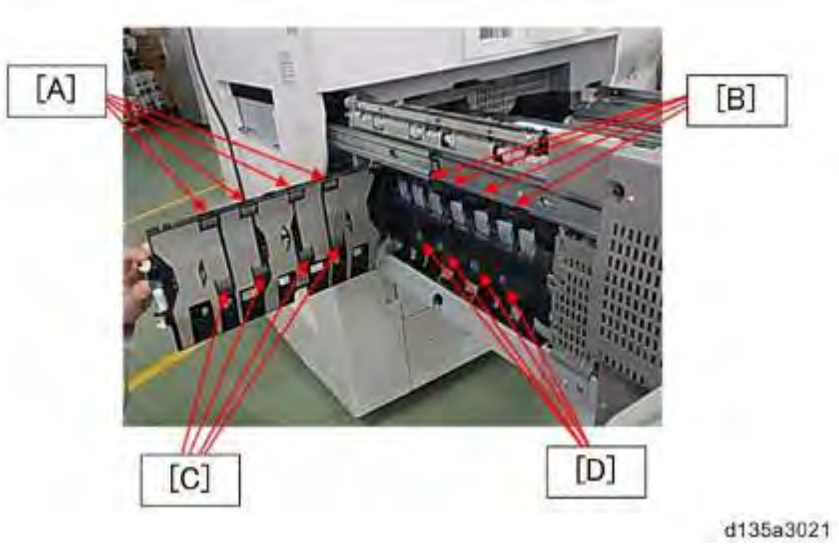
Open the guide plates and clean the following rollers.



[A]: Paper exit unit [B]:
Fusing unit
[C]: Sponge rollers (Paper exit relay) [D]:
Sponge rollers (Paper exit)
[E]: Rubber rollers (Paper exit)



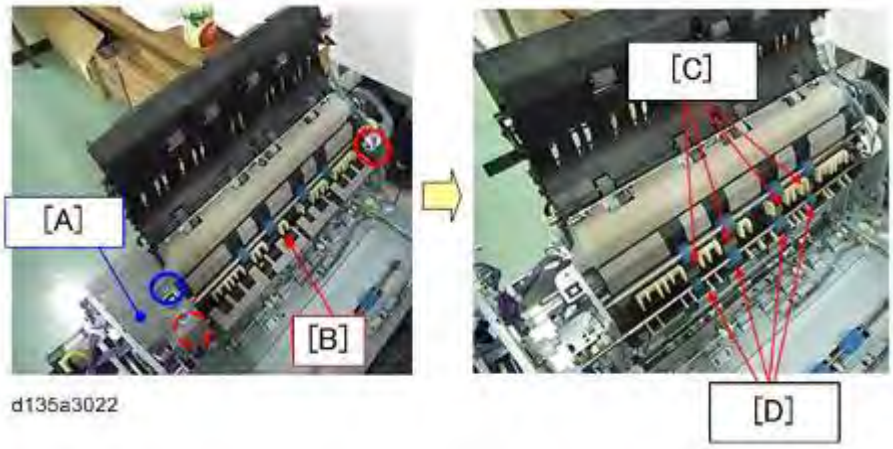
[A]: Fusing unit [B]:
Paper exit unit
[C]: Heat pipe rollers
[D]: Rubber Rollers (Paper exit relay)



[A]: Sponge rollers (Inverter exit) [B]:
Rubber rollers (Inverter exit)
[C]: Sponge rollers (Inverter feed-out)
[D]: Rubber rollers (Inverter feed-out)

Inverter Feed-in

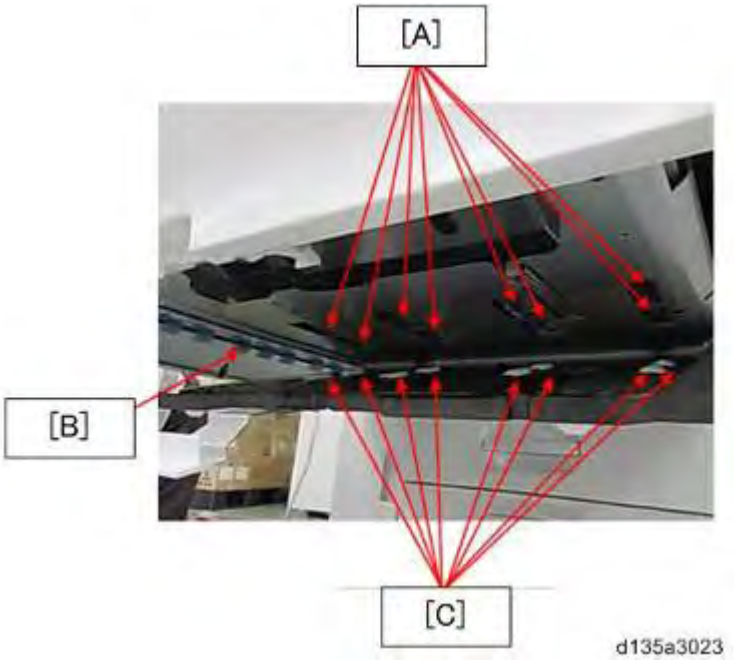
Remove the fusing unit. Remove the screw (circled in blue) to remove the inner cover.
Remove the 2 E-rings (circled in red) to remove the junction gate.



[A]: Inner cover [B]:
Junction gate
[C]: Sponge rollers (Inverter feed-in)
[D]: Rubber rollers (Inverter feed-in)

Duplex Unit

To clean the rollers inside the Duplex unit, cover the cloth over an equipment with length, for example, a ruler for extended reach.



[A]: Rubber rollers x 8 [B]: Rubber rollers x 7 [C]: Idle rollers x 8 **Duplex Inverter Unit**

[A]: Rubber rollers x 5

Step 2: Decreasing the fusing temp

Decrease the fusing temp by 1 step (10 °C) in either the IMSS or SP mode.

Note

2. Decreasing the fusing temp may cause poor fusing. Make sure to check the results after every adjustment.

IMSS No.	Description	Range
74 (SP1-984-001 to 100)	Fusing Heat Roller Temperature Adjustment (for each custom paper)	0 to 200 °C

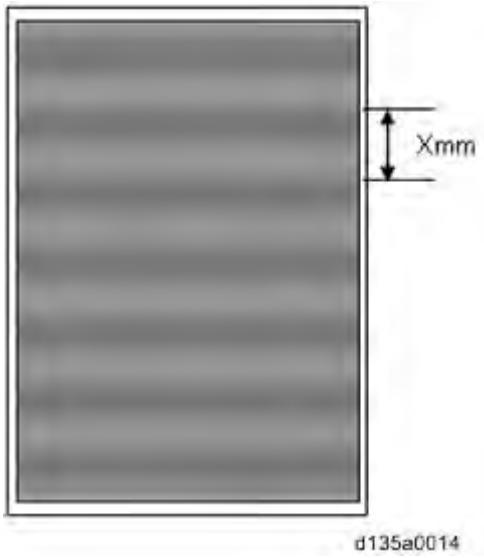
SP No.	Description	Range
SP1-984-109 to 254	Htg Roller Temp Setting (for each paper type/thickness)	0 to 200 °C

5.37.3 TROUBLESHOOTING FOR BANDING CAUSED BY THE PCDU (PRO C5110S/PRO C5100S)

Symptom / Cause

Bands (uneven density) in a certain pitch appear across the entire page. The problem is caused by the vibration of the components of the PCDU.

The pitch in which the bands appear differs depending on the component causing the problem.



53mm pitch: Primary development roller [A] 26.5mm

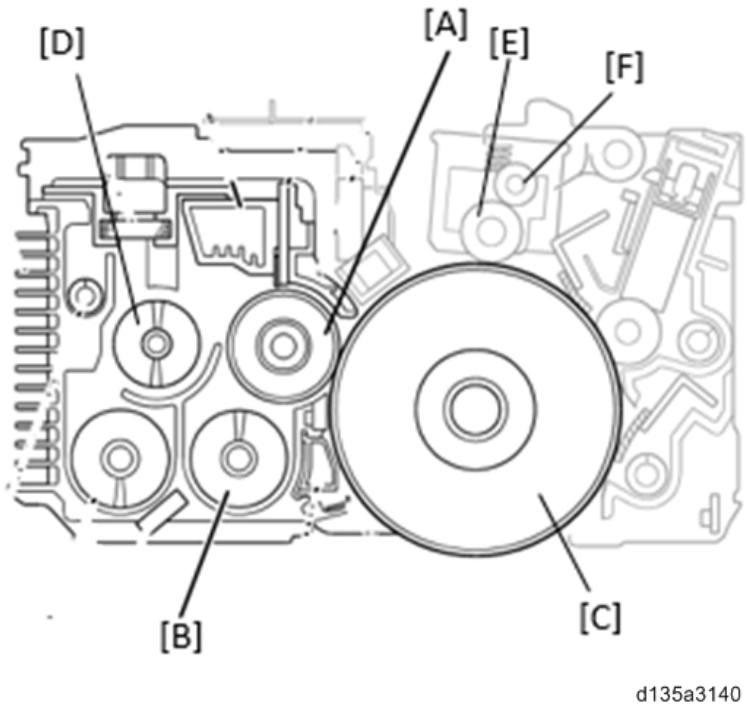
pitch: Secondary development roller [B] 189mm

pitch: Drum [C]

32mm pitch: Developer supply auger [D]

40mm pitch: Charge roller [E]

4 to 5mm pitch: Charge cleaning roller [F]



How to verify if the bands are caused by components of the PCDU

Execute Process Control (SP3-011-002).

Select the test patterns (CMYK) in SP2-109-003 and specify the values described in the table below and print out the test patterns.

		Test pattern (CMYK Chart) and Setting			
		K	C	M	Y
SP	2-109-003 (Test pattern no.)	26	26	26	26
	2-109-006 (Bk output density)	5	0	0	0
	2-109-007 (C output density)	0	5	0	0
	2-109-008 (M output density)	0	0	5	0

		Test pattern (CMYK Chart) and Setting			
		K	C	M	Y
	2-109-009 (Y output density)	0	0	0	5

Measure the pitch of the bands.

Solution

Bands caused by the Development Roller [53mm/26.5mm pitch]

- Execute DEMS (SP3040-001).
- Do the procedure: “Centering the axis of the Development roller” described on the last page.
- If the problem does not resolve, replace the PCDU and execute DEMS (SP3040-001).

Bands caused by the Drum [189mm pitch]

1. Execute DEMS (SP3040-001).
2. Do the procedure: “Centering the axis of the Drum” described on the last page.
3. If the problem does not resolve, replace the PCDU and execute DEMS (SP3040-001).

Bands caused by the Toner Supply Auger [32mm pitch]

1. Reset the PCDU and execute DEMS (SP3040-001).
2. If the problem does not resolve, replace the PCDU and execute DEMS (SP3040-001).

Bands caused by the Charge Roller [40mm pitch]

- Reset the charge roller unit and execute DEMS (SP3040-001).

Bands caused by the Charge Cleaning Roller [4~5mm pitch]

1. Execute Process Control (SP3-011-002).
2. Reset the charge roller unit and execute DEMS (SP3040-001).
3. If the problem does not resolve, replace the charge roller unit and execute DEMS (SP3040-001).

Bands that appear in random pitch

Reset the PCDU and execute DEMS (SP3040-001).

Do the procedure: “Centering the axis of the Development roller” described on the next page.

Replace the charge roller unit and execute DEMS (SP3040-001).

Do the procedure: “Centering the axis of the Drum” described on the next page. Replace the drum and execute DEMS (SP3040-001).

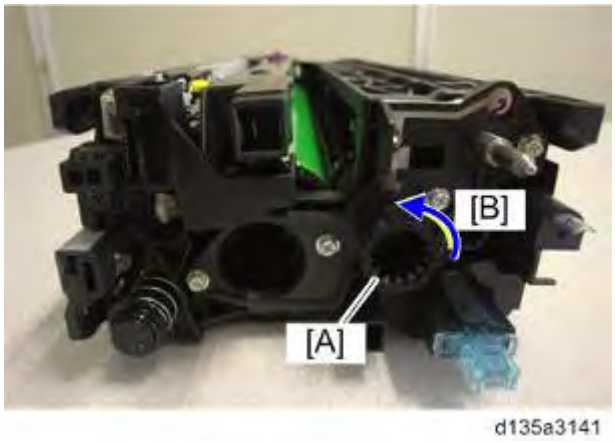
Replace the PCDU and execute DEMS (SP3040-001).

Centering the axis of the development roller

Ideally, the development roller and drum should revolve at the very center of the axis so that a consistent gap is maintained between these components during the development process. This however is not possible due to the margin of error.

To reduce the margin of error, center the axis of the development roller by fine adjusting the engagement between the drive and coupling gears of the development roller.

- Pull out the PCDU of the affected color.
- Turn the coupling gear located at the rear side of the development unit 90 degrees counterclockwise (viewed from rear).
- Set the PCDU and execute DEMS (SP3040-001).
- Print the test pattern and check the results.
- Repeat the above steps, if improvement cannot be confirmed.



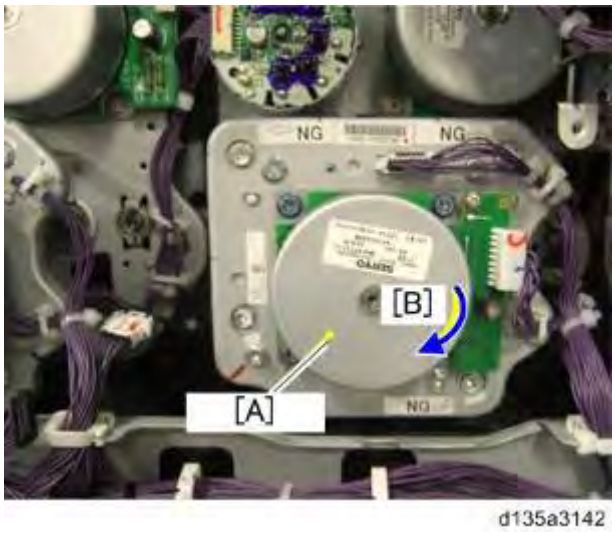
[A]: Joint of the development roller [B]: Direction of rotation

Centering the axis of the drum

Similarly to the above procedure, center the axis of the drum by performing the following procedure.

- Pull out the PCDU.
- Remove the rear cover.
- Turn the drum motor 5 full rotations clockwise (viewed from rear).
- Set the PCDU and attach the rear cover.
- Execute DEMS (SP3040-001).
- Print the test pattern and check the results.

- Repeat the above steps, if improvement cannot be confirmed.



d135a3142

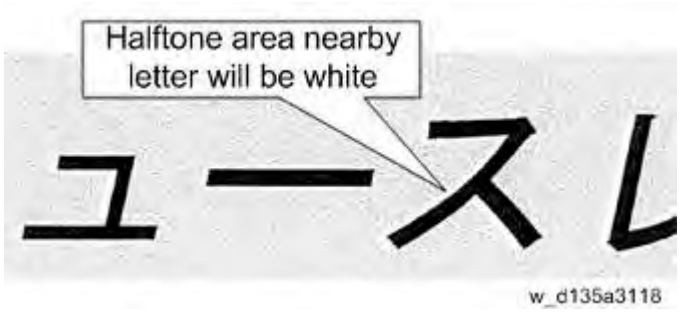
[A]: Drum motor [B]:
Turn clockwise

5.38 IMAGE QUALITY 004: NON-REPRODUCTION

5.38.1 TROUBLESHOOTING FOR HALO IMAGE

Symptom

Halo may appear especially in low-temperature, low-humidity environment (See sample below)



w_d135a3118

Cause

Detailed description will be added when this RTB is revised.

Action

In case of GW controller

Change the dpi from “2400 x 600dpi” (Default setting) to “600 x 600dpi”

In case of EFI controller

Change the halftone mode from “200 Dot + Fine Text” to “175 Dot” from “Image” tab.

5.39 IMAGE QUALITY 005: UNEVENNESS

5.39.1 OVERVIEW

The density of images and text is uneven.

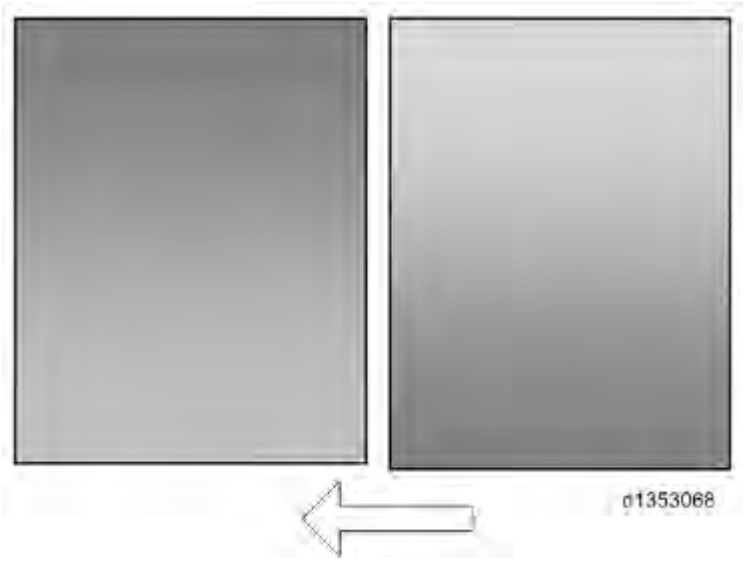
Item	Description
Density difference between left and right	
Vertical bands of density unevenness on back sides of duplex prints made on coated paper in low-temperature, low-humidity environment	When making duplex prints on coated paper in low-temperature, low-humidity environment (10°C, 15%), vertical bands of density unevenness appear on halftone images only on the back sides.
Uneven density in the area 85mm from the trailing edge	Uneven density of halftone image may appear in area 85mm from the trailing edge, which correspond to the point where the paper leave the registration rollers.
Uneven density in the area 85mm from the trailing edge in low-temperature, low-humidity environment	Density of halftone image may be higher or lower in area 85mm from the trailing edge.
Grainy image	The image density is not uniform across image areas when printing onto paper that is not smooth under High-temperature, High-humidity (27°C, 80%).
Density unevenness and dust when using AC transfer (CH-C1 Pro only)	With certain types of paper, the concave portions of the paper may be white or too dark, or there may be thin lines of dust.
Uneven glossiness when feeding large size paper after small size paper	The glossiness may be uneven at the sides of the paper (outside the width of the small size paper).
Unevenness in indefinite shape on sides of paper	Unevenness in indefinite shape may appear on both sides of paper.

5.39.2 TROUBLESHOOTING FOR DENSITY DIFFERENCE BETWEEN LEFT AND RIGHT

Overview

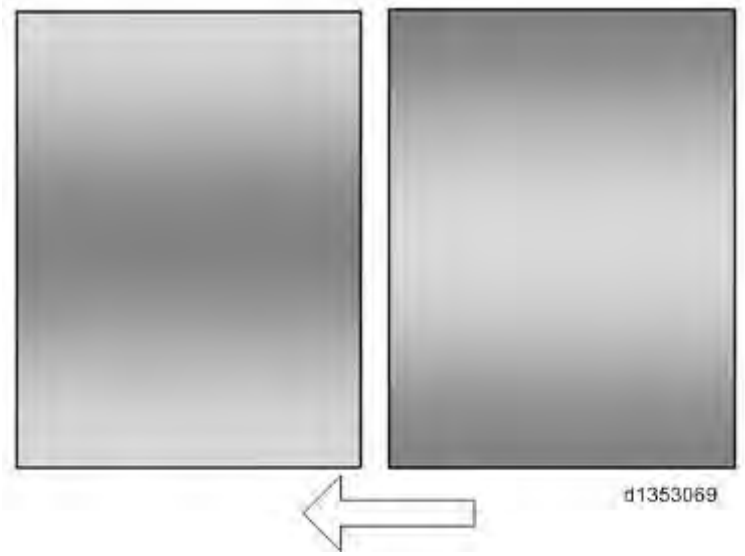
If uneven density occurs, follow this troubleshooting procedure.

Density difference between left and right



*The arrow indicates the paper feed didection

Density difference between middle and right/left



- **Cause**

  Variation in Paper Transfer Roller

  Pressure deviation of ITB bias roller

Solution (Summary)

Step 1: Print a color-by-color solid image and check the color/type of image density difference.

Step 2: Adjust the image density deference between right and left. Step 3: Adjust Image Density difference between middle and right/left.

Solution (Detailed)

Step 1: Print a color-by-color solid image and check the color/type of image density difference.

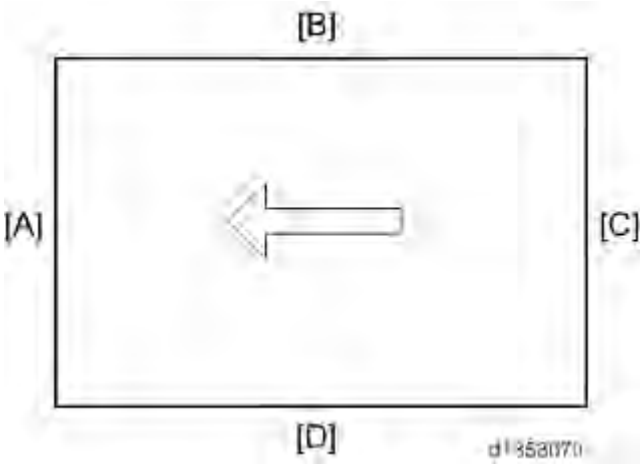
- Select SP2-109-003-26 (Test Pattern: Pattern Selection: Full Dot)
- Do SP2-109-005 (Test Pattern Color Selection) and select the appropriate color.
- Do SP2-109-006~009 (Density: K.C.M.Y) and set the appropriate color's density to 15.
- Press the button "Copy mode" and move to the copy window
- If you want to print a K solid image, select BW mode and A4 paper and print. If you want to print a C, M, Y solid image, select FC mode and A4 paper and print.
- Check the color and type of image density difference of the output. If
  there is a density difference between right and left: Go to Step 2.
  If there is a density difference between middle and right/left: Go to Step 3.

Step 2: Adjust the image density deference between right and left.

1. Select SP2-109-003-026 (Test Pattern: Pattern Selection: Full Dot)
2. Do SP2-109-005 (Test Pattern Color Selection) and select the appropriate color.
3. Do SP2-109-006 to 009 and set the density value of the appropriate color to 8.
4. Do the following SP or Adjust Settings for Skilled Operator and adjust the appropriate color's image density deference between right and left.

Model	SP No.	SP Name	Value
Pro/Office	SP2-113-001 to 004	Adj Density Diff Main Scan Dir K.C.M.Y	±5
Pro	205-01 to 04	Adj Density Diff Main Scan Dir K.C.M.Y	±5

Press [+] to increase the density at the right, which means to decrease it at the left.
Press [-] to decrease the density at the right, which means to increase it at the left.



*The arrow indicates the paper feed direction [A]: Leading edge
[B]: Right
[C]: Trailing edge [D]: Left

Note

- Depending on the machine's other settings; this setting may have no effect.

5. Turn the main power off and then back on.
6. Print out halftone paper by following Steps 2-1 to 3 and check effect of the adjusted settings.

Step 3: Adjust Image Density difference between middle and right/left

- Set the appropriate color's ITB bias to 5 μA by doing the following SP.
  When adjusting the ITB bias for all paper types at once (excluding the paper library for the Office version), please use the following SP

Model	SP No.	SP Name	Remarks
Pro/Office	SP2-451-001	ITB K:Standard FC	BW mode
Pro/Office	SP2-451-002	ITB K:Standard FC	FC mode
Pro/Office	SP2-461-001	ITB C:Standard FC	FC mode

Model	SP No.	SP Name	Remarks
Pro/Office	SP2-471-001	ITB M:Standard FC	FC mode
Pro/Office	SP2-481-001	ITB Y:Standard FC	FC mode

When adjusting the ITB bias for all paper types in the paper library at once (Office only), please use the following SP.

Model	SP No.	SP Name	Remarks
Pro	SP2-801-001 to 100	ITB Bias:K:BW	BW mode
Pro	SP2-802-001 to 100	ITB Bias:K:FC	FC mode
Pro	SP2-803-001 to 100	ITB Bias:C:FC	FC mode
Pro	SP2-804-001 to 100	ITB Bias:M:FC	FC mode
Pro	SP2-805-001 to 100	ITB Bias:Y:FC	FC mode

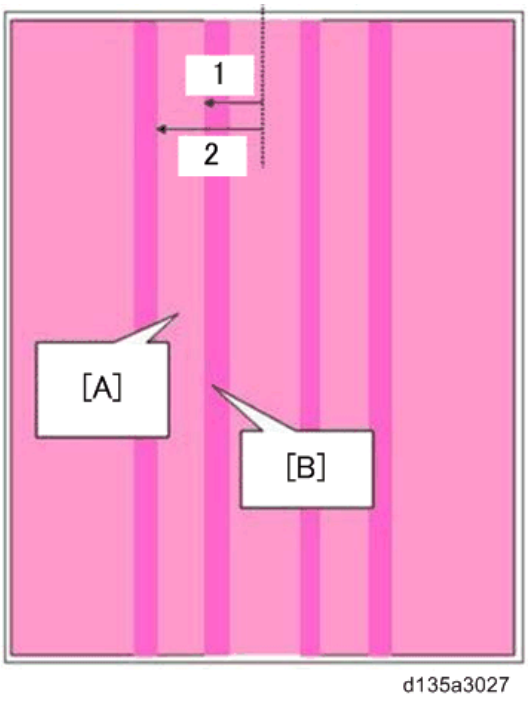
- Print out a sheet with 100% Coverage using the same procedure as Steps 1-1, 2 and compare with the 100% Coverage printed out in Step 1.
  If the image density difference is improved, go to Step 3-3. If the image density difference is worse, go to Step 3-4.
- Decrease the value 1 μA by 1 μA (Minimum :-10 μA from the default value)
- Increase the value 1 μA by 1 μA.

5.39.3 TROUBLESHOOTING FOR VERTICAL BAND OF HALFTONE IMAGES

Symptom

Vertical bands of uneven image density appear in halftone images on the rear side of

duplex copies/prints when printing onto coated paper in low-temperature, low-humidity environments (10°C, 15%).



d135a3027

1: Approximately 30mm

2: Approximately 50mm

[A]: Bands of low density (at approx. 30-50mm from center) [B]: Density is relatively high at ends of bands

Cause

Friction between the paper and registration roller generates an electrical charge on some areas of the paper, after the paper has passed through the fusing unit to fuse the first side. The areas on the paper are charged differently, and these differences are visible as bands.

Solution

Lower the PTR bias for the second side.

D137/D138:

- The user can use the IMSS settings to lower the bias.
- If the symptom occurs in full-color mode, use [PTR Bias:FC:Side2: Custom Paper 001 to 100] (2-814-001 to 100).
- If the symptom occurs in B/W mode, use [PTR Bias:BW:Side2: Custom Paper 001 to 100] (2-812-001 to 100).

Note

- When using plain paper, the setting can be changed using 2-652-012 to 028 (for each paper thickness and type) and 2-642-012 to 028 (for each paper thickness and type).

D135/D136:

A customer engineer must perform the following adjustment:

If the symptom occurs in full-color mode, lower the value of **SP2-652-001** to **008** (for each paper thickness).

If the symptom occurs in B/W mode, lower the value of **SP2-642-001** to **008** (for each paper thickness).

Adjust the value between the [default value] and [default value **- 20 μA**].

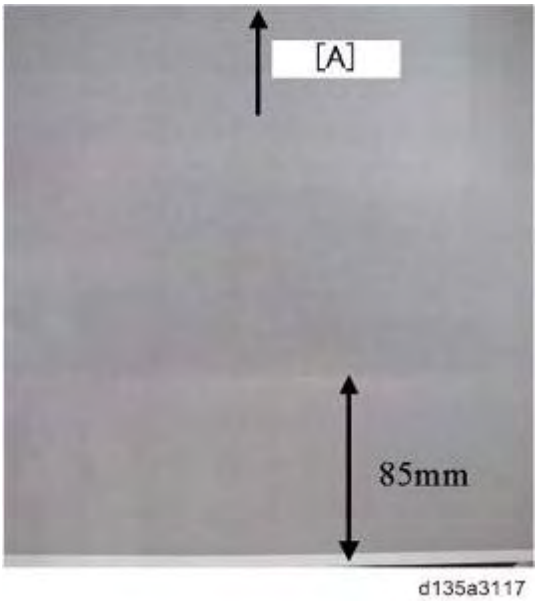
Note

1. The density of solid images may be decreased if the bias is too low (especially high-density solid image areas). In addition, other image problems may occur.

5.39.4 TROUBLESHOOTING FOR UNEVEN DENSITY IN THE AREA 85MM FROM THE TRAILING EDGE

Symptom

Uneven density of halftone image may appear in area 85mm from the trailing edge. (See sample below)



[A]: Paper feed direction

Cause

Uneven density may appear because of the difference of both sticking level and distance between the ITB and the paper immediately before the paper transfer process. Following factors tend to change the sticking level and the distance:

- When the rotation speed of the Transfer Timing Roller and PTR differ in great degree
- Thin paper stocks

In low-temperature, low-humidity environment, electric field is generated at the PTR entrance

Action

Do the one of the following workarounds.

- Adjust the transfer timing roller speed. Change the figure by 0.1% each.

From SP mode (D135/D136/D137/D138):

SP No.	SP Name
SP2-661-001 to 018	PTR Spd Adj:Std Spd
SP2-662-001 to 018	PTR Spd Adj:Mid Spd
SP2-663-001 to 018	PTR Spd Adj:Mid-Low Spd
SP2-664-001 to 018	PTR Spd Adj:Low Spd

From IMSS setting (D137/D138 only):

No.	IMSS setting
22	Paper Transfer Feed Speed Adjustment

Note

- Only change the paper type and thickness that the user needs to use.

- Change either registration motor speed or transport motor speed. If you will go with this workaround, please reset the transfer roller speed to default, then change the figure by 0.1% each.

From SP mode (D135/D136/D137/D138):

SP No.	SP Name
SP1-008-001 to 008	Fine Adj. Transport Motor 1 Speed
SP1-010-001 to 008	Fine Adj. Transport Motor 2 Speed
SP1-012-001 to 008	Fine Adj. Transport Motor 3 Speed
SP1-016-001 to 022	Fine Adj. Relay Motor CW Speed
SP1-019-001 to 022	Fine Adj. Registration Motor Speed
SP1-034-001 to 022	Fine Adj. Duplex Exit Motor Speed

From IMSS setting (D137/D138 only):

No.	IMSS setting
16	Registration Motor Feed Speed Adjustment
17	First Transport Motor Feed Speed Adjustment
18	Second Transport Motor Feed Speed Adjustment
19	Third Transport Motor Feed Speed Adjustment
20	Relay Transport Motor Feed Speed Adjustment: CW
21	Relay Transport Motor Feed Speed Adjustment: CCW
29	2-sided Exit Motor Feed Speed Adjustment

Note

- Only change the paper type and thickness that the user needs to use.
- Change the all the speed in the same figure.

5.39.5 TROUBLESHOOTING FOR UNEVEN DENSITY IN THE AREA 85MM FROM THE TRAILING EDGE IN LOW-TEMPERATURE, LOW-HUMIDITY ENVIRONMENT

Symptom

The density in independent dot halftone or halftone areas may be higher or lower in the area 0-85mm from the trailing edge, when printing under low-temperature/low-humidity conditions.

Cause

1. Variations in the attractive force and distance between the ITB and paper immediately before paper transfer
2. Toner scatters in the pre-transfer section after the paper clears the registration rollers, which produces high image density in these areas.

Solution

Adjust the speed of the registration rollers as follows.

If the image density is high, set the following to a lower value, and vice-versa. Change the value 1% at a time and check the results.

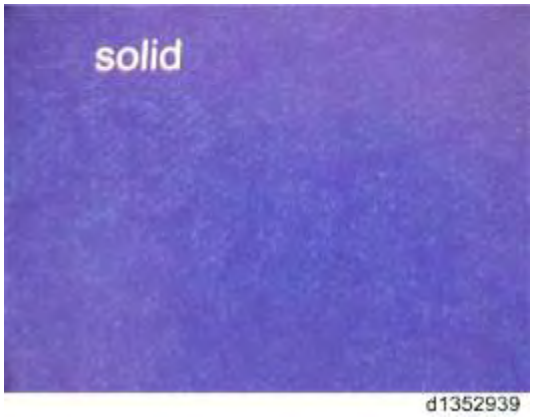
Pro/Office	SP No.	SP Name	Value
Pro/Office	**SP2-451-001**	[ITB K:Standard: FC]	**0 to 70**
Pro	**SP2-802-001 to 100**	[ITB Bias:K:FC] (for each custom paper)	**0 to 70**

Pro/Office	IMSS setting No.	IMSS setting	Value
Pro	**38**	Image Transfer Current Setting: FC: Black (for each custom paper)	**0 to 70**

5.39.6 TROUBLESHOOTING FOR GRAINY IMAGE

Symptom

The image density is not uniform across image areas when printing onto paper that is not smooth under High-temperature, High-humidity. (See sample below)



Cause

When using paper that has an unsmooth surface, the strength of the electrical field between the ITB and the concaved areas in the paper weakens, causing low image density only in these areas.

Action D135/D136:

Increase toner density by following SPs.

1. Change process control target from SP mode (Ideal setting: +0.03 to 1.0 from the default)
   SP: 3-620-111 to 114 (Plain : Maximum M/ A : K, C, M, Y)
2. Execute manual process control from SP mode.
   SP: 3-011-002 (Manual ProCon: Density Adjustment)

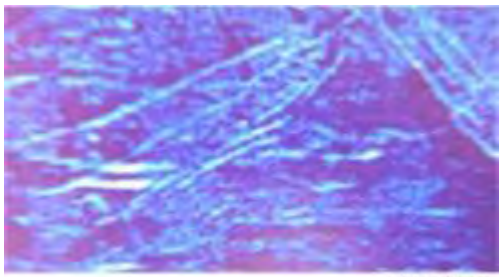
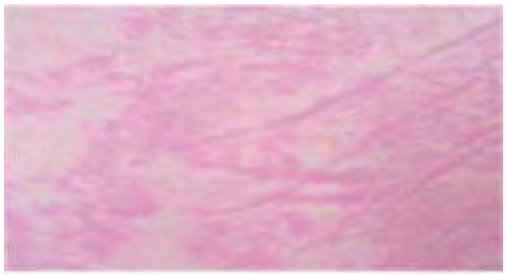
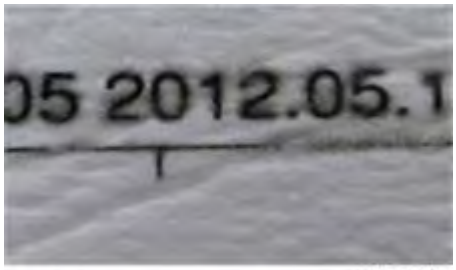
D137/D138:

Increase the value of Toner Adhesion in the IMSS setting.

No.	IMSS setting
33	Adjust Toner Adhesion (Black)
34	Adjust Toner Adhesion (Cyan)
35	Adjust Toner Adhesion (Magenta)
36	Adjust Toner Adhesion (Yellow)

5.39.7 TROUBLESHOOTING FOR DENSITY UNEVENNESS AND DUST WHEN USING AC TRANSFER (PRO C5110S/PRO C5100S)

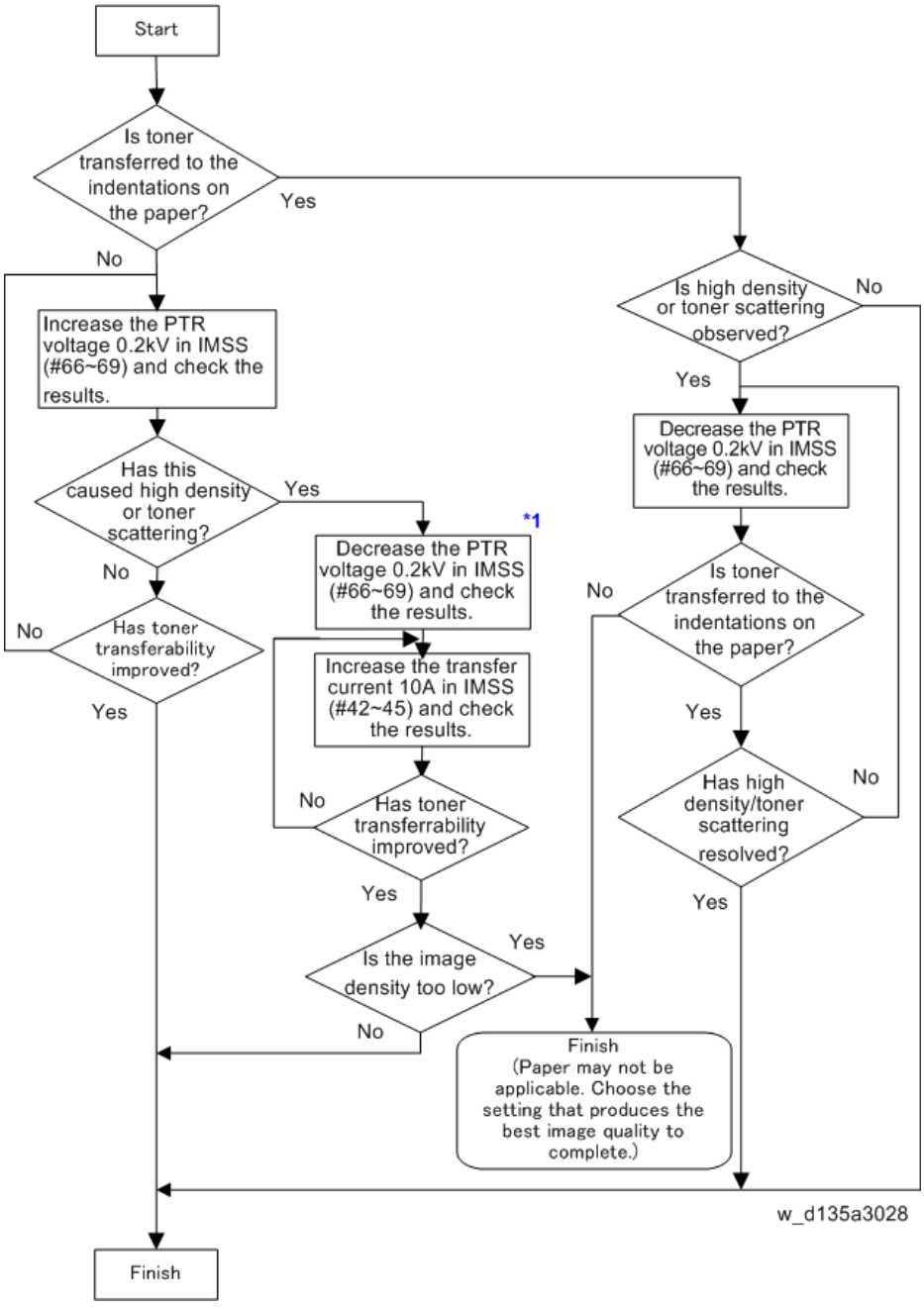
Symptom / Cause

Symptom	Example	Cause
Toner is not transferred to the indentations on texture paper.	 d1352929	Surface of the paper is rough. PTR voltage is too low.
Toner accumulates and density is too high in the indentations on texture paper.	 d1352930	Surface of the paper is rough. PTR voltage is too high.
Scattered text and thin line images	 d1352931	1. Surface of the paper is rough. 2. PTR voltage is too high.

The above problems are likely to occur under the following conditions:

1. Printing on thick texture paper
2. Continuous printing of low image coverage jobs (5% or lower)

Flow chart


Start
Is toner transferred to the indentations on the paper?
Yes
No
Increase the PTR voltage 0.2kV in IMSS (#66~69) and check the results.
Has this caused high density or toner scattering?
Yes
No
*1
Decrease the PTR voltage 0.2kV in IMSS (#66~69) and check the results.
Has toner transferability improved?
No
Yes
Increase the transfer current 10A in IMSS (#42~45) and check the results.
Has toner transferrability improved?
No
Yes
Is the image density too low?
Yes
No
Is high density or toner scattering observed?
No
Yes
Decrease the PTR voltage 0.2kV in IMSS (#66~69) and check the results.
Is toner transferred to the indentations on the paper?
No
Yes
Has high density/toner scattering resolved?
No
Yes
Finish
(Paper may not be applicable. Choose the setting that produces the best image quality to complete.)
w_d135a3028
Finish

3. [Textured Paper: Paper Transfer Voltage Setting]

B/W

IMSS No. / SP	Description	Range
66 (SP2-851-001 to 100)	Textured Paper: Paper Transfer Voltage Setting: B&W: Side 1	0.0 to 14.0kV (Default: 8.0)

IMSS No. / SP	Description	Range
67 (SP2-852-001 to 100)	Textured Paper: Paper Transfer Voltage Setting: B&W: Side 2	0.0 to 14.0kV (Default: 8.0)

Full color

IMSS No. / SP	Description	Range
68 (SP2-853-001 to 100)	Textured Paper: Paper Transfer Voltage Setting: Full Color: Side 1	0.0 to 14.0kV (Default: 8.0)
69 (SP2-854-001 to 100)	Textured Paper: Paper Transfer Voltage Setting: Full Color: Side 2	0.0 to 14.0kV (Default: 8.0)

[Textured Paper: Paper Transfer Current Setting]

B/W

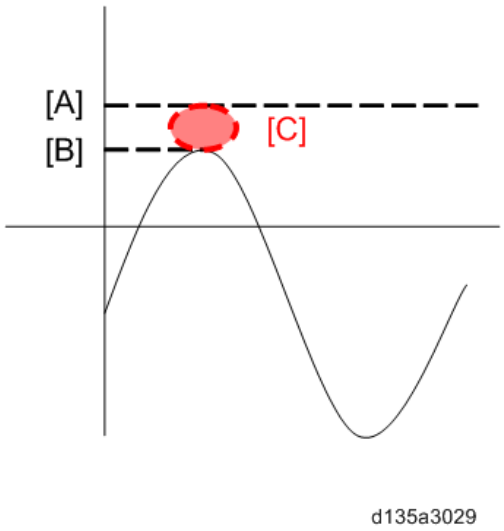
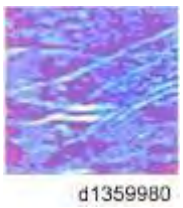
IMSS No. / SP	Description	Range
42 (SP2-811-001 to 100)	Paper Transfer Current Setting: B&W: Side 1	-300 to 0 μA (Default: -34)
44 (SP2-812-001 to 100)	Paper Transfer Current Setting: B&W: Side 2	-300 to 0 μA (Default: -34)

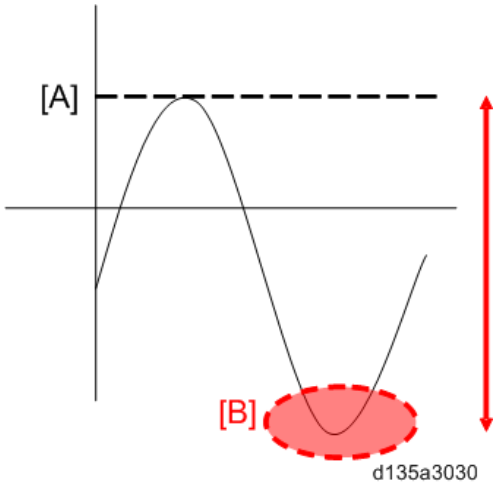
Full color

IMSS No. / SP	Description	Range
43 (SP2-813-001 to 100)	Paper Transfer Current Setting: Full Color: Side 1	-300 to 0 μA (Default: -34)
45 (SP2-814-001 to 100)	Paper Transfer Current Setting: Full Color: Side 2	-300 to 0 μA (Default: -34)

Reference: PTR voltage vs. Toner transferability

Table 1: Problems when the PTR voltage does not reach the target

Cause	PTR voltage waveform (AC + DC)	Symptom
PTR voltage does not reach the target.	 [A]: V (target) [B]: V (actual) [C]: Risk of poor toner transfer	Insufficient toner transfer 

PTR voltage is set too high. (Fluctuation of the waveform is too big.) As a result, electrical discharge occurs at the PTR.	 [A]: V (high AC) [B]: Risk of electrical discharge	Excess toner transfer

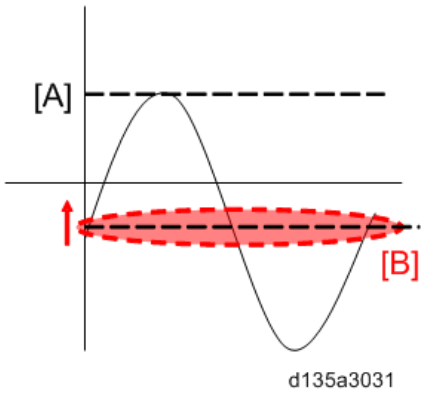
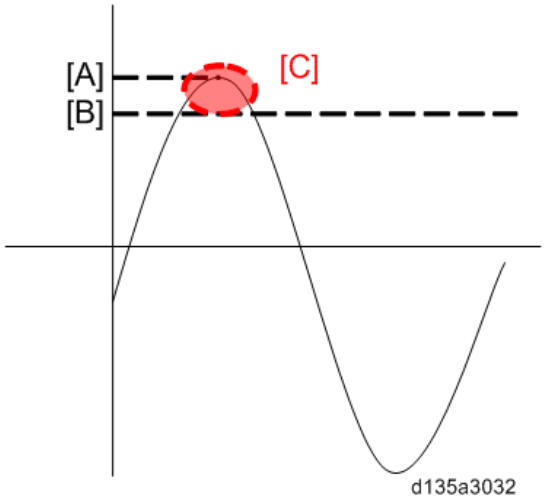
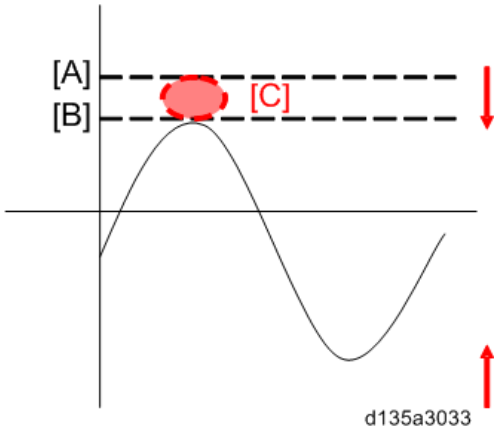
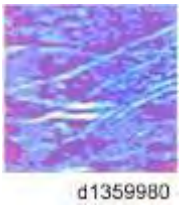
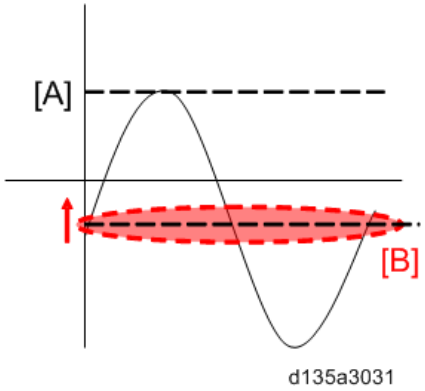
Cause	PTR voltage waveform (AC + DC)	Symptom
PTR transfer current is set too high and causes the waveform to shift to the positive.	 [A]: V (high DC) [B]: Risk of low density	Image density decreases.

Table 2: Problems when the PTR voltage exceeds the target

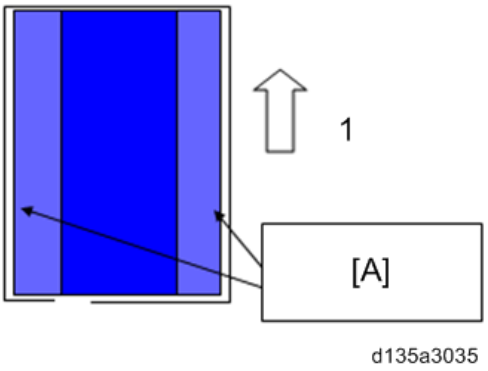
Cause	PTR voltage waveform (AC + DC)	Symptom
PTR voltage exceeds the target and causes electrical discharge at the PTR.	 [A]: V (actual) [B]: V (target) [C]: Risk of scattered text/line	Excess toner transfer

Cause	PTR voltage waveform (AC + DC)	Symptom
PTR voltage is set too low. (Fluctuation of the waveform is too small.)	 [A]: V (target) [B]: V (low AC) [C]: Risk of poor toner transfer	Insufficient toner transfer 
PTR transfer current is set too high and causes the waveform to shift to the negative. As a result, electrical discharge occurs at the PTR.	 [A]: V (low DC) [B]: Risk of electrical discharge	Excess toner transfer

Troubleshooting for Uneven glossiness when feeding large size paper after small size paper

Symptom

The glossiness is uneven at the left and right sides of the paper, along the paper feed direction (outside the width of the small-sized paper types), when printing onto wide paper types after making many prints onto narrow paper.



1: Feed direction

[A]: Sides of the belt [A] that are wider than narrow paper types

Cause

Making many prints of narrow sheets leaves the sides of the belt [A] hot and the center relatively cool. As a result, the surface temperature across the belt is uneven.

Solution

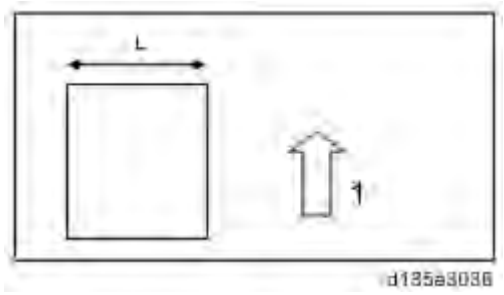
Do the following.

1. Change the SP values as shown below depending on the size of the (narrow) paper that was used before the symptom occurred.

Size of paper that was previously fed		Corresponding SP			
Paper size L	Paper size (example)	Name	No.	Default value	Change to
216.0mm < L ≤ 257.0mm	B4 SEF	Switch:Rotation Start/Stop: End Temp.:After Job:B4	1-121-005	200	120
182.0mm < L ≤ 216.0mm	Letter SEF, Legal SEF, A4 SEF	Switch:Rotation Start/Stop: End Temp.:After Job:B5	1-121-006	200	120

Size of paper that was previously fed		Corresponding SP			
Paper size L	Paper size (example)	Name	No.	Default value	Change to
L ≤ 182.0mm	B5 SEF, A5 SEF, Half Letter SEF, B6 SEF, A6 SEF, Postcard	Switch:Rotation Start/Stop: End Temp.:After Job:A5	1-121-007	200	120

Illustration of paper size



1: Feed direction

2. Set **SP1-121-003** (Switch:Rotation Start/Stop: Time:After Job) to a value of "100 sec".

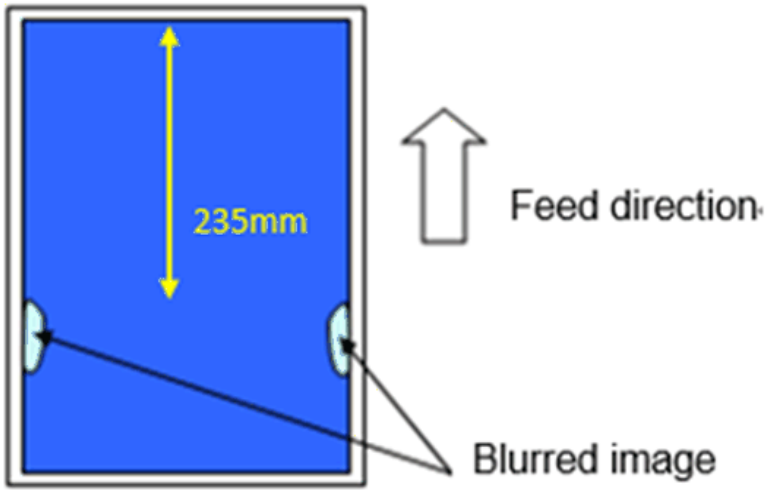
Pro/Office	SP No.	SP Name	Value
Pro/Office	**SP2-121-003**	Switch:Rotation Start/Stop: Time:After Job	0 to 300

3. Feed paper in the same way as when the problem occurred.
4. If the symptom still occurs, set **SP1-121-003** (Switch:Rotation Start/Stop: Time:After Job) to a value of "180sec" and check the results.
5. If the symptom still occurs, set **SP1-121-003** (Switch:Rotation Start/Stop: Time:After Job) to a value of "240sec" and check the results.
6. If the symptom still occurs, set **SP1-121-003** (Switch:Rotation Start/Stop: Time:After Job) to a value of "300sec" and check the results.

5.39.8 TROUBLESHOOTING BLURRED IMAGE ON FRONT AND REAR SIDES TOWARD THE TRAILING EDGE

Symptom

Image on both front (operator) and rear (non-operator) sides toward the trailing edge is blurred.

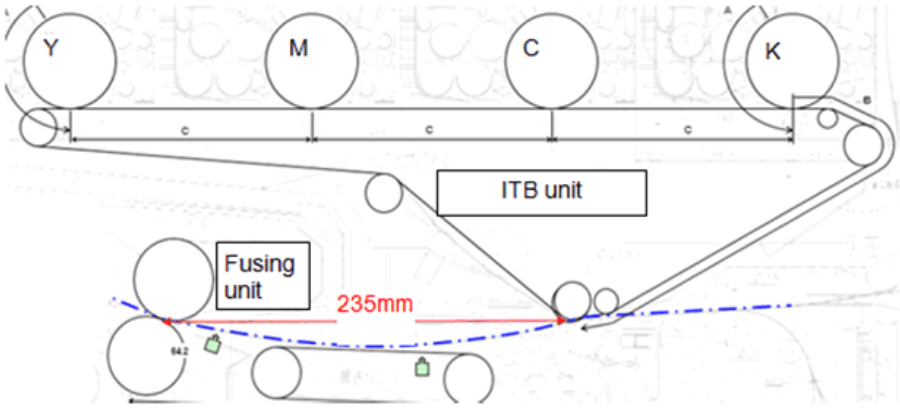


w_d135a3143

The problem could occur under any of the following conditions Paper with low stiffness
Thin paper A3/DLT
or larger

Cause

Line speed of the fusing unit is slightly faster than the ITB. This causes to pull the paper and affect the image at 235mm from the leading edge, which corresponds to the distance between the two units.



w_d135a3144

Solution

Part 1: Line speed adjustment in IMSS (or in SP mode)

Decreasing the line speed of the fusing unit will prevent pulling of the paper between the fusing and ITB units.

Part 2: Fusing entrance guide adjustment

Lowering the fusing entrance guide plate will make the paper path straighter (= shorter), which also helps prevent the fusing and ITB units from pulling the paper.

Part 1: Line speed adjustment in IMSS (or in SP mode)

1. Decrease the fusing speed and paper exit motor speed 0.5% from the current value in IMSS (or in SP mode).

IMSS No. / SP	Description	Range
23 (SP1-987-001 to 254)	Fusing Feed Speed Adjustment	-10 to +10
24 (SP1-965-001 to 100)	Exit Motor Feed Speed Adjustment	-3 to +3

Print out 20 copies of the affected image and check the result. If a different abnormal image appears, restore the settings and do Part 2: Fusing entrance guide plate adjustment.

2. If no improvement, repeat step 1, however, this time by 0.5%.
3. Print out 20 copies of the affected image and check the result. If the problem persists, do Part 2: Fusing entrance guide plate adjustment.

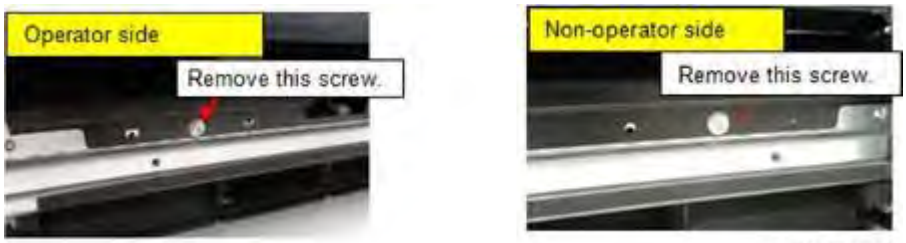
Part 2: Fusing entrance guide plate adjustment

Remove the fusing unit from the mainframe.

d135a3040

[A]: Fusing entrance guide plate

Remove the screws fixing the guide plate at both front (operator) and rear (non-operator) sides.



w_d135a3145

Set the screw removed in the previous step to the hole in the front most position for both operator and non-operator sides. DO NOT fully fasten the screws yet.

w_d135a3146

Fully fasten the screws to complete the procedure.

5.39.9 TROUBLESHOOTING FOR RANDOM PITCH BANDING CAUSED BY LUBRICANT FALLING FROM THE DRUM CLEANING UNIT

Symptom

Banding appears on the printouts at random intervals/pitch.

d135a0023

Cause

The lubricant in the drum cleaning unit falls into the registration unit and creates smudges on the ITB encoder sensor. As a result, the engine speed cannot be controlled correctly.

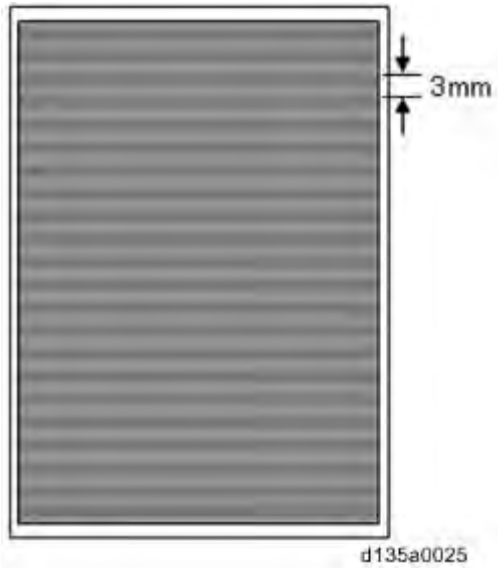
Solution

Clean the ITB encoder with a blower brush.

5.39.10 TROUBLESHOOTING FOR 3MM-PITCH BANDING ON PAPER WITH PAPER THICKNESS 6 (PRO C5110S/C5100S)

Symptom

Bands (uneven density) in 3mm pitch appear across the entire page when printing on Thick6 paper.



Cause

PCB power output level is inconsistent.

How to verify if the bands are caused by inconsistent PCB power output level

Execute Process Control (SP3-011-002).

Select the test patterns (CMYK) in SP2-109-003 and specify the values described in the table below and print out the test patterns.

		Test pattern (CMYK Chart) and Setting			
		K	C	M	Y
SP	2-109-003 (Test pattern no.)	12	12	12	12
	2-109-006 (Bk output density)	15	0	0	0

		Test pattern (CMYK Chart) and Setting			
		K	C	M	Y
	2-109-007 (C output density)	0	15	0	0
	2-109-008 (M output density)	0	0	15	0
	2-109-009 (Y output density)	0	0	0	15

Measure the pitch of the bands.

Solution

- Set the process speed to “3: Low speed” and decrease the fusing heat roller temperature 10 °C from the current temperature in IMSS (or in SP mode).

IMSS No. / SP	Description	Range
15 (SP1-986-001 to 100)	Process Speed Setting (for each custom paper)	0 to 3 (Default: 0)
74 (SP1-984-001 to 100)	Fusing Heat Roller Temperature Adjustment (for each custom paper)	0 to 200

- Print the test pattern and check the results. If the fuseability has degraded, turn on the “Toner reduction” mode provided that the image is of 3C and image quality is maintained.
- Again, print the test pattern and check the results. If the fuseability is still poor, increase the heating roller temperature 5°C. (DO NOT set the temp higher than 180°C.)
- If the problem does not resolve, replace the PCB (K/C) and/or PCB (M/Y) depending on the color showing the problem.

5.40 IMAGE QUALITY 006: STAINS

5.40.1 OVERVIEW

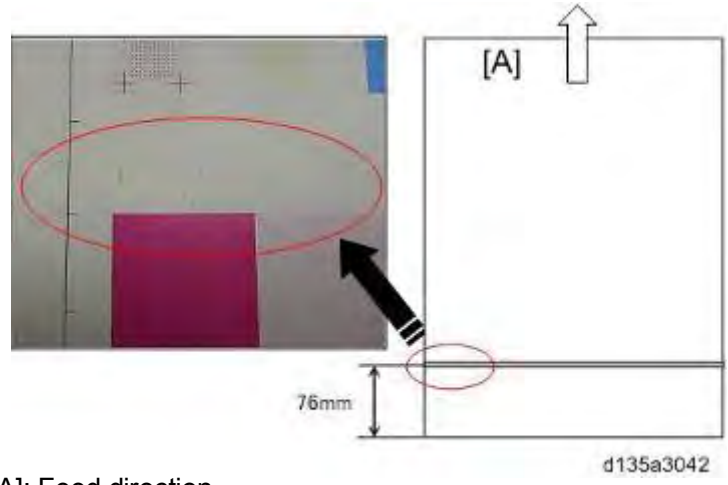
Areas outside letters or images are stained.

Item	Description
Stains in the area 76mm from the trailing edge	Stains in the shape of horizontal streaks may appear in the area 76mm from the trailing edge.
Stains on the side edges of paper	If the machine has been used for a long time, toner, paper powder and foreign objects sticking to the rollers may get on the side edges of the paper.

5.40.2 TROUBLESHOOTING FOR STAINS IN THE AREA 76MM FROM THE TRAILING EDGE

Symptom

Stains in the shape of horizontal streaks appear in the area 76mm from the trailing edge when printing high-coverage images onto coated paper.



[A]: Feed direction

Cause

Fused toner passes through the heat pipe rollers, and sticks to the surfaces of the rollers. When the heat pipe roller slips, it chips off toner that has been fixed on the paper. The offset toner may get on the paper again, depending on the paper type and the image being printed.

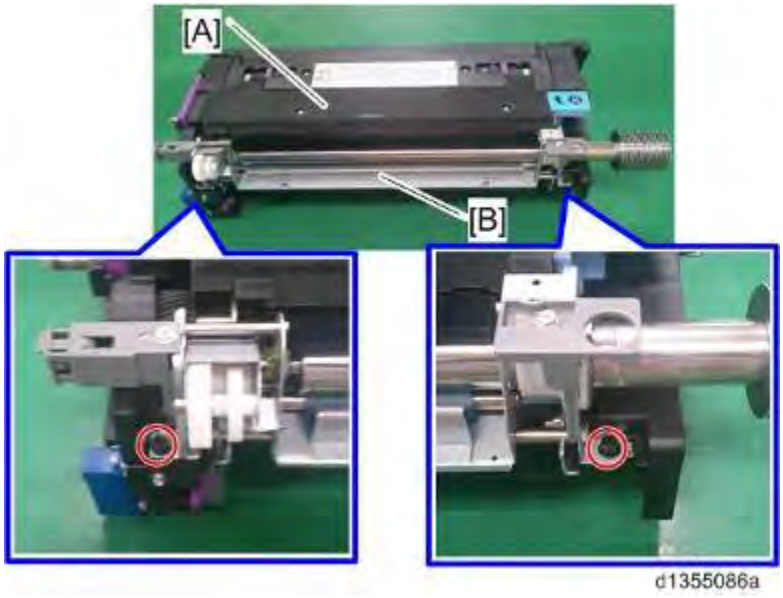
Solution

Clean the heat pipe unit. See
Procedure below.

Procedure

Remove the fusing unit.

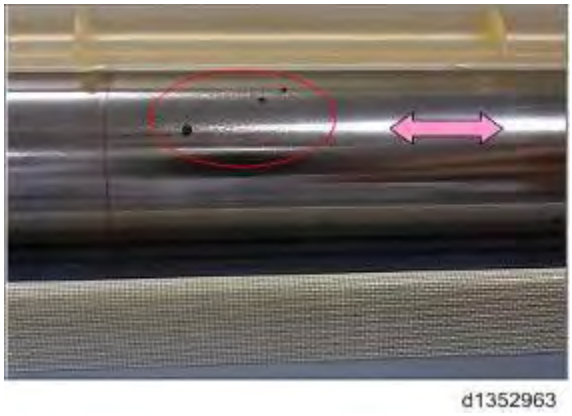
Open the separation unit [A] and remove the heat pipe unit [B] (5 screws).



Remove the toner stuck to the heat pipe rollers using sandpaper (#1500).

Important

Move the sandpaper back and forth horizontally and rotate the heat pipe roller to clean it full-circle.



Wipe the places that you sanded in Step 3 with a damp cloth. Re-attach the heat pipe unit to the fusing unit.

5.40.3 TROUBLESHOOTING FOR STAINS ON THE SIDE EDGES OF PAPER

Symptom

Toner, paper dust, and foreign objects may stick to the rollers and then to the side edges of the paper.

Cause

The machine has not been used for a long period of time.

Solution

Do the following.

- If the paper has stains, match up their positions against the roller/rib map. If the positions of the stains match those of the transport rollers, wipe the transport rollers, paper exit rollers, duplex unit rollers, and rollers inside paper handling options with a damp (wrung-out) cloth.
- If the stains appear to be caused the by the static discharge brushes, clean these brushes in the paper exit section [A] and inverter section [B] on the left side with a blower brush.

d1352969

5.41 IMAGE QUALITY 007: TONER FLAKING OFF

5.41.1 TROUBLESHOOTING FOR BLOCKING ON THE PAPER OUTPUT TRAY

Symptom

Paper printed and stacked on the output tray stick together (known as “toner blocking”) when printed in duplex.

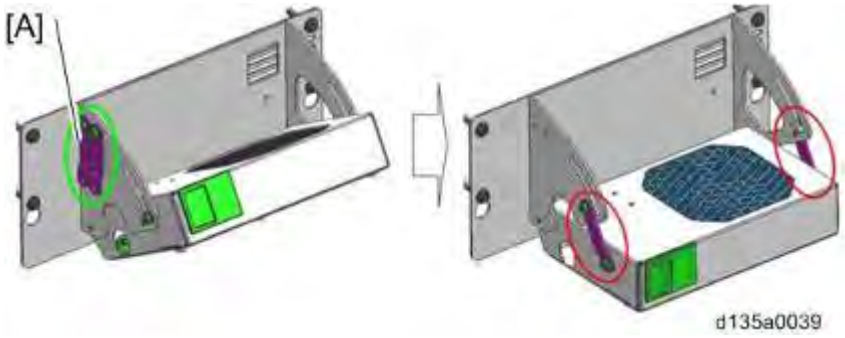
Cause

Toner fused on the paper is not completely dried.

Solution

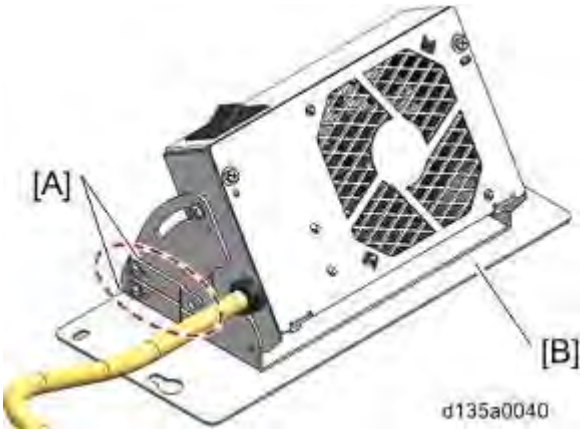
Activate the Cooling Fan included as an accessory to the Copy Tray Type M2.

If the above does not resolve the problem, set the cooling fan in the procedure described on the following pages so that it faces in a 90° angle.



Procedure

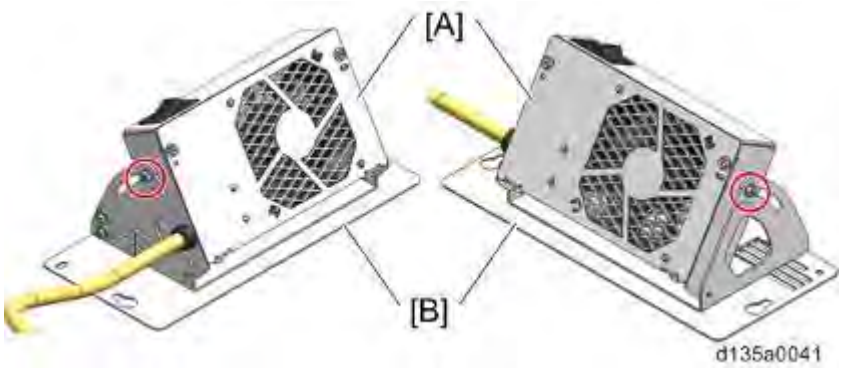
- Remove bracket [A] from bracket [B]. (x 2)



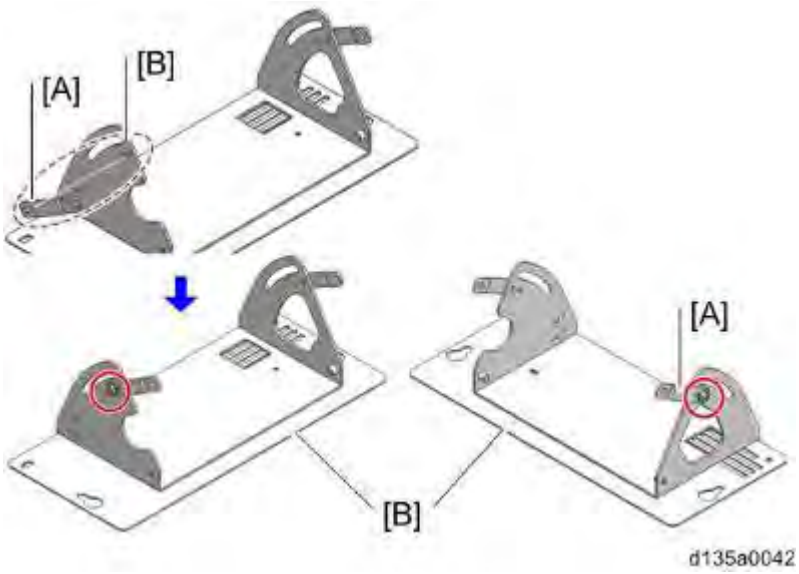
- Do the same on the other side. (x 2)

Important

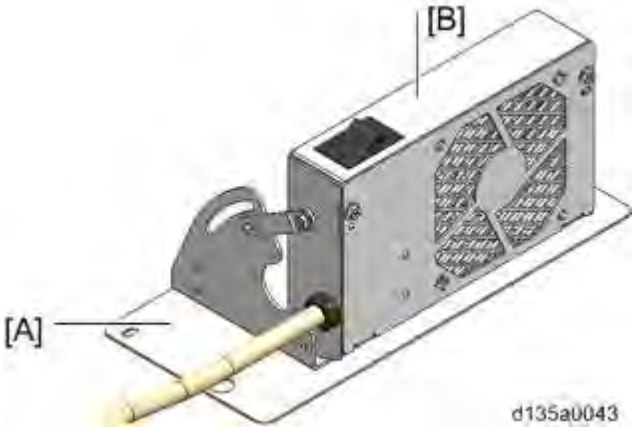
1. Work carefully to avoid dropping the unit.



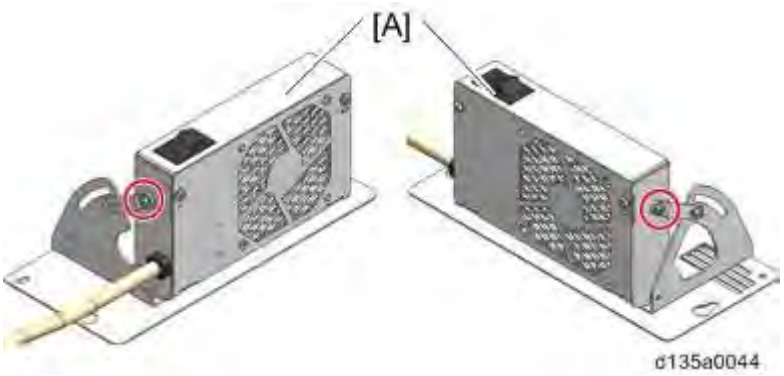
- Fit the bosses on bracket [B] to the holes on bracket [A] and fix the brackets. (x 2)



- Set the cooling unit [B] on the bracket [A] in a 90° angle.



- Fix the cooling unit [A] with the bracket in a 90° angle. (x2)


[A]
d135a0044

5.42 PAPER TRANSPORT

5.42.1 PAPER TRANSPORT 001: CURLS

Symptom

Thin paper curls inside the machine if the Decurl unit is not installed.

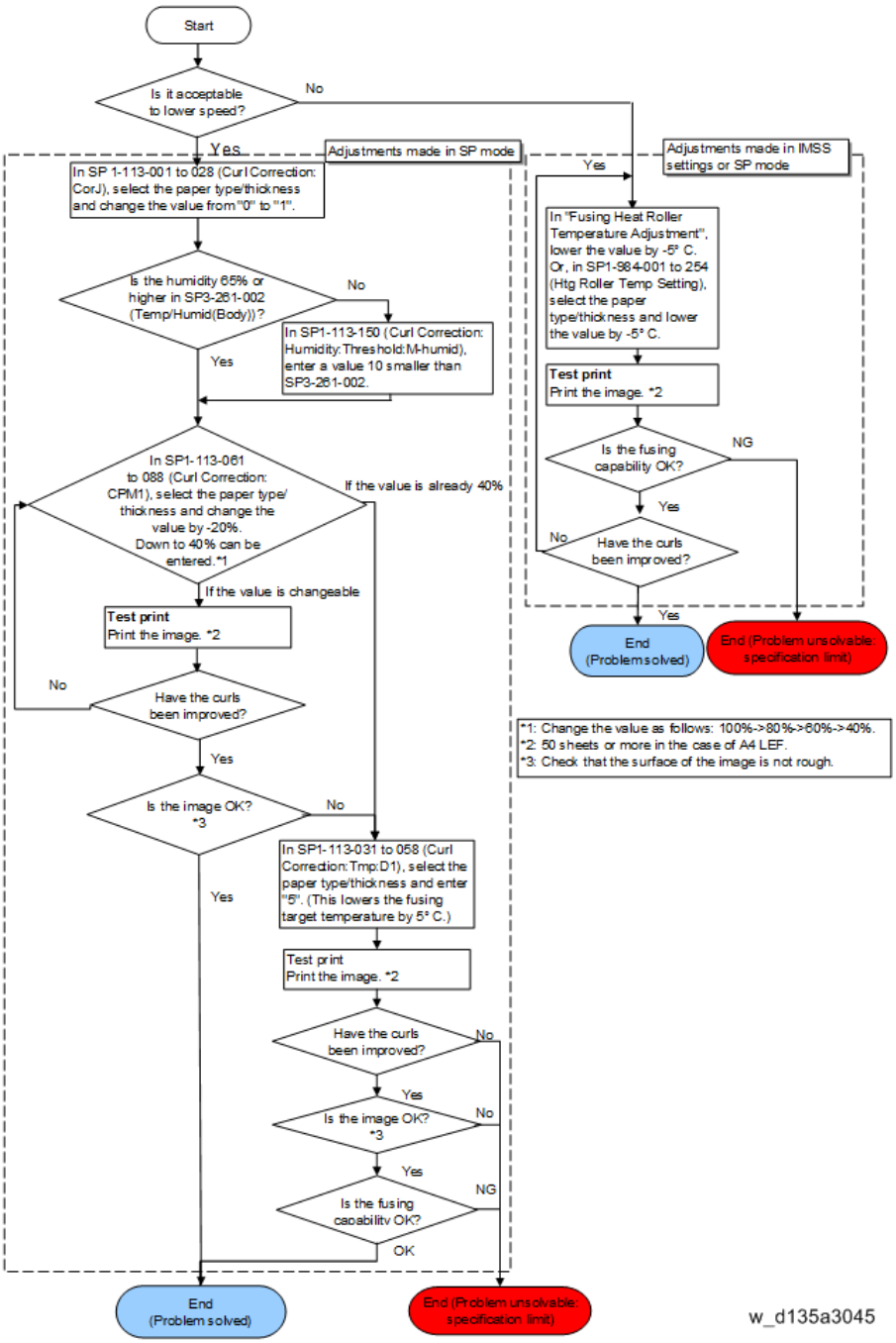
Cause

Thin paper types tend to “shrink” during the fusing process.

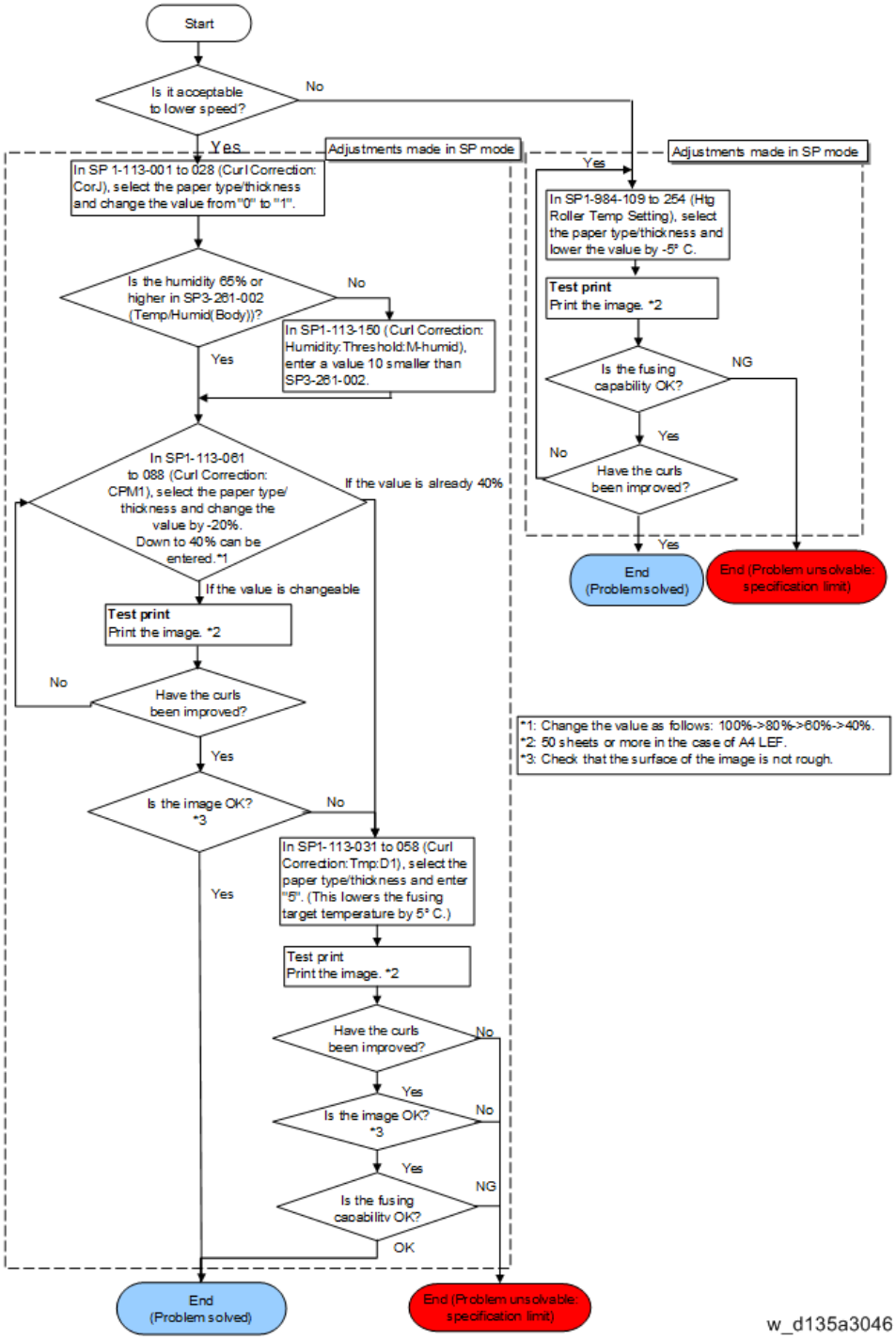
Solution

Do the action in the flowcharts below for each model (D137/D138, D135/D136).

D137/D138:



D135/D136:



Note

- Raising the heat roller temperature may cause the following side effects.
  - Fusibility may be reduced
  - Glossiness of the image may decrease
  - Stains may be visible if printing halftone images onto uncoated paper

5.43 PAPER TRANSPORT 002: ENVELOPES

5.43.1 TROUBLESHOOTING FOR ENVELOPES ARE WRINKLED

Symptom

Poor fusing or wrinkles may occur when printing onto some types of envelopes.

Cause

The nip width (clearance) is not optimal for some types of envelopes.

Solution

Adjust the envelope nip width as follows.

Poor fusing:

Change the SP value in increments of +5msec and check the print results.

Wrinkles:

Change the SP value in increments of -5msec and check the print results.

Pro/Office	SP No.	SP Name	Value
Pro/Office	SP1-996-109 to 254	Envelope Nip Width Setting (for each paper thickness/ type)	0 to 2000msec
Pro	SP1-996-001 to 100	Envelope Nip Width Setting (for each custom paper)	0 to 2000msec

Pro/Office	IMSS setting No.	IMSS setting	Value
Pro	85	Fusing Nip Width Adjustment for Envelope	0 to 2000msec

5.43.2 TROUBLESHOOTING FOR FEED DIRECTION LIMITATIONS APPLIED ON CERTAIN TYPES OF ENVELOPES

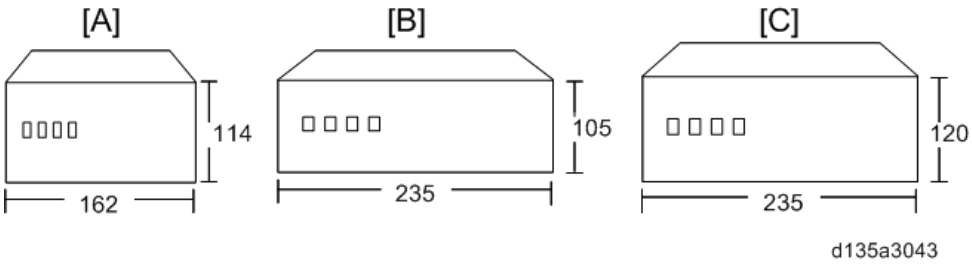
Symptom

The following may occur when printing onto the envelopes shown below:

1. Wrinkles
2. Paper transport issues
3. Flaps stick (closed) to the body of the envelope

Note

1. If the envelopes are fed in the SEF direction, they tend to warp in between the PTR unit and fusing unit.



[A]: C6, [B]: 105x235, [C]: DLX

Cause

The heat of the fusing process may cause wrinkles to form or the adhesive on the flaps to melt if the flaps are folded.

Solution

When feeding the types of envelopes described above, feed them from the bypass tray, in the LEF direction (from the trailing edge), with the flaps open.

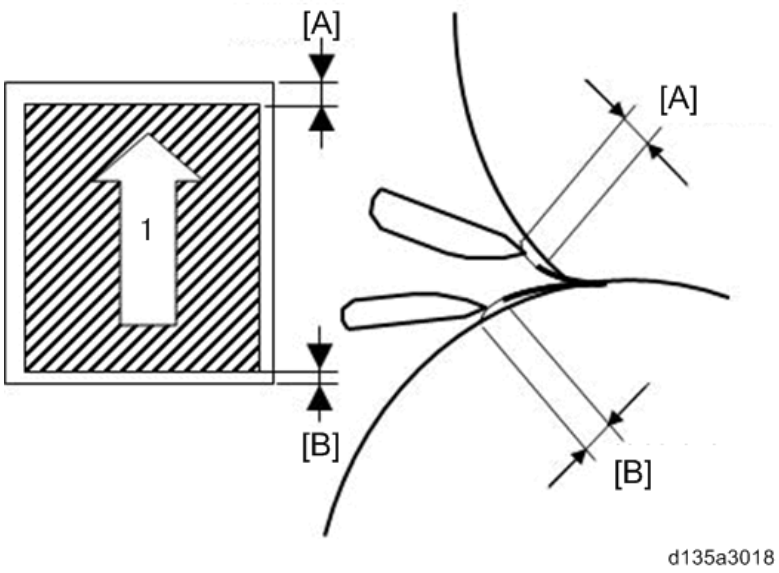
5.44 PAPER TRANSPORT 003: TWINING JAMS

5.44.1 TROUBLESHOOTING FOR TWINING JAMS IN THE LOWER PART OF THE FUSING UNIT CAUSED BY INSUFFICIENT MARGINS

Symptom

An “accordion jam” may occur under the following conditions:

1. Thin, coated paper
2. A large amount of toner is needed to develop the images on the leading or trailing edge
3. The margins at the leading and trailing edges are relatively narrow



1: Feed direction

[A]: Leading edge margin [B]:

Trailing edge margin

Cause

The margin at the leading or trailing edge is too narrow, which causes the paper to stick to the pressure roller stripper plate.

Solution

Do the following:

4. Increase the margins the leading/trailing edges (up to a maximum of 10mm).
   See page 337 "Margin adjustment".

   Note

   If you adjust the margins without adjusting the image position, parts of the image may not be printed. To adjust the image position, see Step 2 below.

5. If the symptom still occurs, try adjusting the position of the image at the same time.
   Change the value in increments of **-0.5mm**, up to a maximum width of 10mm.

   Important

   - Before you make any registration adjustments, make sure that the margin in the direction you will move the image is wide enough.

   Subscan registration adjustments:

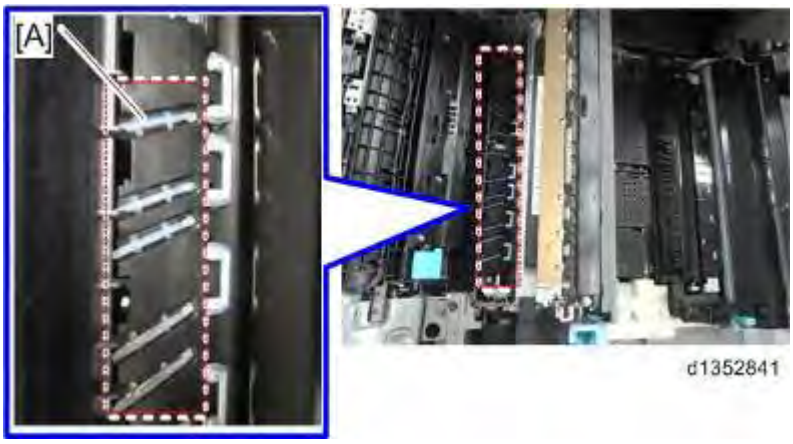
Pro/Office	SP No.	SP Name	Value
Pro/Office	SP1-001-004 to 111	Lead Edge Reg (for each paper type)	±9.0

Pro/Office	SP No.	SP Name	Value
Pro	SP1-950-001 to 100	L-Edge Regist Adj (Front) (for each custom paper)	±3.0
Pro	SP1-951-001 to 100	L-Edge Regist Adj (Rear) (for each custom paper)	±3.0

Pro/Office	IMSS setting No.	IMSS setting	Value
Pro	6	Adjust Image Position of Side 1 With Feed Direction	±3.0
Pro	7	Adjust Image Position of Side 2 With Feed Direction	±3.0

6. If the symptom still occurs, check the following and replace parts as necessary.
    1. If the fusing belt is damaged, replace it.
    2. If the gap between the fusing stripper plate and fusing belt is wider than normal, replace the fusing unit.

    Note: The fusing stripper plate cannot be replaced individually (it can only be attached and precision-adjusted at the factory).
    3. If the pressure roller is damaged, replace it.
    4. If the gap between the pressure roller stripper plate and pressure roller is wider than normal, replace the pressure roller stripper plate.
    5. If the rib [A] has come loose, correct the position of the rib as shown.



5.45 OTHER PROBLEMS

5.45.1 OTHER 001: DRAWER UNIT - LOCK MOTOR EMERGENCY

Overview

If you cannot open the drawer, follow this troubleshooting procedure.

Cause

1. The drawer is in a “Not-withdrawable” state.
2. There is a paper jam between the Drawer Unit and another unit (this is called a ‘straddling jam’). In this case, the Drawer Unit is locked because if the user pulls out the drawer under that condition, it would tear the paper.
3. The pressure of the PTR is not released correctly.
4. The Drawer Unit Lock Sensor or Drawer Unit Lock Motor is defective.

Solution (Summary)

Step 1: Check the machine state.

Step 2: Check whether the pressure of the PTR is released correctly.

Step 3: Check whether the Drawer Unit Lock Sensor or Drawer Unit Lock Motor is defective.

Step 4: Check for the presence or absence of a straddling jam.

Step 5: Release the Drawer Unit lock by removing the parts related to the Drawer Unit lock.

Step 6: Check whether the Drawer Unit Lock Sensor and Drawer Unit Lock Motor work correctly.

Step 7: Check the connections of the Drawer Unit Lock Sensor and Drawer Unit Lock Motor.

Solution (Detailed)

Step 1: Check the machine state.

Drawer Unit State List: Not withdrawable

Machine State		Solution
Output		Wait till the output has finished.
Correcting /Adjustin g	Warming-up, Process Control, MUSIC, Toner Recovery, Web Cleaning	
Forced Power off	Forced shutdown due to blackout / disconnection, or pressing and holding the power button	Rebooting
SC Issued	SC670 / SC672 occurs	See the SC table and follow the solution.
DUB / TSB Abnormal	SC626 occurs	
Defective Any Drawer Lock-related Parts	Cannot release the drawer lock correctly. SC525 occurs due to a problem with the drawer unit lock motor or the PTR release motor.	Go to Step 3
Straddling Jam	If there is a jam (such as the listed jams below) that straddles the drawer unit and other unit, jammed paper will be torn if you pull out the drawer unit, and torn paper may remain in the machine. Jam between: The bypass unit and the registration unit The relay unit and the vertical transport The paper exit and the purge unit So in this machine, the drawer unit is locked when a straddling jam occurs.	Go to Step 2

Step 2: Check whether the pressure of the PTR is released correctly.

5. Remove the Drawer Unit Lock Motor Cover.
6. Check whether the D-cut surface direction of the axis points down. If the D-cut surface direction is correct: Go to Step 4.
7. Release the pressure of the PTR by using the link plate. "If the Drawer is Locked")

If the Drawer Unit can be withdrawn: Solution procedure is finished. If the Drawer Unit can't be withdrawn: Go to Step 3

Step 3: Check whether the Drawer Unit Lock Sensor or Drawer Unit Lock Motor is defective.

1. Do SP1040-001(Drawer Lock Motor Unlocking Operation). If the Drawer Unit is unlocked: Go to Step 4.

If the Drawer Unit is still locked: Go to Step 5.

Step 4: Check for the presence or absence of a straddling jam.

1. Check whether there is jammed paper at the vertical transport, bypass unit, or purge unit.

If absent: Solution procedure is finished.

If present: Remove jammed paper. (Go to the next step.)

Step 5: Release the Drawer Unit lock by removing the parts related to the Drawer Unit lock.

1. Turn the main switch OFF.
2. Follow the procedure 'If You Cannot Open the Drawer' in the service manual, and release the Drawer Unit lock.

Replacement and Adjustment > Drawer Unit > Drawer Unit Cover > If You Cannot Open the Drawer

3. Turn the main switch ON. If successful: Go to Step 6.

If an error occurs: Go to Step 7.

Step 6: Check whether the Drawer Unit Lock Sensor and Drawer Unit Lock Motor work correctly.

1. Do SP5803-204: Input Check Drawer Lock Sensor
2. Do SP5805-150: Output Check Drawer Lock Sensor If successful: Solution procedure is finished.

If an error occurs: Go to Step 7.

Step 7: Check the connections of the Drawer Unit Lock Sensor and Drawer Unit Lock Motor

If the harness connection is correct: Replace the Drawer Unit Lock Sensor and/or Motor. If the harness connection is poor: Connect it correctly. (Solution procedure is finished.)

5.45.2 TROUBLESHOOTING FOR TOO MUCH WEIGHT/ABNORMAL NOISE ON PULLING OUT/PUSHING IN THE DRAWER UNIT

Symptom

It is very difficult to pull out/push in the drawer unit, and/or noise is made when this is done.

Cause

Grease on the positioning pins decreases over time.

Solution

Apply grease (Barrierta S552R) to the drawer unit positioning pins when the amount of grease gets too low.

Note

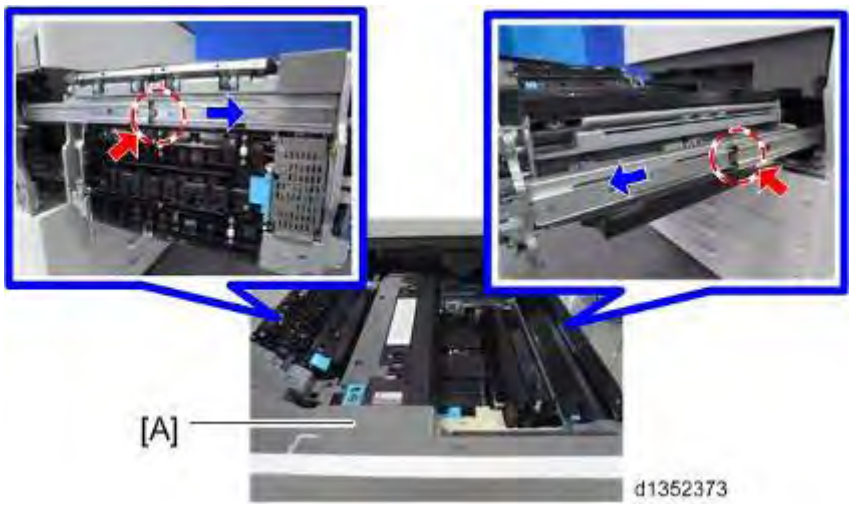
- As a rough figure, the grease needs to be applied every 2000 times the drawer unit is opened.

Procedure

Press the release levers and pull out the drawer unit [A] all the way.

Important

If you are working in a low-temperature environment (15 °C or lower), make sure to **complete this step within 30 minutes**. This is because the tension of the drawer cord will decrease and the cord will stretch.

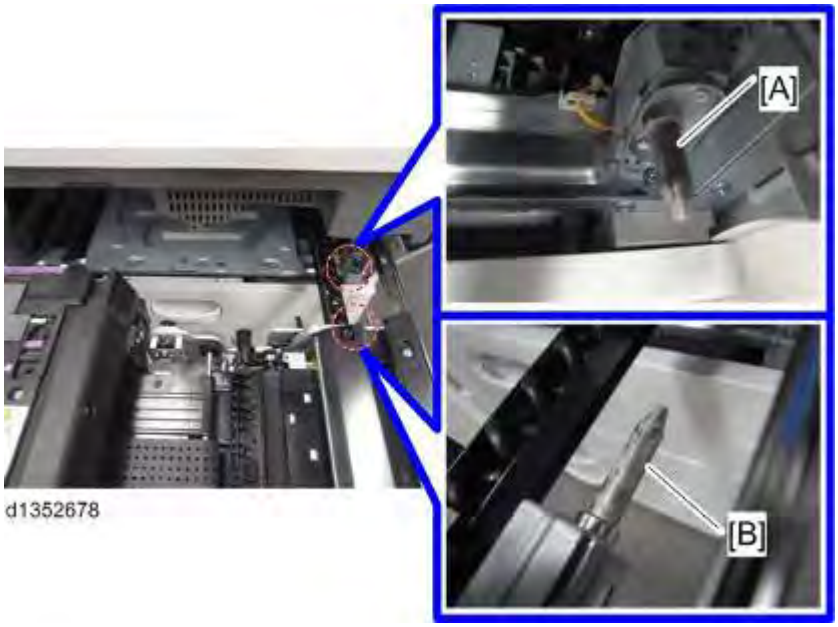


Apply Grease Barrierta S552R in thin layers to the drawer unit positioning pins.

Area: On and around the positioning pins

Amount: **0.05g - 0.1g**

[A]: Drawer unit positioning pin (right-front) [B]: Drawer unit positioning pin (right-rear)



[C]: Drawer unit positioning pin (front left) [D]: Drawer unit positioning pin (rear left)

5.46 OTHER 002: CORRESPONDANCE TABLE FOR ADJUSTMENT SETTINGS

5.46.1 CORRESPONDENCE TABLE FOR ADJUSTMENT SETTINGS FOR OPERATORS AND SP MODE

The correspondence table for Adjustment Settings for Operators and SP settings is as follows.

Machine: Image Quality

No.	Item	SP No.
0209	Photoconductor Special Mode	SP2-225
0210	Fusing Belt Smoothing	SP1-133
0211	Fusing Ability by Paper Feed Speed	SP1-135

2 Machine: Paper Feed/Output

No.	Item	SP No.
0106	Criteria for Paper Weight	SP1-307

05 Machine: Maintenance

No.	Item	SP No.
0701	Temperature	SP3-260
0702	Humidity inside the Machine	SP3-261

07 Finishing: Finisher

No.	Item	SP No.
0401	Adjust Punch Position With Feed Direction	SP6-100
0402	Adjust Punch Position Across Feed Direction	SP6-101
0403	Adjust Staple Position	SP6-111
0404	Adjust Staple Position for Booklet	SP6-112
0405	Adjust Folding Position for Booklet	SP6-113
0406	Adjust Folding Speed for Booklet	SP6-114
0407	Correct Punch Skew	SP6-102
0408	Punch Skew Correction	SP6-103
0409	Paper Alignment in Shift Tray Across Feed Direction	SP6-104
0410	Paper Alignment for Stapling Across Feed Direction	SP6-107
0411	Paper Alignment for Booklet Across Feed Direction	SP6-108
0412	Adjust Paper Tapping for Extra Feed for Stapling	SP6-120
0413	Adjust Claw Shift for Center Folding	SP6-122
0501	Adjust Staple Position	SP6-142
0502	Adjust Punch Position With Feed Direction	SP6-140

Correspondance Table for Adjustment Setting and SP Mode (D137/D138 Only)

The correspondence table for TCRU adjustment settings and SP settings is as follows.

Number	Skilled Operator Setting	SP No	
0101	Adjust Image Position With Feed Direction	1	001
0102	Adjust Image Position Across Feed Direction	1	003
0103	Adjust Registration Paper Buckle	1	004
0104	Adjust Registration Paper Buckle (Thick Paper)	1	004
0106	Criteria for Paper Weight	1	307
0107	Adjust Erase Margin of Leading Edge	2	121
0107	Adjust Erase Margin of Trailing Edge	2	121
0107	Adjust Erase Margin of Left Edge	2	121
0107	Adjust Erase Margin of Right Edge	2	121
0108	Adjust Wide LCT Fan Level	1	920
0109	Adjust Wide LCT Fan Timer	1	921
0110	Pickup Assist Setting	1	923
0120	Adjust Paper Curl	1	906
0130	Perpendicularity Adjustment	2	104
0140	Buffer Pass Unit Fan Activation Setting	1	932
0201	Adjust Image Density	3	001
0201	DEMS	3	040
0202	Image Density Adjustment Execute Interval	3	533
0203	Adjust Maximum Image Density	3	620
0204	Adjust Line Width	3	623
0205	Adjust Density Difference Across Feed Direction	2	113
0206	Adjust Cleaning Web Motor Interval	1	161
0207	Adjust Fusing Temperature on Standby	1	107

Number	Skilled Operator Setting	SP No	
0208	Auto Color Selection Setting	2	907
0209	Photoconductor Special Mode	2	225
0210	Fusing Belt Smoothing	1	133
0211	Fusing Ability by Paper Feed Speed	1	135
0301	Execute Cleaning Initial Setting	3	032
0302	Execute Process Initial Setting	3	020
0303	ITB Manual Lubrication	2	696
0304	Tighten Fusing Cleaning Unit at Replacement	1	161
0305	Reset Replaceable Parts Counter	3	701
0306	Replaceable Parts Counter	7	621
0307	Target Value for Replaceable Part	7	623
0401	Adjust Punch Position With Feed Direction	6	100
0402	Adjust Punch Position Across Feed Direction	6	101
0403	Adjust Staple Position	6	111
0404	Adjust Staple Position for Booklet	6	112
0405	Adjust Folding Position for Booklet	6	113
0406	Adjust Folding Speed for Booklet	6	114
0407	Correct Punch Skew	6	102
0408	Punch Skew Correction	6	103
0409	Paper Alignment in Shift Tray Across Feed Direction	6	104
0410	Paper Alignment for Stapling Across Feed Direction	6	107

Number	Skilled Operator Setting	SP No	
0411	Paper Alignment for Booklet Across Feed Direction	6	108
0412	Adjust Paper Tapping for Extra Feed for Stapling	6	120
0413	Adjust Claw Shift for Center Folding	6	122
0501	Adjust Staple Position	6	142
0502	Adjust Punch Position With Feed Direction	6	140
0503	Paper Alignment for Stapling Across Feed Direction	6	141
0504	Paper Alignment for Stapling With Feed Direction	6	145
0505	Paper Alignment in Shift Tray Across Feed Direction	6	143
0601	Half Fold Position (Multi-sheet Fold)	6	314
0602	Letter Fold-out Position 1 (Multi-sheet Fold)	6	315
0603	Letter Fold-out Position 2 (Multi-sheet Fold)	6	316
0604	Letter Fold-in Position 1 (Multi-sheet Fold)	6	317
0605	Letter Fold-in Position 2 (Multi-sheet Fold)	6	318
0606	Folding Unit Tray Full Detection	6	762
0607	Number of Sheets Folded after Full Detection	6	763
0701	Temperature	3	260
0702	Humidity inside the Machine	3	261
0703	Back Up / Restore Custom Paper Data	-	-

5.47 OTHER 003: CORRESPONDANCE TABLE FOR IMSS SETTINGS

5.47.1 CORRESPONDENCE TABLE FOR IMSS SETTINGS AND SP MODE (D137/D138 ONLY)

Category	No.	IMSS setting	SP No.		
Paper Feed	1	Wide LCT Fan Setting	1	976	001 to 100
	2	Adjust Wide LCT Fan Level	1	975	001 to 100
	3	Pickup Assist Setting	1	977	001 to 100
Paper Path	4	Paper Weight Detection	1	954	001 to 100
	5	Double Feed Detection	1	955	001 to 100
Registration	6	Adjust Image Position of Side 1 With Feed Direction	1	950	001 to 100
	7	Adjust Image Position of Side 2 With Feed Direction	1	951	001 to 100
	8	Adjust Image Position of Side 1 Across Feed Direction	1	952	001 to 100
	9	Adjust Image Position of Side 2 Across Feed Direction	1	953	001 to 100
	10	Adjust Erase Margin of Leading Edge	2	122	001 to 100
	11	Adjust Erase Margin of Trailing Edge	2	123	001 to 100
	12	Adjust Magnification of Side 2 Across Feed Direction	2	952	001 to 100
	13	Adjust Magnification of Side 2 With Feed Direction	2	953	001 to 100
	14	Trailing Edge Full Bleed	2	124	001 to 100

Category	No.	IMSS setting	SP No.		
Drive	15	Process Speed Setting	1	986	001 to 100
	16	Registration Motor Feed Speed Adjustment	1	961	001 to 100
	17	First Transport Motor Feed Speed Adjustment	1	956	001 to 100
	18	Second Transport Motor Feed Speed Adjustment	1	957	001 to 100
	19	Third Transport Motor Feed Speed Adjustment	1	958	001 to 100
	20	Relay Transport Motor Feed Speed Adjustment: CW	1	959	001 to 100
	21	Relay Transport Motor Feed Speed Adjustment: CCW	1	960	001 to 100
	22	Paper Transfer Feed Speed Adjustment	2	831	001 to 100
	23	Fusing Feed Speed Adjustment	1	987	001 to 100
Drive	24	Exit Motor Feed Speed Adjustment	1	965	001 to 100
	25	Switchback Entrance Feed Speed Adjustment	1	966	001 to 100
	26	Switchback Exit Feed Speed Adjustment: CW	1	967	001 to 100
	27	Switchback Exit Feed Speed Adjustment: CCW	1	970	001 to 100
	28	2-sided Switchback Motor Feed Speed Adjustment: CCW	1	971	001 to 100
	29	2-sided Exit Motor Feed Speed Adjustment	1	969	001 to 100

Category	No.	IMSS setting	SP No.		
	30	2-sided Transport Roller Shift Adjustment 1	1	981	001 to 100
	31	2-sided Transport Roller Shift Adjustment 2	1	982	001 to 100
	32	Deactivate 2-sided Transport Roller Shift	1	983	001 to 100
Toner Adhesion	33	Adjust Toner Adhesion (Black)	3	921	001 to 100
	34	Adjust Toner Adhesion (Cyan)	3	922	001 to 100
	35	Adjust Toner Adhesion (Magenta)	3	923	001 to 100
	36	Adjust Toner Adhesion (Yellow)	3	924	001 to 100
Image Transfer	37	Image Transfer Current Setting: B&W	2	801	001 to 100
	38	Image Transfer Current Setting: FC: Black	2	802	001 to 100
	39	Image Transfer Current Setting: FC: Cyan	2	803	001 to 100
Image Transfer	40	Image Transfer Current Setting: FC: Magenta	2	804	001 to 100
	41	Image Transfer Current Setting: FC: Yellow	2	805	001 to 100
	42	Paper Transfer Current Setting: B&W: Side 1	2	811	001 to 100
	43	Paper Transfer Current Setting: Full Color: Side 1	2	813	001 to 100
	44	Paper Transfer Current Setting: B&W: Side 2	2	812	001 to 100

Category	No.	IMSS setting	SP No.		
	45	Paper Transfer Current Setting: Full Color: Side 2	2	814	001 to 100
	46	Paper Transfer Current; Lead Edge: B&W	2	821	001 to 100
	47	Paper Transfer Current; Lead Edge: Full Color	2	822	001 to 100
	48	Paper Transfer Current; Lead Edge Distance: B&W	2	823	001 to 100
	49	Paper Transfer Current; Lead Edge Distance: Full Color	2	824	001 to 100
Image Transfer	50	Paper Transfer Current; Trail Edge: B&W	2	825	001 to 100
	51	Paper Transfer Current; Trail Edge: Full Color	2	826	001 to 100
	52	Paper Transfer Current; Trail Edge Distance: B&W	2	827	001 to 100
	53	Paper Transfer Current; Trail Edge Distance: Full Color	2	828	001 to 100
	54	Paper Transfer CV Start Timing: B&W: Side 1	2	832	001 to 100
	55	Paper Transfer CV Start Timing: B&W: Side 2	2	833	001 to 100
	56	Paper Transfer CV Start Timing: Full Color: Side 1	2	834	001 to 100
	57	Paper Transfer CV Start Timing: Full Color: Side 2	2	835	001 to 100

Category	No.	IMSS setting	SP No.		
	58	Paper Transfer CV Control Duration: B&W: Side 1	2	836	001 to 100
	59	Paper Transfer CV Control Duration: B&W: Side 2	2	837	001 to 100
Image Transfer	60	Paper Transfer CV Control Duration: Full Color: Side 1	2	838	001 to 100
	61	Paper Transfer CV Control Duration: Full Color: Side 2	2	839	001 to 100
	62	Paper Transfer Contact and Disengage Mode	2	841	001 to 100
	63	Adjust Contact Timing of Paper Transfer	2	842	001 to 100
	64	Adjust Disengage Timing of Paper Transfer	2	843	001 to 100
	65	Textured Paper Mode	2	850	001 to 100
	66	Textured Paper: Paper Transfer Voltage Setting: B&W: Side 1	2	851	001 to 100
	67	Textured Paper: Paper Transfer Voltage Setting: B&W: Side 2	2	852	001 to 100
	68	Textured Paper: Paper Transfer Voltage Setting: Full Color: Side 1	2	853	001 to 100
	69	Textured Paper: Paper Transfer Voltage Setting: Full Color: Side 2	2	854	001 to 100
Image Transfer	70	Textured Paper: AC Frequency of Paper Transfer Voltage	2	855	001 to 100
	71	Textured Paper: AC Duty Cycle of Paper Transfer Voltage	2	856	001 to 100

Category	No.	IMSS setting	SP No.		
	72	Textured Paper: Paper Transfer Isolation Voltage: Side 1	2	857	001 to 100
	73	Textured Paper: Paper Transfer Isolation Voltage: Side 2	2	858	001 to 100
Fusing	74	Fusing Heat Roller Temperature Adjustment	1	984	001 to 100
	75	Fusing Pressure Roller Temperature Adjustment	1	985	001 to 100
	76	Fusing Nip Width Setting	1	989	001 to 100
	77	Adjust Fusing Temperature to Transfer Paper	1	995	001 to 100
	78	Adjust Adding Fusing Temperature 1	1	993	001 to 100
	79	Adjust Adding Fusing Temperature 2	1	994	001 to 100
	80	Paper Feed Interval Setting	1	988	001 to 100
	81	Reduce Initial CPM: Low Temperature Environment	1	990	001 to 100
	82	Reduce Initial CPM: Normal/High Temperature Environment	1	991	001 to 100
	83	Adjust Cleaning Web Motor Interval	1	992	001 to 100
	84	Cleaning Web Contact and Disengage	1	998	001 to 100
	85	Fusing Nip Width Adjustment for Envelope	1	996	001 to 100
Decurler	86	Paper Curl Correction Level	6	928	001 to 100
	87	Adjust Paper Curl Correction Level	6	929	001 to 100

Category	No.	IMSS setting	SP No.		
Finisher	88	Adjust Z-fold Position 1	6	750	001 to 100
	89	Adjust Z-fold Position 2	6	751	001 to 100
	90	Half Fold Position: Single-sheet Fold	6	752	001 to 100
	91	Adjust Letter Fold-out Position 1: Single-sheet Fold	6	753	001 to 100
	92	Adjust Letter Fold-out Position 2: Single-sheet Fold	6	754	001 to 100
	93	Adjust Letter Fold-in Position 1: Single-sheet Fold	6	755	001 to 100
	94	Adjust Letter Fold-in Position 2: Single-sheet Fold	6	756	001 to 100
	95	Double Parallel Fold Position 1	6	757	001 to 100
	96	Double Parallel Fold Position 2	6	758	001 to 100
	97	Adjust Gate Fold Position 1	6	759	001 to 100
	98	Adjust Gate Fold Position 2	6	760	001 to 100
	99	Adjust Gate Fold Position 3	6	761	001 to 100

OTHER 004: SC

Troubleshooting for SC516 after Repeated J097

Symptom

Unusual clattering noise is heard when a duplex job starts and the system starts to feed paper. Jam074 occurs, followed by Jam097, which occurs 3 times in succession. The system finally stops with an SC516-02 (sensor shift motor edge detection error).

Cause

The paper size (A4 or $8^1/_2$) fixed with the end fence on the tandem tray does not match with the size specified on the control panel.

The shift roller in the duplex unit operates according to the paper size specified on the control panel, resulting in the above jams and SC.

Check the paper size fixed with the end fence on the tandem tray.

Photo below describes an example of the end fence fixed to $8\ ^1/_2$ size.

d1352924

Check the paper size specified for the tandem tray on the control panel.

w_d135a3001

If the sizes do not match, enter SP5-959-001; Paper Size: 1st Tray (Tandem) and specify the size according to the paper in use.

0: A4 LEF

1: $8^1/_2$ × 11 LEF

Turn the main power off/on.

Confirm proper duplex printing to complete the procedure.

5.47.2 TROUBLESHOOTING SC 570-00 (FUSING BELT SMOOTHING ROLLER ERROR)

Symptom

SC570-00 (fusing belt smoothing roller operation error)

How to isolate the cause of the problem

Execute a forced fusing belt smoothing operation (SP1-133-110). If the SC occurs, do Procedure 1.

If the SC does not occur, do Procedure 2.

Procedure 1

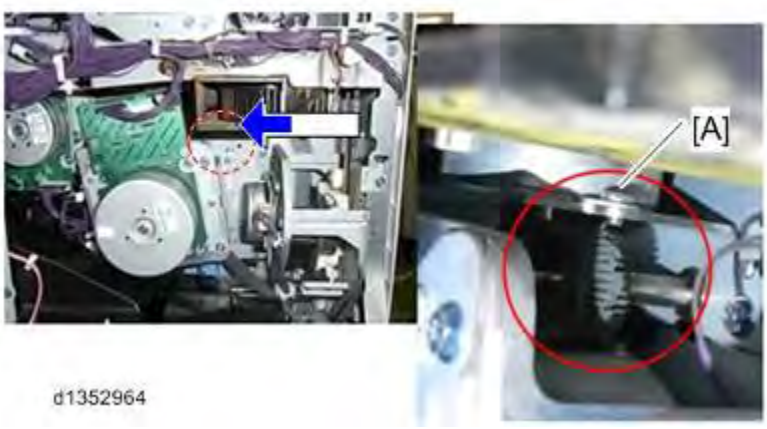
The goal of this procedure is to verify the parts (gear, feeler, sensor, harness, motor) that may be damaged or not connected properly, causing the SC.

Set the value in SP1-133-120 (Fixed Operation Time: Manual) to “1”.

Execute SP1-133-110 (Manual Smoothing: Exe).

Set the value in SP1-133-120 (Fixed Operation Time: Manual) back to “180”.

Check if the gear [A] rotates.



If the gear rotates,

Smoothing roller contact/separate Gear

Smoothing roller contact/separate Feeler

Smoothing roller contact/separate Sensor

may be damaged.

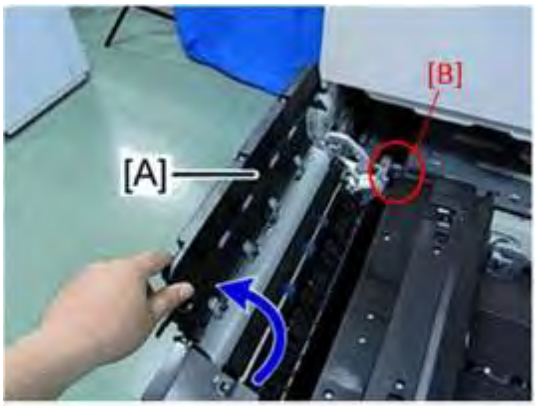
If the gear DOES NOT rotate, Harness Motor may be damaged or its connection is loose.

Replace or fix the affected part(s) accordingly to complete the procedure.

Procedure 2

The goal of this procedure is to verify if the SC is caused by an incorrectly positioned feeler, which may be caused by excess load put on the cam.

Open the upper guide plate [A] of the fusing unit and locate the belt smoothing roller contact/separate feeler [B]. If the cut-out on the feeler is not visible, do Procedure 3.



d135a3147

* The top part of the fusing unit shown in this photo is gray because the unit is of the prototype.

Incorrect	Correct
Cut-out [A] on the feeler is visible.	Cut-out on the feeler is not visible.
d1352965	d1352966
Continue with the next step.	Do Procedure 3.

Check if the brackets [A] and/or [B] are deformed.

If deformed, replace the fusing unit to complete the procedure.

If the brackets are not deformed, excess load on the cam may be the problem. Do the next step.

Apply Fluotribo grease to the sliding surfaces [C] and [D] of the brackets [A] and [B]. Grease amount: 5 ± 1 mm in diameter (0.1 to 0.4 gm)

Procedure 3

The goal of this procedure is to reconfirm proper operation of the belt smoothing roller.

Set the value in SP1-133-120 (Fixed Operation Time: Manual) to “1”. Execute SP1-133-110 (Manual Smoothing: Exe).

Set the value in SP1-133-120 (Fixed Operation Time: Manual) back to “180”. Check if the SC occurs.

If it does not occur, repeat the above steps 1 through 3 three times and check if the SC still does not occur to confirm the effect.

If it does occur, excess load on the cam may be the problem. Do Procedure 2.

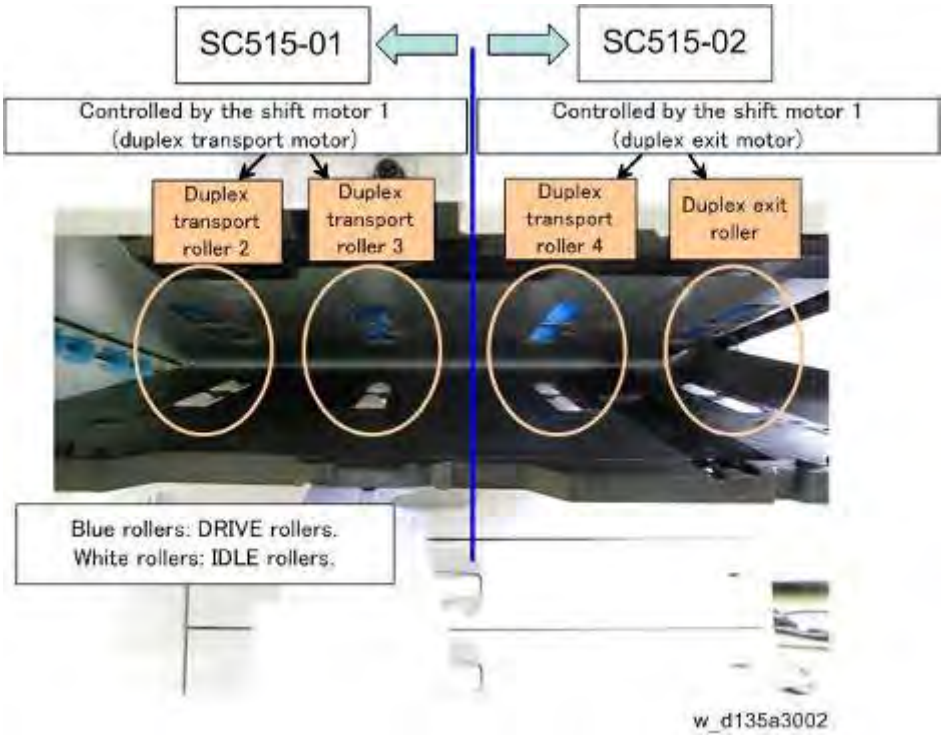
5.47.3 TROUBLESHOOTING SC515-01

Symptom

SC515-01 (Roller Shift Motor 1 Error) before total print volume reaches 10K.

Cause

Because the machine is still new, grease is not completely spread across the roller shift motor (duplex transport motor), causing the motor to lose steps.



Action

If SC515-01 is observed before the machine reaches 10K since installation, do the following procedure to age the duplex transport roller/duplex exit roller.

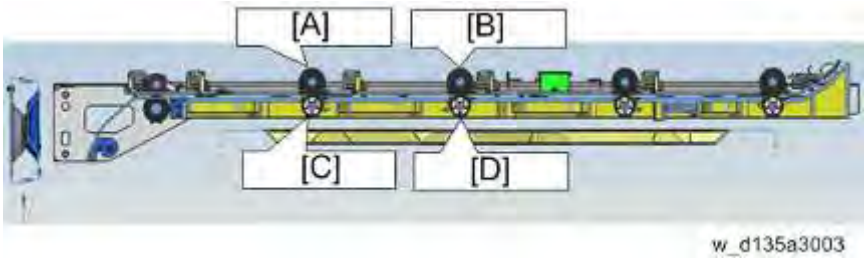
Pull out the drawer unit and open the duplex unit lower guide plate.

Slide the idle rollers of duplex transport rollers [C] and [D] with your fingers toward the front side of the machine as far as they go.

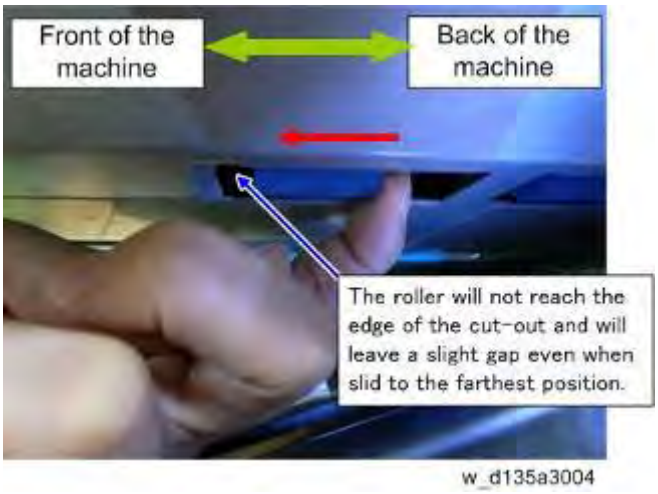
Slide the drive rollers of duplex transport rollers [A] and [B] with your fingers toward the front side of the machine as far as they go.

Important

Make sure to grip the edge of the rollers, not the surface.



[A]: Duplex transport roller 2 (drive) [B]: Duplex transport roller 3 (drive) [C]: Duplex transport roller 2 (idle) [D]: Duplex transport roller 3 (idle)



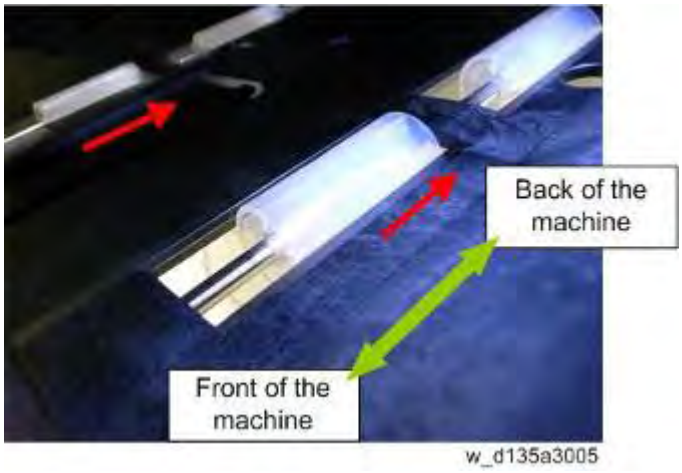
Close the duplex unit lower guide plate and push the drawer unit back into the machine. Set SP5-806-161 (Duplex Feed Mtr:Std Speed) to ON to rotate the duplex transport rollers 2 and 3.

While keeping SP5-806-161 set to ON, set SP5-806-195 (Shift Roller Motor1:Homing) ON and then OFF. Repeat the ON/OFF cycle 10 times.

Set SP5-806-161 (Duplex Feed Mtr:Std Speed) back to OFF.

Pull out the drawer unit and open the duplex unit lower guide plate.

Slide the idle rollers of duplex transport rollers [C] and [D] with your fingers toward the back side of the machine as far as they go.



Slide the drive rollers of duplex transport rollers [A] and [B] with your fingers toward the back side of the machine as far as they go.

Important

Make sure to grip the edge of the rollers, not the surface.

Close the duplex unit lower guide plate and push the drawer unit back into the machine. Set SP5-806-195 (Shift Roller Motor1:Homing) ON and then OFF.

Repeat steps 8 through 12 five times and run a test job to confirm SC515-01 does not occur.

Note

If the SC persists, repeat steps 1 through 13.

5.47.4 TROUBLESHOOTING SC515-02

Symptom

SC515-02 (Roller Shift Motor 2 Error) before total print volume reaches 10K.

Cause

Because the machine is still new, grease is not completely spread across the roller shift motor (duplex exit motor), causing the motor to lose steps.

Action

If SC515-02 is observed before the machine reaches 10K since installation, do the following procedure to age the duplex transport roller/duplex exit roller.

Pull out the drawer unit and open the duplex unit lower guide plate.

Slide the drive rollers of duplex transport roller [C] and duplex exit roller [D] with your fingers toward the front side of the machine as far as they go.

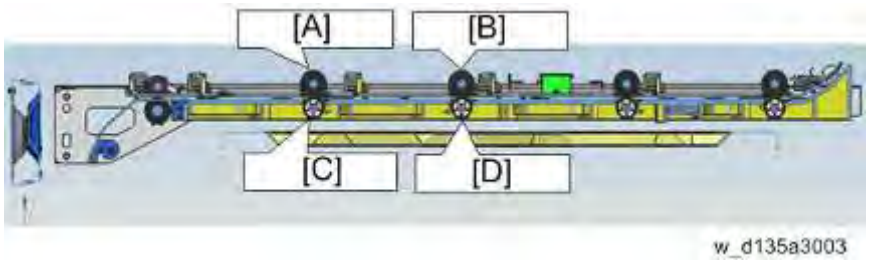
Important

Make sure to grip the edge of the rollers, not the surface.

Slide the drive rollers of duplex transport roller [A] and duplex exit roller [B] with your fingers toward the front side of the machine as far as they go.

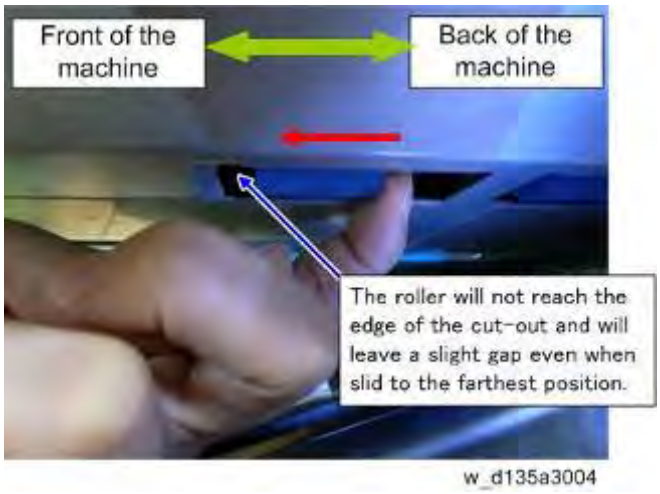
Important

Make sure to grip the edge of the rollers, not the surface.



[A]: Duplex transport roller 4 (drive) [B]: Duplex exit roller (drive)

[C]: Duplex transport roller 4 (idle) [D]: Duplex exit roller (idle)



Close the duplex unit lower guide plate and push the drawer unit back into the machine.

Set SP5-806-174 (Duplex Exit Mtr:Feed Speed:Std Speed) to ON to rotate the duplex transport rollers 2 and 3.

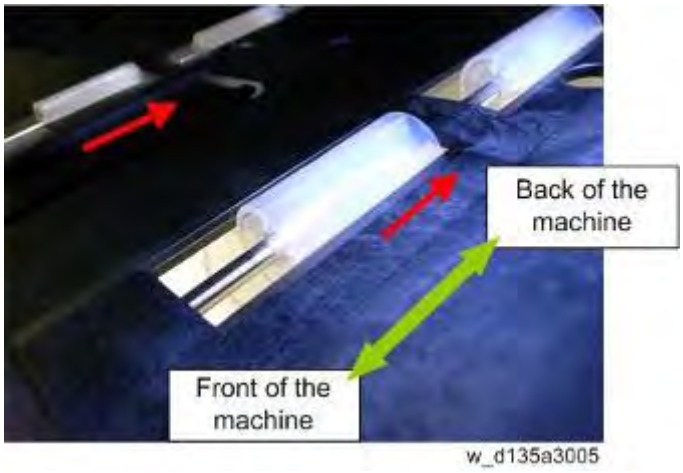
While keeping SP5-806-161 set to ON, set SP5-806-200 (Shift Roller Motor2:Homing) ON and then OFF. Repeat the ON/OFF cycle 10 times.

Set SP5-806-174 (Duplex Exit Mtr:Feed Speed:Std Speed) back to OFF. Pull out the drawer unit and open the duplex unit lower guide plate.

Slide the idle rollers of duplex transport roller [C] and duplex exit roller [D] with your fingers toward the back side of the machine as far as they go.

Important

Make sure to grip the edge of the rollers, not the surface.



Slide the drive rollers of duplex transport roller [A] and duplex exit roller [B] with your fingers toward the back side of the machine as far as they go.

Caution: Make sure to grip the edge of the rollers, not the surface.

Close the duplex unit lower guide plate and push the drawer unit back into the machine.

Set SP5-806-195 (Shift Roller Motor1:Homing) ON and then OFF.

Repeat steps 8 through 12 five times and run a test job to confirm SC515-02 does not occur.

Note

If the SC persists, repeat steps 1 through 13.

5.48 OTHER 005: HDD TROUBLESHOOTING

5.48.1 SYMPTOM

The “Please wait” display does not change to “Ready” after warming up at power ON or after recovering from Energy Saver Mode.

HDD related SC occurrence (Mainly for SC860 to 865)

5.48.2 CAUSE

Mainly AC voltage supplied to the PSU is interrupted, possibly causing corruption of data in the HDD. As a result, the fax function cannot boot up.

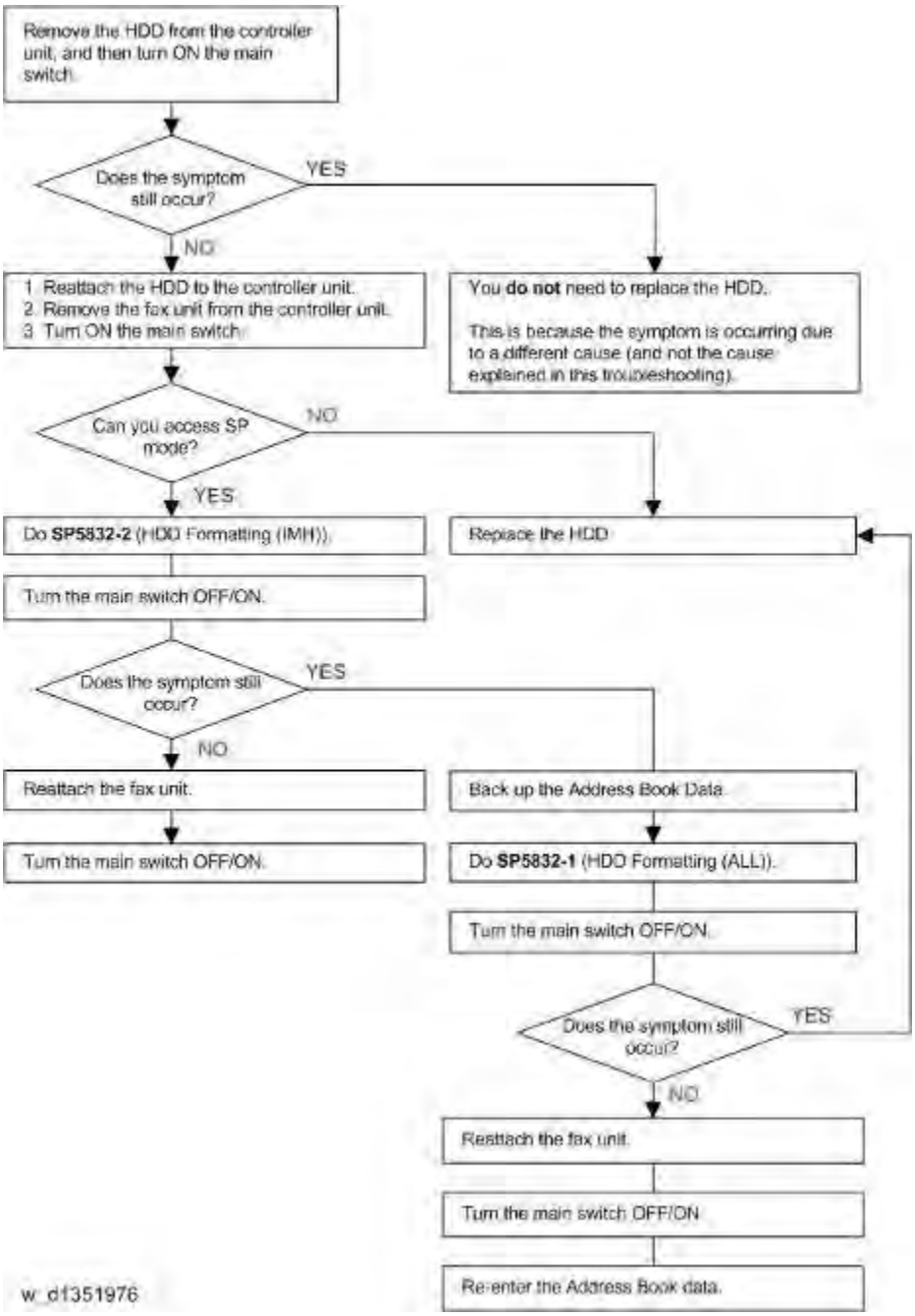
Note

This symptom can happen when the power is interrupted for an instant, or for a longer period (e.g. the user pulls the power cord out of the outlet).

If the power is interrupted, the area in the HDD that contains image data is corrupted easily.

5.48.3 SOLUTION

Follow the action in the attached flowchart.



5.49 PROBLEMS RELATED TO PERIPHERAL DEVICES

5.49.1 PERIPHERALS 001: BUFFER PASS UNIT TYPE 5020

Troubleshooting for Fan Noise Is Large

Symptom

The fan makes a large noise.

Cause

The fan is triggered automatically depending on machine internal settings, as well as the type of paper used and temperature conditions as well.

Solution

Change the fan settings (TCRU adjustment settings).

No.	Item	SP No.
0140	Buffer Pass Unit Fan Activation Setting	SP1-932

The factory-default setting is “Operate with Paper Thickness 4 and higher”.

Choose the appropriate setting among “Always On”, “Operate with Paper Thickness 3 and higher”, “Operate with Paper Thickness 4 and higher”, “Operate with Paper Thickness 5 and higher”, “Operate with Paper Thickness 6 and higher”, and “Always Off”.

Note

Note: There is a tradeoff whereby, the longer the fan is off, the greater tendency there is for toner to flake off the paper.

5.50 PERIPHERALS 002: FINISHER SR4090/SR4100

5.50.1 TROUBLESHOOTING FOR PROOF TRAY DETECTED TO BE FULL TOO SOON

Symptom

The machine detects the tray full condition for the proof tray before the number of sheets in the tray has reached capacity when printing onto large-sized, thin, short-grained paper.

d1352932

Cause

This type of paper is relatively weak and tends to buckle at the proof tray end fence (see photo). This blocks the proof tray sensor.

Solution

Attach the proof support tray [A] (included with the finisher), as shown below.

d1352934

5.50.2 TROUBLESHOOTING FOR ENVELOPES ARE NOT FED

Symptom

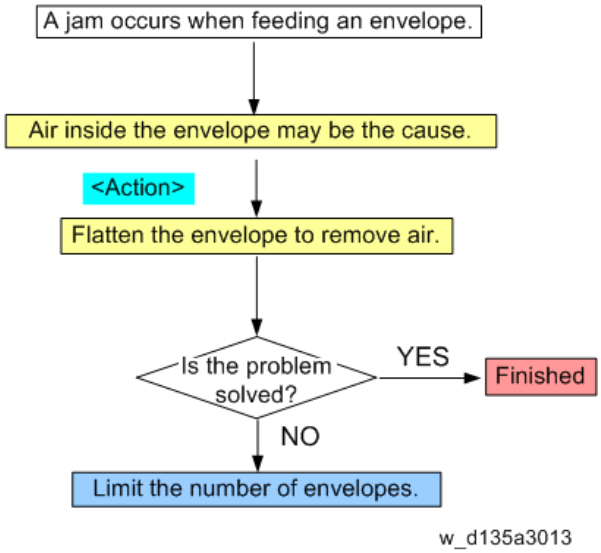
Non-feed jams occur when a large amount of envelopes that have not been flattened enough for feeding are loaded in the feed tray.

Cause

There is air inside the envelopes, which reduces the effective pressure applied by the pickup roller.

Solution

Do the action in the following flowchart:



5.50.3 TROUBLESHOOTING FOR TONER RUBBING OFF ALONG THE FOLD LINE

Symptom

Toner rubs off onto the fold line of stapled Booklets.

Cause

The flat fold rollers in the flat fold booklet unit apply too much pressure to the paper.

Solution

Do the procedures described in “Adjustment of the Flat Fold Booklet Unit” in the Finisher Service Manual (pg. 45).

5.50.4 TROUBLESHOOTING CREASES AND JAM IN STAPLER UNIT (SR4100)

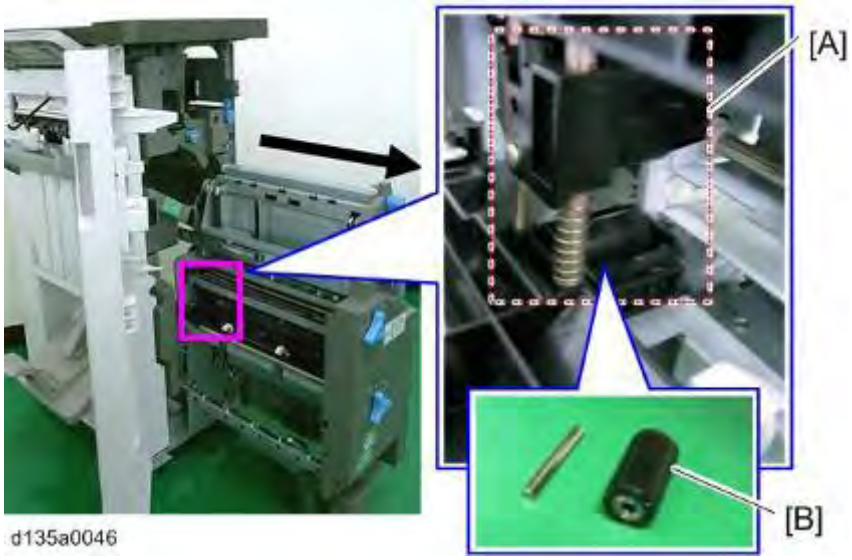
Symptoms

Crease [A] appears along the folded edge of a stapled booklet. Paper jam occurs in the booklet stapler unit.

d135a0045

Cause

The lower flat fold roller [B], installed in the flat fold roller unit [A] is not set in the correct position, possibly due to the shock when pulling out/pushing in the stapler unit.



d135a0046

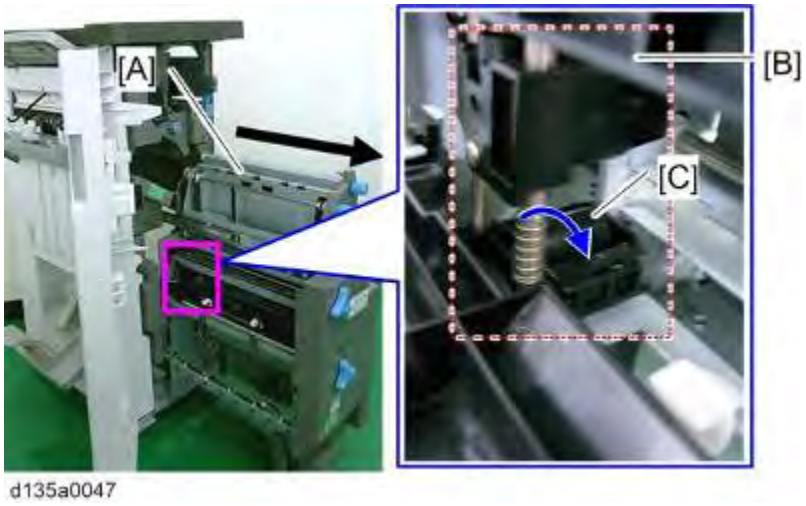
Solution

Pull out the stapler unit [A].

To check if the lower flat fold roller [C] inside the flat fold roller unit [B] is set correctly or not, rotate it with your finger.

The roller should rotate smoothly, if it is set correctly.

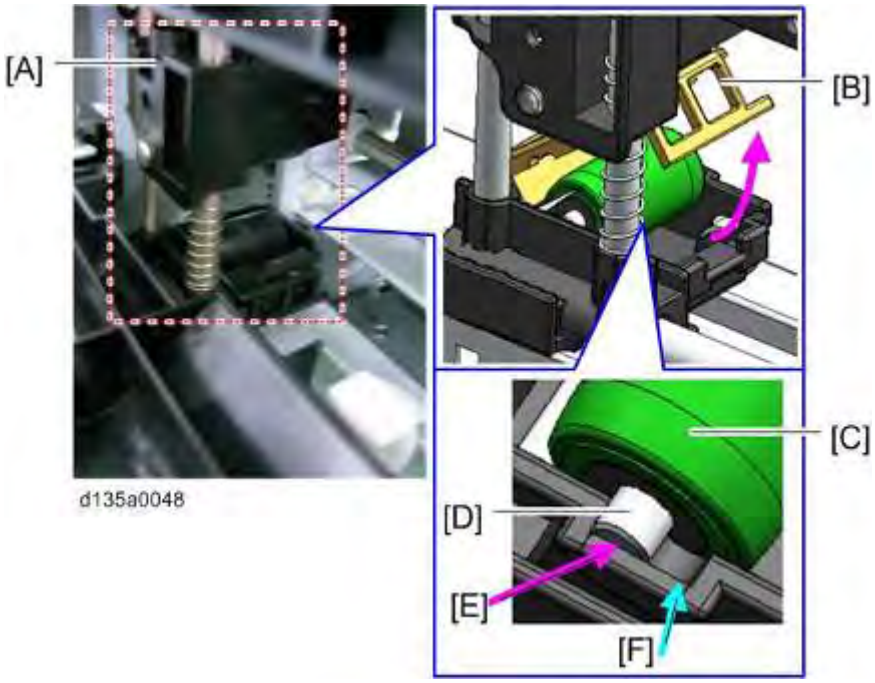
The roller will not rotate, if it is set incorrectly.



Open the case [B] attached to the top half of the flat fold roller unit [A].

Set the lower flat fold roller [C] so that its shaft [D] sits on either of the grooves; [E] at the rear or [F] at the front.

Close the case [B] to complete the procedure.



Note

The default position of the lower flat fold roller is set to groove [E] at the factory.

If the folding operation causes to peel off the toner on the printout, change the roller position to groove [F], which will reduce the pressure applied in the folding operation, purposed for creating thick booklets.

For more details, see page 47 of the Finisher SR4090 /Booklet Finisher SR4100 Field Service Manual.

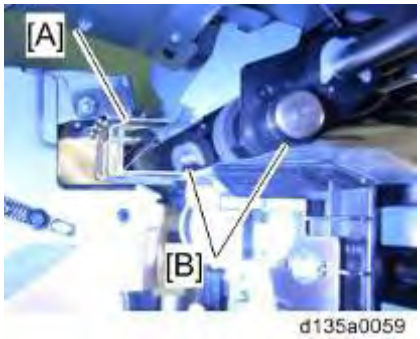
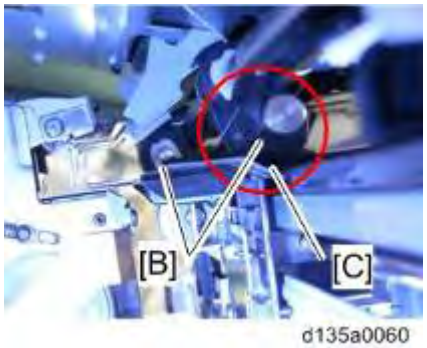
5.50.5 CORNER STAPLING FAILURE/STACK FAILURE/LARGE MISALIGNMENT

Symptom

Some sheets fail to be stapled or large misalignments occur with corner stapling.

Cause

Stacking and stapling is disabled because the drag rollers [B] are stuck on top of the staple tray [C]. This could happen when the trailing edge of the stacked sheets are curled, because curled sheets tend to pull the drag rollers. Another causing factor is when the stack has to be removed manually due to a failure in feeding out the stack.

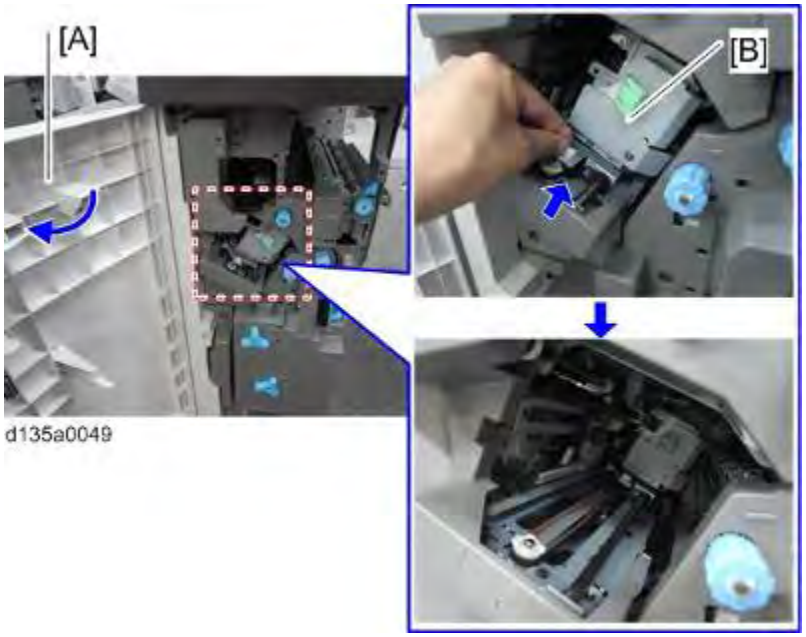
Correct	Incorrect
 d135a0059	 d135a0060

How to check if the drag rollers are positioned correctly

Remove the rear upper cover.

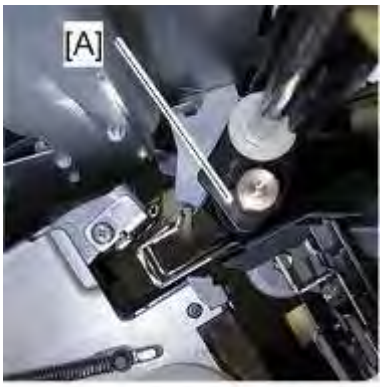
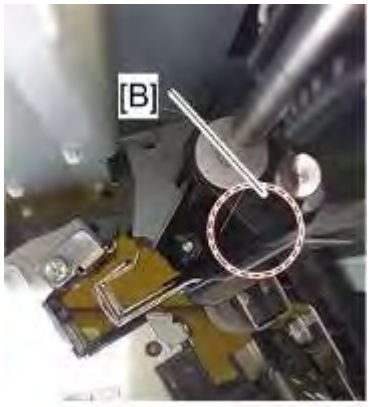
d1351253

Open the front cover [A] and move the stapler unit [B] to the center.



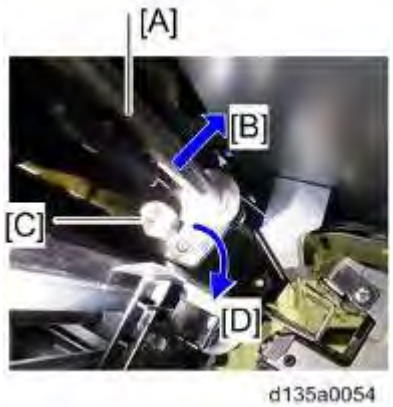
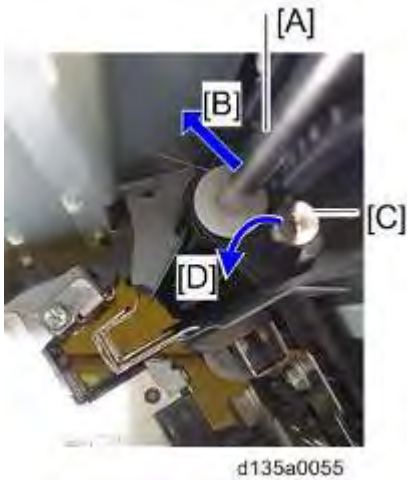
Locate the drag rollers and check if they are positioned correctly by referring to the table below.

Drag roller - FRONT	
[A]: Correct position	[B]: Incorrect position Drag roller is stuck on top of the staple tray.

Drag roller - REAR	
[A]: Correct position	[B]: Incorrect position Drag roller is stuck on top of the staple tray.
 d135a0052	 d135a0053

Solution

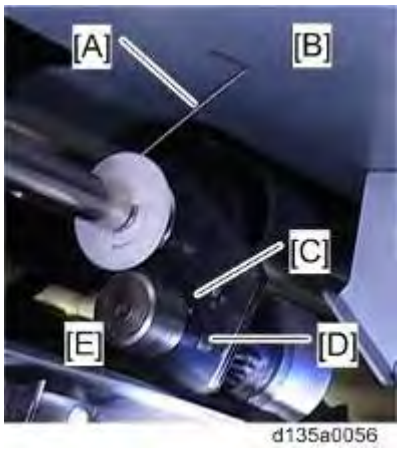
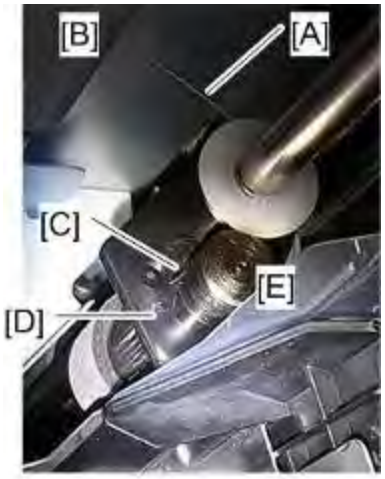
If the roller is stuck on top of the staple tray, bend the drag roller shaft [A] in the direction of the arrow [B] and forcibly rotate the drag roller [C] in the direction of the arrow [D] to retrieve the correct position.

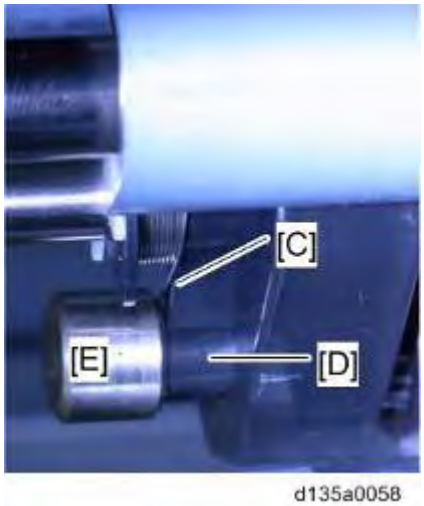
Drag roller - FRONT	Drag roller - REAR
 d135a0054	 d135a0055

Confirm the spring of the drag roller is in position.

Long arm [A] of the spring is in contact with the guide plate [B].

Short arm [C] positions between the drag roller holder [D] and the weight [E].

Drag roller - FRONT	Drag roller - REAR
 d135a0056	 d135a0057

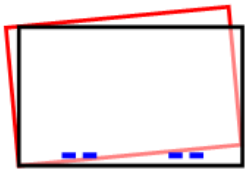
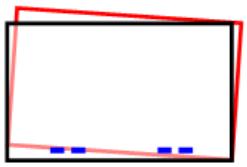
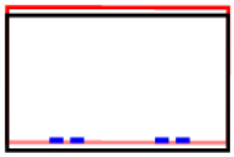
View from a different angle (Drag roller - FRONT)
 d135a0058

5.50.6 1ST SHEET OF STAPLED STACK MISALIGNED

Symptom

In stapling mode, the 1st sheet of a stack is misaligned approximately 3mm to 5 mm. The problem occurs with the following paper sizes if paper is pre-stacked: A4 SEF/LEF,

B5 SEF/LEF, and LT SEF/LEF.

Rear side of 1st sheet misaligned	Front side of 1st sheet misaligned	Parallelly misaligned
 d135a0061	 d135a0062	 d135a0063

Cause

The 1st sheet of the pre-stacked paper bounces off the bottom pawl or does not reach the bottom pawl.

Action

Do either of the following.

SP6-118-(paper size): [CrnrStplrPrstkOffsAdj:2K/3KFIN] SP6-120-(paper size): [CrnStpPosExFeedAmtAdj:2K/3KFIN]

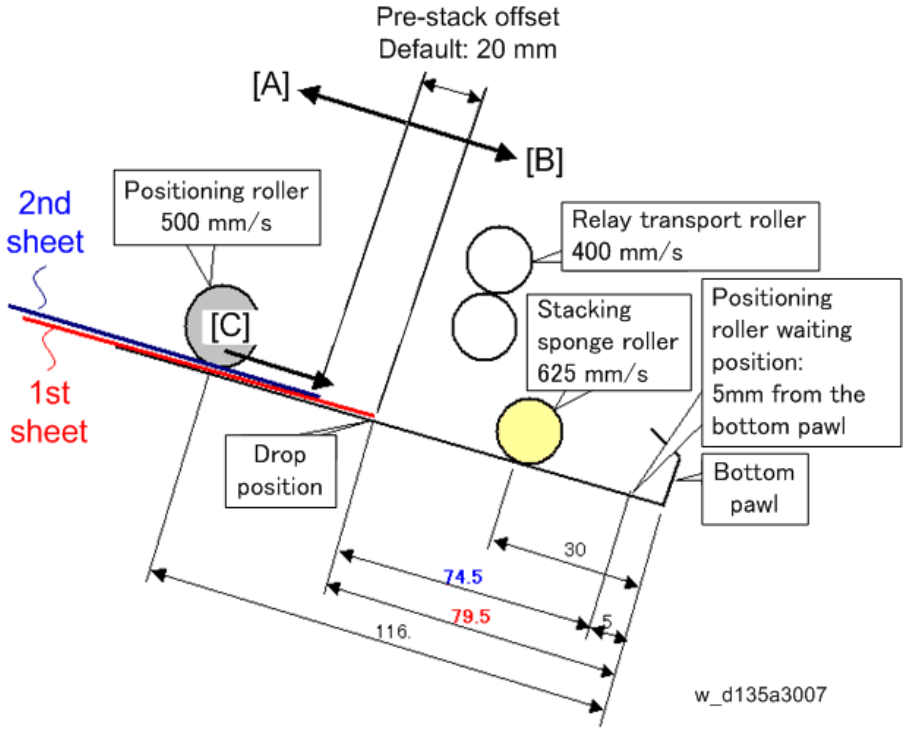
Offset direction

[CrnrStplrPrstkOffsAdj:2K/3KFIN] (range: ±16 mm, step: 2 mm)

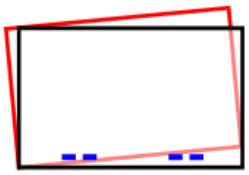
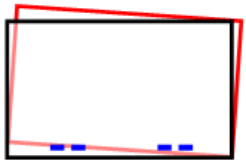
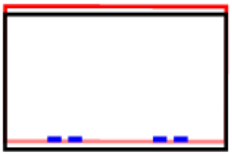
When adjusted in the + direction, pre-stack offset increases n the [A] direction. When adjusted in the - direction, pre-stack offset decreases in the [B] direction.

[CrnStpPosExFeedAmtAdj:2K/3KFIN] (range: 0 to 30 mm, step: 10 mm)

Increasing this value shifts the sheet toward direction [C].



SP adjustment by type of misalignment

	Rear side of the 1st sheet	Front side of the 1st sheet	Misaligned in parallel
Type of misalignment	 d135a0061	 d135a0062	 d135a0063
SP	SP6-118	SP6-118	SP6-120
Adjustment value (estimation)	+10 mm	-10 mm	20 mm

Check after SP adjustment

After modifying the SP value, make 50 sets of 2-sheet booklet stapled horizontally (2 points stapling) and check the alignment accuracy.

If misalignment is observed even after the SP adjustment, make further adjustments in the SP.

5.50.7 SHIFT TRAY STALLS CAUSING PAPER JAM

Symptom

The shift tray [A] unexpectedly stalls at its highest or lowest positions and causes paper jams.

d135a0064

Cause

The shift tray paper feeler [A] is out of position.

d135a0065

Correct	Incorrect
d135a0066	d135a0067

The problem occurs if the Shift Auxiliary Tray [A] included with the finisher is set incorrectly.

In this condition, the feeler gets caught between the auxiliary tray and shift tray when the shift tray moves up and is displaced.

d135a0068

d135a0069

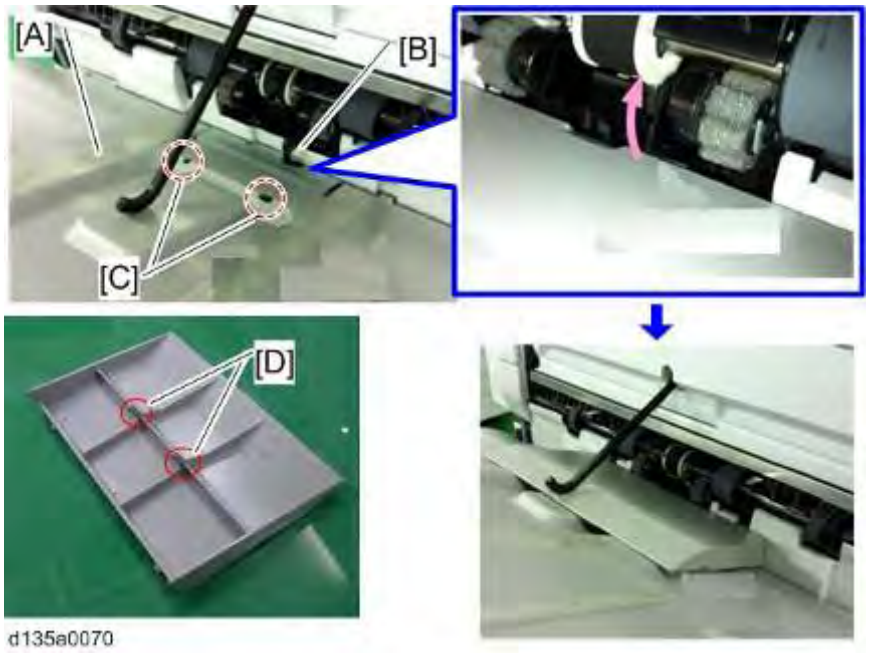
Important

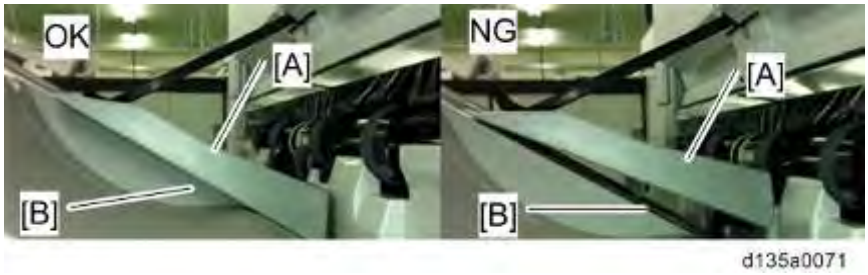
The Shift Auxiliary Tray [A] is to be used only when the configuration consists of the Multi-Folding Unit FD4000. This auxiliary tray increases the stacking capacity of z-folded paper. If the Multi-Folding Unit FD4000 is not installed, do not attach the Shift Auxiliary Tray as it may cause the shift tray to malfunction.

Solution

If the Multi-Folding Unit FD4000 is installed:

Start the finisher initialization process to raise the shift tray [A]. As you lift up and hold the shift tray paper feeler [B] up, insert the two bosses [D] on the back of the Shift Auxiliary Tray to the two holes [C] on the shift tray.



Good	Bad
	
There is no space between the Shift Auxiliary Tray [A] and shift tray [B].	The Shift Auxiliary Tray [A] is positioned above the feeler, creating a space between the Shift Auxiliary Tray and shift tray [B].

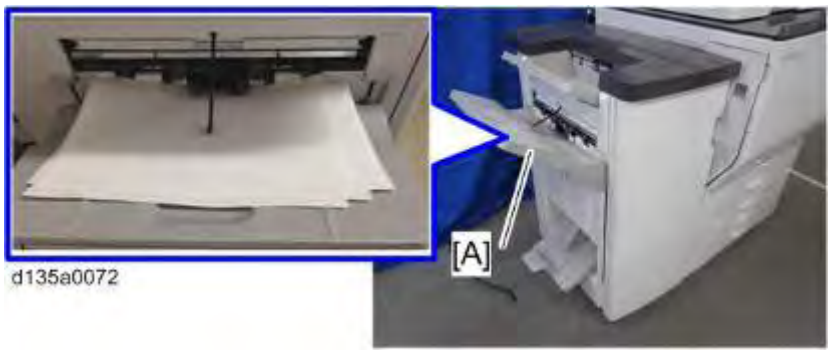
If the Multi-Folding Unit FD4000 is not installed:

Do not use the Shift Auxiliary Tray [A] included with the finisher.

5.50.8 POOR STACKING ON SHIFT TRAY

Symptom

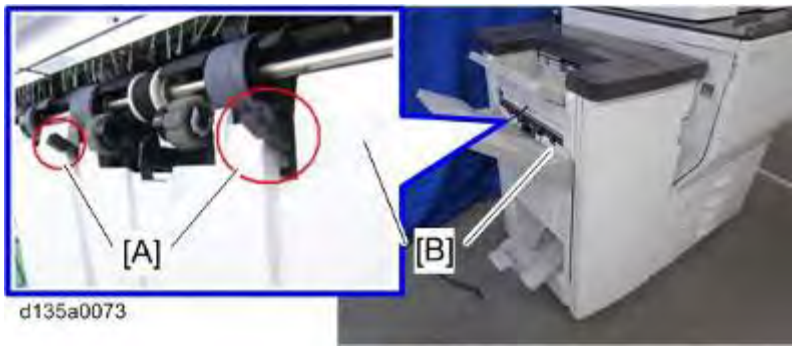
Poor stacking on shift tray [A]



Cause

The paper stacking holders [A] are incorrectly positioned and protruding from the end fence [B], causing the paper to get caught on top of these holders.

Correct position of the paper stacking holders

Incorrect position of the paper stacking holders


Solution

Turn ON the main power of the mainframe or open/close the finisher front door to start the initialization process.

Remove the following parts by referring to the procedures described in the service manual, pages 5 to 13.

Shift tray

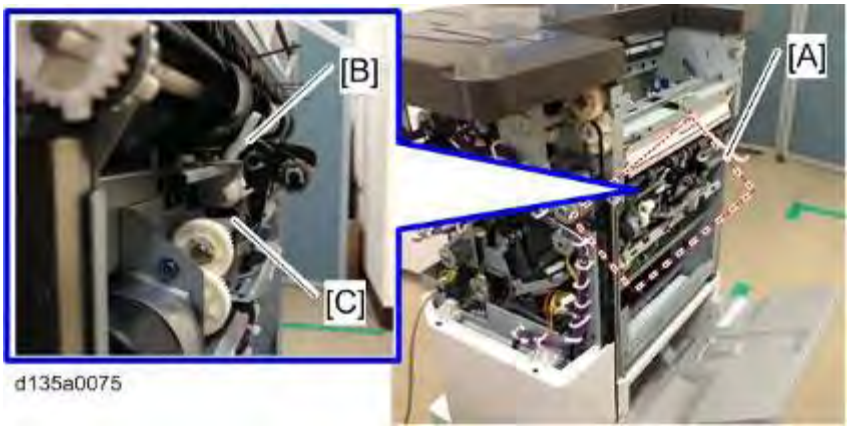
Rear upper cover

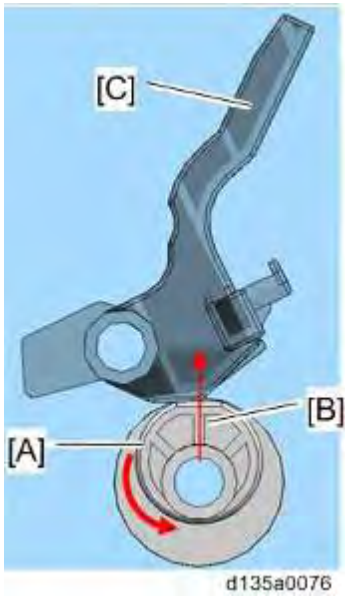
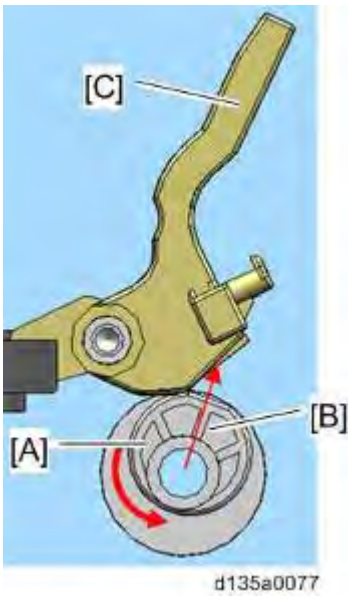
Paper exit cover Left

cover

End fence

Locate the paper stacking holder unit [A], and check if the paper stacking holder [B] is set correctly against the eccentric cam [C].



Correct	Incorrect
The center rib [B] of the eccentric cam [A] is facing straight up and the paper stacking holder [C] is in contact with the flat surface of the eccentric cam [A]. 	The center rib [B] of the eccentric cam [A] is slanted and the paper stacking holder [C] is not in contact with the flat surface of the eccentric cam [A]. 

If the paper stacking holder is positioned incorrectly, replace the paper stacking holder unit [A] with a new one (x7). See field service manual for the procedure.

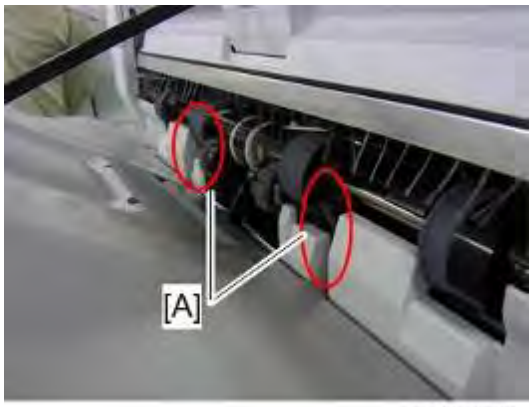
P/N of the paper stack holder unit: D7033700

Check after replacing the paper stack holder unit

After replacing the paper stacking holder unit, confirm proper operation of the paper stacking holder as described below.

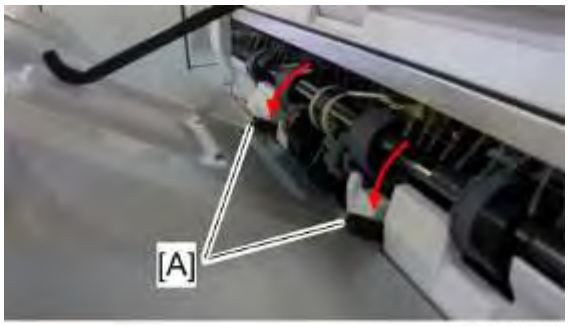
Job: A4/LT LEF, shift sort, 1 original x 10 copies

Before the job starts, the paper stacking holders [A] are at home position and are not protruding from the end fence.



d135a0079

When the job starts, the paper stacking holders [A] move down to the holding position.



d135a0080

Immediately after the leading edge of the first sheet of the job passes through the exit, the paper stacking holders [A] retract and stay at home position until the job completes.

d135a0081

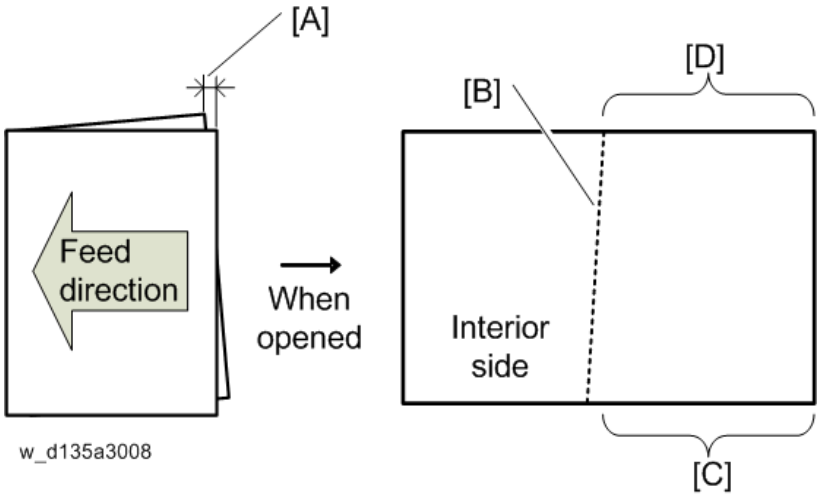
The initialization process is run after the job completes, in which the paper stacking holders [A] move down to the holding position, and then, return to home position.

d135a0082

5.50.9 HOW TO IMPROVE CENTER-FOLDING ACCURACY (SR4100)

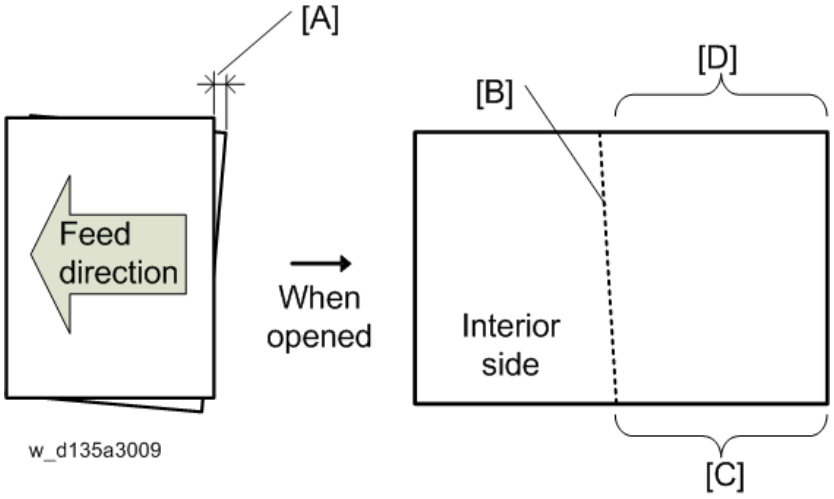
Symptom 1

When sheets are center-folded, the fold line [B] is slanted, causing the front side [C] to be longer than the rear side [D], resulting in a misalignment [A].



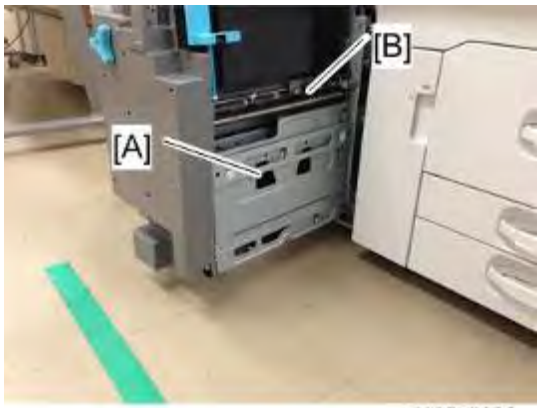
Symptom 2

When sheets are center-folded, the fold line [B] is slanted, causing the front side [C] to be shorter than the rear side [D], resulting in a misalignment [A].



Cause

Incorrect angle between the bottom fence [A] and folding plate [B]



Solution

Pull out the stapling unit [A] and remove the black thumbscrew [B], which fixes the bottom fence.

Turn the bottom fence adjustment screw [A] to adjust the angle between the bottom fence [B] and the folding plate [C].

Important

For Symptom 1, turn the bottom fence adjustment screw [A] clockwise [D] to incline the bottom fence [B] in the [F] direction.

For Symptom 2, turn the bottom fence adjustment screw [A] counterclockwise [E] to decline the bottom fence [B] in the [G] direction.

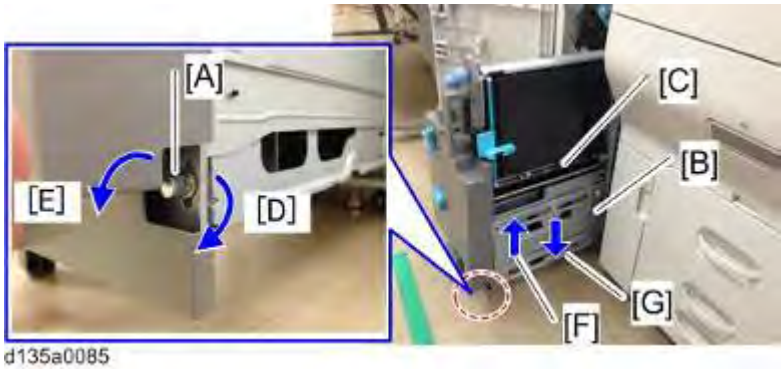
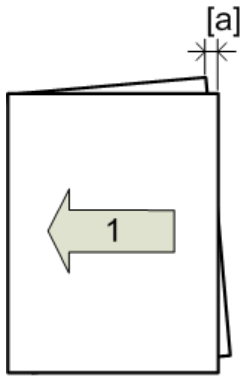
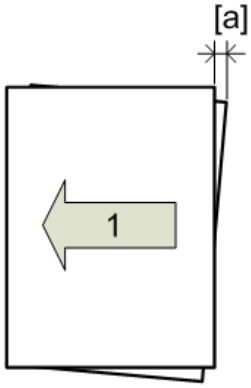


Table: Adjustment value [a] per 1 revolution of the bottom fence adjustment screw

Symptom 1	Symptom 2
 d135a3010 1: Feed direction	 d135a3011 1: Feed direction

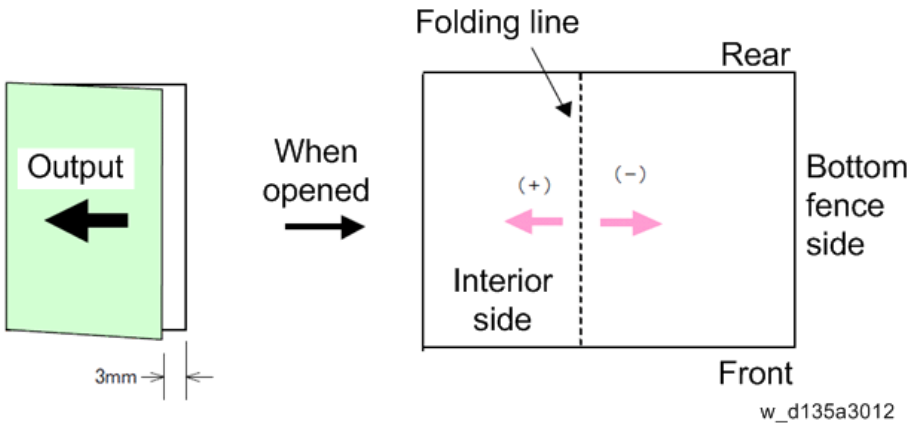
Paper size	Clockwise	Counterclockwise
B5	0.56 mm	0.55 mm
A4	0.64 mm	0.64 mm
B4	0.79 mm	0.78 mm
A3	0.91 mm	0.90 mm

Put back the black thumbscrew [B] removed in step 1 to the adjustment screw hole (long hole) [A].

d135a0086

If the adjustment up to this point has caused the folding position to shift to either left or right, make corrections in SP6-113 ([BookletFolderPosAdj:2K/3K FIN]).

Example: If the folding line appears as in below with a misalignment gap of 3mm, shift the folding line "-1.5mm" in the (-) direction.



5.50.10 SP SETTINGS FOR ADJUSTING SHIFT TRAY JOGGER/CORNER STAPLING/BOOKLET STAPLING

Note

See "System Maintenance 2" for paper size and orientation for each of the available adjustments summarized in the following table.

	SP #	Description	Range	Step	Adjustment
Shift tray jogger	6104	ShiftTrayJogPosAdj:2K/3K FIN (Shift Tray Jogger Position Adjustment)	±1.5 mm	0.5 mm	+ to widen - to narrow the jogging movement in main scan direction
	6105	ShftTJogRtrctAngAdj:2K/3K FIN (Shift Tray Jogger Retract Angle Adjustment)	±10 degrees	5 degrees	+ to raise - to lower the direction in which the jogger retracts

Troubleshooting

	SP #	Description	Range	Step	Adjustment
Corner stapling	6107	JogPosAdj(CrnrStplr):2K/3K FIN (Corner Stapler Jogger Position Adjustment)	±1.5 mm	0.5 mm	+ to widen - to narrow the jogging movement in main scan direction
	6109	CrnrStplrJogTimeAdj:2K/3K FIN (Corner Stapler Jogging Time Adjustment)	0 to 2 times	1 time	Specifies the number of jogging operation
	6111	Staple Position Adj: 2K/3K FIN (Staple Position Adjustment)	±3.5 mm	0.5 mm	+ to move stapling position to the front (operator side) - to move stapling position to the rear (non-operator side)
	6116	CrnrStplrMxPrstkShAdj:2K/3KFIN (Corner Stapler Maximum Pre-Stack Sheets Adjustment)	-1 to 0 sheets	1 sheet	Specifies the number of pre-stacked sheets
	6118	CrnrStplrPrstkOffsAdj:2K/3KFIN (Corner Stapler Pre-Stack Offset Adjustment)	±16 mm	2 mm	+ to increase - to decrease the amount of offset in sub scan direction

	SP #	Description	Range	Step	Adjustment
	6120	CrnStpPosExFeedAmtAdj:2K/3KFIN (Corner Stapler Positioning Roller Excess Feed Amount Adjustment)	0 to 30 mm	10 mm	Increases the distance the sheets are transported by the positioning roller
Booklet stapling	6110	BookStplrJogTimeAdj:2K/3K FIN (Booklet Stapler Jogging Time Adjustment)	0 to 2 times	1 time	Specifies the number of jogging operation.
	6112	BookletStaplerPosAdj:2K/3K FIN (Booklet Stapler Staple Position Adjustment)	±3 mm	0.2 mm	+ to move the stapling position toward the LE - to move the stapling position toward the TE
	6113	BookletFolderPosAdj:2K/3K FIN (Booklet Folder Folding Position Adjustment)	±3 mm	0.2 mm	+ to move the saddle-stitching position toward the LE - to move the saddle-stitching position toward the TE

	SP #	Description	Range	Step	Adjustment
	6117	BookStplrMxPrstkShAdj:2K/3KFIN (Booklet Stapler Maximum Pre-Stack Sheets Adjustment)	-7 to 0 sheets	1 sheet	Specifies the number of pre-stacked sheets. (Note that -3, -4, -5,--6, -7 will all result in “0”, i.e., no pre-stacking.)
	6119	BookStplrPrstkOffsAdj:2K/3KFIN (Booklet Stapler Pre-Stack Offset Adjustment)	±30 mm	2 mm	+ to increase - to decrease the amount of offset between each pre-stacked sheet
	6122	BkFoldJogSolMovAmtAdj:2K/3KFIN (Booklet Folder Jogger Stack Junction Gate Move Amount Adjustment)	±5 mm	1 mm	+ to move up - to move down the stack junction gate in the booklet staple path

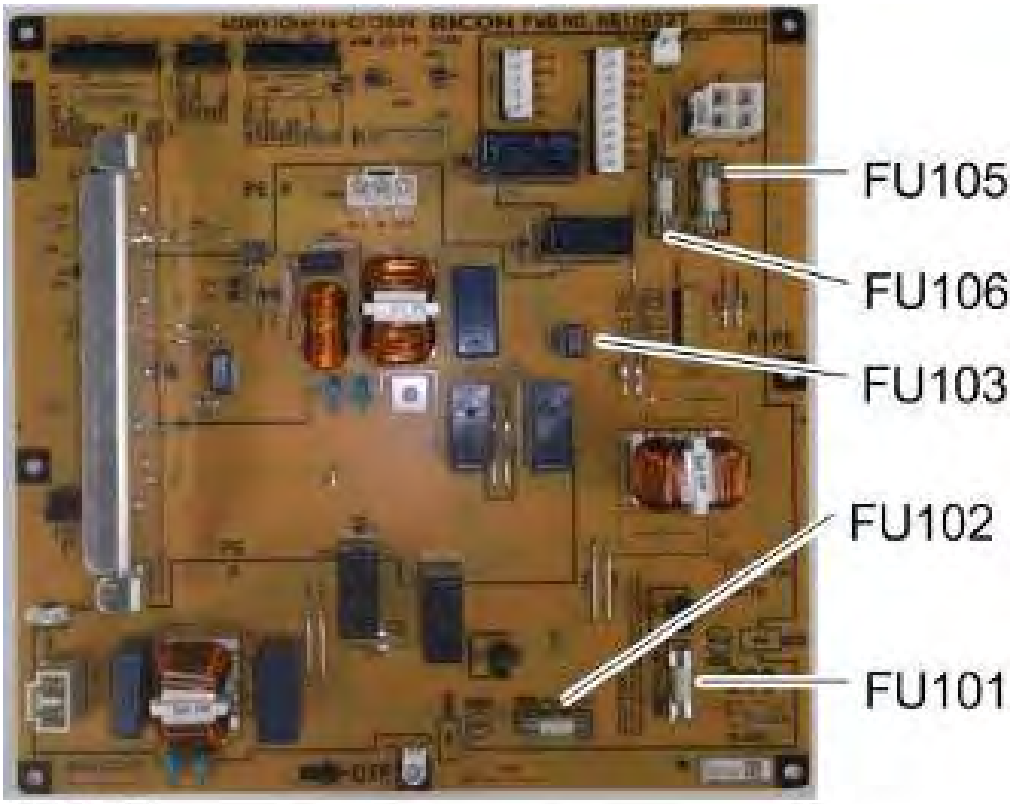
5.51 BLOWN FUSE CONDITIONS

5.51.1 IDB (D1365492)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071259	24V	LEDB	Replace the FFC/LEDB/IDB

5.51.2 AC CONTROL BOARD (D0165460)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU101	11071252	AC	Fusing Lanp Tray Heater Scanner Heater Switch of heater PSU1 / PSU2	Replace AC board or harnesses
FU102	11071350	AC	Potential Sensor Board	Replace AC board or harnesses
FU103	11071225	AC	Tray Heater Scanner Heater	Replace AC board or harnesses
FU105	[100V] 11071347 [200V] 11071344	AC	PSU1	Replace AC board or harnesses
FU106	[100V] 11071347 [200V] 11071344	AC	PSU2	Replace AC board or harnesses



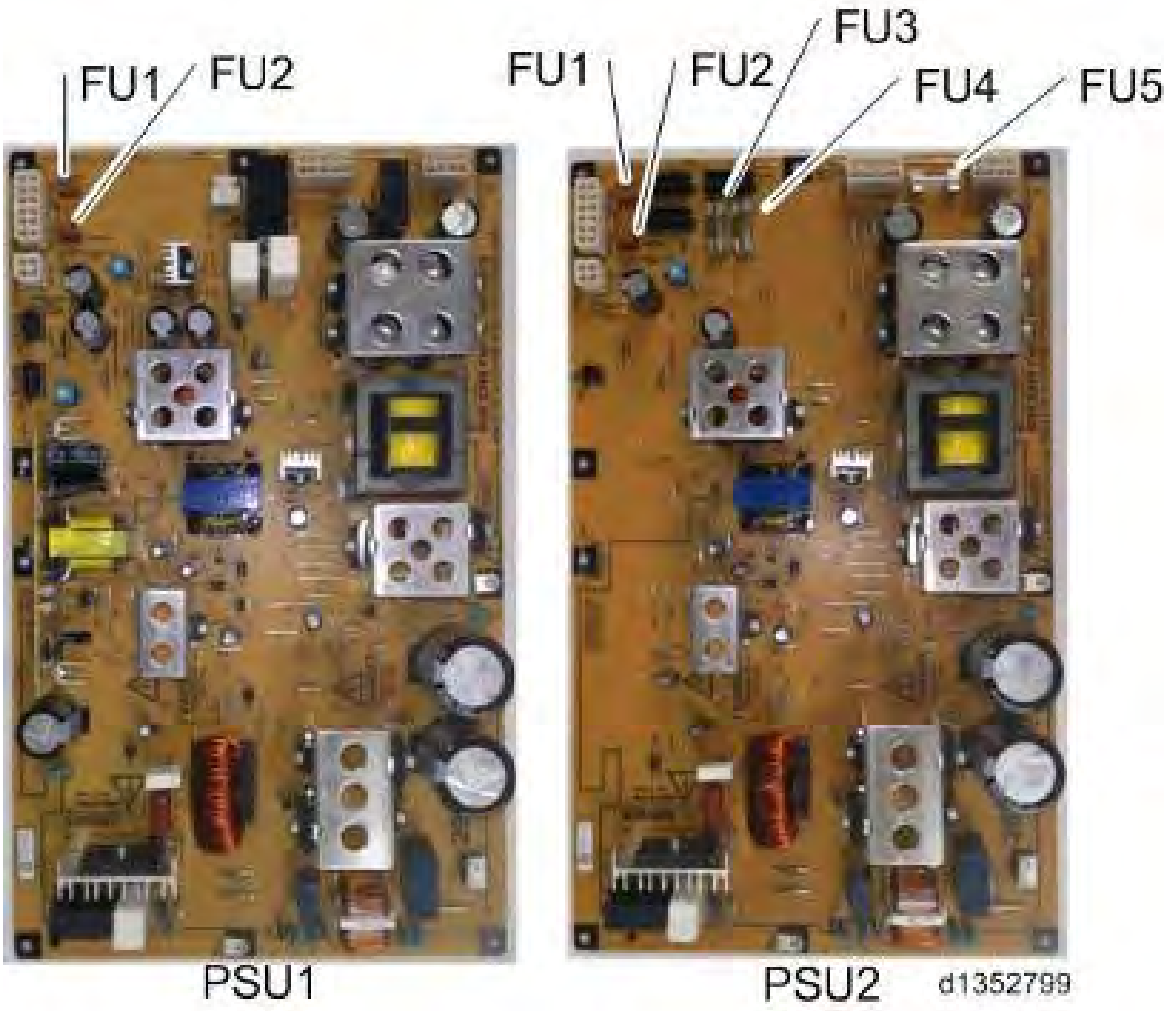
d1352798

5.51.3 PSU1 (AZ240226)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071351	5V	Nothing	Replace PSU or Harnesses
FU2	11071351	5V	Nothing	Replace PSU or Harnesses

5.51.4 PSU2 (AX240230)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071351	24V	IPU IOB Decurl Unit	Replace PSU or Harnesses
FU2	11071351	24V	DUB TDRB TSB	Replace PSU or Harnesses
FU3	11071216	24V	ADF LCT	Replace PSU or Harnesses
FU4	11071216	24V	Finisher	Replace PSU or Harnesses
FU5	11071216	24V	SIO Decurl Unit	Replace PSU or Harnesses


FU1
FU2
PSU1
FU1
FU2
FU3
FU4
FU5
PSU2
d1352799

5.51.5 DUB (D1365121)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071213	24VS	**- Motors -** Duplex Transport Motor Duplex Exit Motor Exit Inverter Motor Duplex inverter entrance motor Exit Motor Registration motor - STM - Roller Shift Motor 1,2 Senser Shift Motor Duplex inverter entrance motor Cleaning Web Drive Motor Cleaning Web Contact Motor - **Fans -** PTB Fans IH Coil Cooling Fan Fusing Heat Pipe Cooling Fan Fusing Pressure Roller Intake Fan - Solenoids - Inverter Exit SOL Duplex SOL - Boards - FDB-D	Replace DUB or harnesses.

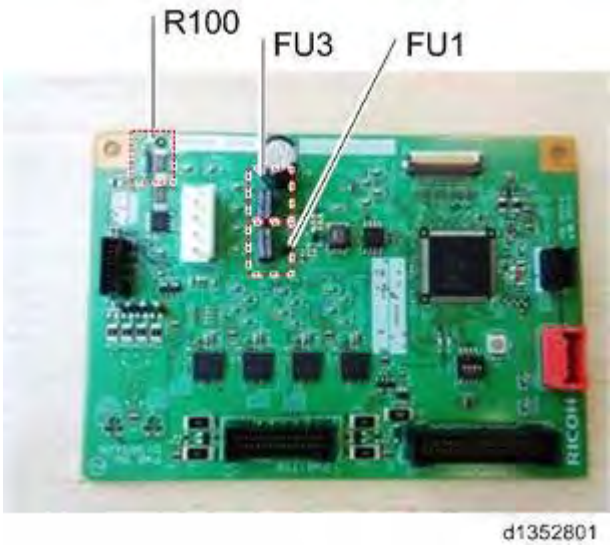
FU1
d1352800

5.51.6 POTENTIAL SENSOR BOARD (D1365450 [100V], D1365455 [200V])

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071229	250V	Potential Sensor Board	Replace Potential sensor board

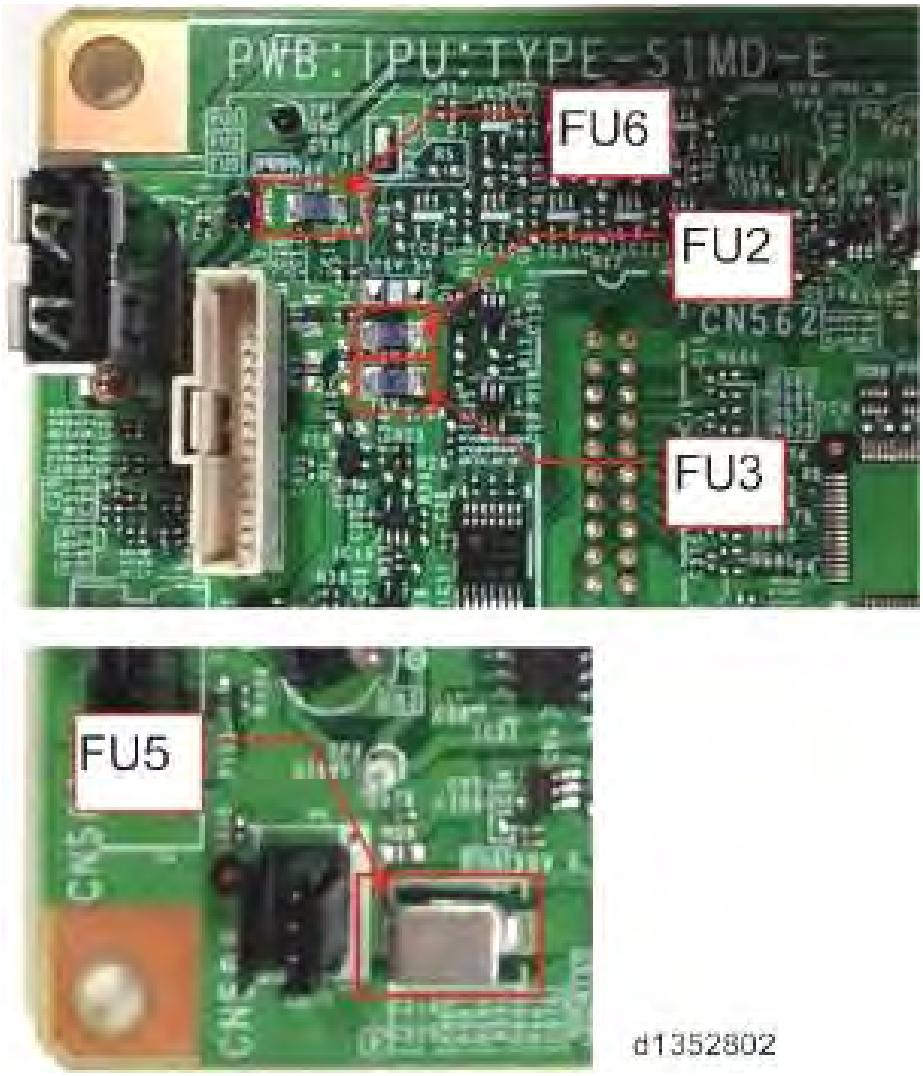
5.51.7 TSB (D1365425)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071229	24V	Toner Feed Motor (Y/M/C/K) Development Intake Fan (Y/M/C/K) ITB Cleaning Intake Fan	Replace TSB or harnesses
FU3	11071228	24VS_TSB	Toner Cartridge Drive Motor (Y/M/C/K)	Replace TSB or harnesses
R100	16002100	24VS_TSB	Toner Cartridge Drive Motor (Y/M/C/K)	Replace TSB or harnesses



5.51.8 IPU (D1365724)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU2	11071302	5VX	Operation Panel	Replace the IPU
FU3	11071127	5VX	IOB, SIO, PEACE	
FU6	11071118	5VX	USB	
FU5	11090016	24V	Operator Call Light	Power OFF/ON



5.51.9 IOB (D1385110)

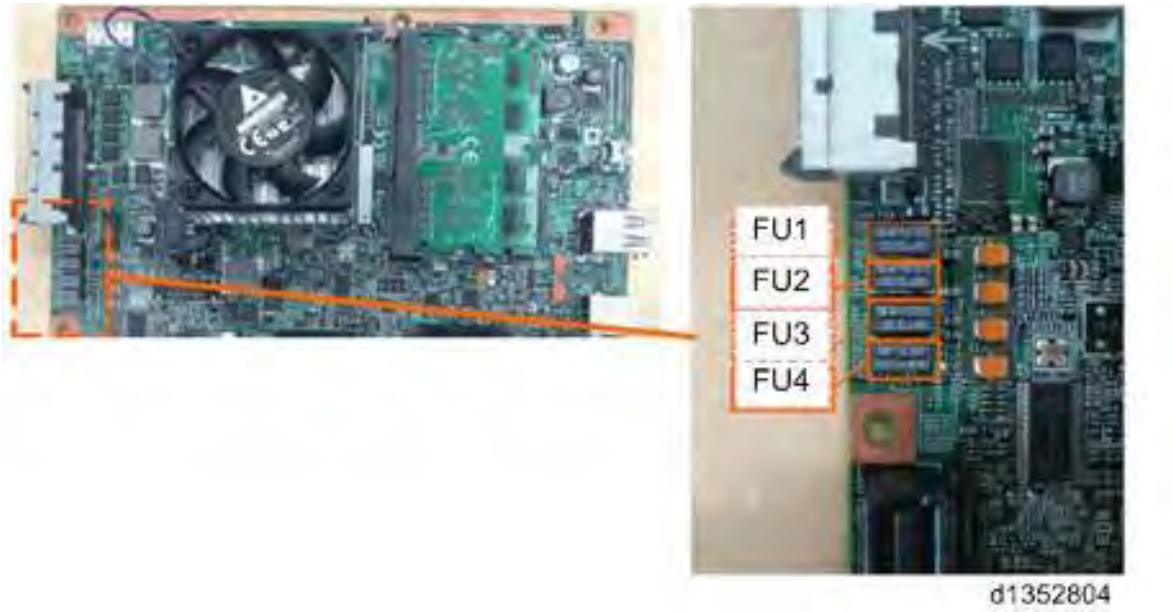
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11071110	+24VS5	Drum Motor (Y/M/C/K) PTR Motor ITB Lift (YMC) Motor Voltage Sensor High-Voltage Power Supply Developer Bias Power Supply AC Transfer Power Supply ITB Power Supply PTR Power Supply	Replace the PCB
FU2	11071229	+24VS5	Fusing Pressure Roller Exhaust Fan Duplex Exhaust Fan (Front/Middle/Rear) Fusing Drive Motor Hot Roller Release Motor Fusing Belt Smoothing Drive Motor Fusing Belt Smoothing Release Motor	Replace the PCB
FU3	11071110	+24V6	Skew Motor Y/M/C Shutter Motor Laser Unit Cooling Fan(Left and Right) Controller Exhaust Fan ID Sensor Cleaning Fan PCL (Y/M/C/K) Development Motor (Y/M/C/K)	Replace the PCB

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU4	11071110	+24V6	Drum CleaningMotor (Y/M/C/K) Weste Toner Bottle Motor Heat Pipe Panel Intake Fan Heat Pipe Panel Exhaust Fan PTR Fusing Exhaust Fan Development Exhaust Fan / Right, Left Ozone Exhaust Fan Fusing Exit Exhaust Fan Drive Exhaust Fan PSU Fun	Replace the PCB
FU5	11090007	+5V_PTC	HST Sensor (Y/M/C/K) Toner cartridge ID Chip (Y/M/C/K) Fusing ID Chip (Y/M/C/K)	Replace the PCB
FU6	11071107	+24VS5	Drum Motor:Y	Replace the PCB
FU7	11071107	+24VS5	Drum Motor:M	Replace the PCB
FU8	11071107	+24VS5	Drum Motor:C	Replace the PCB
FU9	11071107	+24VS5	Drum Motor:K	Replace the PCB
FU10	11071107	+24VS5	PTR Motor	Replace the PCB

FU6
FU9
FU8
FU7
FU6
FU10
FU3
FU1
FU4
FU5
FU2
2013/ 3/ 7 10:51
d1352803

5.51.10 CONTROLLER (D1365700/D1365705)

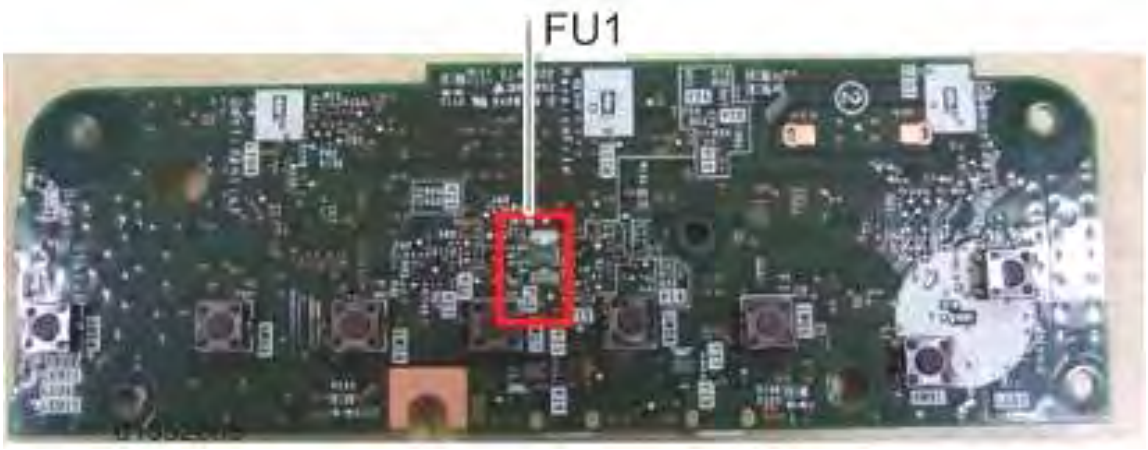
FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1 FU2 FU3 FU4	11071229	5VX	USB Bluetooth IC Card SD Card CPU FAN Case FAN RiO3 Option PCIe Option LAN USB Device	Replace the CTL



5.51.11 OPERATION PANEL

Pro OP-R (D1387395)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11090049	3.3V	SDCard I/F	Replace Pro OP-R



Office OP-L (D1491478)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU2	11090049	3.3V	SDCardI/F	Replace Office OP-L

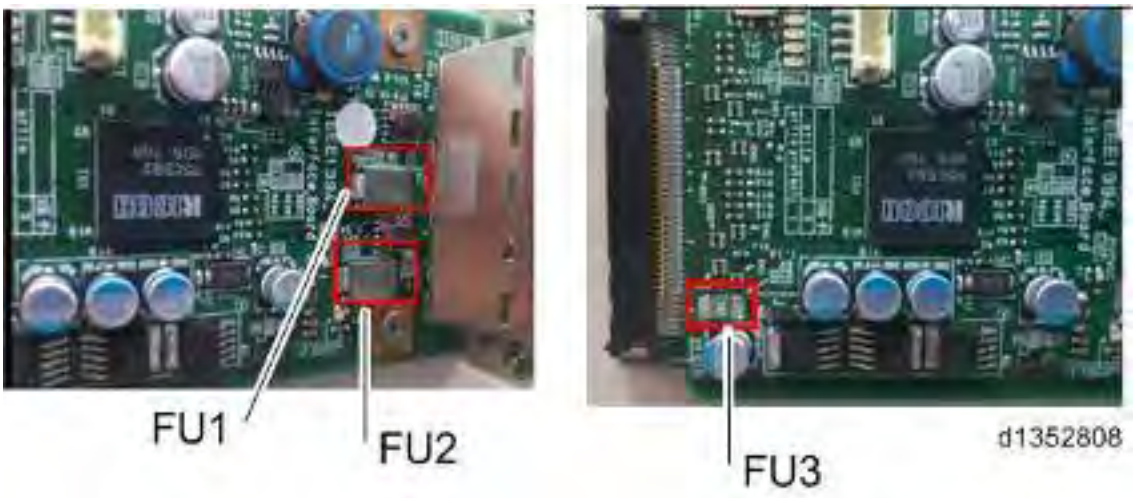
5.51.12 OPTION BOARDS

IEEE1284 (B5955710)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11090044	5VEP	IEEE1284	Replace IEEE1284B oard
FU2	11090007	3.3VEP	IEEE1284	Replace IEEE1284 Board

Copy connector (B5815710)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1 FU2	11090020	BUSOUTPUT 12VEP	Connector Hub inner of connector board	Replace the board
FU3	11090007	5VEP	Connector Hub inner of connector board	Replace the board

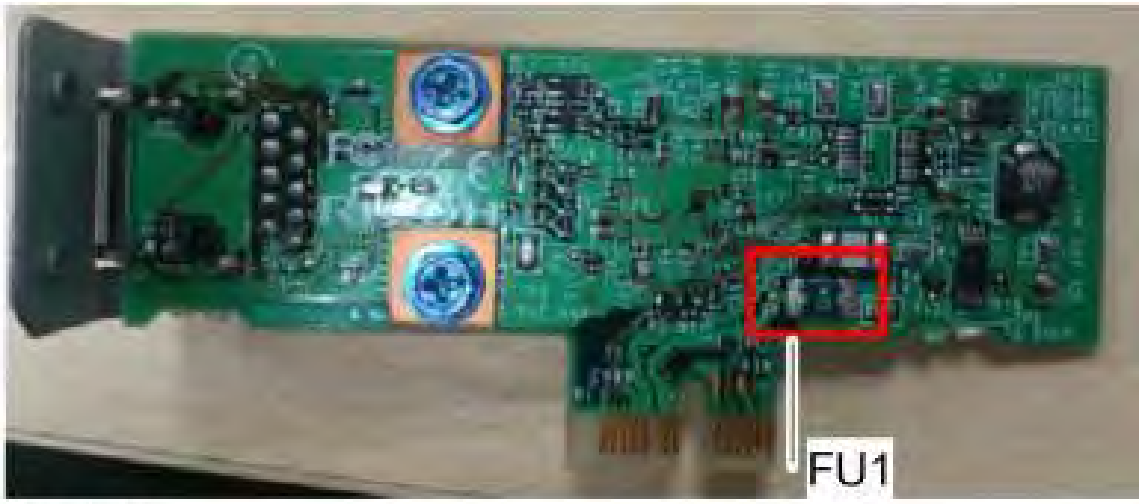


Wireless Lan: 11n (D1645230)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11090042	3.3VEP	Inner of W-LAN	Replace the W-LAN

Giga-Ethenet Board (D7306036)

FUSE	Fuse part number	Output	Reason for Overcurrent	Action
FU1	11090044	3.3VE	Inner of PCIe-Gig	Replace the board



ENERGY SAVING

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

6. ENERGY SAVING

6.1 ENERGY SAVING

6.1.1 ENERGY SAVE

If the Energy Saver button is pressed during machine operation

Previous models:

The job in progress is cancelled and the machine switches to Energy Saver mode immediately.

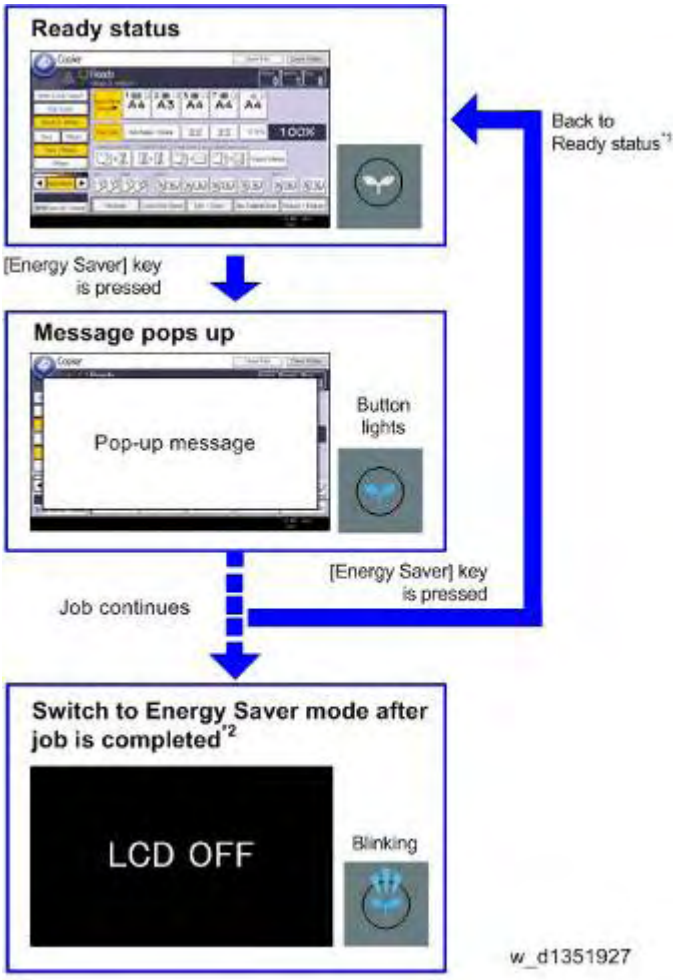
This model:

The following sequence is followed.

1. The [Energy Saver] key lights up and a pop-up message is displayed informing the user that the machine will switch to Energy Saver mode as soon as the current job is completed. The job continues until the end.
2. When the job has been completed, the machine enters Energy Saver mode.

Note

- If the [Energy Saver] key is pressed again during the job, the machine returns to the Ready condition.



*1: The machine return to ready status by doing one of the following,

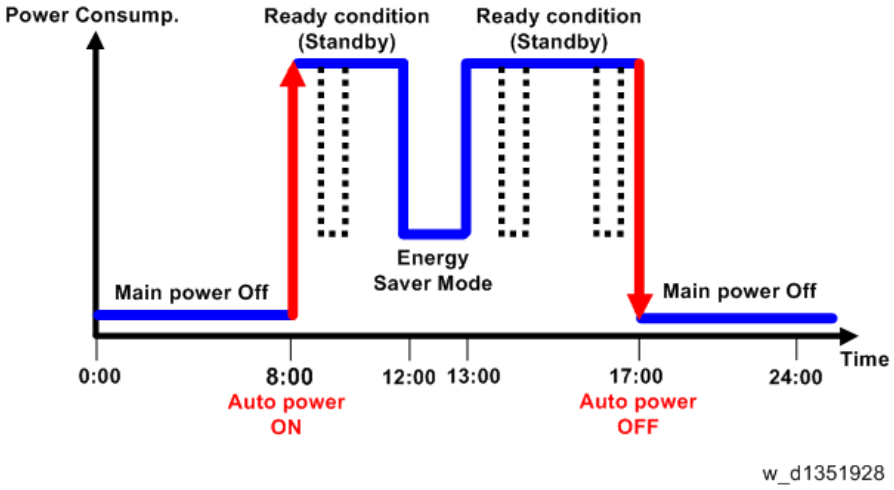
- Press the [Energy Saver] key
- Open the platen cover
- Set an original in the ADF

*2: Recovering from the Energy Saver mode is the same. Do one of the following.

- Press the [Energy Saver] key
- Open the platen cover
- Set an original in the ADF

6.1.2 ENERGY SAVER TIMER

- With this timer, the user can choose when the machine will automatically enter and recover from Energy Saver mode, as well as when it will turn on and off. The user does not need to worry about turning the machine on or off in the morning, during lunchtime, or when leaving the office. As a result, the machine contributes to overall energy saving in the user's office environment, while at the same time helping to improve work efficiency.
- The user is able to control how far the machine will power down, i.e. only to Energy Saver mode or all the way off.
- With auto power ON and OFF, the user need not remember to turn the machine on and off every day.
  - Auto power ON:
    Improves work efficiency, as machine warm-up is already completed by the time the user is ready to begin work (the user is not made to wait).
  - Auto power OFF:
    Prevents unnecessary power consumption during after-work hours, saving power.



- The user can disable the Weekly Timer, so that the machine power is not turned on automatically during extended periods of inactivity (Ex. Summer holiday).
- A password can be set so that the machine can be used during this period if necessary, but only by the select group who know this password.

Note

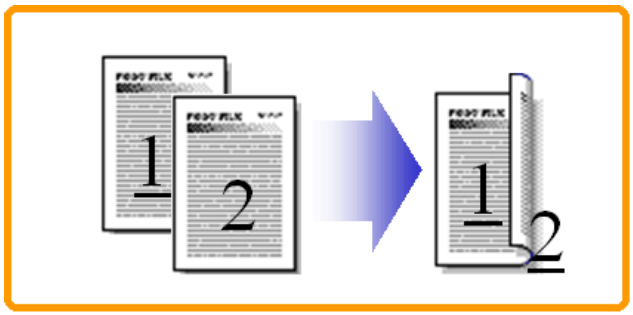
- You can set the energy saver timer setting on "Weekly Timer" in "Timer Settings" menu under "System Settings".

6.2 PAPER SAVE

6.2.1 EFFECTIVENESS OF DUPLEX/COMBINE FUNCTION

Duplexing and the combine functions reduce the amount of paper used. This means that less energy overall is used for paper production, which improves the environment.

1. Duplex:



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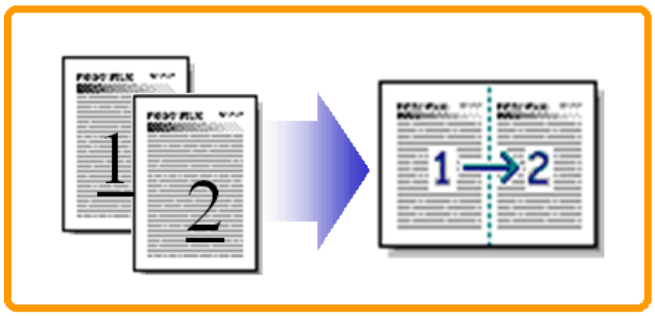
Reduce paper volume in half!

2. Combine mode:



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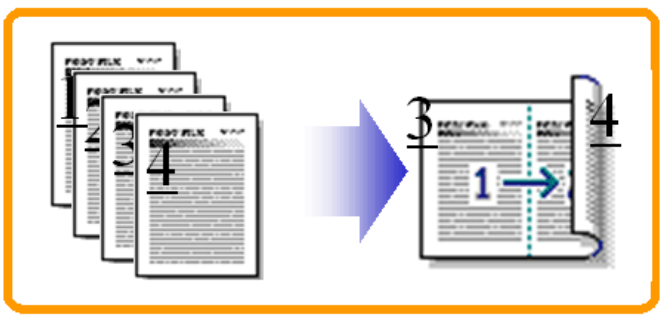
Reduce paper volume in half!

3. Duplex + Combine:



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Using both features together can further reduce paper volume by 3/4!

To check the paper consumption, look at the total counter and the duplex counter.

The total counter counts all pages printed.

- For one duplex page, the total counter goes up by 2.

- For a duplex job of a three-page original, the total counter goes up by 3.
- The duplex counter counts pages that have images on both sides.
- For one duplex page, the duplex counter goes up by 1.
- For a duplex job of a three-page original, the duplex counter will only increase by 1, even though two sheets are used.

Paper Savings and Counter

- Total counter: SP 8581-001
- Duplex counter: SP 8411-001
- Single-sided with combine mode: SP 8421-004
- Duplex with combine mode: SP 8421-005

The following table shows paper savings and how the counters increase for some simple examples of single-sided and duplex jobs.

Duplex mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	**0**	1	0
2	2	1	**1**	2	1
3	3	2	**1**	3	1
4	4	2	**2**	4	2
5	5	3	**2**	5	2
10	10	5	**5**	10	5
20	20	10	**10**	20	10

If combine mode is used, the total and duplex counters work in the same way as explained previously. The following table shows paper savings and how the counters increase for some simple examples of duplex/combine jobs.

2 in 1 mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	**0**	1	1
2	2	1	**1**	1	1
3	3	2	**1**	2	2
4	4	2	**2**	2	2
5	5	3	**2**	3	2
10	10	5	**5**	5	5
20	20	10	**10**	10	10

Duplex + 2 in 1 mode:

Originals	Simplex Sheet used	Duplex Sheets used	Paper Saved	Total counter SP8501-001	Duplex counter SP8411-001
1	1	1	**0**	1	1
2	2	1	**1**	1	1
3	3	1	**2**	2	2
4	4	1	**3**	2	2
5	5	2	**3**	3	3
6	6	2	**4**	3	3
7	7	2	**5**	4	4
8	8	2	**6**	4	4
9	9	3	**6**	5	5
10	10	3	**7**	5	5
11	11	3	**8**	6	6
12	12	3	**9**	6	6

D135/D136/D137/D138
SERVICE MANUAL
SYSTEM MAINTENANCE 1 SECTION

D135/D136/D137/D138
SYSTEM MAINTENANCE 1

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SERVICE PROGRAM MODE

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

1. SERVICE PROGRAM MODE

1.1 ENABLING AND DISABLING SERVICE PROGRAM MODE

⚠CAUTION

- Make sure that the data-in LED (⇦) is not on before you go into the SP mode. This LED indicates that some data is coming to the machine. When the LED is on, wait for the copier to process the data.

Note

- The Service Program Mode is for use by service representatives only. If this mode is used by anyone other than service representatives for any reason, data might be deleted or settings might be changed. In such case, product quality cannot be guaranteed any more.

1.1.1 ENTERING SP MODE

For details, ask your supervisor.

1.1.2 EXITING SP MODE

- Press "Exit" on the LCD twice to return to the copy window.

1.2 TYPES OF SP MODES

- System SP: SP modes related to the engine functions
- Printer SP: SP modes related to the controller functions
- Scanner SP: SP modes related to the scanner functions
- Fax SP: SP modes related to the fax functions

Select one of the Service Program modes (System, Printer, Scanner, or Fax) from the touch panel as shown in the diagram below after you access the SP mode. This section explains the functions of the System/Printer/Scanner SP modes. Refer to the Fax service manual for the Fax SP modes.

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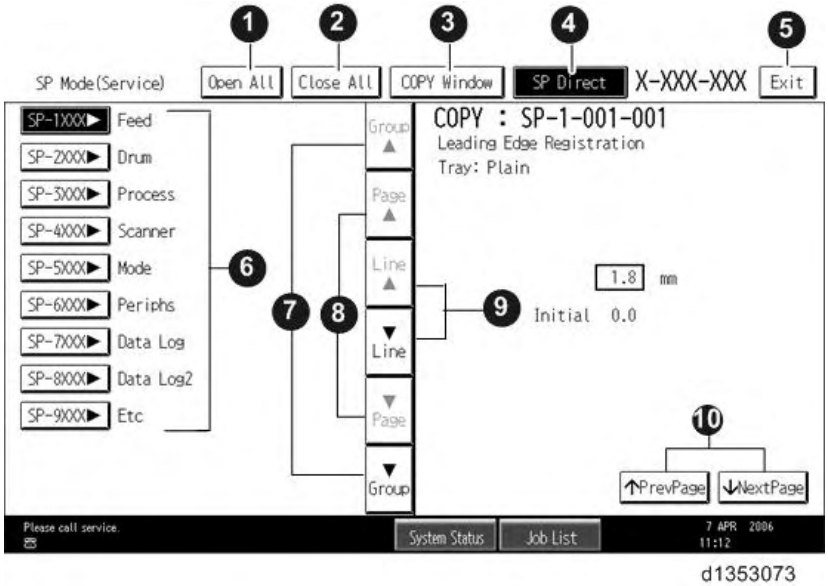
1.2.1 SP MODE BUTTON SUMMARY

Here is a short summary of the touch-panel buttons.



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1	Opens all SP groups and sublevels.
2	Closes all open groups and sublevels and restores the initial SP mode display.
3	Opens the copy window (copy mode) so you can make test copies. Press SP Mode (highlighted) in the copy window to return to the SP mode screen,
4	Enter the SP code directly with the number keys if you know the SP number. Then press #. (The required SP Mode number will be highlighted when pressing #. If not, just press the required SP Mode number.)
5	Press two times to leave the SP mode and return to the copy window to resume normal operation.
6	Press any Class 1 number to open a list of Class 2 SP modes.
7	Press to scroll the show to the previous or next group.
8	Press to scroll to the previous or next display in segments the size of the screen display (page).
9	Press to scroll the show the previous or next line (line by line).
10	Press to move the highlight on the left to the previous or next selection in the list.

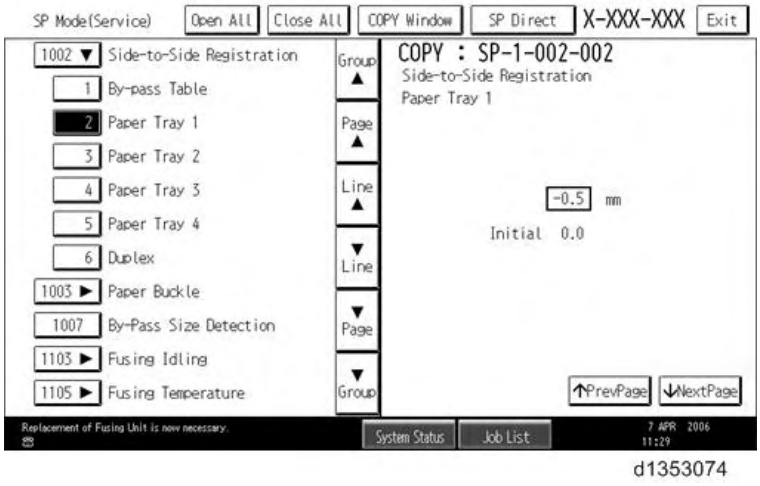
1.2.2 SWITCHING BETWEEN SP MODE AND COPY MODE FOR TEST PRINTING

1. In the SP mode, select the test print. Then press "Copy Window".
2. Use the copy window (copier mode), to select the appropriate settings (paper size, etc.) for the test print.
3. Press Start ◇ to start the test print.
4. Press SP Mode (highlighted) to return to the SP mode screen and repeat from step 1.

1.2.3 SELECTING THE PROGRAM NUMBER

Program numbers have two or three levels.

1. Refer to the Service Tables to find the SP that you want to adjust before you begin.
2. Press the Group number on the left side SP Mode window that contains the SP that you want to adjust.
3. Use the scrolling buttons in the center of the SP mode window to show the SP number that you want to open. Then press that number to expand the list.
4. Use the center touch-panel buttons to scroll to the number and title of the item that you want to set and press it. The small entry box on the right activates and shows the below default or the current settings.



d1353074

Note

- Refer to the Service Tables for the range of allowed settings.

5. Do this procedure to enter a setting:
   - Press ⊙ to toggle between plus and minus and use the keypad to enter the appropriate number. The number you enter writes over the previous setting.
   - Press # to enter the setting. (The value is not registered if you enter a number that is out of range.)
   - Press "Yes" when you are prompted to complete the selection.
6. If you need to perform a test print, press Copy Window to open the copy window and select the settings for the test print. Press Start ◉ and then press SP Mode (highlighted) in the copy window to return to the SP mode display.
7. Press Exit two times to return to the copy window when you are finished.

1.2.4 EXITING SERVICE MODE

Press the Exit key on the touch-panel.

1.2.5 SERVICE MODE LOCK/UNLOCK

At locations where the machine contains sensitive data, the customer engineer cannot operate the machine until the Administrator turns the service mode lock off. This function makes sure that work on the machine is always done with the permission of the Administrator.

1. If you cannot go into the SP mode, ask the Administrator to log in with the User Tool and then set "Service Mode Lock" to OFF after he or she logs in:
   User Tools > System Settings > Administrator Tools > Service Mode Lock > OFF
   - This unlocks the machine and lets you get access to all the SP codes.
   - The CE can service the machine and turn the machine off and on. It is not necessary to ask the Administrator to log in again each time the machine is turned on.
2. Go into the SP mode and set SP5-169 to "1" if you must use the printer bit switches.
3. After machine servicing is completed:
   - Change SP5169 from "1" to "0".
   - Turn the machine off and on. Tell the administrator that you have completed servicing the machine.
   - The Administrator will then set the "Service Mode Lock" to ON.

1.3 REMARKS

1.3.1 DISPLAY ON THE CONTROL PANEL SCREEN

The maximum number of characters which can show on the control panel screen is limited to 30 characters. For this reason, some of the SP modes shown on the screen need to be abbreviated. The following are abbreviations used for the SP modes for which the full description is over 20 characters.

<table>
<tr><td colspan="2">Paper Weight (D137/D138)
Thick Paper 1: 52.3-65.9 g/m2, 14.0-17.9lb.
Thick Paper 2: 66-80.9 g/m2, 18.0-21.9lb.
Thick Paper 3: 81-100.9 g/m2, 22.0-27.0lb.
Thick Paper 4: 101-127.4 g/m2, 27.1-34.0lb.
Thick Paper 5: 127.5-150 g/m2, 34.1-40.0lb.
Thick Paper 6: 150.1-216 g/m2, 40.1-57.9lb.
Thick Paper 7: 216.1-256 g/m2, 58.0-68.0lb.
Thick Paper 8: 256.1-300 g/m2, 68.1-80.0lb.</td></tr>
<tr><td colspan="2">Paper Weight (D135/D136)
Thin paper: 52.3-65.9 g/m2, 14.0-17.9lb.
Plain Paper1: 66-80.9 g/m2, 18.0-21.9lb.
Plain Paper2: 81-100.9 g/m2, 22.0-27.0lb.
Middle Thick: 101-127.4 g/m2, 27.1-34.0lb.
Thick Paper 1: 127.5-150 g/m2, 34.1-40.0lb.
Thick Paper 2: 150.1-216 g/m2, 40.1-57.9lb.
Thick Paper 3: 216.1-256 g/m2, 58.0-68.0lb.
Thick Paper 4: 256.1-300 g/m2, 68.1-80.0lb.</td></tr>
<tr><td>Paper Type
N: Normal paper
MTH: Middle thick paper
TH: Thick paper</td><td>Paper Feed Station
P: Paper tray
B: By-pass table</td></tr>
<tr><td colspan="2">Color Mode [Color]
[K]: Black in B&W mode
[Y], [M], or [C]: Yellow, Magenta, or Cyan in Full Color mode
[YMC]: Only for Yellow, Magenta, and Cyan
[FC]: Full Color mode
[FC, K], [FC, Y], [FC, M], or [FC, C]: Black, Yellow, Magenta, or Cyan in full color mode</td></tr>
</table>

Process Speed (D137/D138) L: Low speed /ML: Middle low speed /M: Middle speed /H: High speed (Standard) D137 L: 158.46 mm/s/ M: 246.98 mm/s/ H: 352.8 mm/s D138 L: 158.46 mm/s/ M: 246.98 mm/s/ H: 317.52 mm/s
Process Speed (D135/D136) L: Low speed /ML: Middle low speed /M: Middle speed /H: High speed (Standard) D135 L: 158.46 mm/s /M: 176.4 mm/s /H: 317.52 mm/s D136 L: 158.46 mm/s /ML: 176.4 mm/s /M: 317.52 mm/s /H: 352.8 mm/s
Print Mode S: Simplex D: Duplex

1.3.2 OTHERS

The following symbols are used in the SP mode tables.

FA: Factory setting

(Data may be adjusted from the default setting at the factory. Refer to the factory setting sheets enclosed. You can find it under the jammed paper removal decal.)

DFU: Design/Factory Use only

Do not touch these SP modes in the field.

A sharp (#) to the right hand side of the mode number column means that the main switch must be turned off and on to effect the setting change.

An asterisk (*) to the right hand side of the mode number column means that this mode is stored in the NVRAM. If you do a RAM clear, this SP mode will be reset to the default value. "ENG" and "CTL" show which NVRAM contains the data.

- ENG: NVRAM on the BCU board
- CTL: NVRAM on the controller board

The settings of each SP mode are explained in the right-hand column of the SP table in the following way.

[Adjustable range / **Default setting** / Step] Alphanumeric

Note

- If "Alphanumeric" is written to the right of the bracket as shown above, the setting of the SP mode shows on the screen using alphanumeric characters instead of only numbers. However, the settings in the bracket in the SP mode table are explained by using only the numbers.

SSP: This denotes a "Special Service Program" mode setting.

SERVICE TABLE KEY

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

2. SERVICE TABLE KEY

2.1 SERVICE TABLE KEY

Notation	What it means
[range / default/step]	Example: [-9 to +9 / 0 / 0.1 mm step]. The setting can be adjusted in the range ±9, value reset to +3.0 after an NVRAM reset, and the value can be changed in 0.1 mm steps with each key press.
*	Value stored in NVRAM. After a RAM reset, this default value (factory setting) is restored.
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.
SSP	This denotes a "Special Service Program" mode.
FSP	This denotes a "Factory Service Program" mode.

MAIN SP TABLES-1

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
100	5/15/2014	SP1304 [Dbl-Feed Detect Threshold Adj] (DFU)

3. MAIN SP TABLES-1

3.1 SP1-001 TO 101 (FEED)

1001	**[Lead Edge Reg]**		
	Adjust the image position against the transfer paper by adjusting timing of start registration. Reflects adjustment values with no change. “+” is the direction from which images come out. (Makes the registration start fast.) “-“ is the direction which images disappear. (Makes the registration start slow.)		
001	Tray	ENG	[-9.0 to 9.0 / **0.0** / 0.1 mm]
002	Bypass Tray	ENG	
003	Duplex	ENG	
004	Thin	ENG	
005	Plain1	ENG	
006	Plain2	ENG	
007	Mid-Thick	ENG	[-9.0 to 9.0 / **0.0** / 0.1 mm]
008	Thick1	ENG	
009	Thick2	ENG	
010	Thick3	ENG	
011	Thick4	ENG	

1003	**[Side-to-Side Reg]**		
	Adjust image position against the transfer paper by adjusting start position for writing. Reflects adjustment values with no change. “+” is the direction to which images shift. (Trimming area in the left increases.) “-“ is the direction to which images shift. (Trimming area in the left decreases.)		
001	Tray1	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Tray2	ENG	
003	Tray3	ENG	
004	Tray4	ENG	
005	Bypass Tray	ENG	
006	Duplex	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	LCT	ENG	
008	Thin	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Plain1	ENG	
010	Plain2	ENG	
011	Mid-Thick	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Thick1	ENG	
013	Thick2	ENG	
014	Thick3	ENG	
015	Thick4	ENG	

1004	**[Reg Buckle Adj]**		
001	Tray1,2,3,4	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. “+” makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. “-“ makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
002	Bypass Tray	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the bypass relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. “+” makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. “-“ makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
003	Duplex	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. “-“ makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
004	LCT	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. “-“ makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		

005	Thick1	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller and the bypass relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
006	Thick2	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller and the bypass relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
007	Thick3	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller and the bypass relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		
008	Thick4	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	The movement to drive the main unit relay roller and the bypass relay roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the registration roller. + makes paper buckles bigger and the pressure of the top edge of the paper against the registration roller increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper and decreasing margin because the top edge of the paper is pushed back.		

1005	**[Dup Buckle Adj]**		
	The movement to drive the duplex Inverter roller for making paper buckles in order to get the top edge of the paper lined up even after the top edge of the paper is delivered onto the duplex transfer roller 1. + makes paper buckles bigger and the pressure of the top edge of the paper against the duplex Inverter roller 1 increases. - makes paper buckles smaller. Excess buckling may bring about too much buckling of the paper.		
001	Thin	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
002	Plain1	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
003	Plain2	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
004	Mid-Thick	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
005	Thick1	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
006	Thick2	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
007	Thick3	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
008	Thick4	ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]

1007	**[Fine Adj Feed Mtr 1 Spd]**		
	Fine-tunes the line speed of the 1st feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1008	**[Fine Adj Transport Mtr 1 Spd]**		
	Fine-tunes the line speed of the 1st feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1009	**[Fine Adj Feed Mtr 2 Spd]**		
	Fine-tunes the line speed of the 2nd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1010	**[Fine Adj Transport Mtr 2 Spd]**		
	Fine-tunes the line speed of the 2nd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1011	**[Fine Adj Feed Mtr 3 Spd]**		
	Fine-tunes the line speed of the 3rd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Plain:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Plain:Mid-Thick	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Plain:Thick1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Plain:Thick2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Plain:Thick3	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Plain:Thick4	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1012	**[Fine Adj Transport Mtr 3 Spd]**		
	Fine-tunes the line speed of the 3rd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1013	**[Fine Adj Feed Mtr 4 Spd]**		
	Fine-tunes the line speed of the 4th feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	

1014	**[Fine Adj Transport Mtr 4 Spd]**		
	Fine-tunes the line speed of the 4th feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Plain:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Plain:Mid-Thick	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Plain:Thick1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Plain:Thick2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Plain:Thick3	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Plain:Thick4	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1015	**Fine Adj Bypass Mtr Spd]**		
	Fine-tunes the line speed of the bypass feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	

022	Glossy:Thick4	*ENG	

1016	**[Fine Adj Relay Mtr CW Spd]**		
	Fine-tunes the line speed of CW rotation of the main unit relay motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor. for LCT 1st page print and 2nd page print of the main unit bank, and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	

020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1017	**[Fine Adj Relay Mtr CW IncSpd]** Adjusts the speed multiplication line speed of CW rotation of the main unit relay motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor. for LCT 1st page print and 2nd page print of the main unit bank, and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1018	**[Fine Adj Relay Mtr CCW Spd]**		
	Fine-tunes the line speed of CCW rotation of the main unit relay motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor. for bypass 1st page print, and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	

016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1019	**[Fine Adj Registration Mtr Spd]**		
	Fine-tunes the line speed of the registration motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Plain:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Plain:Mid-Thick	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
005	Plain:Thick1	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
006	Plain:Thick2	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
007	Plain:Thick3	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]
008	Plain:Thick4	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Matte:Mid-Thick	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
012	Matte:Thick1	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
013	Matte:Thick2	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
014	Matte:Thick3	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]

015	Matte:Thick4	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]
016	Glossy:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
019	Glossy:Thick1	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
020	Glossy:Thick2	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
021	Glossy:Thick3	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]
022	Glossy:Thick4	*ENG	[-3.0 to 3.0 / **-2.0** / 0.1 %/step]

1021	**[PTR Cont Timing]** Sets the attaching timing for Shock Jitter Canceling. Attaching timing gets faster when the value gets smaller. Attaching timing gets slower when the value gets larger.		
001	Plain:Thin	ENG	[-5 to 10 / **2** / 1 mm/step]
002	Plain:Plain1	ENG	[-5 to 10 / **2** / 1 mm/step]
003	Plain:Plain2	ENG	[-5 to 10 / **2** / 1 mm/step]
004	Plain:Mid-Thick	ENG	[-5 to 10 / **2** / 1 mm/step]
005	Plain:Thick1	ENG	[-5 to 10 / **3** / 1 mm/step]
006	Plain:Thick2	ENG	[-5 to 10 / **2** / 1 mm/step]
007	Plain:Thick3	ENG	[-5 to 10 / **2** / 1 mm/step]
008	Plain:Thick4	ENG	[-5 to 10 / **2** / 1 mm/step]
012	Glossy:Plain1	ENG	[-5 to 10 / **2** / 1 mm/step]
013	Glossy:Plain2	ENG	[-5 to 10 / **2** / 1 mm/step]
014	Glossy:Mid-Thick	ENG	[-5 to 10 / **2** / 1 mm/step]
015	Glossy:Thick1	ENG	[-5 to 10 / **3** / 1 mm/step]
016	Glossy:Thick2	ENG	[-5 to 10 / **2** / 1 mm/step]
017	Glossy:Thick3	ENG	[-5 to 10 / **2** / 1 mm/step]

018	Glossy:Thick4	ENG	[-5 to 10 / **2** / 1 mm/step]
022	Matte:Plain1	ENG	[-5 to 10 / **2** / 1 mm/step]
023	Matte:Plain2	ENG	[-5 to 10 / **2** / 1 mm/step]
024	Matte:Mid-Thick	ENG	[-5 to 10 / **2** / 1 mm/step]
025	Matte:Thick1	ENG	[-5 to 10 / **3** / 1 mm/step]
026	Matte:Thick2	ENG	[-5 to 10 / **2** / 1 mm/step]
027	Matte:Thick3	ENG	[-5 to 10 / **2** / 1 mm/step]
028	Matte:Thick4	ENG	[-5 to 10 / **2** / 1 mm/step]
056	OHP:Thick2	ENG	[-5 to 10 / **0** / 1 mm/step]
061	TracingPaper:Thin	ENG	[-5 to 10 / **0** / 1 mm/step]
076	Envelope:Thick2	ENG	[-5 to 10 / **0** / 1 mm/step]
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

1022	**[PTR Sep Timing]**		
	Sets the detaching timing for Shock Jitter Canceling. Detaching timing gets faster when the value gets smaller. Detaching timing gets slower when the value gets larger.		
001	Plain:Thin	*ENG	[-10 to 5 / **0** / 1 mm/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	[-10 to 5 / **-5** / 1 mm/step]
006	Plain:Thick2	ENG	
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
012	Glossy:Plain1	ENG	[-10 to 5 / **0** / 1 mm/step]

013	Glossy:Plain2	ENG	
014	Glossy:Mid-Thick	ENG	
015	Glossy:Thick1	ENG	[-10 to 5 / **-5** / 1 mm/step]
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	[-10 to 5 / **0** / 1 mm/step]
023	Matte:Plain2	ENG	
024	Matte:Mid-Thick	ENG	
025	Matte:Thick1	ENG	[-10 to 5 / **-5** / 1 mm/step]
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
056	OHP:Thick2	ENG	[-10 to 5 / **0** / 1 mm/step]
061	TracingPaper:Thin	ENG	
076	Envelope:Thick2	ENG	
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

1023	**[Shock Jitter Canceling]**		
	Sets ON/OFF for Shock Jitter Canceling. Set 1: ON, Unset 0: OFF		
001	Plain:Thin	*ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
002	Plain:Plain1	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
003	Plain:Plain2	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
004	Plain:Mid-Thick	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
005	Plain:Thick1	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
006	Plain:Thick2	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
007	Plain:Thick3	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
008	Plain:Thick4	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
012	Glossy:Plain1	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
013	Glossy:Plain2	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
014	Glossy:Mid-Thick	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
015	Glossy:Thick1	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
016	Glossy:Thick2	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON

017	Glossy:Thick3	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
018	Glossy:Thick4	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
022	Matte:Plain1	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
023	Matte:Plain2	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
024	Matte:Mid-Thick	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
025	Matte:Thick1	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
026	Matte:Thick2	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
027	Matte:Thick3	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
028	Matte:Thick4	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
056	OHP:Thick2	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
061	TracingPaper:Thin	ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1: ON
076	Envelope:Thick2	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
077	Envelope:Thick3	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON
078	Envelope:Thick4	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1: ON

1026	**[Fine Adj Invert Ent Mtr Spd]**		
	Fine-tunes the line speed of the Inverter Entrance motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
011	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Plain:Plain1	*ENG	
013	Plain:Plain2	*ENG	
014	Plain:Mid-Thick	*ENG	
015	Plain:Thick1	*ENG	
016	Plain:Thick2	*ENG	
017	Plain:Thick3	*ENG	
018	Plain:Thick4	*ENG	
019	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Matte:Plain2	*ENG	
021	Matte:Mid-Thick	*ENG	
022	Matte:Thick1	*ENG	
023	Matte:Thick2	*ENG	
024	Matte:Thick3	*ENG	
025	Matte:Thick4	*ENG	
026	Glossy:Plain1	*ENG	
027	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Glossy:Mid-Thick	*ENG	
029	Glossy:Thick1	*ENG	
030	Glossy:Thick2	*ENG	
031	Glossy:Thick3	*ENG	
032	Glossy:Thick4	*ENG	

1027	**[Fine Adj Exit Invert CW Spd]**		
	Fine-tunes the line speed of CW rotation of the Paper Exit Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1028	**[Fine Adj Exit Invert CW IncSpd]**		
	Fine-tunes the speed multiplication line speed of CW rotation of the Paper Exit Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1029	**[Fine Adj Exit Invert CCW Spd]**		
	Fine-tunes the line speed of CCW rotation of the Paper Exit Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1030	**[Fine Adj Duplx Invert CW Spd]**		
	Fine-tunes the line speed of CW rotation of the Duplex Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1031	**[Fine Adj Duplx Invert CCW Spd]**		
	Fine-tunes the line speed of CCW rotation of the Duplex Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1032	**[Fine Adj Dup Invert CCW IncSpd]**		
	Fine-tunes the speed multiplication line speed of CCW rotation of the Duplex Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1033	**[Fine Adj Dup Transport Mtr Spd]**		
	Fine-tunes the line speed of the Duplex Transport motor in the mode of the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	
022	Glossy:Thick4	*ENG	

1034	**[Fine Adj Duplx Exit Mtr Spd]**		
	Fine-tunes the line speed of the Duplex Exit motor in the mode of the topic mentioned above. Reflects adjustment values with no change. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	

022	Glossy:Thick4	*ENG	

1035	**[Fine Adj Exit Mtr Spd]**		
	Fine-tunes the line speed of the Exit motor in the mode of the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Plain:Thin	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Plain:Plain1	*ENG	
003	Plain:Plain2	*ENG	
004	Plain:Mid-Thick	*ENG	
005	Plain:Thick1	*ENG	
006	Plain:Thick2	*ENG	
007	Plain:Thick3	*ENG	
008	Plain:Thick4	*ENG	
009	Matte:Plain1	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Matte:Plain2	*ENG	
011	Matte:Mid-Thick	*ENG	
012	Matte:Thick1	*ENG	
013	Matte:Thick2	*ENG	
014	Matte:Thick3	*ENG	
015	Matte:Thick4	*ENG	
016	Glossy:Plain1	*ENG	
017	Glossy:Plain2	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Glossy:Mid-Thick	*ENG	
019	Glossy:Thick1	*ENG	
020	Glossy:Thick2	*ENG	
021	Glossy:Thick3	*ENG	

022	Glossy:Thick4	*ENG	
023	Envelope:Mid-Thick	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Envelope:Thick1	*ENG	
025	Envelope:Thick2	*ENG	
026	Envelope:Thick3	*ENG	
027	Envelope:Thick4	*ENG	
028	OHP	*ENG	

1036	**[Initial Operation Setting]**		
	Switches not remove: 0 / remove: 1 regarding paper dust removal when recovering from sleep mode.		
001	Paper Dust Remove	*ENG	[0 or 1 / **0** / 1/step] 0:not remove 1:remove

1040	**[Drawer Lock Motor]**		
	Executes unlocking the drawer unit.		
001	Unlocking Operation	ENG	[0 or 1 / **0** / 1/step]

1050	**[Motor Adj:First Speed]**		
001	Drum Motor:K:First Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for Bk drum motor 1st speed		
002	Drum Motor:C:First Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for C drum motor 1st speed		
003	Drum Motor:M:First Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for M drum motor 1st speed		
004	Drum Motor:Y:First Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]

	Fine adjustment for motor speed for Y drum motor 1st speed		
005	Dev Motor:K:First Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Bk development motor 1st speed		
006	Dev Motor:C:First Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for C development motor 1st speed		
007	Dev Motor:M:First Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for M development motor 1st speed		
008	Dev Motor:Y:First Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Y development motor 1st speed		
013	ITB Motor:First Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the image transfer motor 1st speed		
014	PTR Motor:First Speed	*ENG	[-5.0 to 5.0 / **1.2** / 0.1 %/step]
	Fine adjustment for motor speed for the 2nd transfer motor 1st speed		
015	Fusing Motor:First Speed	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the fusing motor 1st speed		

1051	**[Motor Adj:Second Speed]**		
001	Drum Motor:K:Second Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for Bk drum motor 2nd speed		
002	Drum Motor:C:Second Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for C drum motor 2nd speed		
003	Drum Motor:M:Second Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for M drum motor 2nd speed		
004	Drum Motor:Y:Second Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for Y drum motor 2nd speed		
005	Dev Motor:K:Second Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

	Fine adjustment for motor speed for Bk development motor 2nd speed		
006	Dev Motor:C:Second Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for C development motor 2nd speed		
007	Dev Motor:M:Second Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for M development motor 2nd speed		
008	Dev Motor:Y:Second Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Y development motor 2nd speed		
013	ITB Motor:Second Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the image transfer motor 2nd speed		
014	PTR Motor:Second Speed	*ENG	[-5.0 to 5.0 / **1.2** / 0.1 %/step]
	Fine adjustment for motor speed for the 2nd transfer motor 2nd speed		
015	Fusing Motor:Second Speed	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the fusing motor 2nd speed		

1052	**[Motor Adj:Third Speed]**		
001	Drum Motor:K:Third Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for Bk drum motor 3rd speed		
002	Drum Motor:C:Third Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for C drum motor 3rd speed		
003	Drum Motor:M:Third Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for M drum motor 3rd speed		
004	Drum Motor:Y:Third Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed for Y drum motor 3rd speed		
005	Dev Motor:K:Third Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Bk development motor 3rd speed		
006	Dev Motor:C:Third Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

	Fine adjustment for motor speed for C development motor 3rd speed		
007	Dev Motor:M:Third Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for M development motor 3rd speed		
008	Dev Motor:Y:Third Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Y development motor 3rd speed		
013	ITB Motor:Third Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the image transfer motor 3rd speed		
014	PTR Motor:Third Speed	*ENG	[-5.0 to 5.0 / **1.2** / 0.1 %/step]
	Fine adjustment for motor speed for the 2nd transfer motor 3rd speed		
015	Fusing Motor:Third Speed	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the fusing motor 3rd speed		

1053	**[Motor Adj:Fourth Speed]**		
001	Drum Motor:K:Fourth Speed	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
	Fine adjustment for motor speed for Bk drum motor 4th speed		
002	Drum Motor:C:Fourth Speed	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
	Fine adjustment for motor speed for C drum motor 4th speed		
003	Drum Motor:M:Fourth Speed	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
	Fine adjustment for motor speed for M drum motor 4th speed		
004	Drum Motor:Y:Fourth Speed	*ENG	[-3.0 to 3.0 / **-1.0** / 0.1 %/step]
	Fine adjustment for motor speed for Y drum motor 4th speed		
005	Dev Motor:K:Fourth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Bk development motor 4th speed		
006	Dev Motor:C:Fourth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for C development motor 4th speed		
007	Dev Motor:M:Fourth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

	Fine adjustment for motor speed for M development motor 4th speed		
008	Dev Motor:Y:Fourth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for Y development motor 4th speed		
013	ITB Motor:Fourth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the image transfer motor 4th speed		
014	PTR Motor:Fourth Speed	*ENG	[-5.0 to 5.0 / **1.2** / 0.1 %/step]
	Fine adjustment for motor speed for the 2nd transfer motor 4th speed		
015	Fusing Motor:Fourth Speed	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed for the fusing motor 4th speed		

1054	**[Motor Adj:Fifth Speed]**		
001	Drum Motor:K:Fifth Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed of Bk drum motor 5th speed		
002	Drum Motor:C:Fifth Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed of C drum motor 5th speed		
003	Drum Motor:M:Fifth Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed of M drum motor 5th speed		
004	Drum Motor:Y:Fifth Speed	*ENG	[-3.0 to 3.0 / **-0.1** / 0.1 %/step]
	Fine adjustment for motor speed of Y drum motor 5th speed		
005	Dev Motor:K:Fifth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed of Bk development motor 5th speed		
006	Dev Motor:C:Fifth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed of C development motor 5th speed		
007	Dev Motor:M:Fifth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed of M development motor 5th speed		
008	Dev Motor:Y:Fifth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

	Fine adjustment for motor speed of Y development motor 5th speed		
013	ITB Motor:Fifth Speed	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed of the image transfer motor 5th speed		
014	PTR Motor:Fifth Speed	*ENG	[-5.0 to 5.0 / **1.2** / 0.1 %/step]
	Fine adjustment for motor speed of the 2nd transfer motor 5th speed		
015	Fusing Motor:Fifth Speed	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]
	Fine adjustment for motor speed of the fusing motor 5th speed		

1060	**[PaperFeedTimingAdj.:Mainframe**		
001	RegistExFeedAmtAdj	*ENG	[- / **0** / mm/step]
002	RegistExFeedAmtAdj:Bypass	*ENG	[- / **0** / mm/step]
003	Bypass Paper Size Confirm Time	*ENG	[- / **3** s/step]

1101	**[Reload Permit Setting]**		
002	Reload Target Temp.:Center	*ENG	[0 to 200 /**150(Pro a)** / 1deg/step]
	Reload Permit Temp: Center		
003	Reload Target Temp.:Press	*ENG	[0 to 200 / **130** / 1deg/step]
	Reload Permit Temp: Press		
004	Temp.:Delta:Cold:Center	*ENG	[0 to 200 / **5** / 1deg/step]
	Reload Permit Temp Delta: Cold: Center		
005	Temp.:Delta:Cold:End	*ENG	[0 to 200 / **100** / 1deg/step]
	Reload Permit Set: Temp: Delta: Cold: End		
006	Temp.:Delta:Cold:Press	*ENG	[0 to 200 / **50** / 1deg/step]
	Reload Permit Temp Delta: Cold: Press		
007	Temp.:Delta:Cold:Press:End	*ENG	[0 to 200 / **100** / 1deg/step]

	Reload Permit Temp Delta: Cold: Press End		
008	Rotation Time:Cold	*ENG	[0.0 to 10000.0 / **2860.0(Office a, Pro b)** / 0.1 sec/step]
	Reload Rotation Time for Cold		
009	Temp.:Delta:Warm:Center	*ENG	[0 to 200 / **5** / 1deg/step]
	Reload Permit Temp Delta: Cold: Center		
010	Temp.:Delta:Warm:End	*ENG	[0 to 200 / **100** / 1deg/step]
	Reload Permit Set: Temp: Delta: Cold: End		
011	Temp.:Delta:Warm:Press	*ENG	[0 to 200 / **50** / 1deg/step]
	Reload Permit Temp Delta: Cold: Press		
012	Temp.:Delta:Warm:Press:End	*ENG	[0 to 200 / **100** / 1deg/step]
	Reload Permit Temp Delta: Cold: Press End		
013	Rotation Time:Warm	*ENG	[0.0 to 10000.0 / **5.0** / 0.1 sec/step]
	Reload Rotation Time for Warm		
014	Temp.:Delta:Hot:Center	*ENG	[0 to 200 / **5** / 1deg/step]
	Reload Permit Temp Delta: Hot: Center		
015	Temp.:Delta:Hot:End	*ENG	[0 to 200 / **100** / 1deg/step]
	Reload Permit Set: Temp: Delta: Hot: End		
016	Temp.:Delta:Hot:Press	*ENG	[0 to 200 / **50** / 1deg/step]
	Reload Permit Temp Delta: Hot: Press		
017	Temp.:Delta:Hot:Press:End	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press End		
018	Rotation Time:Hot	*ENG	[0.0 to 10000.0 / **0.0** / 0.1 sec/step]
	Reload Rotation Time for Hot		

020	Roll Core Temp	*ENG	[0 to 200 / **0** / 1 deg/step]
	Cored bar Reload Permit Temp		
021	Roll Core Temp Judgment	*ENG	[0 or 1 / **1** / 1/step] 0: Roll Core Detection:OFF 1:Roll Core Detection: ON
	Cored bar Reload Permit Temp detection ON/OFF settings		
051	Temp.:Delta:Cold:Center:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center in BW1/2: mode		
052	Temp.:Delta:Cold:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp: Delta: Cold: End in BW1/2: mode		
053	Temp.:Delta:Cold:Press:BW1/2	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press in BW1/2: mode		
054	Temp.:Delta:Cold:Press:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press End in BW1/2: mode		
055	Rotation Time:Cold:BW1/2	*ENG	[0.0 to 10000.0 / **43.0** / 0.1 sec/step]
	Reload Rotation Time for Cold in BW1/2: mode		
056	Temp.:Delta:Warm:Center:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center in BW1/2: mode		
057	Temp.:Delta:Warm:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp: Delta: Cold: End in BW1/2: mode		
058	Temp.:Delta:Warm:Press:BW1/2	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press in BW1/2: mode		
059	Temp.:Delta:Warm:Press:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press End in BW1/2: mode		
060	Rotation Time:Warm:BW1/2	*ENG	[0.0 to 10000.0 / **5.0** / 0.1 sec/step]

	Reload Rotation Time for Warm in BW1/2: mode		
061	Temp.:Delta:Hot:Center:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Center in BW1/2: mode		
062	Temp.:Delta:Hot:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp: Delta: Hot: End in BW1/2: mode		
063	Temp.:Delta:Hot:Press:BW1/2	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press in BW1/2: mode		
064	Temp.:Delta:Hot:Press:End:BW1/2	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press End in BW1/2: mode		
065	Rotation Time:Hot:BW1/2	*ENG	[0.0 to 10000.0 / **0.0** / 0.1 sec/step]
	Reload Rotation Time for Hot in BW1/2: mode		
071	Temp.:Delta:Cold:Center:Energy Saving	*ENG	[0 to 200 / **5** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center when judging as feeding through in energy saving mode		
072	Temp.:Delta:Cold:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp Delta: Cold: End when judging as feeding through in energy saving mode		
073	Temp.:Delta:Cold:Press:Energy Saving	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press when judging as feeding through in energy saving mode		
074	Temp.:Delta:Cold:Press:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press End when judging as feeding through in energy saving mode		
075	Rotation Time:Cold:Energy Saving	*ENG	[0.0 to 10000.0 / **25.0** / 0.1 sec/step]

	Reload Rotation Time for Cold when judging as feeding through in energy saving mode		
076	Temp.:Delta:Warm:Center:Energy Saving	*ENG	[0 to 200 / **5** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Center when judging as feeding through in energy saving mode		
077	Temp.:Delta:Warm:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp Delta: Cold: End when judging as feeding through in energy saving mode		
078	Temp.:Delta:Warm:Press:Energy Saving	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press when judging as feeding through in energy saving mode		
079	Temp.:Delta:Warm:Press:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Cold: Press End when judging as feeding through in energy saving mode		
080	Rotation Time:Warm:Energy Saving	*ENG	[0.0 to 10000.0 / **5.0** / 0.1 sec/step]
	Reload Rotation Time for Warm when judging as feeding through in energy saving mode		
081	Temp.:Delta:Hot:Center:Energy Saving	*ENG	[0 to 200 / **5** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Center when judging as feeding through in energy saving mode		
082	Temp.:Delta:Hot:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Set Temp Delta: Hot: End when judging as feeding through in energy saving mode		
083	Temp.:Delta:Hot:Press:Energy Saving	*ENG	[0 to 200 / **50** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press when judging as feeding through in energy saving mode		

084	Temp.:Delta:Hot:Press:End:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Reload Permit Temp Delta: Hot: Press End when judging as feeding through in energy saving mode		
085	Rotation Time:Hot:Energy Saving	*ENG	[0.0 to 10000.0 / **0.0** / 0.1 sec/step]
	Reload Rotation Time for Hot when judging as feeding through in energy saving mode		
090	Reload Extension: Low Temp	*ENG	[0 to 200 / **60** / 1 deg/step]
	Sets extension for reload time of low temperature environment.		
101	Reload Target Temp.:Center:Energy Saving	*ENG	[0 to 200 / **143(Office b), 150(Pro a, Prob)** / 1 deg/step]
	Sets Fusing Center Reload Permit Temp when feeding through in energy saving mode.		
102	Reload Target Temp.:Press:Energy Saving	*ENG	[0 to 200 / **100** / 1 deg/step]
	Sets Press Center Reload Permit Temp when feeding through in energy saving mode.		

3.2 SP1-102 TO 121 (FEED)

1102	**[Feed Permit Setting]**		
019	Feed Permit time	*ENG	[0 to 1000 / **60** / 1sec/step]
	Set time for starting operation before feeding through to feeding permission		
101	Temp.:Lower Delta:Heat:1	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 1 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
102	Temp.:Upper Delta:Heat:1	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 1 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
103	Temp.:Lower Delta:Press:1	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 1 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
104	Temp.:Upper Delta:Press:1	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 1 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
105	Rotation Time:1	*ENG	[0 to 60 / **0** / 1sec/step]
	Seeings for waiting time for the result of feeding permission pattern 1		
106	Temp.:Lower Delta:Heat:2	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 2 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
107	Temp.:Upper Delta:Heat:2	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 2 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
108	Temp.:Lower Delta:Press:2	*ENG	[0 to 60 / **60** / 1deg/step]

	Pattern 2 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
109	Temp.:Upper Delta:Press:2	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 2 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
110	Rotation Time:2	*ENG	[0 to 60 / **0** / 1sec/step]
	Seeings for waiting time for the result of feeding permission pattern 2		
111	Temp.:Lower Delta:Heat:3	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 3 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
112	Temp.:Upper Delta:Heat:3	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 3 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
113	Temp.:Lower Delta:Press:3	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 3 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
114	Temp.:Upper Delta:Press:3	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 3 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
115	Rotation Time:3	*ENG	[0 to 60 / **0** / 1sec / step/step]
	Seeings for waiting time for the result of feeding permission pattern 3		
116	Temp.:Lower Delta:Heat:4	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 4 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
117	Temp.:Upper Delta:Heat:4	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 4 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
118	Temp.:Lower Delta:Press:4	*ENG	[0 to 60 / **60** / 1deg/step]

	Pattern 4 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
119	Temp.:Upper Delta:Press:4	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 4 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
120	Rotation Time:4	*ENG	[0 to 60 / **0** / 1sec/step]
	Seeings for waiting time for the result of feeding permission pattern 4		
121	Temp.:Lower Delta:Heat:5	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 5 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
122	Temp.:Upper Delta:Heat:5	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 5 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
123	Temp.:Lower Delta:Press:5	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 5 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
124	Temp.:Upper Delta:Press:5	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 5 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
125	Rotation Time:5	*ENG	[0 to 60 / **0** / 1sec/step]
	Seeings for waiting time for the result of feeding permission pattern 5		
126	Temp.:Lower Delta:Heat:6	*ENG	[0 to 60 / **10** / 1deg/step]
	Pattern 6 settings for feeding permission of lower limit difference value from Fusing Center: Feed Permit, target temperature		
127	Temp.:Upper Delta:Heat:6	*ENG	[0 to 60 / **15** / 1deg/step]
	Pattern 6 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the fusing unit side		
128	Temp.:Lower Delta:Press:6	*ENG	[0 to 60 / **60** / 1deg/step]

	Pattern 6 settings for feeding permission of lower limit difference value from target temperature of Feed Permit Temp on the Press side		
129	Temp.:Upper Delta:Press:6	*ENG	[0 to 60 / **60** / 1deg/step]
	Pattern 6 settings for feeding permission of upper limit difference value from target temperature of Feed Permit Temp on the Press side		
130	Rotation Time:6	*ENG	[0 to 60 / **0** / 1sec/step]
	Seeings for waiting time for the result of feeding permission pattern 6		
150	Tmp:LowDelta:Nml:Heat:End:Div1	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 262mm or less: lower limit difference value from feed permit temperature and target temperature.		
151	Tmp:LowDelta:Nml:Heat:End:Div2	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 262mm to 92mm or less: lower limit difference value from feed permit temperature and target temperature.		
152	Tmp:LowDelta:Nml:Heat:End:Div3	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 292mm to 311mm or less: lower limit difference value from feed permit temperature and target temperature.		
153	Tmp:LowDelta:Nml:Heat:End:Div4	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 211mm to324mm or less: lower limit difference value from feed permit temperature and target temperature.		
154	Tmp:LowDelta:Nml:Heat:End:Div5	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 324mm or more: lower limit difference value from feed permit temperature and target temperature.		
155	Tmp:UpDelta:Nml:Heat:End:Div1	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 262mm or less: upper limit difference value from feed permit temperature and target temperature.		
156	Tmp:UpDelta:Nml:Heat:End:Div2	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 262mm to 292mm or less: upper limit difference value from feed permit temperature and target temperature.		
157	Tmp:UpDelta:Nml:Heat:End:Div3	*ENG	[0 to 200 / **100** / 1deg/step]

	Fusing priority mode: Edge of Fusing with paper width of 292mm to 311mm or less: upper limit difference value from feed permit temperature and target temperature.		
158	Tmp:UpDelta:Nml:Heat:End:Div4	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 211mm to 324mm or less: upper limit difference value from feed permit temperature and target temperature.		
159	Tmp:UpDelta:Nml:Heat:End:Div5	*ENG	[0 to 200 / **100** / 1deg/step]
	Fusing priority mode: Edge of Fusing with paper width of 324mm or more: upper limit difference value from feed permit temperature and target temperature.		
160	Tmp:LowDelta:Prd:Heat:End:Div1	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 262mm or less: lower limit difference value from feed permit temperature and target temperature.		
161	Tmp:LowDelta:Prd:Heat:End:Div2	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 262mm to 292mm or less: lower limit difference value from feed permit temperature and target temperature.		
162	Tmp:LowDelta:Prd:Heat:End:Div3	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 262mm to 311mm or less: lower limit difference value from feed permit temperature and target temperature.		
163	Tmp:LowDelta:Prd:Heat:End:Div4	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 211mm to 324mm or less: lower limit difference value from feed permit temperature and target temperature.		
164	Tmp:LowDelta:Prd:Heat:End:Div5	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 324mm or more: lower limit difference value from feed permit temperature and target temperature.		
165	Tmp:UpDelta:Prd:Heat:End:Div1	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 262mm or less: upper limit difference value from feed permit temperature and target temperature.		
166	Tmp:UpDelta:Prd:Heat:End:Div2	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 262mm to 292mm or less: upper limit difference value from feed permit temperature and target temperature.		

167	Tmp:UpDelta:Prd:Heat:End:Div3	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 292mm to 311mm or less: upper limit difference value from feed permit temperature and target temperature.		
168	Tmp:UpDelta:Prd:Heat:End:Div4	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 211mm to 324mm or less: upper limit difference value from feed permit temperature and target temperature.		
169	Tmp:UpDelta:Prd:Heat:End:Div5	*ENG	[0 to 200 / **100** / 1deg/step]
	Output priority mode: Edge of Fusing with paper width of 324mm or more: upper limit difference value from feed permit temperature and target temperature.		
180	Uncoated Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Uncoated Thick 5:L.		
181	Matte Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Matte Thick 5:L.		
182	Glossy Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Glossy Thick 5:L.		
183	Output Priority:Uncoated Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Uncoated Thick 5:L.		
184	Output Priority:Matte Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Matte Thick 5:L.		
185	Output Priority:Glossy Thick 5:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Glossy Thick 5:L.		
186	Uncoated Thick 6:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Uncoated Thick 6:L.		
187	Matte Thick 6:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Matte Thick 6:L.		
188	Glossy Thick 6:L	ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Glossy Thick 6:L.		

189	Output Priority:Uncoated Thick 6:L	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Uncoated Thick 6:L.		
190	Output Priority:Matte Thick 6:L	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Matte Thick 6:L.		
191	Output Priority:Glossy Thick 6:L	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority:Glossy Thick 6:L.		
194	Envelope	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Envelope.		
195	Output Priority:Envelope	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority: Envelope.		
196	Glossy	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Glossy.		
197	Output Priority:Glossy	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority: Glossy.		
198	Postcard	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Postcard.		
199	Output Priority:Postcard	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Output Priority: Postcard.		
201	Norm:Uncoated:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Thin: Thick1.		
202	Norm:Uncoated:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Plain1: Thick2.		
203	Norm:Uncoated:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Plain2: Thick3.		
204	Norm:Uncoated:Mid-Thick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Mid-Thick: Thick4.		

205	Norm:Uncoated:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Uncoated:Thick1:Thick5.		
206	Norm:Uncoated:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Thick2: Thick6.		
207	Norm:Uncoated:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Thick3: Thick7.		
208	Norm:Uncoated:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: Thick4: Thick8.		
209	Norm:Uncoated:OHP	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Uncoated: OHP.		
210	Norm:Sp1:Matte:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: Thin: Thick1.		
211	Norm:Sp1:Matte:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: Plain1: Thick2.		
212	Norm:Sp1:Matte:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: Plain2: Thick3.		
213	Norm:Sp1:Matte:MidThick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: MidThick: Thick4.		
214	Norm:Sp1:Matte:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1:Matte:Thick1:Thick5.		
215	Norm:Sp1:Matte:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: Thick2: Thick6.		
216	Norm:Sp1:Matte:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm: Sp1: Matte: Thick3: Thick7.		
217	Norm:Sp1:Matte:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Sp1:Matte:Thick4:Thick8.		

219	Nml:Sp2:Glossy:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Nml:Sp2:Glossy:Thin:Thick1.		
220	Nml:Sp2:Glossy:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Nml:Sp2:Glossy:Plain1:Thick2.		
221	Nml:Sp2:Glossy:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Nml:Sp2:Glossy:Plain2:Thick3.		
222	Nml:Sp2:Glossy:MidThick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Nml:Sp2:Glossy:MidThick:Thick4.		
223	Norm:Sp2:Glossy:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Sp2:Glossy:Thick1:Thick5.		
224	Norm:Sp2:Glossy:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Sp2:Glossy:Thick2:Thick6.		
225	Norm:Sp2:Glossy:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Sp2:Glossy:Thick3:Thick7.		
226	Norm:Sp2:Glossy:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Norm:Sp2:Glossy:Thick4:Thick8.		
228	Prd:Uncoated:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Thin:Thick1.		
229	Prd:Uncoated:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Plain1:Thick2.		
230	Prd:Uncoated:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Plain2:Thick3.		
231	Prd:Uncoated:MidThick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:MidThick:Thick4.		
232	Prd:Uncoated:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Thick1:Thick5.		

233	Prd:Uncoated:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Thick2:Thick6.		
234	Prd:Uncoated:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1 / step/step]
	Selects Feed Permit Setting for Prd:Uncoated:Thick3:Thick7.		
235	Prd:Uncoated:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:Thick4:Thick8.		
236	Prd:Uncoated:OHP	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Uncoated:OHP.		
237	Prd:Sp1:Matte:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Thin:Thick1.		
238	Prd:Sp1:Matte:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Plain1:Thick2.		
239	Prd:Sp1:Matte:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Plain2:Thick3.		
240	Prd:Sp1:Matte:MidThick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:MidThick:Thick4.		
241	Prd:Sp1:Matte:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Thick1:Thick5.		
242	Prd:Sp1:Matte:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Thick2:Thick6.		
243	Prd:Sp1:Matte:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Thick3:Thick7.		
244	Prd:Sp1:Matte:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp1:Matte:Thick4:Thick8.		
245	Prd:Sp2:Glossy:Thin:Thick1	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Thin:Thick1.		

246	Prd:Sp2:Glossy:Plain1:Thick2	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Plain1:Thick2.		
247	Prd:Sp2:Glossy:Plain2:Thick3	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Plain2:Thick3.		
248	Prd:Sp2:Glossy:MidThick:Thick4	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:MidThick:Thick4.		
249	Prd:Sp2:Glossy:Thick1:Thick5	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Thick1:Thick5.		
250	Prd:Sp2:Glossy:Thick2:Thick6	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Thick2:Thick6.		
251	Prd:Sp2:Glossy:Thick3:Thick7	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Thick3:Thick7.		
252	Prd:Sp2:Glossy:Thick4:Thick8	*ENG	[1 to 6 / **1** / 1/step]
	Selects Feed Permit Setting for Prd:Sp2:Glossy:Thick4:Thick8.		

1106	**[Fusing Temp. Display]**		
001	Sensor1:Heat:Center	ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor1:Heat:Center.		
002	Sensor2:Heat:Front	ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor2:Heat:Front.		
003	Sensor3:Fusing:End	ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor3:Fusing:End.		
004	Sensor4:Press:Center	ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor4:Press:Center.		
005	Sensor5:Press:End	*ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor5:Press:End.		

006	Sensor6:Fusing:Center	*ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor6:Fusing:Center.		
007	Sensor7:Fusing:Roll Core	*ENG	[-10 to 270 / **0** / 1deg/step]
	Displays the temperature for Sensor7:Fusing:Roll Core.		

1107	**[Standby Target Temp. Setting]**		
001	Standby:Fusing:Center	*ENG	[100 to 200 / **148** / 1deg/step]
	Target temperature for Standby/EnergySaver1: Sets Fusing.		
002	Standby:Press:Center	*ENG	[100 to 200 / **130** / 1deg/step]
	Target temperature for Standby/EnergySaver1: Sets Press.		
003	EnergySaver:Press:Center	*ENG	[100 to 200 / **0** / 1deg/step]
	Target temperature for EnergySaver2: Sets Fusing.		
004	EnergySaver:Heat:Center	*ENG	[100 to 200 / **130** / 1deg/step]
	Target temperature for EnergySaver2: Sets Press.		
005	Low Power:Fusing:Center	*ENG	[100 to 200 / **148** / 1deg/step]
	Target temperature for Low Power: Sets Fusing.		
006	Low Power:Press:Center	*ENG	[100 to 200 / **130** / 1deg/step]
	Target temperature for Low Power: Sets Press.		
007	Print Ready:Fusing:Center	*ENG	[120 to 180 / **145** / 1deg/step]
	Target temperature for Print Ready: Sets Fusing.		
008	Print Ready:Press:Center	*ENG	[50 to 200 / **130** / 1deg/step]
	Target temperature for Print Ready: Sets Press.		

1108	**[After Reload/Job Target Temp.]**		
001	Heat:Center	*ENG	[120 to 180 / **148** / 1deg/step]
	Target temperature for After Reload/Job: Sets Heat: Center.		

002	Press:Center	*ENG	[50 to 200 / **130** / 1deg/step]
	Target temperature for After Reload/Job: Sets Press:Center.		
011	Heat:Center:Energy Saving	*ENG	[120 to 180 / **153(Office b:NA), 150(Pro a)** / 1deg/step]
	Target temperature for After Reload/Job when saving energy: Sets Heat:Center.		
012	Press:Center:Energy Saving	*ENG	[50 to 200 / **130** / 1deg/step]
	Target temperature for After Reload/Job when saving energy: Sets Press:Center.		

1111	**[Environment Correction:Fusing]**		
001	Temp.:Threshold: Low	*ENG	[0 to 100 / **5** / 1deg/step]
	Environment Correction Threshold on Low		
002	Temp.:Threshold: High	*ENG	[0 to 100 / **35** / 1deg/step]
	Environment Correction Threshold on High		
003	Low Temp. Correction	*ENG	[0 to 100 / **10** / 1deg/step]
	Sets the target temperature correction on Low Temp. environment.		
004	High Temp. Correction	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the target temperature correction on Low Temp. environment.		
005	Job Low Temp. Correction	*ENG	[0 to 100 / **10** / 1deg/step]
	Environment Correction for Job on Low Temp.		
006	Job High Temp. Correction	*ENG	[0 to 100 / **5** / 1deg/step]
	Environment Correction for Job on High Temp.		
007	Job Low Temp. Correction:Sp.	*ENG	[0 to 100 / **15** / 1deg/step]
	Environment Correction for Job of special paper on Low Temp.		
008	Job High Temp. Correction:Sp.	*ENG	[0 to 100 / **0** / 1deg/step]
	Environment Correction for Job of special paper on High Temp.		

1112	[Image Processing Temp. Correct]		
001	Temp.:Plain:Center:Level1/2	*ENG	[-20 to 10 / **0** / 1deg/step]
	Temp.:Plain:Center:Level1/2		
002	Temp.:Plain:Center:Energy Saving	*ENG	[-10 to 20 / **0(Office a)** / 1deg/step]
	Temp.:Plain:Center:Energy Saving		

1113	[Curl Correction]		
001	CorJ:Uncoated:Thin/Thick1	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Thin/Thick1 Curl Correction.		
002	CorJ:Uncoated:Plain1/Thick2	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Plain1/Thick2 Curl Correction.		
003	CorJ:Uncoated:Plain2/Thick3	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Plain2/Thick3 Curl Correction.		
004	CorJ:Uncoated:MidThick/Thick4	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:MidThick/Thick4 Curl Correction.		

005	CorJ:Uncoated:Thick1/Thick5	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Thick1/Thick5 Curl Correction.		
006	CorJ:Uncoated:Thick2/Thick6	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Thick2/Thick6 Curl Correction.		
007	CorJ:Uncoated:Thick3/Thick7	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Thick3/Thick7 Curl Correction.		
008	CorJ:Uncoated:Thick4/Thick8	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Thick4/Thick8 Curl Correction.		
009	CorJ:Uncoated:Envelope	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Envelope Curl Correction.		
010	CorJ:Uncoated:Postcard	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Uncoated:Postcard Curl Correction.		

011	CorJ:Sp1:Matte:Thin/Thick1	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Thin/Thick1 Curl Correction.		
012	CorJ:Sp1:Matte:Plain1/Thick2	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Plain1/Thick2 Curl Correction.		
013	CorJ:Sp1:Matte:Plain2/Thick3	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Plain2/Thick3 Curl Correction.		
014	CorJ:Sp1:Matte:MidThick/Thick4	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:MidThick/Thick4 Curl Correction.		
015	CorJ:Sp1:Matte:Thick1/Thick5	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Thick1/Thick5 Curl Correction.		
016	CorJ:Sp1:Matte:Thick2/Thick6	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Thick2/Thick6 Curl Correction.		

017	CorJ:Sp1:Matte:Thick3/Thick7	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Thick3/Thick7 Curl Correction.		
018	CorJ:Sp1:Matte:Thick4/Thick8	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp1:Matte:Thick4/Thick8 Curl Correction.		
021	CorJ:Sp2:Gloss:Thin:Thick1	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Thin:Thick1 Curl Correction.		
022	CorJ:Sp2:Gloss:Plain1:Thick2	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Plain1:Thick2 Curl Correction.		
023	CorJ:Sp2:Gloss:Plain2:Thick3	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Plain2:Thick3 Curl Correction.		
024	CorJ:Sp2:Gloss:MidThick:Thick4	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:MidThick:Thick4 Curl Correction.		

025	CorJ:Sp2:Gloss:Thick1:Thick5	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Thick1:Thick5 Curl Correction.		
026	CorJ:Sp2:Gloss:Thick2:Thick6	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Thick2:Thick6 Curl Correction.		
027	CorJ:Sp2:Gloss:Thick3:Thick7	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Thick3:Thick7 Curl Correction.		
028	CorJ:Sp2:Gloss:Thick4:Thick8	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Executes Curl Correction application judgment on Sp2:Gloss:Thick4:Thick8 Curl Correction.		
031	Tmp:D1:Uncoated:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:ThinThick1 is applied.		
032	Tmp:D1:Uncoated:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Plain1Thick2 is applied.		
033	Tmp:D1:Uncoated:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Plain2Thick3 is applied.		
034	Tmp:D1:Uncoated:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]

	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:MidThickThick4 is applied.		
035	Tmp:D1:Uncoated:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick1Thick5 is applied.		
036	Tmp:D1:Uncoated:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick2Thick6 is applied.		
037	Tmp:D1:Uncoated:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick3Thick7 is applied.		
038	Tmp:D1:Uncoated:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick4Thick8 is applied.		
039	Tmp:D1:Uncoated:Envelope	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Envelope is applied.		
040	Tmp:D1:Uncoated:Postcard	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Postcard is applied.		
041	Tmp:D1:Sp1Matte:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:ThinThick1 is applied.		
042	Tmp:D1:Sp1Matte:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Plain1Thick2 is applied.		
043	Tmp:D1:Sp1Matte:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Plain2Thick3 is applied.		

044	Tmp:D1:Sp1Matte:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:MidThickThick4 is applied.		
045	Tmp:D1:Sp1Matte:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Thick1Thick5 is applied.		
046	Tmp:D1:Sp1Matte:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Thick2Thick6 is applied.		
047	Tmp:D1:Sp1Matte:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Thick3Thick7 is applied.		
048	Tmp:D1:Sp1Matte:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1Matte:Thick4Thick8 is applied.		
051	Tmp:D1:Sp2Gloss:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:ThinThick1 is applied.		
052	Tmp:D1:Sp2Gloss:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Plain1Thick2 is applied.		
053	Tmp:D1:Sp2Gloss:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Plain2Thick3 is applied.		
054	Tmp:D1:Sp2Gloss:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:MidThickThick4 is applied.		
055	Tmp:D1:Sp2Gloss:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]

	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Thick1Thick5 is applied.		
056	Tmp:D1:Sp2Gloss:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Thick2Thick6 is applied.		
057	Tmp:D1:Sp2Gloss:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Thick3Thick7 is applied.		
058	Tmp:D1:Sp2Gloss:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2Gloss:Thick4Thick8 is applied.		
061	CPM1:Uncoated:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thin/Thick1 is applied.		
062	CPM1:Uncoated:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Plain1/Thick2 is applied.		
063	CPM1:Uncoated:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Plain2/Thick3 is applied.		
064	CPM1:Uncoated:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:MidThick/Thick4 is applied.		
065	CPM1:Uncoated:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick1/Thick5 is applied.		
066	CPM1:Uncoated:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick2/Thick6 is applied.		

067	CPM1:Uncoated:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick3/Thick7 is applied.		
068	CPM1:Uncoated:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Thick4/Thick8 is applied.		
069	CPM1:Uncoated:Envelope	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Envelope is applied.		
070	CPM1:Uncoated:Postcard	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Uncoated:Postcard is applied.		
071	CPM1:Sp1/Matte:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Thin/Thick1 is applied.		
072	CPM1:Sp1/Matte:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Plain1/Thick2 is applied.		
073	CPM1:Sp1/Matte:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Plain2/Thick3 is applied.		
074	CPM1:Sp1/Matte:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:MidThick/Thick4 is applied.		
075	CPM1:Sp1/Matte:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Thick1/Thick5 is applied.		
076	CPM1:Sp1/Matte:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]

	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Thick2/Thick6 is applied.		
077	CPM1:Sp1/Matte:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Thick3/Thick7 is applied.		
078	CPM1:Sp1/Matte:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp1/Matte:Thick4/Thick8 is applied.		
081	CPM1:Sp2/Gloss:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Thin/Thick1 is applied.		
082	CPM1:Sp2/Gloss:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Plain1/Thick2 is applied.		
083	CPM1:Sp2/Gloss:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Plain2/Thick3 is applied.		
084	CPM1:Sp2/Gloss:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:MidThick/Thick4 is applied.		
085	CPM1:Sp2/Gloss:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Thick1/Thick5 is applied.		
086	CPM1:Sp2/Gloss:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Thick2/Thick6 is applied.		
087	CPM1:Sp2/Gloss:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Thick3/Thick7 is applied.		

088	CPM1:Sp2/Gloss:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for M-humid (65 to 85%) when the Curl Correction mode for Sp2/Gloss:Thick4/Thick8 is applied.		
091	Tmp:D2:Uncoated:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:ThinThick1 is applied.		
092	Tmp:D2:Uncoated:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Plain1Thick2 is applied.		
093	Tmp:D2:Uncoated:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Plain2Thick3 is applied.		
094	Tmp:D2:Uncoated:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:MidThickThick4 is applied.		
095	Tmp:D2:Uncoated:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick1Thick5 is applied.		
096	Tmp:D2:Uncoated:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick2Thick6 is applied.		
097	Tmp:D2:Uncoated:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick3Thick7 is applied.		
098	Tmp:D2:Uncoated:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick4Thick8 is applied.		
099	Tmp:D2:Uncoated:Envelope	*ENG	[0 to 100 / **0** / 1deg/step]

	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Envelope is applied.		
100	Tmp:D2:Uncoated:Postcard	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Postcard is applied.		
101	Tmp:D2:Sp1Matte:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:ThinThick1 is applied.		
102	Tmp:D2:Sp1Matte:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Plain1Thick2 is applied.		
103	Tmp:D2:Sp1Matte:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Plain2Thick3 is applied.		
104	Tmp:D2:Sp1Matte:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:MidThickThick4 is applied.		
105	Tmp:D2:Sp1Matte:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Thick1Thick5 is applied.		
106	Tmp:D2:Sp1Matte:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Thick2Thick6 is applied.		
107	Tmp:D2:Sp1Matte:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Thick3Thick7 is applied.		
108	Tmp:D2:Sp1Matte:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1Matte:Thick4Thick8 is applied.		

111	Tmp:D2:Sp2Gloss:ThinThick1	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:ThinThick1 is applied.		
112	Tmp:D2:Sp2Gloss:Plain1Thick2	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Plain1Thick2 is applied.		
113	Tmp:D2:Sp2Gloss:Plain2Thick3	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Plain2Thick3 is applied.		
114	Tmp:D2:Sp2Gloss:MidThickThick4	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:MidThickThick4 is applied.		
115	Tmp:D2:Sp2Gloss:Thick1Thick5	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Thick1Thick5 is applied.		
116	Tmp:D2:Sp2Gloss:Thick2Thick6	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Thick2Thick6 is applied.		
117	Tmp:D2:Sp2Gloss:Thick3Thick7	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Thick3Thick7 is applied.		
118	Tmp:D2:Sp2Gloss:Thick4Thick8	*ENG	[0 to 100 / **0** / 1deg/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2Gloss:Thick4Thick8 is applied.		
121	CPM2:Uncoated:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thin/Thick1 is applied.		
122	CPM2:Uncoated:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]

	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Plain1/Thick2 is applied.		
123	CPM2:Uncoated:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Plain2/Thick3 is applied.		
124	CPM2:Uncoated:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:MidThick/Thick4 is applied.		
125	CPM2:Uncoated:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick1/Thick5 is applied.		
126	CPM2:Uncoated:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick2/Thick6 is applied.		
127	CPM2:Uncoated:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick3/Thick7 is applied.		
128	CPM2:Uncoated:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Thick4/Thick8 is applied.		
129	CPM2:Uncoated:Envelope	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Envelope is applied.		
130	CPM2:Uncoated:Postcard	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Uncoated:Postcard is applied.		
131	CPM2:Sp1/Matte:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Thin/Thick1 is applied.		

132	CPM2:Sp1/Matte:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Plain1/Thick2 is applied.		
133	CPM2:Sp1/Matte:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]
	humid (85% or more) when the Curl Correction mode for Sp1/Matte:Plain2/Thick3 is applied.		
134	CPM2:Sp1/Matte:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:MidThick/Thick4 is applied.		
135	CPM2:Sp1/Matte:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Thick1/Thick5 is applied.		
136	CPM2:Sp1/Matte:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Thick2/Thick6 is applied.		
137	CPM2:Sp1/Matte:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Thick2/Thick6 is applied.		
138	CPM2:Sp1/Matte:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp1/Matte:Thick4/Thick8 is applied.		
141	CPM2:Sp2/Gloss:Thin/Thick1	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Thin/Thick1 is applied.		
142	CPM2:Sp2/Gloss:Plain1/Thick2	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Plain1/Thick2 is applied.		
143	CPM2:Sp2/Gloss:Plain2/Thick3	*ENG	[25 to 100 / **100** / 1%/step]

	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Plain2/Thick3 is applied.		
144	CPM2:Sp2/Gloss:MidThick/Thick4	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:MidThick/Thick4 is applied.		
145	CPM2:Sp2/Gloss:Thick1/Thick5	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Thick1/Thick5 is applied.		
146	CPM2:Sp2/Gloss:Thick2/Thick6	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Thick2/Thick6 is applied.		
147	CPM2:Sp2/Gloss:Thick3/Thick7	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Thick3/Thick7 is applied.		
148	CPM2:Sp2/Gloss:Thick4/Thick8	*ENG	[25 to 100 / **100** / 1%/step]
	Sets the Target Temp. Correction difference value for H-humid (85% or more) when the Curl Correction mode for Sp2/Gloss:Thick4/Thick8 is applied.		
150	Humidity:Threshold:M-humid	*ENG	[0 to 100 / **65** / 1%/step]
	Sets Humidity Threshold applying applying Curl Correction CPM1 (M-humid).		
151	Humidity:Threshold:H-humid	*ENG	[0 to 100 / **85** / 1%/step]
	Sets Humidity Threshold applying applying Curl Correction CPM2 (H-humid).		

1114	**[Heat Storage Status]**		
001	Temp.:Threshold:Fusing	*ENG	[0 to 200 / **45(Pro a, Pro b)** / 1deg/step]
	Sets Press Temp. Threshold judging Heat Storage Status.		
002	Temp.:Threshold:Atmosphere	*ENG	[0 to 200 / **60** / 1deg/step]
	Sets Fusing Atmosphere Temp. Threshold judging Heat Storage Status.		

1115	[Target Temp. Correction]		
001	Temp:Delta:Heat:End	*ENG	[-50 to 100 / **0** / 1deg/step]
	Sets Target Temp. Delta for Heat Center and Heat End.		
002	Temp:Delta:Press:End	*ENG	[-50 to 100 / **0** / 1deg/step]
	Sets Target Temp. Delta for Press Center and Press End.		
011	Temp:Delta:Heat:End:BW2	*ENG	[-50 to 100 / **0** / 1deg/step]
	Sets Target Temp. Delta for Heat Center and Heat End BW2.		
012	Temp:Delta:Press:End:BW2	*ENG	[-50 to 100 / **0** / 1deg/step]
	Sets Target Temp. Delta for Press Center and Press End BW2.		

1116	[Heat Storage FB Correction]		
001	Execution Mode	*ENG	[0 to 2 / **0** / 1/step]
	Selects Execution Mode for Heat Storage FB Control.		
011	Time Out	*ENG	[0 to 500 / **5** / 1sec/step]
	Sets time for Feed Start to Temp. Correction.		
021	Delay:Standard Speed:FC:1	*ENG	[0 to 20000 / **3500** / 1ms/step]
	Time until acquiring Press Temp. from F GATE, Standard Speed:FC:1		
022	Delay:Standard Speed:BW:1	*ENG	[0 to 20000 / **1400** / 1ms/step]
	Time until acquiring Press Temp. from F GATE, Standard Speed:BW:1		
031	Delay:Standard Speed:FC:2	*ENG	[0 to 20000 / **3500** / 1ms/step]
	Time until acquiring Press Temp. from F GATE, Standard Speed:FC:2		
032	Delay:Standard Speed:BW:2	*ENG	[0 to 20000 / **1400** / 1ms/step]
	Time until acquiring Press Temp. from F GATE, Standard Speed:BW:2		
041	PressStdTemp:Bk:Normal	*ENG	[0 to 200 / **80** / 1deg/step]
	Press Temp. for calculating Temp. Correction values.		
042	PressStdTemp:Bk:Lv1	*ENG	[0 to 200 / **0** / 1deg/step]

	Temp. Correction Lower Limit		
043	PressStdTemp:Bk:Lv2	*ENG	[0 to 200 / **0** / 1deg/step]
	Temp. Correction Upper Limit		
044	Temp. Correction Lower Limit	*ENG	[-30 to 0 / **0** / 1deg/step]
	Sets Correction Lower Limit for Heat Storage FB Control.		
045	Temp. Correction Upper Limit	*ENG	[0 to 30 / **0** / 1deg/step]
	Sets Correction Upper Limit for Heat Storage FB Control.		
051	PaperThickCoef:Plain:Plain1	*ENG	[0 to 100 / **0** / 1/step]
	Coefficient for calculating Temp. Correction values. Plain1		
052	PaperThickCoef:Plain:Plain2	*ENG	[0 to 100 / **0** / 1/step]
	Coefficient for calculating Temp. Correction values. Plain2		

1117	**[Time Correction]**		
001	Control Time 1	*ENG	[0 to 1000 / **0** / 1 sec/step]
	Sets time for applying temp. correction of first stage Fusing targer temp. when repeat feeding.		
002	Control Time 2	*ENG	[0 to 1000 / **100** / 1 sec/step]
	Sets time for applying temp. correction of second stage Fusing targer temp. when repeat feeding.		
003	Temp:A:Center:1	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern A: Sets the 1st stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
005	Temp:A:Center:2	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern A: Sets the 2nd stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
007	Temp:B:Center:1	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern B: Sets the 1st stage Temp. Correction for Fusing Target Temp. when repeat feeding.		

009	Temp:B:Center:2	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern B: Sets the 2nd stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
011	Temp:C:Center:1	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern C: Sets the 1st stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
013	Temp:C:Center:2	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern C: Sets the 2nd stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
015	Temp:D:Center:1	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern D: Sets the 1st stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
017	Temp:D:Center:2	*ENG	[-100 to 100 / **0** / 1 deg/step]
	Pattern D: Sets the 2nd stage Temp. Correction for Fusing Target Temp. when repeat feeding.		
100	Div1:Thin/Thick1	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Thin/Thick1 paper whose width is 262 mm or less		
101	Div1:Plain1/Thick2	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Plain1/Thick2 paper whose width is 262 mm or less		
102	Div1:Plain2/Thick3	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Plain2/Thick3 paper whose width is 262 mm or less		
103	Div1:MidThick/Thick4	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the MidThick/Thick4 paper whose width is 262 mm or less		
104	Div1:Thick1/Thick5	*ENG	[1 to 4 / **1** / 1/step]

	Div1: Selecting Temp. Correction when repeat feeding the Thick1/Thick5 paper whose width is 262 mm or less		
105	Div1:Thick2/Thick6	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Thick2/Thick6 paper whose width is 262 mm or less		
106	Div1:Thick3/Thick7	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Thick3/Thick7 paper whose width is 262 mm or less		
107	Div1:Thick4/Thick8	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Thick4/Thick8 paper whose width is 262 mm or less		
108	Div1:Envelope	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Envelope whose width is 262 mm or less		
109	Div1:OHP	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the OHP whose width is 262 mm or less		
110	Div1:Postcard	*ENG	[1 to 4 / **1** / 1/step]
	Div1: Selecting Temp. Correction when repeat feeding the Postcard whose width is 262 mm or less		
120	Div2:Thin/Thick1	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Thin/Thick1 paper whose width is less than 262 - 292 mm		
121	Div2:Plain1/Thick2	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Plain1/Thick2 paper whose width is less than 262 - 292 mm		
122	Div2:Plain2/Thick3	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Plain2/Thick3 paper whose width is less than 262 - 292 mm		

123	Div2:MidThick/Thick4	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the MidThick/Thick4 paper whose width is less than 262 - 292 mm		
124	Div2:Thick1/Thick5	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Thick1/Thick5 paper whose width is less than 262 - 292 mm		
125	Div2:Thick2/Thick6	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Thick2/Thick6 paper whose width is less than 262 - 292 mm		
126	Div2:Thick3/Thick7	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Thick3/Thick7 paper whose width is less than 262 - 292 mm		
127	Div2:Thick4/Thick8	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the Thick4/Thick8 paper whose width is less than 262 - 292 mm		
129	Div2:OHP	*ENG	[1 to 4 / **1** / 1/step]
	Div2: Selecting Temp. Correction when repeat feeding the OHP whose width is less than 262 - 292 mm		
130	Div3:Thin/Thick1	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Thin/Thick1 paper whose width is less than 292 - 311mm		
131	Div3:Plain1/Thick2	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Plain1/Thick2 paper whose width is less than 292 - 311mm		
132	Div3:Plain2/Thick3	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Plain2/Thick3 paper whose width is less than 292 - 311mm		
133	Div3:MidThick/Thick4	*ENG	[1 to 4 / **1** / 1/step]

	Div3: Selecting Temp. Correction when repeat feeding the MidThick/Thick4 paper whose width is less than 292 - 311mm		
134	Div3:Thick1/Thick5	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Thick1/Thick5 paper whose width is less than 292 - 311mm		
135	Div3:Thick2/Thick6	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Thick2/Thick6 paper whose width is less than 292 - 311mm		
136	Div3:Thick3/Thick7	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Thick3/Thick7 paper whose width is less than 292 - 311mm		
137	Div3:Thick4/Thick8	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the Thick4/Thick8 paper whose width is less than 292 - 311mm		
139	Div3:OHP	*ENG	[1 to 4 / **1** / 1/step]
	Div3: Selecting Temp. Correction when repeat feeding the OHP whose width is less than 292 - 311mm		
140	Div4:Thin/Thick1	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Thin/Thick1 paper whose width is less than 311 - 324mm		
141	Div4:Plain1/Thick2	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Plain1/Thick2 paper whose width is less than 311 - 324mm		
142	Div4:Plain2/Thick3	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Plain2/Thick3 paper whose width is less than 311 - 324mm		
143	Div4:MidThick/Thick4	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the MidThick/Thick4 paper whose width is less than 311 - 324mm		

144	Div4:Thick1/Thick5	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Thick1/Thick5 paper whose width is less than 311 - 324mm		
145	Div4:Thick2/Thick6	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Thick2/Thick6 paper whose width is less than 311 - 324mm		
146	Div4:Thick3/Thick7	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Thick3/Thick7 paper whose width is less than 311 - 324mm		
147	Div4:Thick4/Thick8	*ENG	[1 to 4 / **1** / 1/step]
	Div4: Selecting Temp. Correction when repeat feeding the Thick4/Thick8 paper whose width is less than 311 - 324mm		
150	Div5:Thin/Thick1	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Thin/Thick1 paper whose width is 324mm or more		
151	Div5:Plain1/Thick2	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Plain1/Thick2 paper whose width is 324mm or more		
152	Div5:Plain2/Thick3	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Plain2/Thick3 paper whose width is 324mm or more		
153	Div5:MidThick/Thick4	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the MidThick/Thick4 paper whose width is 324mm or more		
154	Div5:Thick1/Thick5	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Thick1/Thick5 paper whose width is 324mm or more		
155	Div5:Thick2/Thick6	*ENG	[1 to 4 / **1** / 1/step]

	Div5: Selecting Temp. Correction when repeat feeding the Thick2/Thick6 paper whose width is 324mm or more		
156	Div5:Thick3/Thick7	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Thick3/Thick7 paper whose width is 324mm or more		
157	Div5:Thick4/Thick8	*ENG	[1 to 4 / **1** / 1/step]
	Div5: Selecting Temp. Correction when repeat feeding the Thick4/Thick8 paper whose width is 324mm or more		

1118	**[Job:Init Temp Calc1]**		
001	Continuous Time1:Std Spd	*ENG	[0.0 to 50.0 / **0.5** / 0.1sec/step]
	Process Speed: Sets Continuous Time for Job:Init Temp Calc1 from Feed Start for Std Spd.		
002	Continuous Time1:Mid Spd	*ENG	[0.0 to 50.0 / **1.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time for Job:Init Temp Calc1 from Feed Start for Mid Spd.		
003	Continuous Time1:MidLow Spd	*ENG	[0.0 to 50.0 / **1.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time for Job:Init Temp Calc1 from Feed Start for MidLow Spd.		
004	Continuous Time1:Low Spd	*ENG	[0.0 to 50.0 / **1.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time for Job:Init Temp Calc1 from Feed Start for Low Spd.		
011	Added Temp1:Thin/Thick1	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Thin/Thick1.		
012	Added Temp1:Plain1/Thick2	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Plain1/Thick2.		
013	Added Temp1:Plain2/Thick3	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Plain2/Thick3.		

014	Added Temp1:MidThick/Thick4	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for MidThick/Thick4.		
015	Added Temp1:Thick1/Thick5	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for MidThick/Thick5.		
016	Added Temp1:Thick2/Thick6	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Thick2/Thick6.		
017	Added Temp1:Thick3/Thick7	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Thick3/Thick7.		
018	Added Temp1:Thick4/Thick8	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Thick4/Thick8.		
019	Added Temp1:Envelope	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Envelope.		
020	Added Temp1:OHP	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for OHP.		
021	Added Temp1:Postcard	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Postcard.		
022	Added Temp:Thickness 5:L speed	*ENG	[0 to 30 / **5** / 1 deg/step]
	Thickness 5: Sets Job:Init Temp Calc1 for L speed.		
023	Added Temp:Thickness 6:L speed	*ENG	[0 to 30 / **5** / 1 deg/step]
	Thickness 6: Sets Job:Init Temp Calc1 for L speed.		
024	Added Temp:Glossy	*ENG	[0 to 30 / **5** / 1 deg/step]
	Sets Job:Init Temp Calc1 for Glossy.		

1119	**[Job:Init Temp Calc2]**

001	Start Time:Std Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process speed: Sets waiting time for Standard Speed's start writing signal to initial feeding addition tempture 2.		
002	Start Time:Std Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process speed: Sets waiting time for Middle Speed's start writing signal to initial feeding addition tempture 2.		
003	Start Time2:MidLow Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process speed: Sets waiting time for Middle low Speed's start writing signal to initial feeding addition tempture 2.		
004	Start Time2:Low Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process speed: Sets waiting time for Low Speed's start writing signal to initial feeding addition tempture 2.		
005	Continuous Time2:Std Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time2 for Job:Init Temp Calc2 from Start Time2 for Std Spd.		
006	Continuous Time2:Mid Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time2 for Job:Init Temp Calc2 from Start Time2 for Mid Spd.		
007	Continuous Time2:MidLow Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time2 for Job:Init Temp Calc2 from Start Time2 for MidLow Spd.		
008	Continuous Time2:Low Spd	*ENG	[0.0 to 50.0 / **0.0** / 0.1sec/step]
	Process Speed: Sets Continuous Time2 for Job:Init Temp Calc2 from Start Time2 for Low Spd.		
011	Added Temp2:Thin/Thick1	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Thin/Thick1.		
012	Added Temp2:Plain1/Thick2	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Plain1/Thick2.		

013	Added Temp2:Plain2/Thick3	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Plain2/Thick3.		
014	Added Temp2:MidThick/Thick4	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for MidThick/Thick4.		
015	Added Temp2:Thick1/Thick5	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Thick1/Thick5.		
016	Added Temp2:Thick2/Thick6	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Thick2/Thick6.		
017	Added Temp2:Thick3/Thick7	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Thick3/Thick7.		
018	Added Temp2:Thick4/Thick8	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Thick4/Thick8.		
019	Added Temp2:OHP	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Envelope.		
020	Added Temp2:OHP	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for OHP.		
021	Added Temp2:Postcard	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Postcard.		
022	Added Temp:Thickness 5:L speed	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Thickness 5: Sets Job:Init Temp Calc2 for L speed.		
023	Added Temp:Thickness 6:L speed	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Thickness 6: Sets Job:Init Temp Calc2 for L speed.		
024	Added Temp:Glossy	*ENG	[0 to 30 / **0.0** / 1 deg/step]
	Sets Job:Init Temp Calc2 for Glossy.		

1121	**[Switch:Rotation Start/Stop]**		
001	Time:After Reload	*ENG	[0 to 999 / **60** / 1 sec/step]
	Time between Reload and standby		
002	Time:After Recovery	*ENG	[0 to 100 / **15** / 1 sec/step]
	Shift to standby: Changing the time for timeout until Pressure Release starts		
003	Time:After Job	*ENG	[0 to 100 / **0** / 1 sec/step]
	Time between Feed and standby		
004	Press Temp.:After Reload	*ENG	[0 to 160 / **160** / 1deg/step]
	Press Threshold for applying time to switch from reload to stanby.		
005	End Temp.:After Job:B4	*ENG	[0 to 250 / **200** / 1deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (LTT < Feed Width ≤ B4T)		
006	End Temp.:After Job:B5	*ENG	[0 to 250 / **185** / 1deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (A5T < Feed Width ≤ LTT)		
007	End Temp.:After Job:A5	*ENG	[0 to 250 / **170** / 1deg/step]
	End Rotation Start Temp. for Soaking Rotary after Job (Feed Width ≤ A5T)		
008	Overshoot Prevent Temp.	*ENG	[0 to 250 / **220** / 1deg/step]
	Temperature which starts rotation for preventing Overshoot Temp		
009	Overshoot Prevent Time	*ENG	[0 to 100 / **10** / 1 sec/step]
	Time which continues rotation for preventing Overshoot Temp		

3.3 SP1-123 TO 950 (FEED)

1123	**[Rotation Speed Setting]**		
001	WarmupHeat/Rotate After Reload	*ENG	[0 to 4 / **0** / 1/step]
	Sets WarmupHeat/Rotate After Reload.		
002	Before Job	*ENG	[0 to 5 / **5** / 1/step]
	Sets Rotation Speed Setting before Job.		

1124	**[CPM Down Setting]**		
	Set tempture to deside CPM is down.		
001	Low:Down Temp.	*ENG	[-50 to 0 / **-15** / 1deg/step]
	Difference value of CPM Down Setting and Target Temp.		
002	Low:Up Temp.	*ENG	[-50 to 0 / **-10** / 1deg/step]
	Difference value of CPM Up Setting and Target Temp.		
003	Low:1st CPM	*ENG	[10 to 100 / **80** / 1%/step]
	Settings for temperature decrease CPM Down Setting percentage1		
004	Low:2nd CPM	*ENG	[10 to 100 / **65** / 1%/step]
	Settings for temperature decrease CPM Down Setting percentage2		
005	Low:3rd CPM	*ENG	[10 to 100 / **50** / 1%/step]
	Settings for temperature decrease CPM Down Setting percentage3		
006	High:1st CPM	*ENG	[10 to 100 / **80** / 1%/step]
	Settings for temperature increase CPM Down Setting percentage1		
007	High:2nd CPM	*ENG	[10 to 100 / **65** / 1%/step]
	Settings for temperature increase CPM Down Setting percentage2		
008	High:3rd CPM	*ENG	[10 to 100 / **50** / 1%/step]

	Settings for temperature increase CPM Down Setting percentage3		
012	High:1st CPM Down Temp.:A4	*ENG	[0 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.:A4		
013	High:2nd CPM Down Temp.:A4	*ENG	[0 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.:A4		
014	High:3rd CPM Down Temp.:A4	*ENG	[0 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.:A4		
015	High:1st CPM Down Temp.:A5	*ENG	[0 to 250 / **180** / 1deg/step]
	High:1st CPM Down Temp.:A5		
016	High:2nd CPM Down Temp.:A5	*ENG	[0 to 250 / **185** / 1deg/step]
	High:2nd CPM Down Temp.:A5		
017	High:3rd CPM Down Temp.:A5	*ENG	[0 to 250 / **190** / 1deg/step]
	High:3rd CPM Down Temp.:A5		
021	Judging Interval	*ENG	[1 to 250 / **10** / 1 sec/step]
	Sets the waiting time for switching CPM.		
030	Init CPM Down: Std Spd	*ENG	[1 to 250 / **10** / 1 sec/step]
	Sets the valid time for Init CPM Down: Std Spd.		
031	Init CPM Down: Mid Spd	*ENG	[1 to 250 / **10** / 1 sec/step]
	Sets the valid time for Init CPM Down: Mid Spd.		
032	Init CPM Down: MidLow Spd	*ENG	[1 to 250 / **10** / 1 sec/step]
	Sets the valid time for Init CPM Down: MidLow Spd.		
033	Init CPM Down: Low Spd	*ENG	[1 to 250 / **10** / 1 sec/step]

	Sets the valid time for Init CPM Down: Low Spd.		
101	High:1st CPM Down Temp.:Div1	*ENG	[100 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.: 216mm < Feed Width ≤ 262mm		
102	High:2nd Down Temp.:Div1	*ENG	[100 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.: 216mm < Feed Width ≤ 262mm		
103	High:3rd Down Temp.:Div1	*ENG	[100 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.: 216mm < Feed Width ≤ 262mm		
111	High:1st CPM Down Temp.:Div2	*ENG	[100 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.: 262mm < Feed Width ≤ 292mm		
112	High:2nd Down Temp.:Div2	*ENG	[100 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.: 262mm < Feed Width ≤ 292mm		
113	High:3rd Down Temp.:Div2	*ENG	[100 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.: 262mm < Feed Width ≤ 292mm		
121	High:1st CPM Down Temp.:Div3	*ENG	[100 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.: 292mm < Feed Width ≤ 311mm		
122	High:2nd Down Temp.:Div3	*ENG	[100 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.: 292mm < Feed Width ≤ 311mm		
123	High:3rd Down Temp.:Div3	*ENG	[100 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.: 292mm < Feed Width ≤ 311mm		
131	High:1st CPM Down Temp.:Div4	*ENG	[100 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.: 311mm < Feed Width ≤ 324mm		
132	High:2nd Down Temp.:Div4	*ENG	[100 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.: 311mm < Feed Width ≤ 324mm		

133	High:3rd Down Temp.:Div4	*ENG	[100 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.: 311mm < Feed Width ≤ 324mm		
141	High:1st CPM Down Temp.:Div5	*ENG	[100 to 250 / **220** / 1deg/step]
	High:1st CPM Down Temp.: Feed Width < 324mm		
142	High:2nd Down Temp.:Div5	*ENG	[100 to 250 / **230** / 1deg/step]
	High:2nd CPM Down Temp.: Feed Width < 324mm		
143	High:3rd Down Temp.:Div5	*ENG	[100 to 250 / **240** / 1deg/step]
	High:3rd CPM Down Temp.: Feed Width < 324mm		

1127	[Energy Saving PprFeed Judgment]		
001	Judging Method Change	ENG	[0 or 1 / **1** / 1/step] 0:OFF, 1:ON
	Sets whether to apply Energy Saving Judgment.		
002	Temp.: Threshold: Press	ENG	[0 to 200 / **45** / 1deg/step]
	Sets Press Roller Temp. Threshold executing Energy Saving PprFeed Judgment when restarting.		
003	Temp.: Threshold: Atmosphere	ENG	[0 to 200 / **60** / 1deg/step]
	Sets Atmosphere Temp. Threshold executing Energy Saving PprFeed Judgment when restarting.		
004	Power Supply Voltage: Lower	ENG	[0 to 300 / **208(EU, ASIA, CHN, KOR), 94(TW)** / 1V/step]
	Sets Lower Power Supply Voltage applying Energy Saving PprFeed Judgment.		
005	Power Supply Voltage: Upper	ENG	[0 to 300 / **264(CHN, KOR)** / 1V/step]
	Sets Upper Power Supply Voltage applying Energy Saving PprFeed Judgment.		
006	Judgment Time-Out	ENG	[0 to 10 / **2.0** / 0.1sec/step]
	Exits Energy Saving PprFeed Judgment in case that feeding does not start within Judgment Time-Out after Reload on Energy Saving PprFeed Judgment.		

1131	**[Continuous Print Mode Switch]**		
	Sets condition for to allow paper feed when printing continuously		
001	Feed Permit Condition	*ENG	[0 or 1 / **0** / 1/step] 0: Fusing Priority 1: Productivity Priority
	0(default): When paper size changes; wait till fuse temputure becomes stable. 1: Productivity priority. Picture quality will be good as product specification.		

1132	**[Maximum Duty Switch]**		
001	Control Method Switch	*ENG	[0 or 1 / **1** / 1/step]
	Switches maximum fixed duty and power control.		
003	Power Offset	*ENG	[0 to 8 / **4** / 1/step] 0: +400W 1: +300W 2: +200W 3: +100W 4: 0W 5: -100W 6: -200W 7: -300W 8: -400W
	Maximum Duty Offset value		

1133	[Fusing Belt Smoothing Roller]		
001	Auto Control Method Switch	ENG	[0 to 2 / **0** / 1/step]
	Selects operating conditions in Auto execution mode for Fusing Refresh Roller Setting.		
020	Operation Intervals:a	ENG	[0 to 600000 / **0** / 1page/step]
	Sets Operation Intervals:a on Auto execution condition for Fusing Refresh Roller Setting.		
021	Operation Intervals:b	ENG	[0 to 600000 / **0** / 1page/step]
	Sets Operation Intervals:b on Auto execution condition for Fusing Refresh Roller Setting.		
040	Fixed Operation Time	ENG	[0 to 60000 / **0** / 1sec/step]
	Sets Fixed Operation Time values in Auto execution mode for Fusing Refresh Roller Setting.		
041	Coefficient:F	ENG	[-30000 to 30000 / **0** / 1/step]
	Sets Operation Time Coefficient in Auto execution mode for Fusing Refresh Roller Setting.		
042	Coefficient:G	ENG	[-30000 to 30000 / **0** / 1/step]
	Sets Operation Time Coefficient in Auto execution mode for Fusing Refresh Roller Setting.		
043	Coefficient:H	ENG	[-30000 to 30000 / **0** / 1/step]
	Sets Operation Time Coefficient in Auto execution mode for Fusing Refresh Roller Setting.		
101	Fusing Speed	ENG	[0 to 5 / **4** / 1/step]
	Sets Fusing Speed when operating Fusing Refresh Roller.		
102	Htg Roller Temp Setting	ENG	[0 to 20 / **90** / 1deg/step]
	Sets Fusing Temp. (Heat Center Sensor) when operating Fusing Refresh Roller.		

103	Press Roller Temp Setting	ENG	[0 to 20 / **90** / 1deg/step]
	Sets Fusing Temp. (Press Center Sensor) when operating Fusing Refresh Roller.		
104	Fusing Pressure Position	ENG	[0 to 3 / **3** / 1/step]
	Sets Fusing Press level when operating Fusing Refresh Roller.		
105	Smoothing Roller:Prs Position	ENG	[0 to 2 / **2** / 1/step]
	Sets Refresh Roller Press level when operating Fusing Refresh Roller.		
106	Smoothing Roller:Speed	ENG	[0 to 2 / **0** / 1/step]
	Sets Refresh Roller Speed when operating Fusing Refresh Roller.		
110	Manual Smoothing:Exe	ENG	[0 or 1 / **0** / 1/step]
	Executes forcibly Fusing Refresh Roller operation.		
120	Fixed Operation Time:Manual	ENG	[0 to 60000 / **180** / 1sec/step]
	Sets Fixed Operation Time values in Forced execution mode for Fusing Refresh Roller Setting.		
130	Total Operation Time	ENG	[0 to 6000000 / **0** / 1sec/step]
	Counts Total Operation Time for Fusing Refresh Roller operation.		
131	Near End Setting	ENG	[0 to 6000000 / **16920** / 1sec/step]
	Sets Refresh Near End Setting time.		
132	End Setting	ENG	[0 to 6000000 / **18000** / 1sec/step]
	Sets Refresh End Setting time.		
150	Operation time before interruption	ENG	[0 to 60000 / **0** / 1sec/step]
	Saves Refresh Operation time before interruption if Refresh Operation is interrupted.		
160	Pressure Time1	ENG	[0 to 5000 / **234** / 1 msec/step]
	Sets time for [High Detection->Pressure1] for Fusing Refresh Roller.		

161	Pressure Time2	ENG	[0 to 5000 / **275** / 1 msec/step]
	Sets time for [High Detection->Pressure2] for Fusing Refresh Roller.		
162	Pressure Time3	ENG	[0 to 5000 / **1470** / 1 msec/step]
	Sets time for [High Detection->Pressure3] for Fusing Refresh Roller.		
170	Depressure Time	ENG	[0 to 5000 / **12** / 1 msec/step]
	Sets time for [Low Detection->Depressure3] for Fusing Refresh Roller.		
201	Page Cnt Category1	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category1 (Print Width ≤ 15mm)		
202	Page Cnt Category2	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category2 (15mm < Print Width ≤ 140mm)		
203	Page Cnt Category3	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category3 (140mm < Print Width ≤ 170mm)		
204	Page Cnt Category4	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category4 (170mm < Print Width ≤ 209.9mm)		
205	Page Cnt Category5	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category5 (209.9mm < Print Width ≤ 224.9mm)		
206	Page Cnt Category6	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category6 (224.9mm < Print Width ≤ 254mm)		
207	Page Cnt Category7	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category7 (254mm < Print Width ≤ 270mm)		
208	Page Cnt Category8	ENG	[0 to 600000 / **0** / 1page/step]

	Counts Total Paper Counter for Paper Width Category8 (270mm < Print Width ≤ 296.9mm)		
209	Page Cnt Category9	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category9 (296.9mm < Print Width ≤ 300mm)		
210	Page Cnt Category10	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category1 (300mm < Print Width ≤ 305mm)		
211	Page Cnt Category11	ENG	[0 to 600000 / **0** / 1page/step]
	Counts Total Paper Counter for Paper Width Category11 (305mm < Print Width ≤ 324mm)		

1134	**[Fusing Enter Sensor Setting]**		
001	Fusing Enter Sensor:No Paper Check	ENG	[0 or 1 / **1** / 1/step]
	For detecting No Paper Threshold voltage of Fusing Enter Sensor		
002	No Paper:Detection voltage	*ENG	[0 to 4000 / **0** / 1mV]
	No Paper voltage value for Fusing Enter Sensor		
003	Yes Paper:Voltage:Delta	*ENG	[0 to 4000 / **150** / 1mV]
	Paper detedted voltage Delta(diffential) value of fusing enter sensor		

1135	**[Fusing Mode Switch]**		
001	Fusing Mode Setting	ENG	[0 or 1 / **0** / 1/step]
	Switching between Standard Speed Mode / Thick Priority Fusing Mode		

1141	**[Fusing SC Error Info]**		
001	SC Number	*ENG	[0 to 999/ **0** / 1/step]
	Displays SC Error Number.		

002	Cause	*ENG	[0 to 9 / **0** / 1/step]
	Displays branch numbers for Error Cause		
101	Htg Roller:Ctr Detect Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Ctr Detect Tmp1) when SC Error occurs.		
102	Htg Roller:Front Temp. 1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Front Temp. 1) when SC Error occurs.		
103	Fus Roller:End Different Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Different Tmp1) when SC Error occurs.		
104	Fus Roller:End Compensate Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Compensate Tmp1) when SC Error occurs.		
105	Press Roller:Ctr Differe Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Differe Tmp1) when SC Error occurs.		
106	Press Roller:Ctr Compensa Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Compensa Tmp1) when SC Error occurs.		
107	Press Roller:End Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:End Tmp1) when SC Error occurs.		
108	Fus Roller:Ctr Different Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Different Tmp1) when SC Error occurs.		

109	Fus Roller:Ctr Compensate Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Compensate Tmp1) when SC Error occurs.		
110	Htg Roller:Roll Core Tmp1	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Roll Core Tmp1) when SC Error occurs.		
151	Htg Roller:Ctr Detect Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Ctr Detect Tmp2) when SC Error occurs.		
152	Htg Roller:Front Temp. 2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Front Temp. 2) when SC Error occurs.		
153	Fus Roller:End Different Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Different Tmp2) when SC Error occurs.		
154	Fus Roller:End Compensate Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Compensate Tmp2) when SC Error occurs.		
155	Press Roller:Ctr Differe Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Differe Tmp2) when SC Error occurs.		
156	Press Roller:Ctr Compensa Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Compensa Tmp2) when SC Error occurs.		
157	Press Roller:End Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]

	Displays calculation temperature (Press Roller:End Tmp2) when SC Error occurs.		
158	Fus Roller:Ctr Different Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Different Tmp2) when SC Error occurs.		
159	Fus Roller:Ctr Compensate Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Compensate Tmp2) when SC Error occurs.		
160	Htg Roller:Roll Core Tmp2	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Roll Core Tmp2) when SC Error occurs.		
201	Htg Roller:Ctr Detect Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Ctr Detect Tmp3) when SC Error occurs.		
202	Htg Roller:Front Temp. 3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Front Temp. 3) when SC Error occurs.		
203	Fus Roller:End Different Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Different Tmp3) when SC Error occurs.		
204	Fus Roller:End Compensate Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:End Compensate Tmp3) when SC Error occurs.		
205	Press Roller:Ctr Differe Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Differe Tmp3) when SC Error occurs.		

206	Press Roller:Ctr Compensa Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:Ctr Compensa Tmp3) when SC Error occurs.		
207	Press Roller:End Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Press Roller:End Tmp3) when SC Error occurs.		
208	Fus Roller:Ctr Different Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Different Tmp3) when SC Error occurs.		
209	Fus Roller:Ctr Compensate Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Fus Roller:Ctr Compensate Tmp3) when SC Error occurs.		
210	Htg Roller:Roll Core Tmp3	*ENG	[-5 to 260 / **0** / 1deg/step]
	Displays calculation temperature (Htg Roller:Roll Core Tmp3) when SC Error occurs.		

1142	**[Fusing Jam 3 Times Detection]**		
001	SC Display	*ENG	[0 or 1 / **0** / 1/step]
	Display SC for Fusing Jam 3 Times Continuous Detection		

1151	[Pressure Setting]		
001	Pressure Change ON/OFF	*ENG	[0 or 1 / **0(Office a, Office b)** / 1/step]
	Pressure Change ON/OFF		
013	Mtr Op Start Delay Time1	*ENG	[0 to 10000 / **1000** / 1 msec/step]
	Sets stopping timing for Press2 Position.		
014	Mtr Op Start Delay Time2	*ENG	[0 to 10000 / **500** / 1 msec/step]
	Sets pressure completion timing for Press2 Position.		
015	Mtr Op Start Delay Time3	*ENG	[0 to 10000 / **0** / 1 msec/step]
	Sets pressure completion timing for Press3 Position.		
016	Press Pos:Power ON Heat	*ENG	[0 to 3 / **3** / 1/step]
	Sets Press Position for Power ON Heat.		
017	Press Pos:Restart	*ENG	[0 to 3 / **3** / 1/step]
	Sets Press Position for Restart.		
018	Press Pos:RotationAfterReload	*ENG	[0 to 3 / **3** / 1/step]
	Sets Press Position for RotationAfterReload.		
019	Press Pos:Before Job	*ENG	[0 to 3 / **3** / 1/step]
	Sets Press Position for Before Job.		
020	Press Pos:After Job	*ENG	[0 to 3 / **0** / 1/step]
	Sets Press Position for After Job.		
021	Press Pos:Ready Standby	*ENG	[0 to 3 / **0** / 1/step]
	Sets Press Position for Ready Standby.		
022	Press Pos:EnergySaver	*ENG	[0 to 3 / **0** / 1/step]
	Sets Press Position for EnergySaver.		
023	Press Pos:Low Power	*ENG	[0 to 3 / **0** / 1/step]

	Sets Press Position for Low Power.		
024	Press Pos:Off Sleep	*ENG	[0 to 3 / **0** / 1/step]
	Sets Press Position for Off Sleep.		
025	Press Pos:Print Ready	*ENG	[0 to 3 / **3** / 1/step]
	Sets Press Position for Print Ready.		
026	Reverse Operation Time	*ENG	[100 to 10000 / **1000** / 1 msec/step]
	Sets Reverse Operation Time. (Does not use for this machine.)		

1152	**[Fusing Nip Band Check]**		
001	Execute	*ENG	[0 or 1 / **1** / 1/step]
	Check Fusing Nip Band.		
002	Pre-idling Time	*ENG	[0 to 3600 / **600** / 1sec/step]
	Sets Fusing Nip Band Check and Pre-idling Time.		
003	Stop Time	*ENG	[0 to 255 / **60** / 1sec/step]
	Sets time for Nip Band Check.		
004	Pressure Position	*ENG	[1 to 3 / **3** / 1/step]
	Sets Press Position for Nip Band Check.		
010	Target Temp: Fusing:Center	*ENG	[0 to 200 / **155** / 1deg/step]
	Fusing when checking Nip Band: Sets Center Temp.		
011	Target Temp: Press:Center	*ENG	[0 to 200 / **155** / 1deg/step]
	Press when checking Nip Band: Sets Center Temp.		

1153	**[Press Roller Cooling Fan]**		
001	Startup Difference	ENG	[-90 to 50 / **-90** / 1deg/step]
	Sets operation temperature for Press Roller Cooling Fan when restarting.		
002	Job Difference	*ENG	[-90 to 50 / **10** / 1deg/step]
	Sets operation temperature for Press Roller Cooling Fan when operating Job.		
003	After Job Difference	*ENG	[-90 to 50 / **-90** / 1deg/step]
	Sets operation temperature for Press Roller Cooling Fan after Job.		
004	Fusing Refresh	*ENG	[-90 to 50 / **-10** / 1deg/step]
	Sets operation temperature for Press Roller Cooling Fan when operating Fusing Refresh.		
1153	**[Fuser Cleaning]**		
101	Force to Execute	ENG	[0 or 1 / **0** / 1/step]
	Fuser Cleaning: Force to Execute		
102	Operation Interval	*ENG	[0 to 300 / **300** / 1Kpage/step]
	Fuser Cleaning: Operation Interval		
103	Control Temp.	*ENG	[0 to 200 / **180** / 1deg/step]
	Control Temp. when operating Fuser Cleaning		
104	Page Count	*ENG	[0 to 300000 / **0** / 1page/step]
	Control Temp. when operating Fuser Cleaning		

1154	**[Keep Temp Rotation]**		
001	Rotation Start Temp	*ENG	[0 to 150 / **120** / 1deg/step]
	Fusing Roller Temp. for Idle Rotation operation		
002	Rotation Time	*ENG	[0 to 255 / **30** / 1sec/step]
	Standby Rotaion Time		

1155	**[Job Cancel]**		
001	Press Roller Temp	*ENG	[0 to 200 / **200** / 1deg/step]
	Job Cancel Judgment Temp.		

1161	**[Fusing Cleaning Web]**		
003	Execute Takeup After Replacement	ENG	[0 or 1 / **0** / 1/step]
	Executes Takeup After Web Replacement.		
004	Duplex Takeup Cycle Adj	*ENG	[-75 to 0 / **0** / 1%/step]
	Cleaning Web Takeup Cycle Change UP		

1302	**[Dbl-Feed Detect]**		
001	Tray1 (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray1.		
002	Tray2 (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray2.		
003	Tray3 (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray3.		
004	Tray4 (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Tray4.		

005	LCT (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in LCT.		
006	Bypass Tray (0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding in Bypass Tray.		

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1304	**[Dbl-Feed Detect Threshold Adj] (DFU)**		
001	Thin	ENG	[100 to 255 / **150** / 1%/step]
002	Plain1	ENG	[100 to 255 / **150** / 1%/step]
003	Plain2	ENG	[100 to 255 / **150** / 1%/step]
004	Mid-Thick	ENG	[100 to 255 / **150** / 1%/step]
005	Thick1	ENG	[100 to 255 / **150** / 1%/step]
006	Thick2	ENG	[100 to 255 / **150** / 1%/step]
007	Thick3	ENG	[100 to 255 / **150** / 1%/step]
008	Thick4	ENG	[100 to 255 / **150** / 1%/step]
009	Bypass Tray:Thin	ENG	[100 to 255 / **150** / 1%/step]
010	Bypass Tray:Plain1	ENG	[100 to 255 / **150** / 1%/step]
011	Bypass Tray:Plain2	ENG	[100 to 255 / **150** / 1%/step]
012	Bypass Tray:Mid-Thick	ENG	[100 to 255 / **150** / 1%/step]
013	Bypass Tray:Thick1	ENG	[100 to 255 / **150** / 1%/step]
014	Bypass Tray:Thick2	ENG	[100 to 255 / **150** / 1%/step]
015	Bypass Tray:Thick3	ENG	[100 to 255 / **150** / 1%/step]
016	Bypass Tray:Thick4	ENG	[100 to 255 / **150** / 1%/step]

1305	**[Dbl-Feed Comp Std Value]**		
001	Tray1:LAST	ENG	[0 to 2000 / **0** / 1um/step]
	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from Tray1 and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		
002	Tray1:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
003	Tray1:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		
004	Tray2:LAST	ENG	[0 to 2000 / **0** / 1um/step]
	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from Tray2 and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		
005	Tray2:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
006	Tray2:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		
007	Tray3:LAST	ENG	[0 to 2000 / **0** / 1um/step]
	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from Tray3 and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		

008	Tray3:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
009	Tray3:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		
010	Tray4:LAST	ENG	[0 to 2000 / **0** / 1um/step]
	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from Tray4 and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		
011	Tray4:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
012	Tray4:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		
013	LCT:LAST	ENG	[0 to 2000 / **0** / 1um/step]
	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from LCT and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		
014	LCT:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
015	LCT:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		
016	Bypass Tray:LAST	ENG	[0 to 2000 / **0** / 1um/step]

	Saves Dbl-Feed Detect Std Value (the average of the values calculated based on Initial Setting Mode and the scanned values) feeding from Bypass Tray and the average value of Dbl-Feed Detect Std Value on the previous page. This shall be the standard value for Double Feed Detect judgment. Does not save the result if an error is detected during the detection of Paper Interval and/or Paper Thickness.		
017	Bypass Tray:LAST2	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the previous Dbl-Feed Comp Std Value.		
018	Bypass Tray:LAST3	ENG	[0 to 2000 / **0** / 1um/step]
	Saves the Dbl-Feed Comp Std Value before last.		

1306	**[Paper Thickness Sensor Cal]**		
001	Average	ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the average of counter values measured in Initial Setting Mode of Main Unit Relay Roller.		
002	Maximum	ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the maximum value of counter values measured in Initial Setting Mode of Main Unit Relay Roller.		
003	Minimum	ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the minimum value of counter values measured in Initial Setting Mode of Main Unit Relay Roller.		
004	Bypass Tray:Ave	*ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the average of counter values measured in Initial Setting Mode of Bypass Tray Relay Roller.		
005	Bypass Tray:Max	*ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the maximum value of counter values measured in Initial Setting Mode of Bypass Tray Relay Roller.		
006	Bypass Tray:Min	*ENG	[-2000 to 2000 / **0** / 1um/step]
	Saves the minimum value of counter values measured in Initial Setting Mode of Bypass Tray Relay Roller.		

1307	**[Paper Thick Detect Std Value]**		
001	Plain1	ENG	[0 to 999 / **89** / 1um/step]
002	Plain2	ENG	[0 to 999 / **104** / 1um/step]
003	Mid-Thick	ENG	[0 to 999 / **123** / 1um/step]
004	Thick1	ENG	[0 to 999 / **149** / 1um/step]
005	Thick2	ENG	[0 to 999 / **171** / 1um/step]
006	Thick3	ENG	[0 to 999 / **235** / 1um/step]
007	Thick4	ENG	[0 to 999 / **274** / 1um/step]
008	Bypass Tray:Plain	ENG	[0 to 999 / **89** / 1um/step]
009	Bypass Tray:Plain2	ENG	[0 to 999 / **104** / 1um/step]
010	Bypass Tray:Mid-Thick	ENG	[0 to 999 / **123** / 1um/step]
011	Bypass Tray:Thick1	ENG	[0 to 999 / **149** / 1um/step]
012	Bypass Tray:Thick2	ENG	[0 to 999 / **171** / 1um/step]
013	Bypass Tray:Thick3	ENG	[0 to 999 / **235** / 1um/step]
014	Bypass Tray:Thick4	ENG	[0 to 999 / **274** / 1um/step]

1309	[Dbl-Feed Detect Times]		
001	Tray1	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in Tray1 whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
002	Tray2	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in Tray2 whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
003	Tray3	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in Tray3 whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
004	Tray4	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in Tray4 whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
005	LCT	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in LCT whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
006	Bypass Tray	ENG	[0 to 65535 / **0** / 1/step]
	Saves Dbl-Feed Detect Times in Bypass Tray whether Dbl-Feed Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		

1310	**[Paper Thick Detect Function]**		
001	Disabled Display (0:Off 1:On)	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Switches wheter to dispay paper thickness detection as OFF when it is so. Switchng ON will not be appplyed since this SP is not used.		

1311	**[Paper Thikness Error Times]**		
001	Tray1	ENG	[0 to 65535 / **0** / 1/step]
	Saves Paper Thick Detect Times in Tray1 whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
002	Tray2	ENG	[0 to 65535 / **0** / 1/step]
	Saves Paper Thick Detect Times in Tray2 whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
003	Tray3	ENG	[0 to 65535 / **0** / 1/step]
	Saves Paper Thick Detect Times in Tray3 whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
004	Tray4	ENG	[0 to 65535 / **0** / 1/step]
	Saves Paper Thick Detect Times in Tray4 whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
005	LCT	ENG	[0 to 65535 / **0** / 1/step]
	Saves Paper Thick Detect Times in LCT whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.		
006	Bypass Tray	ENG	[0 to 65535 / **0** / 1/step]

	Saves Paper Thick Detect Times in Bypass Tray whether Paper Thick Detect Setting is ON/OFF. Does not count up any more when the count value reaches the maximum value 65535.

1313	**[Paper Thickness Detect]**		
001	Tray1	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 1: ON when feeding in Tray1.		
002	Tray2	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 2: ON when feeding in Tray1.		
003	Tray3	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 3: ON when feeding in Tray1.		
004	Tray4	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 4: ON when feeding in Tray1.		
005	LCT	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 1: ON when feeding in LCT.		
006	Bypass Tray	ENG	[0 or 1 / **1** / 1/step]
	Switches Paper Thick Detect 0: OFF / 1: ON when feeding in Bypass Tray.		

1314	**[Paper Thikness Detect Corr]**		
001	Roller Rotation Times	*ENG	[0 to 10 / **10** / 1/step]
002	Bypass:Roller Rotation Times	*ENG	[0 to 10 / **10** / 1/step]

1315	**[Paper Thikness Cal Corr Value]**		
001	Resolution:Tray1	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]
002	Resolution:Tray2	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]
003	Resolution:Tray3	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]
004	Resolution:Tray4	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]

005	Resolution:LCT	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]
006	Resolution:Bypass Tray	*ENG	[0.0 to 9.9 / **5.0** / 0.1um/step]

1316	**[Paper Thickness Error Thresh]**		
001	Gap Amplitude	ENG	[100 to 2000 / **100** / 1um/step]
002	Paper Amplitude	ENG	[100 to 2000 / **100** / 1um/step]
003	Gap Compare	ENG	[100 to 2000 / **100** / 1um/step]
004	Paper Compare	ENG	[100 to 2000 / **100** / 1um/step]
005	Gap Amplitude:Bypass Tray	ENG	[100 to 2000 / **100** / 1um/step]
006	Paper Amplitude:Bypass Tray	ENG	[100 to 2000 / **100** / 1um/step]
007	Gap Compare:Bypass Tray	ENG	[100 to 2000 / **100** / 1um/step]
008	Paper Compare:Bypass Tray	ENG	[100 to 2000 / **100** / 1um/step]

1317	**[Paper Thickness Mesure Adj.]**		
001	Gap Start Delay	ENG	[-50 to 50 / **0** / 1mm/step]
002	Paper Start Delay	ENG	[-50 to 50 / **0** / 1mm/step]
003	Gap Mesurement Length	ENG	[-50 to 50 / **0** / 1mm/step]
004	Paper Mesurement Length	ENG	[-50 to 50 / **0** / 1mm/step]
005	Gap Start Delay:Bypass Tray	ENG	[-50 to 50 / **0** / 1mm/step]
006	Paper Start Delay:Bypass Tray	ENG	[-50 to 50 / **0** / 1mm/step]
007	Gap Mesurement Length:Bypass Tray	ENG	[-50 to 50 / **0** / 1mm/step]
008	Paper Mesurement Length:Bypass Tray	ENG	[-50 to 50 / **0** / 1mm/step]

1601	**[Dup:RollerShift12:MoveFineAdj]**

	Main Scan Move Adjustment value for Duplex Transport Roller2-4 and Duplex Exit Roller Used for Main Scan registration adjustment for 2nd page print for transported paper from Tray1. Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the left. (Trimming area in the left decreases.) ▪ "-" is the direction which images shift to the right. (Trimming area in the left increases.)		
001	Tray1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
002	Tray2	ENG	
003	Tray3	ENG	
004	Tray4	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
005	Bypass Tray	ENG	
006	LCT	ENG	

1602	**[Dup:RollerShift1:MoveFineAdj]**		
	Main Scan Move Fine Adjustment value for Duplex Transport Roller2, 3 in the mode in the topic mentioned above Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the left. (Trimming area in the left decreases.) ▪ "-" is the direction which images shift to the right. (Trimming area in the left increases.)		
001	Plain:Thin	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
009	Matte:Plain1	ENG	

010	Matte:Plain2	ENG	
011	Matte:Mid-Thick	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
012	Matte:Thick1	ENG	
013	Matte:Thick2	ENG	
014	Matte:Thick3	ENG	
015	Matte:Thick4	ENG	
016	Glossy:Plain1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
017	Glossy:Plain2	ENG	
018	Glossy:Mid-Thick	ENG	
019	Glossy:Thick1	ENG	
020	Glossy:Thick2	ENG	
021	Glossy:Thick3	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
022	Glossy:Thick4	ENG	

1603	**[Dup:RollerShift2:MoveFineAdj]**		
	Main Scan Move Fine Adjustment value for Duplex Transport Roller4 and Duplex Exit Roller in the mode in the topic mentioned above Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the left. (Trimming area in the left decreases.) ▪ "-" is the direction which images shift to the right. (Trimming area in the left increases.)		
001	Plain:Thin	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]

007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
009	Matte:Plain1	ENG	
010	Matte:Plain2	ENG	
011	Matte:Mid-Thick	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
012	Matte:Thick1	ENG	
013	Matte:Thick2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
014	Matte:Thick3	ENG	
015	Matte:Thick4	ENG	
016	Glossy:Plain1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
017	Glossy:Plain2	ENG	
018	Glossy:Mid-Thick	ENG	
019	Glossy:Thick1	ENG	
020	Glossy:Thick2	ENG	
021	Glossy:Thick3	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
022	Glossy:Thick4	ENG	

1604	**[Dup:RollerShift1:MoveData:1]**		
001	LAST	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the last value of Main Scan Move for Duplex Transport Roller2, 3. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
002	LAST1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the value before last of Main Scan Move for Duplex Transport Roller2, 3. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		

003	LAST2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the second value from the last of Main Scan Move for Duplex Transport Roller2, 3. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
004	LAST3	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the third value from the last of Main Scan Move for Duplex Transport Roller2, 3. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
005	LAST4	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the forth value from the last of Main Scan Move for Duplex Transport Roller2, 3. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		

1605	**[Dup:RollerShift2:MoveData:1]**		
001	LAST	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the last value of Main Scan Move for Duplex Transport Roller4 and Duplex Exit Roller. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
002	LAST1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the value before last of Main Scan Move for Duplex Transport Roller4 and Duplex Exit Roller. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
003	LAST2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the second value from the last of Main Scan Move for Duplex Transport Roller4 and Duplex Exit Roller. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		

004	LAST3	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the third value from the last of Main Scan Move for Duplex Transport Roller4 and Duplex Exit Roller. Displays that; ▪ "+" is the movement to the rear side of the unit. ▪ "-" is the movement to the front side of the unit.		
005	LAST4	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the forth value from the last of Main Scan Move for Duplex Transport Roller4 and Duplex Exit Roller. Displays that; ▪ "+" is the movement to the rear side of the unit ▪ "-" is the movement to the front side of the unit.		

1606	**[Dup:EdgeDetectSn:MeasureData:1]**		
001	LAST	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the last value of edge position measurement for Duplex Md Pass Paper by Duplex Edge Detect Sensor. Displays the Duplex Md Pass Paper is passed from the ideal position through the rear side of the unit when it is "+", and through the front size of the unit when it is "-".		
002	LAST1	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the value before last of edge position measurement for Duplex Md Pass Paper by Duplex Edge Detect Sensor. Displays the Duplex Md Pass Paper is passed from the ideal position through the rear side of the unit when it is "+", and through the front size of the unit when it is "-".		
003	LAST2	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the second value from the last of edge position measurement for Duplex Md Pass Paper by Duplex Edge Detect Sensor. Displays the Duplex Md Pass Paper is passed from the ideal position through the rear side of the unit when it is "+", and through the front size of the unit when it is "-".		

004	LAST3	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
	Saves the third value from the last of edge position measurement for Duplex Md Pass Paper by Duplex Edge Detect Sensor. Displays the Duplex Md Pass Paper is passed from the ideal position through the rear side of the unit when it is "+", and through the front size of the unit when it is "-".		
005	LAST4	ENG	[-3 to 3 / **0** / 0.1mm/step]
	Saves the forth value from the last of edge position measurement for Duplex Md Pass Paper by Duplex Edge Detect Sensor. Displays the Duplex Md Pass Paper is passed from the ideal position through the rear side of the unit when it is "+", and through the front size of the unit when it is "-".		

1607	**[Dup:RollerShift:Disable]**		
001	Tray1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from Tray1.		
002	Tray2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 2: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from Tray1.		
003	Tray3	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 3: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from Tray1.		
004	Tray4	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 4: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from Tray1.		
005	Bypass Tray	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from Bypass Tray.		

006	LCT	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller with feeding from LCT.		
007	Plain:Thin	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
008	Plain:Plain1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
009	Plain:Plain2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
010	Plain:Mid-Thick	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
011	Plain:Thick1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
012	Plain:Thick2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
013	Plain:Thick3	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
014	Plain:Thick4	ENG	[0 or 1 / **0** / 1/step]
	4 and Duplex Exit Roller in the mode in the topic mentioned above.		

015	Matte:Plain1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
016	Matte:Plain2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
017	Matte:Mid-Thick	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
018	Matte:Thick1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
019	Matte:Thick2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
020	Matte:Thick3	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
021	Matte:Thick4	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
022	Glossy:Plain1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
023	Glossy:Plain2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		

024	Glossy:Mid-Thick	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
025	Glossy:Thick1	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
026	Glossy:Thick2	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
027	Glossy:Thick3	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
028	Glossy:Thick4	ENG	[0 or 1 / **0** / 1/step]
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		

1802	**[CPM Information]**		
001	-	*ENG	[- / **-** / -]

1902	**[Fusing Web Setting]**		
001	Web Consumption	*ENG	[0 to 107 / **0** / 1/step]
	Displays current Web Consumption (Does not use for this machine.)		
002	Std Spd Rotation Interval	*ENG	[3.6 to 130.0 / **15.1** / 0.1sec/step]
	Feed Speed: Sets Web Rotation Interval at Standard Speed.		
003	Web Motor Rotation Time	*ENG	[0.3 to 3.5 / **2.8** / 0.1sec/step]
	Sets Web Standard Rotation Time per time.		
004	Web Near End Setting	*ENG	[50 to 100 / **81** / 1%/step]

	Stores the status of Web Near End.		
005	Web End Recording	*ENG	[0 or 1 / **0** / 1/step]
	Stores the status of Web End.		
006	Web Near End/End Clear	ENG	[0 or 1 / **0** / 1/step]
	Clears Web Near/End.		
007	Correction Coeff	*ENG	[0.00 to 2.00 / **1.07** / 0.01/step]
	Sets Correction Coefficient alpha for Web Consumption calculation.		
008	Takeup Rotations After Jam	*ENG	[0 to 30 / **10** / 1/step]
	Sets time for Web Cleaning executed when reloading after Jam.		
009	Consumption Formula Denominator	*ENG	[0 to 100000 / **1180** / 1/step]
	Sets denominator for Web Consumption calculation.		
010	Sequence for Each Reload	*ENG	[0.0 to 30.0 / **3.5** / 0.1sec/step]
	Sets time for Web Cleaning executed when reloading.		
011	Rotations After Cold Start	*ENG	[0 to 30 / **10** / 1/step]
	Sets Web Takeup Rotation Time After Cold Start.		
012	Fixed Rotation Time 1	*ENG	[40 to 60 / **48** / 1%/step]
	Sets Judgment Threshold1 which makes the Web Takeup Rotation Time fixed value.		
013	Fixed Rotation Time 2	*ENG	[61 to 120 / **62** / 1%/step]
	Sets Judgment Threshold2 which makes the Web Takeup Rotation Time fixed value.		
014	Rotation Intervals: Mid Speed	*ENG	[3.6 to 130.0 / **26.6** / 0.1sec/step]
	Feed Speed: Sets Web Takeup Rotation Intervals at medium speed.		

015	Operation Intervals: MidLow Speed	*ENG	[3.6 to 130 / **28.2** / 0.1sec/step]
	Feed Speed: Sets Web Takeup Rotation Intervals at medium-low speed. (Does not use for this machine.)		
016	Rotation Intervals: Low Speed	*ENG	[3.6 to 130.0 / **41.3** / 0.1sec/step]
	Feed Speed: Sets Web Takeup Rotation Intervals at low speed.		
017	Rotation Frequency	*ENG	[1 to 1000 / **250** / 1/step]
	Sets operation PPS (rotation time) for Web Cleaning Motor.		
018	Fixed Rotation Time	*ENG	[0 to 25.5 / **0.9** / 0.1sec/step]
	Takeup Rotation times After Web Replacement		
019	Takeup Rotation Time After Replacement	*ENG	[5 to 70 / **10** / 1/step]
	Sets Initial Takeup Rotation time brand-new Web Replacement.		
020	Web Counter Clear Recording	ENG	[0 or 1 / **0** / 1/step]
	Stores flags when Web Counter is cleared.		
101	Web pressure delay time	ENG	[0 to 5000 / **500** / 1 msec/step]
	Sets delay time from starting pressure to Web Pressure.		
103	Take up rotation time at pressure	ENG	[0 to 30 / **0** / 1/step]
	Sets Take up rotation time at pressure.		
104	Take up rotation time at depressure	ENG	[0 to 30 / **0** / 1/step]
	Sets Take up rotation time at depressure.		
151	Correction time2	ENG	[0 to 5000 / **0** / 1 msec/step]
	Sets correction time for Pressure time2.		
152	Correction time3	ENG	[0 to 5000 / **0** / 1 msec/step]
	Sets correction time for Pressure time3.		

153	Correction time4	ENG	[0 to 5000 / **0** / 1 msec/step]
	Sets correction time for Pressure time4.		
161	Pressure time1	ENG	[0 to 5000 / **0** / 1 msec/step]
	Sets the position for Web Pressure Position1.		
162	Pressure time2	ENG	[0 to 5000 / **0** / 1 msec/step]
	Sets the position for Web Pressure Position2.		
163	Pressure time3	ENG	[0 to 5000 / **1055** / 1 msec/step]
	Sets the position for Web Pressure Position3.		
164	Pressure time4	ENG	[0 to 5000 / **1130** / 1 msec/step]
	Sets the position for Web Pressure Position4.		
165	Depressure time	ENG	[0 to 5000 / **10** / 1 msec/step]
	Sets the position for Web Depressure Position.		

1903	**[Web Counter]**		
001	Web Total Page Counter	*ENG	[0 to 999999999 / **0** / 1sec/step]
	Displays the current Web Total Page Counter.		
002	Web Motor Rotation Time	*ENG	[0 to 25.5 / **2.8** / 0.1sec/step]
	Displays the current Web Motor Rotation Time.		
003	Rotation Interval Count	*ENG	[0 to 130 / **0** / 1sec/step]
	Stores the current count value of Web Takeup Rotation Interval.		
004	Total Rotation Times	*ENG	[0 to 999999999 / **0** / 1cycle/step]
	Displays Web Total Rotation Times.		

1904	**[Fusing unit replacement]**		
001	As a set of Fusing unit and Web	*ENG	[0 or 1 / **1** / 1/step]

	Sets Cleaning Web information operation by using Fusing ID Chip. Sets 1 if operates by keeping the Fusing Cleaning Unit installed when replacing the Fusing Unit, and sets 0 if operates by replacing the Fusing Cleaning Unit.

1907	**[Exit Tray Full Detection]**		
001	0: OFF / 1: ON	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:NO
	Switches 0: OFF / 1: ON for Exit Tray Full Detection. SP is added because Full Detection Disabling Connector which was included as standard for conventional equipment was abolished (due to cost-cutting).		

1909	**[Retract Pos Force Exit Op]**		
001	0: OFF / 1: ON	ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Switches 0: OFF / 1: ON for Retract Position Force Exit Operation when jam occurs. Control for transporting invalid paper to the react position which avoids the boundary line of the unit and the main unit transportation route in order to prevent paragraphs from dividing into two parts over two pages		

1918	**[Bypass Paper Size Detect]**		
001	Switch LT SEF/LG SEF	ENG	[0 or 1 / **0** / 1/step] 0:LT SEF 1:LG SEF
	Selects whether to detect LT SEF which cannot be identified with Bypass Paper Size Detect or LG SEF.		

1920	[LCT Tray Fan DUTY Adj]		
001	A3LCT	ENG	[10 to 100 / **50** / 10%/step]
	Adjusts air volume for Air Assist Fan. The problems such as Double Feed and No Feed are improved by increasing Air Assist Duty.		

1921	[LCT Fan Start Time Setting]		
001	A3LCT	ENG	[1 to 10 / **3** / 1sec/step]
	Adjusts the time between turning Air Assist on and starting feeding. The time handling paper with Fan increases by increasing values before feeding and problems such as Double Feed and No Feed are improved.		

1922	[LCT Tray Fan ON/OFF]		
001	A3LCT	ENG	[1 to 2 / **0** / 1/step] 0:Auto Select 1:Force ON 2:Force OFF
	Sets Air Assist operation. Problem resolution will be possible by turning Air Assist ON forcibly when Double Feed and No Feed occur with plain paper. 0: Auto Select / 1: Force ON / 2: Force OFF		

1923	[LCT Pickup Assist ON/OFF]		
001	A3LCT	ENG	[1 to 2 / **0** / 1/step] 0:Auto Select 1:Force ON 2:Force OFF
	Selects Pickup Roller Assist settings. Problem resolution will be possible by selecting Force ON when No Feed occurs with plain paper and by selecting Force OFF when Double Feed occurs with coated paper. 0: Auto Select / 1: Force ON / 2: Force OFF		

1932	[Buffer Pass Unit]		
001	Stand-by Setting	ENG	[0 to 60 / **1** / 1min/step]
	Time control until fan movement of Buffer Pass Unit stops when it is standby.		
002	Fan Drive Setting	ENG	[0 to 5 / **2** / 1/step]
	On/Off control of Buffer Pass Unit by paper thickness of the fan.		

1940	[Fan Cooling Time Set]		
	Sets Fan Cooling Time on standby state after printing.		
001	Development Suction Fan	*ENG	[0.0 to 120 / **0** / 0.1min/step]
002	Development Exhaust Fan	*ENG	
003	Heatsink Suction Fan	*ENG	
004	Heatsink Exhaust Fan	*ENG	
005	Fusing & Paper Exhaust Cooling Fan	*ENG	
006	Belt Cleaning Cooling Fan	*ENG	[0.0 to 120.0 / **0.0** / 0.1min/step]
007	IH Cooling Fan	*ENG	
008	IH & Belt Cleaning Exhaust Fan	*ENG	[0.0 to 120.0 / **0.0** / 0.1min/step]

009	IH Power Cooling Fan	*ENG	
010	PCB BOX Suction Fan	*ENG	
011	PCB BOX Exhaust Fan	*ENG	[0.0 to 120.0 / **0.0** / 0.1min/step]
012	Imaging Cooing Fan	*ENG	
013	Duplex Exhaust Fan	*ENG	
014	Drive Exhaust Fan	*ENG	
015	Paper Cooling HP Fan	*ENG	
016	Ozone Exhaust Fan	*ENG	[0.0 to 120.0 / **0.0** / 0.1min/step]
017	PSU Cooling Fan	*ENG	

1941	**[Fan Start Time Set]**		
	Sets Fan Start Time when Engine OFF Mode restarts.		
001	Development Suction Fan	*ENG	[0 to 900 / **120** / 1sec/step]
002	Development Exhaust Fan	*ENG	
003	Heatsink Suction Fan	*ENG	
004	Heatsink Exhaust Fan	*ENG	
005	Fusing & Paper Exit Exhaust Fan	*ENG	
006	Belt Cleaning Cooling Fan	*ENG	[0 to 900 / **120** / 1sec/step]
007	IH Cooling Fan	*ENG	[0 to 900 / **0** / 1sec/step]
008	IH & Belt Cleaning Exhaust Fan	*ENG	
009	IH Power Cooling Fan	*ENG	
010	PCB BOX Suction Fan	*ENG	[0 to 900 / **120** / 1sec/step]
011	PCB BOX Exhaust Fan	*ENG	
012	Imaging Cooing Fan	*ENG	
013	Duplex Exhaust Fan	*ENG	[0 to 900 / **120** / 1sec/step]

014	Drive Exhaust Fan	*ENG	
015	Paper Cooling HP Fan	*ENG	[0 to 900 / **120** / 1sec/step]
016	Ozone Exhaust Fan	*ENG	
017	P Sensor Cleaning Fan	*ENG	
018	PSU Cooling Fan	*ENG	

1942	**[Fan Control Off Mode Strt Time]**		
001	Fan Control Off Mode Strt Time	*ENG	[0 to 60 / **10** / 1min/step]
	Sets OFF Mode Time until when Fan Control starts.		

1943	**[Extra Fan Control]**		
001	Operating State	*ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1:ON
	Displays the current Extra Fan Operating State.		
002	Start Temperature	*ENG	[0 to 100.0 / **40.0** / 0.1deg/step]
	Sets Decision Temp. when Extra Fan Operating starts. Does not execute when it is [0].		
003	Stop Temperature Threshold	*ENG	[0 to 100.0 / **2.0** / 0.1deg/step]
	Sets temperature threshold (between start temperature and stop temperature) when stopping Extra Fan Operating.		
004	Extra Fan Control ON/OFF Setting	*ENG	[0 or 1 / **1** / 1/step] 0: OFF, 1: ON
	Sets ON/OFF for Extra Fan Operation.		

1944	**[Fan Control]**		
	Sets a temperature threshold for when switching operation of each fan.		
001	Cancellation Temp Threshold	*ENG	[0.0 to 100.0 / **2.0** / 0.1deg/step]
002	Execution Temp Threshold	*ENG	[0.0 to 100.0 / **33.0** / 0.1deg/step]
003	Drive Exit Fan Exec Temp Thres Low	*ENG	[0.0 to 100.0 / **33.0** / 0.1deg/step]
004	Drive Exit Fan Exec Temp Thres Mid	*ENG	[0.0 to 100.0 / **37.0** / 0.1deg/step]
005	Drive Exit Fan Exec Temp Thres High	*ENG	[0.0 to 100.0 / **40.0** / 0.1deg/step]
006	Drive Exit Fan Duty Silent	*ENG	[0 to 100 / **20** / 1%/step]
007	Drive Exit Fan Duty Low	*ENG	[0 to 100 / **90** / 1%/step]
008	Drive Exit Fan Duty Middle	*ENG	[0 to 100 / **90** / 1%/step]
009	Drive Exit Fan Duty High	*ENG	[0 to 100 / **90** / 1%/step]

1945	**[Set Cooling Operation]**		
001	Machine Stop Counter	ENG	[0 to 99999999 / **0** / 1/step]
	Counts the number of times that the machine is stopped by temperature increase and saves it in SP.		
002	Machine Stop Temperature	ENG	[30 to 60 / **44** / 1deg/step]
	Temperature threshold settings for stopping the machine when temperature increases.		
003	Recovery Temperature	ENG	[1 to 10 / **3** / 1deg/step]
	Temperature threshold settings for restarting the machine when it is stopped by temperature increase.		
006	Fan Op Off Temp: Y Thermistor	*ENG	[30 to 50 / **43** / 1deg/step]

	Temperature threshold when the fan operates in Engine OFF Mode		
007	Fan Op Off Time	*ENG	[0 to 60 / **10** / 5min/step]
	Operating time for the fan when it operates in Engine OFF Mode		

1946	**[Machine Stop control]**		
001	ON/OFF	ENG	[0 or 1 / **1** / 1/step]
	Decide wheter to control machine to stop when tempture rises.		

1950	**[L-Edge Regist Adj (Front)] *D137/D138 only**		
	Adjusts the timing for registration start of the paper surface in the topic mentioned above and the image position against the transfer paper. Reflects adjustment values with no change. ▪ "+" is the direction from which images come out. (Makes the registration start fast.) ▪ "-" is the direction which images disappear. (Makes the registration start slow.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

3.4 SP1-951 TO 960 (FEED)

1951	**[L-Edge Regist Adj (Rear)] *D137/D138 only** Adjusts the timing for registration start of the back side of the paper in the topic mentioned above and the image position against the transfer paper. Reflects adjustment values with no change. ▪ "+" is the direction from which images come out. (Makes the registration start fast.) ▪ "-" is the direction which images disappear. (Makes the registration start slow.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

1952	**[S-to-S Regist Adj (Front)] *D137/D138 only** Adjusts the start position for writing of the paper surface in the topic mentioned above and the image position against the transfer paper. Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the right. (Trimming area in the left increases.) ▪ "-" is the direction which images shift to the left. (Trimming area in the left decreases.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

1953	**[S-to-S Regist Adj (Rear)] *D137/D138 only** Adjusts the start position for writing of the back side of the paper in the topic mentioned above and the image position against the transfer paper. Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the right. (Trimming area in the left increases.) ▪ "-" is the direction which images shift to the left. (Trimming area in the left decreases.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

1954	**[Paper Thikness Detect] *D137/D138 only**		
	Switches Paper Thick Detect 0: OFF / 1: ON when feeding the paper in the topic mentioned above.		
001	Custom Paper 001(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
002	Custom Paper 002(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
003	Custom Paper 003(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
004	Custom Paper 004(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
005	Custom Paper 005(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
006	Custom Paper 006(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
007	Custom Paper 007(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

008	Custom Paper 008(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
009	Custom Paper 009(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
010	Custom Paper 010(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
011	Custom Paper 011(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
012	Custom Paper 012(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
013	Custom Paper 013(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
014	Custom Paper 014(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
015	Custom Paper 015(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
016	Custom Paper 016(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
017	Custom Paper 017(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
018	Custom Paper 018(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
019	Custom Paper 019(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
020	Custom Paper 020(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
021	Custom Paper 021(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
022	Custom Paper 022(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

023	Custom Paper 023(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
024	Custom Paper 024(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
025	Custom Paper 025(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
026	Custom Paper 026(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
027	Custom Paper 027(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
028	Custom Paper 028(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
029	Custom Paper 029(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
030	Custom Paper 030(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
031	Custom Paper 031(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
032	Custom Paper 032(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
033	Custom Paper 033(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
034	Custom Paper 034(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
035	Custom Paper 035(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
036	Custom Paper 036(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
037	Custom Paper 037(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

038	Custom Paper 038(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
039	Custom Paper 039(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
040	Custom Paper 040(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
041	Custom Paper 041(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
042	Custom Paper 042(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
043	Custom Paper 043(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
044	Custom Paper 044(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
045	Custom Paper 045(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
046	Custom Paper 046(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
047	Custom Paper 047(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
048	Custom Paper 048(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
049	Custom Paper 049(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
050	Custom Paper 050(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
051	Custom Paper 051(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
052	Custom Paper 052(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

053	Custom Paper 053(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
054	Custom Paper 054(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
055	Custom Paper 055(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
056	Custom Paper 056(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
057	Custom Paper 057(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
058	Custom Paper 058(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
059	Custom Paper 059(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
060	Custom Paper 060(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
061	Custom Paper 061(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
062	Custom Paper 062(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
063	Custom Paper 063(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
064	Custom Paper 064(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
065	Custom Paper 065(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
066	Custom Paper 066(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
067	Custom Paper 067(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

068	Custom Paper 068(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
069	Custom Paper 069(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
070	Custom Paper 070(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
071	Custom Paper 071(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
072	Custom Paper 072(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
073	Custom Paper 073(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
074	Custom Paper 074(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
075	Custom Paper 075(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
076	Custom Paper 076(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
077	Custom Paper 077(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
078	Custom Paper 078(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
079	Custom Paper 079(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
080	Custom Paper 080(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
081	Custom Paper 081(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
082	Custom Paper 082(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

083	Custom Paper 083(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
084	Custom Paper 084(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
085	Custom Paper 085(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
086	Custom Paper 086(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
087	Custom Paper 087(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
088	Custom Paper 088(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
089	Custom Paper 089(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
090	Custom Paper 090(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
091	Custom Paper 091(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
092	Custom Paper 092(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
093	Custom Paper 093(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
094	Custom Paper 094(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
095	Custom Paper 095(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
096	Custom Paper 096(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
097	Custom Paper 097(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

098	Custom Paper 098(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
099	Custom Paper 099(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
100	Custom Paper 100(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

1955	**[Dbl-Feed Detect] *D137/D138 only**		
	Switches Dbl-Feed Detect 0: OFF / 1: ON when feeding the paper in the topic mentioned above.		
001	Custom Paper 001(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
002	Custom Paper 002(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
003	Custom Paper 003(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
004	Custom Paper 004(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
005	Custom Paper 005(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
006	Custom Paper 006(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
007	Custom Paper 007(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
008	Custom Paper 008(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
009	Custom Paper 009(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
010	Custom Paper 010(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

011	Custom Paper 011(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
012	Custom Paper 012(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
013	Custom Paper 013(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
014	Custom Paper 014(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
015	Custom Paper 015(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
016	Custom Paper 016(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
017	Custom Paper 017(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
018	Custom Paper 018(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
019	Custom Paper 019(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
020	Custom Paper 020(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
021	Custom Paper 021(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
022	Custom Paper 022(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
023	Custom Paper 023(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
024	Custom Paper 024(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
025	Custom Paper 025(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

026	Custom Paper 026(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
027	Custom Paper 027(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
028	Custom Paper 028(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
029	Custom Paper 029(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
030	Custom Paper 030(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
031	Custom Paper 031(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
032	Custom Paper 032(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
033	Custom Paper 033(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
034	Custom Paper 034(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
035	Custom Paper 035(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
036	Custom Paper 036(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
037	Custom Paper 037(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
038	Custom Paper 038(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
039	Custom Paper 039(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
040	Custom Paper 040(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

041	Custom Paper 041(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
042	Custom Paper 042(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
043	Custom Paper 043(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
044	Custom Paper 044(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
045	Custom Paper 045(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
046	Custom Paper 046(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
047	Custom Paper 047(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
048	Custom Paper 048(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
049	Custom Paper 049(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
050	Custom Paper 050(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
051	Custom Paper 051(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
052	Custom Paper 052(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
053	Custom Paper 053(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
054	Custom Paper 054(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
055	Custom Paper 055(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

056	Custom Paper 056(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
057	Custom Paper 057(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
058	Custom Paper 058(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
059	Custom Paper 059(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
060	Custom Paper 060(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
061	Custom Paper 061(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
062	Custom Paper 062(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
063	Custom Paper 063(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
064	Custom Paper 064(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
065	Custom Paper 065(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
066	Custom Paper 066(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
067	Custom Paper 067(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
068	Custom Paper 068(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
069	Custom Paper 069(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
070	Custom Paper 070(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

071	Custom Paper 071(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
072	Custom Paper 072(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
073	Custom Paper 073(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
074	Custom Paper 074(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
075	Custom Paper 075(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
076	Custom Paper 076(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
077	Custom Paper 077(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
078	Custom Paper 078(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
079	Custom Paper 079(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
080	Custom Paper 080(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
081	Custom Paper 081(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
082	Custom Paper 082(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
083	Custom Paper 083(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
084	Custom Paper 084(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
085	Custom Paper 085(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

086	Custom Paper 086(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
087	Custom Paper 087(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
088	Custom Paper 088(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
089	Custom Paper 089(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
090	Custom Paper 090(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
091	Custom Paper 091(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
092	Custom Paper 092(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
093	Custom Paper 093(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
094	Custom Paper 094(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
095	Custom Paper 095(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
096	Custom Paper 096(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
097	Custom Paper 097(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
098	Custom Paper 098(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
099	Custom Paper 099(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]
100	Custom Paper 100(0: OFF / 1: ON)	ENG	[0 or 1 / **1** / 1/step]

1956	**[Fine Adj Transport Mtr 1 Spd] *D137/D138 only**		
	Fine-tunes the line speed of the 1st feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1957	**[Fine Adj Transport Mtr 2 Spd] *D137/D138 only**		
	Fine-tunes the line speed of the 2nd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1958	**[Fine Adj Transport Mtr 3 Spd] *D137/D138 only**		
	Fine-tunes the line speed of the 3rd feed motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1959	**[Fine Adj Relay Mtr CW Spd] *D137/D138 only**		
	Fine-tunes the line speed of CW rotation of the main unit relay motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification of 2nd page print and 1st page print of the main unit bank/LCT and Area Mag. Cor. Then improves image position accuracy, and prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1960	**[Fine Adj Relay Mtr CCW Spd] *D137/D138 only**		
	Fine-tunes the line speed of CCW rotation of the main unit relay motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor. for bypass 1st page print, and improves image position accuracy, and then prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

3.5 SP1-961 TO 988 (FEED)

1961	**[Fine Adj Registration Mtr Spd] *D137/D138 only**		
	Fine-tunes the line speed of the registration motor in the mode in the topic mentioned above. Reflects adjustment values with no change in the line speed. Adjusts Sub Scan Magnification and Area Mag. Cor., and improves image position accuracy, and then prevents Shock Jitter.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1965	**[Fine Adj Exit Motor Spd] *D137/D138 only**		
	Fine-tunes the line speed of the Exit motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1966	**[Fine Adj Invert Entrance Spd] *D137/D138 only**		
	Fine-tunes the line speed of the Inverter Entrance motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1967	**[Fine Adj Exit Invert CW Spd] *D137/D138 only** Fine-tunes the line speed of CW rotation of the Paper Exit Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1968	**[Fine Adj Duplx/Invert CW Spd] *D137/D138 only**		
	Fine-tunes the line speed of CW rotation of the Duplex Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1969	**[Fine Adj Duplx Exit Mtr Spd] *D137/D138 only**		
	Fine-tunes the line speed of the Duplex Exit motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1970	**[Fine Adj Exit Invert CCW Spd] *D137/D138 only**		
	Fine-tunes the line speed of CCW rotation of the Paper Exit Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1971	**[Fine Adj Duplx/Invert CCW Spd] *D137/D138 only**		
	Fine-tunes the line speed of CCW rotation of the Duplex Inverter motor in the mode in the topic mentioned above. Reflects adjustment values with no change. Prevents glossy lines, ripples, and rubbed images.		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 %/step]

1981	**[Dup:RollerShift1:MoveFineAdj] *D137/D138 only** Main Scan Move Fine Adjustment value for Duplex Transport Roller2,3 in the mode in the topic mentioned above Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the left. (Trimming area in the left decreases.) ▪ "-" is the direction which images shift to the right. (Trimming area in the left increases.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

1982	**[Dup:RollerShift2:MoveFineAdj] *D137/D138 only** Main Scan Move Fine Adjustment value for Duplex Transport Roller4 and Duplex Exit Roller in the mode in the topic mentioned above Reflects adjustment values with no change. ▪ "+" is the direction which images shift to the left. (Trimming area in the left decreases.) ▪ "-" is the direction which images shift to the right. (Trimming area in the left increases.)		
001	Custom Paper 001	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Custom Paper 002	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Custom Paper 003	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Custom Paper 004	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
005	Custom Paper 005	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
006	Custom Paper 006	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
007	Custom Paper 007	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
008	Custom Paper 008	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
009	Custom Paper 009	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
010	Custom Paper 010	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
011	Custom Paper 011	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
012	Custom Paper 012	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
013	Custom Paper 013	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
014	Custom Paper 014	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

015	Custom Paper 015	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
016	Custom Paper 016	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
017	Custom Paper 017	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
018	Custom Paper 018	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
019	Custom Paper 019	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
020	Custom Paper 020	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
021	Custom Paper 021	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
022	Custom Paper 022	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
023	Custom Paper 023	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
024	Custom Paper 024	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
025	Custom Paper 025	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
026	Custom Paper 026	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
027	Custom Paper 027	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
028	Custom Paper 028	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
029	Custom Paper 029	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
030	Custom Paper 030	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
031	Custom Paper 031	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
032	Custom Paper 032	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
033	Custom Paper 033	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
034	Custom Paper 034	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
035	Custom Paper 035	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
036	Custom Paper 036	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
037	Custom Paper 037	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
038	Custom Paper 038	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
039	Custom Paper 039	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
040	Custom Paper 040	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

041	Custom Paper 041	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
042	Custom Paper 042	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
043	Custom Paper 043	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
044	Custom Paper 044	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
045	Custom Paper 045	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
046	Custom Paper 046	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
047	Custom Paper 047	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
048	Custom Paper 048	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
049	Custom Paper 049	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
050	Custom Paper 050	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
051	Custom Paper 051	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
052	Custom Paper 052	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
053	Custom Paper 053	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
054	Custom Paper 054	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
055	Custom Paper 055	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
056	Custom Paper 056	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
057	Custom Paper 057	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
058	Custom Paper 058	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
059	Custom Paper 059	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
060	Custom Paper 060	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
061	Custom Paper 061	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
062	Custom Paper 062	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
063	Custom Paper 063	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
064	Custom Paper 064	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
065	Custom Paper 065	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
066	Custom Paper 066	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

067	Custom Paper 067	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
068	Custom Paper 068	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
069	Custom Paper 069	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
070	Custom Paper 070	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
071	Custom Paper 071	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
072	Custom Paper 072	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
073	Custom Paper 073	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
074	Custom Paper 074	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
075	Custom Paper 075	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
076	Custom Paper 076	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
077	Custom Paper 077	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
078	Custom Paper 078	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
079	Custom Paper 079	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
080	Custom Paper 080	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
081	Custom Paper 081	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
082	Custom Paper 082	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
083	Custom Paper 083	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
084	Custom Paper 084	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
085	Custom Paper 085	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
086	Custom Paper 086	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
087	Custom Paper 087	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
088	Custom Paper 088	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
089	Custom Paper 089	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
090	Custom Paper 090	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
091	Custom Paper 091	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
092	Custom Paper 092	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

093	Custom Paper 093	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
094	Custom Paper 094	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
095	Custom Paper 095	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
096	Custom Paper 096	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
097	Custom Paper 097	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
098	Custom Paper 098	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
099	Custom Paper 099	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
100	Custom Paper 100	ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]

1983	**[Dup:RollerShift:Disable] *D137/D138 only**		
	Sets 0: Enabled / 1: Disabled for Main Scan Move Shift for Duplex Transport Roller2-4 and Duplex Exit Roller in the mode in the topic mentioned above.		
001	Custom Paper 001	ENG	[0 or 1 / **0** / 1/step]
002	Custom Paper 002	ENG	[0 or 1 / **0** / 1/step]
003	Custom Paper 003	ENG	[0 or 1 / **0** / 1/step]
004	Custom Paper 004	ENG	[0 or 1 / **0** / 1/step]
005	Custom Paper 005	ENG	[0 or 1 / **0** / 1/step]
006	Custom Paper 006	ENG	[0 or 1 / **0** / 1/step]
007	Custom Paper 007	ENG	[0 or 1 / **0** / 1/step]
008	Custom Paper 008	ENG	[0 or 1 / **0** / 1/step]
009	Custom Paper 009	ENG	[0 or 1 / **0** / 1/step]
010	Custom Paper 010	ENG	[0 or 1 / **0** / 1/step]
011	Custom Paper 011	ENG	[0 or 1 / **0** / 1/step]
012	Custom Paper 012	ENG	[0 or 1 / **0** / 1/step]
013	Custom Paper 013	ENG	[0 or 1 / **0** / 1/step]
014	Custom Paper 014	ENG	[0 or 1 / **0** / 1/step]

015	Custom Paper 015	ENG	[0 or 1 / **0** / 1/step]
016	Custom Paper 016	ENG	[0 or 1 / **0** / 1/step]
017	Custom Paper 017	ENG	[0 or 1 / **0** / 1/step]
018	Custom Paper 018	ENG	[0 or 1 / **0** / 1/step]
019	Custom Paper 019	ENG	[0 or 1 / **0** / 1/step]
020	Custom Paper 020	ENG	[0 or 1 / **0** / 1/step]
021	Custom Paper 021	ENG	[0 or 1 / **0** / 1/step]
022	Custom Paper 022	ENG	[0 or 1 / **0** / 1/step]
023	Custom Paper 023	ENG	[0 or 1 / **0** / 1/step]
024	Custom Paper 024	ENG	[0 or 1 / **0** / 1/step]
025	Custom Paper 025	ENG	[0 or 1 / **0** / 1/step]
026	Custom Paper 026	ENG	[0 or 1 / **0** / 1/step]
027	Custom Paper 027	ENG	[0 or 1 / **0** / 1/step]
028	Custom Paper 028	ENG	[0 or 1 / **0** / 1/step]
029	Custom Paper 029	ENG	[0 or 1 / **0** / 1/step]
030	Custom Paper 030	ENG	[0 or 1 / **0** / 1/step]
031	Custom Paper 031	ENG	[0 or 1 / **0** / 1/step]
032	Custom Paper 032	ENG	[0 or 1 / **0** / 1/step]
033	Custom Paper 033	ENG	[0 or 1 / **0** / 1/step]
034	Custom Paper 034	ENG	[0 or 1 / **0** / 1/step]
035	Custom Paper 035	ENG	[0 or 1 / **0** / 1/step]
036	Custom Paper 036	ENG	[0 or 1 / **0** / 1/step]
037	Custom Paper 037	ENG	[0 or 1 / **0** / 1/step]
038	Custom Paper 038	ENG	[0 or 1 / **0** / 1/step]
039	Custom Paper 039	ENG	[0 or 1 / **0** / 1/step]
040	Custom Paper 040	ENG	[0 or 1 / **0** / 1/step]

041	Custom Paper 041	ENG	[0 or 1 / **0** / 1/step]
042	Custom Paper 042	ENG	[0 or 1 / **0** / 1/step]
043	Custom Paper 043	ENG	[0 or 1 / **0** / 1/step]
044	Custom Paper 044	ENG	[0 or 1 / **0** / 1/step]
045	Custom Paper 045	ENG	[0 or 1 / **0** / 1/step]
046	Custom Paper 046	ENG	[0 or 1 / **0** / 1/step]
047	Custom Paper 047	ENG	[0 or 1 / **0** / 1/step]
048	Custom Paper 048	ENG	[0 or 1 / **0** / 1/step]
049	Custom Paper 049	ENG	[0 or 1 / **0** / 1/step]
050	Custom Paper 050	ENG	[0 or 1 / **0** / 1/step]
051	Custom Paper 051	ENG	[0 or 1 / **0** / 1/step]
052	Custom Paper 052	ENG	[0 or 1 / **0** / 1/step]
053	Custom Paper 053	ENG	[0 or 1 / **0** / 1/step]
054	Custom Paper 054	ENG	[0 or 1 / **0** / 1/step]
055	Custom Paper 055	ENG	[0 or 1 / **0** / 1/step]
056	Custom Paper 056	ENG	[0 or 1 / **0** / 1/step]
057	Custom Paper 057	ENG	[0 or 1 / **0** / 1/step]
058	Custom Paper 058	ENG	[0 or 1 / **0** / 1/step]
059	Custom Paper 059	ENG	[0 or 1 / **0** / 1/step]
060	Custom Paper 060	ENG	[0 or 1 / **0** / 1/step]
061	Custom Paper 061	ENG	[0 or 1 / **0** / 1/step]
062	Custom Paper 062	ENG	[0 or 1 / **0** / 1/step]
063	Custom Paper 063	ENG	[0 or 1 / **0** / 1/step]
064	Custom Paper 064	ENG	[0 or 1 / **0** / 1/step]
065	Custom Paper 065	ENG	[0 or 1 / **0** / 1/step]
066	Custom Paper 066	ENG	[0 or 1 / **0** / 1/step]

067	Custom Paper 067	ENG	[0 or 1 / **0** / 1/step]
068	Custom Paper 068	ENG	[0 or 1 / **0** / 1/step]
069	Custom Paper 069	ENG	[0 or 1 / **0** / 1/step]
070	Custom Paper 070	ENG	[0 or 1 / **0** / 1/step]
071	Custom Paper 071	ENG	[0 or 1 / **0** / 1/step]
072	Custom Paper 072	ENG	[0 or 1 / **0** / 1/step]
073	Custom Paper 073	ENG	[0 or 1 / **0** / 1/step]
074	Custom Paper 074	ENG	[0 or 1 / **0** / 1/step]
075	Custom Paper 075	ENG	[0 or 1 / **0** / 1/step]
076	Custom Paper 076	ENG	[0 or 1 / **0** / 1/step]
077	Custom Paper 077	ENG	[0 or 1 / **0** / 1/step]
078	Custom Paper 078	ENG	[0 or 1 / **0** / 1/step]
079	Custom Paper 079	ENG	[0 or 1 / **0** / 1/step]
080	Custom Paper 080	ENG	[0 or 1 / **0** / 1/step]
081	Custom Paper 081	ENG	[0 or 1 / **0** / 1/step]
082	Custom Paper 082	ENG	[0 or 1 / **0** / 1/step]
083	Custom Paper 083	ENG	[0 or 1 / **0** / 1/step]
084	Custom Paper 084	ENG	[0 or 1 / **0** / 1/step]
085	Custom Paper 085	ENG	[0 or 1 / **0** / 1/step]
086	Custom Paper 086	ENG	[0 or 1 / **0** / 1/step]
087	Custom Paper 087	ENG	[0 or 1 / **0** / 1/step]
088	Custom Paper 088	ENG	[0 or 1 / **0** / 1/step]
089	Custom Paper 089	ENG	[0 or 1 / **0** / 1/step]
090	Custom Paper 090	ENG	[0 or 1 / **0** / 1/step]
091	Custom Paper 091	ENG	[0 or 1 / **0** / 1/step]
092	Custom Paper 092	ENG	[0 or 1 / **0** / 1/step]

093	Custom Paper 093	ENG	[0 or 1 / **0** / 1/step]
094	Custom Paper 094	ENG	[0 or 1 / **0** / 1/step]
095	Custom Paper 095	ENG	[0 or 1 / **0** / 1/step]
096	Custom Paper 096	ENG	[0 or 1 / **0** / 1/step]
097	Custom Paper 097	ENG	[0 or 1 / **0** / 1/step]
098	Custom Paper 098	ENG	[0 or 1 / **0** / 1/step]
099	Custom Paper 099	ENG	[0 or 1 / **0** / 1/step]
100	Custom Paper 100	ENG	[0 or 1 / **0** / 1/step]

1984	**[Htg Roller Temp Setting] *D137/D138 only**		
	Sets Print Target Temp. for Heating Roller.		
001	Custom Paper 001	ENG	[0 to 200 / **0** / 1 deg/step]
002	Custom Paper 002	ENG	[0 to 200 / **0** / 1 deg/step]
003	Custom Paper 003	ENG	[0 to 200 / **0** / 1 deg/step]
004	Custom Paper 004	ENG	[0 to 200 / **0** / 1 deg/step]
005	Custom Paper 005	ENG	[0 to 200 / **0** / 1 deg/step]
006	Custom Paper 006	ENG	[0 to 200 / **0** / 1 deg/step]
007	Custom Paper 007	ENG	[0 to 200 / **0** / 1 deg/step]
008	Custom Paper 008	ENG	[0 to 200 / **0** / 1 deg/step]
009	Custom Paper 009	ENG	[0 to 200 / **0** / 1 deg/step]
010	Custom Paper 010	ENG	[0 to 200 / **0** / 1 deg/step]
011	Custom Paper 011	ENG	[0 to 200 / **0** / 1 deg/step]
012	Custom Paper 012	ENG	[0 to 200 / **0** / 1 deg/step]
013	Custom Paper 013	ENG	[0 to 200 / **0** / 1 deg/step]
014	Custom Paper 014	ENG	[0 to 200 / **0** / 1 deg/step]
015	Custom Paper 015	ENG	[0 to 200 / **0** / 1 deg/step]

016	Custom Paper 016	ENG	[0 to 200 / **0** / 1 deg/step]
017	Custom Paper 017	ENG	[0 to 200 / **0** / 1 deg/step]
018	Custom Paper 018	ENG	[0 to 200 / **0** / 1 deg/step]
019	Custom Paper 019	ENG	[0 to 200 / **0** / 1 deg/step]
020	Custom Paper 020	ENG	[0 to 200 / **0** / 1 deg/step]
021	Custom Paper 021	ENG	[0 to 200 / **0** / 1 deg/step]
022	Custom Paper 022	ENG	[0 to 200 / **0** / 1 deg/step]
023	Custom Paper 023	ENG	[0 to 200 / **0** / 1 deg/step]
024	Custom Paper 024	ENG	[0 to 200 / **0** / 1 deg/step]
025	Custom Paper 025	ENG	[0 to 200 / **0** / 1 deg/step]
026	Custom Paper 026	ENG	[0 to 200 / **0** / 1 deg/step]
027	Custom Paper 027	ENG	[0 to 200 / **0** / 1 deg/step]
028	Custom Paper 028	ENG	[0 to 200 / **0** / 1 deg/step]
029	Custom Paper 029	ENG	[0 to 200 / **0** / 1 deg/step]
030	Custom Paper 030	ENG	[0 to 200 / **0** / 1 deg/step]
031	Custom Paper 031	ENG	[0 to 200 / **0** / 1 deg/step]
032	Custom Paper 032	ENG	[0 to 200 / **0** / 1 deg/step]
033	Custom Paper 033	ENG	[0 to 200 / **0** / 1 deg/step]
034	Custom Paper 034	ENG	[0 to 200 / **0** / 1 deg/step]
035	Custom Paper 035	ENG	[0 to 200 / **0** / 1 deg/step]
036	Custom Paper 036	ENG	[0 to 200 / **0** / 1 deg/step]
037	Custom Paper 037	ENG	[0 to 200 / **0** / 1 deg/step]
038	Custom Paper 038	ENG	[0 to 200 / **0** / 1 deg/step]
039	Custom Paper 039	ENG	[0 to 200 / **0** / 1 deg/step]
040	Custom Paper 040	ENG	[0 to 200 / **0** / 1 deg/step]
041	Custom Paper 041	ENG	[0 to 200 / **0** / 1 deg/step]

042	Custom Paper 042	ENG	[0 to 200 / **0** / 1 deg/step]
043	Custom Paper 043	ENG	[0 to 200 / **0** / 1 deg/step]
044	Custom Paper 044	ENG	[0 to 200 / **0** / 1 deg/step]
045	Custom Paper 045	ENG	[0 to 200 / **0** / 1 deg/step]
046	Custom Paper 046	ENG	[0 to 200 / **0** / 1 deg/step]
047	Custom Paper 047	ENG	[0 to 200 / **0** / 1 deg/step]
048	Custom Paper 048	ENG	[0 to 200 / **0** / 1 deg/step]
049	Custom Paper 049	ENG	[0 to 200 / **0** / 1 deg/step]
050	Custom Paper 050	ENG	[0 to 200 / **0** / 1 deg/step]
051	Custom Paper 051	ENG	[0 to 200 / **0** / 1 deg/step]
052	Custom Paper 052	ENG	[0 to 200 / **0** / 1 deg/step]
053	Custom Paper 053	ENG	[0 to 200 / **0** / 1 deg/step]
054	Custom Paper 054	ENG	[0 to 200 / **0** / 1 deg/step]
055	Custom Paper 055	ENG	[0 to 200 / **0** / 1 deg/step]
056	Custom Paper 056	ENG	[0 to 200 / **0** / 1 deg/step]
057	Custom Paper 057	ENG	[0 to 200 / **0** / 1 deg/step]
058	Custom Paper 058	ENG	[0 to 200 / **0** / 1 deg/step]
059	Custom Paper 059	ENG	[0 to 200 / **0** / 1 deg/step]
060	Custom Paper 060	ENG	[0 to 200 / **0** / 1 deg/step]
061	Custom Paper 061	ENG	[0 to 200 / **0** / 1 deg/step]
062	Custom Paper 062	ENG	[0 to 200 / **0** / 1 deg/step]
063	Custom Paper 063	ENG	[0 to 200 / **0** / 1 deg/step]
064	Custom Paper 064	ENG	[0 to 200 / **0** / 1 deg/step]
065	Custom Paper 065	ENG	[0 to 200 / **0** / 1 deg/step]
066	Custom Paper 066	ENG	[0 to 200 / **0** / 1 deg/step]
067	Custom Paper 067	ENG	[0 to 200 / **0** / 1 deg/step]

068	Custom Paper 068	ENG	[0 to 200 / **0** / 1 deg/step]
069	Custom Paper 069	ENG	[0 to 200 / **0** / 1 deg/step]
070	Custom Paper 070	ENG	[0 to 200 / **0** / 1 deg/step]
071	Custom Paper 071	ENG	[0 to 200 / **0** / 1 deg/step]
072	Custom Paper 072	ENG	[0 to 200 / **0** / 1 deg/step]
073	Custom Paper 073	ENG	[0 to 200 / **0** / 1 deg/step]
074	Custom Paper 074	ENG	[0 to 200 / **0** / 1 deg/step]
075	Custom Paper 075	ENG	[0 to 200 / **0** / 1 deg/step]
076	Custom Paper 076	ENG	[0 to 200 / **0** / 1 deg/step]
077	Custom Paper 077	ENG	[0 to 200 / **0** / 1 deg/step]
078	Custom Paper 078	ENG	[0 to 200 / **0** / 1 deg/step]
079	Custom Paper 079	ENG	[0 to 200 / **0** / 1 deg/step]
080	Custom Paper 080	ENG	[0 to 200 / **0** / 1 deg/step]
081	Custom Paper 081	ENG	[0 to 200 / **0** / 1 deg/step]
082	Custom Paper 082	ENG	[0 to 200 / **0** / 1 deg/step]
083	Custom Paper 083	ENG	[0 to 200 / **0** / 1 deg/step]
084	Custom Paper 084	ENG	[0 to 200 / **0** / 1 deg/step]
085	Custom Paper 085	ENG	[0 to 200 / **0** / 1 deg/step]
086	Custom Paper 086	ENG	[0 to 200 / **0** / 1 deg/step]
087	Custom Paper 087	ENG	[0 to 200 / **0** / 1 deg/step]
088	Custom Paper 088	ENG	[0 to 200 / **0** / 1 deg/step]
089	Custom Paper 089	ENG	[0 to 200 / **0** / 1 deg/step]
090	Custom Paper 090	ENG	[0 to 200 / **0** / 1 deg/step]
091	Custom Paper 091	ENG	[0 to 200 / **0** / 1 deg/step]
092	Custom Paper 092	ENG	[0 to 200 / **0** / 1 deg/step]
093	Custom Paper 093	ENG	[0 to 200 / **0** / 1 deg/step]

094	Custom Paper 094	ENG	[0 to 200 / **0** / 1 deg/step]
095	Custom Paper 095	ENG	[0 to 200 / **0** / 1 deg/step]
096	Custom Paper 096	ENG	[0 to 200 / **0** / 1 deg/step]
097	Custom Paper 097	ENG	[0 to 200 / **0** / 1 deg/step]
098	Custom Paper 098	ENG	[0 to 200 / **0** / 1 deg/step]
099	Custom Paper 099	ENG	[0 to 200 / **0** / 1 deg/step]
100	Custom Paper 100	ENG	[0 to 200 / **0** / 1 deg/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
111	Uncoated Thick 6:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
125	Matte Thick 5:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
126	Matte Thick 5:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
127	Matte Thick 6:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
128	Matte Thick 6:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
141	Glossy Thick 5:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
143	Glossy Thick 6:L Speed:FC	ENG	[0 to 200 / **148** / 1 deg/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[0 to 200 / **148** / 1 deg/step]
201	Plain:Uncoated:Thin/Thick1:FC	*ENG	[0 to 200 / **138** / 1 deg/step]
202	Plain:Uncoated:Thin/Thick1:Bk	*ENG	[0 to 200 / **138** / 1 deg/step]
203	Plain:Uncoated:Plain1/Thick2:FC	*ENG	[0 to 200 / **150(Pro a)** / 1 deg/step]
204	Plain:Uncoated:Plain1/Thick2:Bk	*ENG	[0 to 200 / **143(Office a), 148(Office b), 145(Pro a), 153(Pro b)** / 1 deg/step]
205	Plain:Uncoated:Plain2/Thick3:FC	*ENG	[0 to 200 / **148** / 1 deg/step]

206	Plain:Uncoated:Plain2/Thick3:Bk	*ENG	[0 to 200 / **148** / 1 deg/step]
207	Plain:Uncoated:Mid-Thick/Thick4:FC	*ENG	[0 to 200 / **158** / 1 deg/step]
208	Plain:Uncoated:Mid-Thick/Thick4:Bk	*ENG	[0 to 200 / **158** / 1 deg/step]
209	Plain:Uncoated:Thick1/Thick5:FC	*ENG	[0 to 200 / **158** / 1 deg/step]
210	Plain:Uncoated:Thick1/Thick5:Bk	*ENG	[0 to 200 / **158** / 1 deg/step]
211	Plain:Uncoated:Thick2/Thick6:FC	*ENG	[0 to 200 / **158** / 1 deg/step]
212	Plain:Uncoated:Thick2/Thick6:Bk	*ENG	[0 to 200 / **158** / 1 deg/step]
213	Plain:Uncoated:Thick3/Thick7:FC	*ENG	[0 to 200 / **158** / 1 deg/step]
214	Plain:Uncoated:Thick3/Thick7:Bk	*ENG	[0 to 200 / **158** / 1 deg/step]
215	Plain:Uncoated:Thick4/Thick8:FC	*ENG	[0 to 200 / **158** / 1 deg/step]
216	Plain:Uncoated:Thick4/Thick8:Bk	*ENG	[0 to 200 / **158** / 1 deg/step]
217	Sp1/Matte:Thin/Thick1:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
218	Sp1/Matte:Thin/Thick1:Bk	*ENG	[0 to 200 / **138** / 1 deg/step]
219	Sp1/Matte:Plain1/Thick2:FC	*ENG	[0 to 200 / **150(Pro a)** / 1 deg/step]
220	Sp1/Matte:Plain1/Thick2:Bk	*ENG	[0 to 200 / **143(Office a), 148(Office b), 145(Pro a), 153(Pro b)** / 1 deg/step]
221	Sp1/Matte:Plain2/Thick3:FC	*ENG	[0 to 200 / **148** / 1 deg/step]
222	Sp1/Matte:Plain2/Thick3:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
223	Sp1/Matte:Mid-Thick/Thick4:FC	*ENG	[0 to 200 / **153(Office a), 158(Office b, Pro a), 163(Pro b)** / 1 deg/step]
224	Sp1/Matte:Mid-Thick/Thick4:Bk	*ENG	[0 to 200 / **153(Office a), 158(Office b, Pro a), 163(Pro b)** / 1 deg/step]
225	Sp1/Matte:Thick1/Thick5:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
226	Sp1/Matte:Thick1/Thick5:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]

227	Sp1/Matte:Thick2/Thick6:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
228	Sp1/Matte:Thick2/Thick6:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
229	Sp1/Matte:Thick3/Thick7:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
230	Sp1/Matte:Thick3/Thick7:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
231	Sp1/Matte:Thick4/Thick8:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
232	Sp1/Matte:Thick4/Thick8:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
233	Sp2/Glossy:Thin/Thick1:FC	*ENG	[0 to 200 / **138** / 1 deg/step]
234	Sp2/Glossy:Thin/Thick1:Bk	*ENG	[0 to 200 / **138** / 1 deg/step]
235	Sp2/Glossy:Plain1/Thick2:FC	*ENG	[0 to 200 / **150(Pro a)** / 1 deg/step]
236	Sp2/Glossy:Plain1/Thick2:Bk	*ENG	[0 to 200 / **143(Office a), 148(Office b), 145(Pro a), 153(Pro b)** / 1 deg/step]
237	Sp2/Glossy:Plain2/Thick3:FC	*ENG	[0 to 200 / **148** / 1 deg/step]
238	Sp2/Glossy:Plain2/Thick3:Bk	*ENG	[0 to 200 / **148** / 1 deg/step]
239	Sp2/Glossy:Mid-Thick/Thick4:FC	*ENG	[0 to 200 / **153(Office a), 158(Office b, Pro a), 163(Pro b)** / 1 deg/step]
240	Sp2/Glossy:Mid-Thick/Thick4:Bk	*ENG	[0 to 200 / **153(Office a), 158(Office b, Pro a), 163(Pro b)** / 1 deg/step]
241	Sp2/Glossy:Thick1/Thick5:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
242	Sp2/Glossy:Thick1/Thick5:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
243	Sp2/Glossy:Thick2/Thick6:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
244	Sp2/Glossy:Thick2/Thick6:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
245	Sp2/Glossy:Thick3/Thick7:FC	*ENG	[0 to 200 / **153** / 1 deg/step]
246	Sp2/Glossy:Thick3/Thick7:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
247	Sp2/Glossy:Thick4/Thick8:FC	*ENG	[0 to 200 / **153** / 1 deg/step]

248	Sp2/Glossy:Thick4/Thick8:Bk	*ENG	[0 to 200 / **153** / 1 deg/step]
249	Envelope:Thick2/Thick6	*ENG	[0 to 200 / **200** / 1 deg/step]
250	Envelope:Thick3/Thick7	*ENG	[0 to 200 / **200** / 1 deg/step]
251	Envelope:Thick4/Thick8	*ENG	[0 to 200 / **200** / 1 deg/step]
252	OHP	*ENG	[0 to 200 / **148** / 1 deg/step]
253	Postcard:Thick1/Thick5	*ENG	[0 to 200 / **148** / 1 deg/step]
254	Postcard:Thick2/Thick6	*ENG	[0 to 200 / **148** / 1 deg/step]

1985	**[Press Roller Temp Setting] *D137/D138 only**		
	Sets Print Target Temp. for Press Roller.		
001	Custom Paper 001	ENG	[50 to 200 / **90** / 1 deg/step]
002	Custom Paper 002	ENG	[50 to 200 / **90** / 1 deg/step]
003	Custom Paper 003	ENG	[50 to 200 / **90** / 1 deg/step]
004	Custom Paper 004	ENG	[50 to 200 / **90** / 1 deg/step]
005	Custom Paper 005	ENG	[50 to 200 / **90** / 1 deg/step]
006	Custom Paper 006	ENG	[50 to 200 / **90** / 1 deg/step]
007	Custom Paper 007	ENG	[50 to 200 / **90** / 1 deg/step]
008	Custom Paper 008	ENG	[50 to 200 / **90** / 1 deg/step]
009	Custom Paper 009	ENG	[50 to 200 / **90** / 1 deg/step]
010	Custom Paper 010	ENG	[50 to 200 / **90** / 1 deg/step]
011	Custom Paper 011	ENG	[50 to 200 / **90** / 1 deg/step]
012	Custom Paper 012	ENG	[50 to 200 / **90** / 1 deg/step]
013	Custom Paper 013	ENG	[50 to 200 / **90** / 1 deg/step]
014	Custom Paper 014	ENG	[50 to 200 / **90** / 1 deg/step]
015	Custom Paper 015	ENG	[50 to 200 / **90** / 1 deg/step]
016	Custom Paper 016	ENG	[50 to 200 / **90** / 1 deg/step]

017	Custom Paper 017	ENG	[50 to 200 / **90** / 1 deg/step]
018	Custom Paper 018	ENG	[50 to 200 / **90** / 1 deg/step]
019	Custom Paper 019	ENG	[50 to 200 / **90** / 1 deg/step]
020	Custom Paper 020	ENG	[50 to 200 / **90** / 1 deg/step]
021	Custom Paper 021	ENG	[50 to 200 / **90** / 1 deg/step]
022	Custom Paper 022	ENG	[50 to 200 / **90** / 1 deg/step]
023	Custom Paper 023	ENG	[50 to 200 / **90** / 1 deg/step]
024	Custom Paper 024	ENG	[50 to 200 / **90** / 1 deg/step]
025	Custom Paper 025	ENG	[50 to 200 / **90** / 1 deg/step]
026	Custom Paper 026	ENG	[50 to 200 / **90** / 1 deg/step]
027	Custom Paper 027	ENG	[50 to 200 / **90** / 1 deg/step]
028	Custom Paper 028	ENG	[50 to 200 / **90** / 1 deg/step]
029	Custom Paper 029	ENG	[50 to 200 / **90** / 1 deg/step]
030	Custom Paper 030	ENG	[50 to 200 / **90** / 1 deg/step]
031	Custom Paper 031	ENG	[50 to 200 / **90** / 1 deg/step]
032	Custom Paper 032	ENG	[50 to 200 / **90** / 1 deg/step]
033	Custom Paper 033	ENG	[50 to 200 / **90** / 1 deg/step]
034	Custom Paper 034	ENG	[50 to 200 / **90** / 1 deg/step]
035	Custom Paper 035	ENG	[50 to 200 / **90** / 1 deg/step]
036	Custom Paper 036	ENG	[50 to 200 / **90** / 1 deg/step]
037	Custom Paper 037	ENG	[50 to 200 / **90** / 1 deg/step]
038	Custom Paper 038	ENG	[50 to 200 / **90** / 1 deg/step]
039	Custom Paper 039	ENG	[50 to 200 / **90** / 1 deg/step]
040	Custom Paper 040	ENG	[50 to 200 / **90** / 1 deg/step]
041	Custom Paper 041	ENG	[50 to 200 / **90** / 1 deg/step]
042	Custom Paper 042	ENG	[50 to 200 / **90** / 1 deg/step]

043	Custom Paper 043	ENG	[50 to 200 / **90** / 1 deg/step]
044	Custom Paper 044	ENG	[50 to 200 / **90** / 1 deg/step]
045	Custom Paper 045	ENG	[50 to 200 / **90** / 1 deg/step]
046	Custom Paper 046	ENG	[50 to 200 / **90** / 1 deg/step]
047	Custom Paper 047	ENG	[50 to 200 / **90** / 1 deg/step]
048	Custom Paper 048	ENG	[50 to 200 / **90** / 1 deg/step]
049	Custom Paper 049	ENG	[50 to 200 / **90** / 1 deg/step]
050	Custom Paper 050	ENG	[50 to 200 / **90** / 1 deg/step]
051	Custom Paper 051	ENG	[50 to 200 / **90** / 1 deg/step]
052	Custom Paper 052	ENG	[50 to 200 / **90** / 1 deg/step]
053	Custom Paper 053	ENG	[50 to 200 / **90** / 1 deg/step]
054	Custom Paper 054	ENG	[50 to 200 / **90** / 1 deg/step]
055	Custom Paper 055	ENG	[50 to 200 / **90** / 1 deg/step]
056	Custom Paper 056	ENG	[50 to 200 / **90** / 1 deg/step]
057	Custom Paper 057	ENG	[50 to 200 / **90** / 1 deg/step]
058	Custom Paper 058	ENG	[50 to 200 / **90** / 1 deg/step]
059	Custom Paper 059	ENG	[50 to 200 / **90** / 1 deg/step]
060	Custom Paper 060	ENG	[50 to 200 / **90** / 1 deg/step]
061	Custom Paper 061	ENG	[50 to 200 / **90** / 1 deg/step]
062	Custom Paper 062	ENG	[50 to 200 / **90** / 1 deg/step]
063	Custom Paper 063	ENG	[50 to 200 / **90** / 1 deg/step]
064	Custom Paper 064	ENG	[50 to 200 / **90** / 1 deg/step]
065	Custom Paper 065	ENG	[50 to 200 / **90** / 1 deg/step]
066	Custom Paper 066	ENG	[50 to 200 / **90** / 1 deg/step]
067	Custom Paper 067	ENG	[50 to 200 / **90** / 1 deg/step]
068	Custom Paper 068	ENG	[50 to 200 / **90** / 1 deg/step]

069	Custom Paper 069	ENG	[50 to 200 / **90** / 1 deg/step]
070	Custom Paper 070	ENG	[50 to 200 / **90** / 1 deg/step]
071	Custom Paper 071	ENG	[50 to 200 / **90** / 1 deg/step]
072	Custom Paper 072	ENG	[50 to 200 / **90** / 1 deg/step]
073	Custom Paper 073	ENG	[50 to 200 / **90** / 1 deg/step]
074	Custom Paper 074	ENG	[50 to 200 / **90** / 1 deg/step]
075	Custom Paper 075	ENG	[50 to 200 / **90** / 1 deg/step]
076	Custom Paper 076	ENG	[50 to 200 / **90** / 1 deg/step]
077	Custom Paper 077	ENG	[50 to 200 / **90** / 1 deg/step]
078	Custom Paper 078	ENG	[50 to 200 / **90** / 1 deg/step]
079	Custom Paper 079	ENG	[50 to 200 / **90** / 1 deg/step]
080	Custom Paper 080	ENG	[50 to 200 / **90** / 1 deg/step]
081	Custom Paper 081	ENG	[50 to 200 / **90** / 1 deg/step]
082	Custom Paper 082	ENG	[50 to 200 / **90** / 1 deg/step]
083	Custom Paper 083	ENG	[50 to 200 / **90** / 1 deg/step]
084	Custom Paper 084	ENG	[50 to 200 / **90** / 1 deg/step]
085	Custom Paper 085	ENG	[50 to 200 / **90** / 1 deg/step]
086	Custom Paper 086	ENG	[50 to 200 / **90** / 1 deg/step]
087	Custom Paper 087	ENG	[50 to 200 / **90** / 1 deg/step]
088	Custom Paper 088	ENG	[50 to 200 / **90** / 1 deg/step]
089	Custom Paper 089	ENG	[50 to 200 / **90** / 1 deg/step]
090	Custom Paper 090	ENG	[50 to 200 / **90** / 1 deg/step]
091	Custom Paper 091	ENG	[50 to 200 / **90** / 1 deg/step]
092	Custom Paper 092	ENG	[50 to 200 / **90** / 1 deg/step]
093	Custom Paper 093	ENG	[50 to 200 / **90** / 1 deg/step]
094	Custom Paper 094	ENG	[50 to 200 / **90** / 1 deg/step]

095	Custom Paper 095	ENG	[50 to 200 / **90** / 1 deg/step]
096	Custom Paper 096	ENG	[50 to 200 / **90** / 1 deg/step]
097	Custom Paper 097	ENG	[50 to 200 / **90** / 1 deg/step]
098	Custom Paper 098	ENG	[50 to 200 / **90** / 1 deg/step]
099	Custom Paper 099	ENG	[50 to 200 / **90** / 1 deg/step]
100	Custom Paper 100	ENG	[50 to 200 / **90** / 1 deg/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]
111	Uncoated Thick 6:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]
125	Matte Thick 5:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
126	Matte Thick 5:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]
127	Matte Thick 6:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
128	Matte Thick 6:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]
141	Glossy Thick 5:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]
143	Glossy Thick 6:L Speed:FC	ENG	[50 to 200 / **130** / 1 deg/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[50 to 200 / **130** / 1 deg/step]

201	Plain:Uncoated:Thin/Thick1:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
202	Plain:Uncoated:Thin/Thick1:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
203	Plain:Uncoated:Plain1/Thick21:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
204	Plain:Uncoated:Plain1/Thick2:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
205	Plain:Uncoated:Plain2/Thick3:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
206	Plain:Uncoated:Plain2/Thick3:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
207	Plain:Uncoated:Mid-Thick/Thick4:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
208	Plain:Uncoated:Mid-Thick/Thick4:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
209	Plain:Uncoated:Thick1/Thick5:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
210	Plain:Uncoated:Thick1/Thick5:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
211	Plain:Uncoated:Thick2/Thick6:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
212	Plain:Uncoated:Thick2/Thick6:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
213	Plain:Uncoated:Thick3/Thick7:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
214	Plain:Uncoated:Thick3/Thick7:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
215	Plain:Uncoated:Thick4/Thick8:FC	*ENG	[50 to 200 / **130** / 1 deg/step]

216	Plain:Uncoated:Thick4/Thick8:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
217	Sp1/Matte:Thin/Thick1:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
218	Sp1/Matte:Thin/Thick1:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
219	Sp1/Matte:Plain1/Thick21:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
220	Sp1/Matte:Plain1/Thick2:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
221	Sp1/Matte:Plain2/Thick3:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
222	Sp1/Matte:Plain2/Thick3:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
223	Sp1/Matte:Mid-Thick/Thick4:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
224	Sp1/Matte:Mid-Thick/Thick4:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
225	Sp1/Matte:Thick1/Thick5:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
226	Sp1/Matte:Thick1/Thick5:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
227	Sp1/Matte:Thick2/Thick6:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
228	Sp1/Matte:Thick2/Thick6:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
229	Sp1/Matte:Thick3/Thick7:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
230	Sp1/Matte:Thick3/Thick7:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]

231	Sp1/Matte:Thick4/Thick8:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
232	Sp1/Matte:Thick4/Thick8:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
233	Sp2/Glossy:Thin/Thick1:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
234	Sp2/Glossy:Thin/Thick1:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
235	Sp2/Glossy:Plain1/Thick21:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
236	Sp2/Glossy:Plain1/Thick2:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
237	Sp2/Glossy:Plain2/Thick3:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
238	Sp2/Glossy:Plain2/Thick3:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
239	Sp2/Glossy:Mid-Thick/Thick4:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
240	Sp2/Glossy:Mid-Thick/Thick4:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
241	Sp2/Glossy:Thick1/Thick5:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
242	Sp2/Glossy:Thick1/Thick5:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
243	Sp2/Glossy:Thick2/Thick6:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
244	Sp2/Glossy:Thick2/Thick6:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
245	Sp2/Glossy:Thick3/Thick7:FC	*ENG	[50 to 200 / **130** / 1 deg/step]

246	Sp2/Glossy:Thick3/Thick7:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
247	Sp2/Glossy:Thick4/Thick8:FC	*ENG	[50 to 200 / **130** / 1 deg/step]
248	Sp2/Glossy:Thick4/Thick8:Bk	*ENG	[50 to 200 / **130** / 1 deg/step]
249	Envelope:Thick2/Thick6	*ENG	[50 to 200 / **130** / 1 deg/step]
250	Envelope:Thick3/Thick7	*ENG	[50 to 200 / **130** / 1 deg/step]
251	Envelope:Thick4/Thick8	*ENG	[50 to 200 / **130** / 1 deg/step]
252	OHP	*ENG	[50 to 200 / **130** / 1 deg/step]
253	Glossy	*ENG	[50 to 200 / **130** / 1 deg/step]
254	Postcard:Thick2/Thick6	*ENG	[50 to 200 / **130** / 1 deg/step]

1986	**[Process Speed] *D137/D138 only**		
	Selects Process Speed.		
001	Custom Paper 001	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
002	Custom Paper 002	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

003	Custom Paper 003	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
004	Custom Paper 004	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
005	Custom Paper 005	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
006	Custom Paper 006	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
007	Custom Paper 007	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
008	Custom Paper 008	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
009	Custom Paper 009	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
010	Custom Paper 010	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

011	Custom Paper 011	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
012	Custom Paper 012	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
013	Custom Paper 013	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
014	Custom Paper 014	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
015	Custom Paper 015	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
016	Custom Paper 016	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
017	Custom Paper 017	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
018	Custom Paper 018	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

019	Custom Paper 019	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
020	Custom Paper 020	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
021	Custom Paper 021	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
022	Custom Paper 022	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
023	Custom Paper 023	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
024	Custom Paper 024	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
025	Custom Paper 025	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
026	Custom Paper 026	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

027	Custom Paper 027	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
028	Custom Paper 028	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
029	Custom Paper 029	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
030	Custom Paper 030	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
031	Custom Paper 031	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
032	Custom Paper 032	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
033	Custom Paper 033	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
034	Custom Paper 034	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

035	Custom Paper 035	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
036	Custom Paper 036	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
037	Custom Paper 037	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
038	Custom Paper 038	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
039	Custom Paper 039	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
040	Custom Paper 040	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
041	Custom Paper 041	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
042	Custom Paper 042	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

043	Custom Paper 043	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
044	Custom Paper 044	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
045	Custom Paper 045	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
046	Custom Paper 046	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
047	Custom Paper 047	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
048	Custom Paper 048	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
049	Custom Paper 049	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
050	Custom Paper 050	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

051	Custom Paper 051	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
052	Custom Paper 052	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
053	Custom Paper 053	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
054	Custom Paper 054	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
055	Custom Paper 055	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
056	Custom Paper 056	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
057	Custom Paper 057	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
058	Custom Paper 058	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

059	Custom Paper 059	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
060	Custom Paper 060	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
061	Custom Paper 061	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
062	Custom Paper 062	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
063	Custom Paper 063	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
064	Custom Paper 064	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
065	Custom Paper 065	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
066	Custom Paper 066	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

067	Custom Paper 067	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
068	Custom Paper 068	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
069	Custom Paper 069	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
070	Custom Paper 070	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
071	Custom Paper 071	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
072	Custom Paper 072	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
073	Custom Paper 073	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
074	Custom Paper 074	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

075	Custom Paper 075	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
076	Custom Paper 076	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
077	Custom Paper 077	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
078	Custom Paper 078	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
079	Custom Paper 079	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
080	Custom Paper 080	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
081	Custom Paper 081	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
082	Custom Paper 082	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

083	Custom Paper 083	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
084	Custom Paper 084	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
085	Custom Paper 085	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
086	Custom Paper 086	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
087	Custom Paper 087	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
088	Custom Paper 088	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
089	Custom Paper 089	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
090	Custom Paper 090	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

091	Custom Paper 091	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
092	Custom Paper 092	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
093	Custom Paper 093	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
094	Custom Paper 094	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
095	Custom Paper 095	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
096	Custom Paper 096	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
097	Custom Paper 097	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
098	Custom Paper 098	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

099	Custom Paper 099	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
100	Custom Paper 100	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
109	Uncoated Thick 5:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
110	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
111	Uncoated Thick 6:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
112	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
125	Matte Thick 5:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
126	Matte Thick 5:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

127	Matte Thick 6:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
128	Matte Thick 6:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
141	Glossy Thick 5:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
142	Glossy Thick 5:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
143	Glossy Thick 6:L Speed:FC	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
144	Glossy Thick 6:L Speed:Bk	ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
201	Uncoated:Thick1:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
202	Uncoated:Thick1:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

203	Uncoated:Thick21:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
204	Uncoated:Thick2:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
205	Uncoated:Thick3:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
206	Uncoated:Thick3:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
207	Uncoated:Thick4:FC	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
208	Uncoated:Thick4:Bk	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
209	Uncoated:Thick5:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
210	Uncoated:Thick5:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

211	Uncoated:Thick6:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
212	Uncoated:Thick6:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
213	Uncoated:Thick7:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
214	Uncoated:Thick7:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
215	Uncoated:Thick8:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
216	Uncoated:Thick8:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
217	Matte:Thick1:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
218	Matte:Thick1:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

219	Matte:Thick21:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
220	Matte:Thick2:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
221	Matte:Thick3:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
222	Matte:Thick3:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
223	Matte:Thick4:FC	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
224	Matte:Thick4:Bk	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
225	Matte:Thick5:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
226	Matte:Thick5:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

227	Matte:Thick6:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
228	Matte:Thick6:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
229	Matte:Thick7:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
230	Matte:Thick7:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
231	Matte:Thick8:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
232	Matte:Thick8:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
233	Glossy:Thick1:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
234	Glossy:Thick1:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

235	Glossy:Thick21:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
236	Glossy:Thick2:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
237	Glossy:Thick3:FC	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
238	Glossy:Thick3:Bk	*ENG	[0 to 3 / **0** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
239	Glossy:Thick4:FC	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
240	Glossy:Thick4:Bk	*ENG	[0 to 3 / **1** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
241	Glossy:Thick5:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
242	Glossy:Thick5:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

243	Glossy:Thick6:FC	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
244	Glossy:Thick6:Bk	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
245	Glossy:Thick7:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
246	Glossy:Thick7:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
247	Glossy:Thick8:FC	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
248	Glossy:Thick8:Bk	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
249	Envelope:Thick6	*ENG	[0 to 3 / **3(Pro a, Pro b)** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
250	Envelope:Thick7	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

251	Envelope:Thick8	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
252	OHP	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
253	Glossy	*ENG	[0 to 3 / **3** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd
254	Postcard:Thick6	*ENG	[0 to 3 / **2** / 1/step] 0: Std Spd 1: Mid Spd 3: Low Spd

1987	**[Fusing Mtr Rotation Correct] *D137/D138 only**		
	Fine-tunes Fusing Speed in the range of -10.0 to +10.0%.		
001	Custom Paper 001	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
002	Custom Paper 002	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
003	Custom Paper 003	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
004	Custom Paper 004	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
005	Custom Paper 005	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
006	Custom Paper 006	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
007	Custom Paper 007	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
008	Custom Paper 008	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
009	Custom Paper 009	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
010	Custom Paper 010	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
011	Custom Paper 011	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

012	Custom Paper 012	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
013	Custom Paper 013	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
014	Custom Paper 014	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
015	Custom Paper 015	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
016	Custom Paper 016	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
017	Custom Paper 017	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
018	Custom Paper 018	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
019	Custom Paper 019	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
020	Custom Paper 020	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
021	Custom Paper 021	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
022	Custom Paper 022	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
023	Custom Paper 023	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
024	Custom Paper 024	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
025	Custom Paper 025	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
026	Custom Paper 026	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
027	Custom Paper 027	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
028	Custom Paper 028	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
029	Custom Paper 029	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
030	Custom Paper 030	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
031	Custom Paper 031	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
032	Custom Paper 032	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
033	Custom Paper 033	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
034	Custom Paper 034	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
035	Custom Paper 035	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
036	Custom Paper 036	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
037	Custom Paper 037	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

038	Custom Paper 038	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
039	Custom Paper 039	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
040	Custom Paper 040	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
041	Custom Paper 041	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
042	Custom Paper 042	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
043	Custom Paper 043	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
044	Custom Paper 044	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
045	Custom Paper 045	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
046	Custom Paper 046	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
047	Custom Paper 047	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
048	Custom Paper 048	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
049	Custom Paper 049	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
050	Custom Paper 050	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
051	Custom Paper 051	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
052	Custom Paper 052	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
053	Custom Paper 053	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
054	Custom Paper 054	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
055	Custom Paper 055	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
056	Custom Paper 056	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
057	Custom Paper 057	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
058	Custom Paper 058	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
059	Custom Paper 059	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
060	Custom Paper 060	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
061	Custom Paper 061	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
062	Custom Paper 062	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
063	Custom Paper 063	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

064	Custom Paper 064	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
065	Custom Paper 065	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
066	Custom Paper 066	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
067	Custom Paper 067	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
068	Custom Paper 068	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
069	Custom Paper 069	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
070	Custom Paper 070	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
071	Custom Paper 071	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
072	Custom Paper 072	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
073	Custom Paper 073	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
074	Custom Paper 074	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
075	Custom Paper 075	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
076	Custom Paper 076	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
077	Custom Paper 077	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
078	Custom Paper 078	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
079	Custom Paper 079	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
080	Custom Paper 080	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
081	Custom Paper 081	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
082	Custom Paper 082	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
083	Custom Paper 083	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
084	Custom Paper 084	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
085	Custom Paper 085	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
086	Custom Paper 086	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
087	Custom Paper 087	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
088	Custom Paper 088	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
089	Custom Paper 089	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

090	Custom Paper 090	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
091	Custom Paper 091	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
092	Custom Paper 092	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
093	Custom Paper 093	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
094	Custom Paper 094	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
095	Custom Paper 095	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
096	Custom Paper 096	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
097	Custom Paper 097	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
098	Custom Paper 098	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
099	Custom Paper 099	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
100	Custom Paper 100	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
111	Uncoated Thick 6:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
125	Matte Thick 5:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
126	Matte Thick 5:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
127	Matte Thick 6:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
128	Matte Thick 6:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
141	Glossy Thick 5:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
143	Glossy Thick 6:L Speed:FC	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
201	Uncoated:Thick1:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
202	Uncoated:Thick1:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
203	Uncoated:Thick21:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

204	Uncoated:Thick2:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
205	Uncoated:Thick3:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
206	Uncoated:Thick3:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
207	Uncoated:Thick4:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
208	Uncoated:Thick4:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
209	Uncoated:Thick5:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
210	Uncoated:Thick5:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
211	Uncoated:Thick6:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
212	Uncoated:Thick6:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
213	Uncoated:Thick7:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
214	Uncoated:Thick7:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
215	Uncoated:Thick8:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
216	Uncoated:Thick8:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
217	Matte:Thick1:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
218	Matte:Thick1:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
219	Matte:Thick21:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
220	Matte:Thick2:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
221	Matte:Thick3:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
222	Matte:Thick3:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
223	Matte:Thick4:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
224	Matte:Thick4:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
225	Matte:Thick5:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
226	Matte:Thick5:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
227	Matte:Thick6:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
228	Matte:Thick6:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
229	Matte:Thick7:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

230	Matte:Thick7:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
231	Matte:Thick8:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
232	Matte:Thick8:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
233	Glossy:Thick1:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
234	Glossy:Thick1:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
235	Glossy:Thick21:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
236	Glossy:Thick2:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
237	Glossy:Thick3:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
238	Glossy:Thick3:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
239	Glossy:Thick4:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
240	Glossy:Thick4:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
241	Glossy:Thick5:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
242	Glossy:Thick5:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
243	Glossy:Thick6:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
244	Glossy:Thick6:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
245	Glossy:Thick7:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
246	Glossy:Thick7:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
247	Glossy:Thick8:FC	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
248	Glossy:Thick8:Bk	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
249	Envelope:Thick6	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
250	Envelope:Thick7	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
251	Envelope:Thick8	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
252	OHP	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
253	Glossy	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]
254	Postcard:Thick6	*ENG	[-10.0 to 10.0 / **0.0** / 0.1 %/step]

1988	[CPM Adjustment] *D137/D138 only		
	Adjusts Def-CPM in the range of 1 to 100%.		
001	Custom Paper 001	ENG	[1 to 100 / **100** / 1 %/step]
002	Custom Paper 002	ENG	[1 to 100 / **100** / 1 %/step]
003	Custom Paper 003	ENG	[1 to 100 / **100** / 1 %/step]
004	Custom Paper 004	ENG	[1 to 100 / **100** / 1 %/step]
005	Custom Paper 005	ENG	[1 to 100 / **100** / 1 %/step]
006	Custom Paper 006	ENG	[1 to 100 / **100** / 1 %/step]
007	Custom Paper 007	ENG	[1 to 100 / **100** / 1 %/step]
008	Custom Paper 008	ENG	[1 to 100 / **100** / 1 %/step]
009	Custom Paper 009	ENG	[1 to 100 / **100** / 1 %/step]
010	Custom Paper 010	ENG	[1 to 100 / **100** / 1 %/step]
011	Custom Paper 011	ENG	[1 to 100 / **100** / 1 %/step]
012	Custom Paper 012	ENG	[1 to 100 / **100** / 1 %/step]
013	Custom Paper 013	ENG	[1 to 100 / **100** / 1 %/step]
014	Custom Paper 014	ENG	[1 to 100 / **100** / 1 %/step]
015	Custom Paper 015	ENG	[1 to 100 / **100** / 1 %/step]
016	Custom Paper 016	ENG	[1 to 100 / **100** / 1 %/step]
017	Custom Paper 017	ENG	[1 to 100 / **100** / 1 %/step]
018	Custom Paper 018	ENG	[1 to 100 / **100** / 1 %/step]
019	Custom Paper 019	ENG	[1 to 100 / **100** / 1 %/step]
020	Custom Paper 020	ENG	[1 to 100 / **100** / 1 %/step]
021	Custom Paper 021	ENG	[1 to 100 / **100** / 1 %/step]
022	Custom Paper 022	ENG	[1 to 100 / **100** / 1 %/step]
023	Custom Paper 023	ENG	[1 to 100 / **100** / 1 %/step]
024	Custom Paper 024	ENG	[1 to 100 / **100** / 1 %/step]

025	Custom Paper 025	ENG	[1 to 100 / **100** / 1 %/step]
026	Custom Paper 026	ENG	[1 to 100 / **100** / 1 %/step]
027	Custom Paper 027	ENG	[1 to 100 / **100** / 1 %/step]
028	Custom Paper 028	ENG	[1 to 100 / **100** / 1 %/step]
029	Custom Paper 029	ENG	[1 to 100 / **100** / 1 %/step]
030	Custom Paper 030	ENG	[1 to 100 / **100** / 1 %/step]
031	Custom Paper 031	ENG	[1 to 100 / **100** / 1 %/step]
032	Custom Paper 032	ENG	[1 to 100 / **100** / 1 %/step]
033	Custom Paper 033	ENG	[1 to 100 / **100** / 1 %/step]
034	Custom Paper 034	ENG	[1 to 100 / **100** / 1 %/step]
035	Custom Paper 035	ENG	[1 to 100 / **100** / 1 %/step]
036	Custom Paper 036	ENG	[1 to 100 / **100** / 1 %/step]
037	Custom Paper 037	ENG	[1 to 100 / **100** / 1 %/step]
038	Custom Paper 038	ENG	[1 to 100 / **100** / 1 %/step]
039	Custom Paper 039	ENG	[1 to 100 / **100** / 1 %/step]
040	Custom Paper 040	ENG	[1 to 100 / **100** / 1 %/step]
041	Custom Paper 041	ENG	[1 to 100 / **100** / 1 %/step]
042	Custom Paper 042	ENG	[1 to 100 / **100** / 1 %/step]
043	Custom Paper 043	ENG	[1 to 100 / **100** / 1 %/step]
044	Custom Paper 044	ENG	[1 to 100 / **100** / 1 %/step]
045	Custom Paper 045	ENG	[1 to 100 / **100** / 1 %/step]
046	Custom Paper 046	ENG	[1 to 100 / **100** / 1 %/step]
047	Custom Paper 047	ENG	[1 to 100 / **100** / 1 %/step]
048	Custom Paper 048	ENG	[1 to 100 / **100** / 1 %/step]
049	Custom Paper 049	ENG	[1 to 100 / **100** / 1 %/step]
050	Custom Paper 050	ENG	[1 to 100 / **100** / 1 %/step]

051	Custom Paper 051	ENG	[1 to 100 / **100** / 1 %/step]
052	Custom Paper 052	ENG	[1 to 100 / **100** / 1 %/step]
053	Custom Paper 053	ENG	[1 to 100 / **100** / 1 %/step]
054	Custom Paper 054	ENG	[1 to 100 / **100** / 1 %/step]
055	Custom Paper 055	ENG	[1 to 100 / **100** / 1 %/step]
056	Custom Paper 056	ENG	[1 to 100 / **100** / 1 %/step]
057	Custom Paper 057	ENG	[1 to 100 / **100** / 1 %/step]
058	Custom Paper 058	ENG	[1 to 100 / **100** / 1 %/step]
059	Custom Paper 059	ENG	[1 to 100 / **100** / 1 %/step]
060	Custom Paper 060	ENG	[1 to 100 / **100** / 1 %/step]
061	Custom Paper 061	ENG	[1 to 100 / **100** / 1 %/step]
062	Custom Paper 062	ENG	[1 to 100 / **100** / 1 %/step]
063	Custom Paper 063	ENG	[1 to 100 / **100** / 1 %/step]
064	Custom Paper 064	ENG	[1 to 100 / **100** / 1 %/step]
065	Custom Paper 065	ENG	[1 to 100 / **100** / 1 %/step]
066	Custom Paper 066	ENG	[1 to 100 / **100** / 1 %/step]
067	Custom Paper 067	ENG	[1 to 100 / **100** / 1 %/step]
068	Custom Paper 068	ENG	[1 to 100 / **100** / 1 %/step]
069	Custom Paper 069	ENG	[1 to 100 / **100** / 1 %/step]
070	Custom Paper 070	ENG	[1 to 100 / **100** / 1 %/step]
071	Custom Paper 071	ENG	[1 to 100 / **100** / 1 %/step]
072	Custom Paper 072	ENG	[1 to 100 / **100** / 1 %/step]
073	Custom Paper 073	ENG	[1 to 100 / **100** / 1 %/step]
074	Custom Paper 074	ENG	[1 to 100 / **100** / 1 %/step]
075	Custom Paper 075	ENG	[1 to 100 / **100** / 1 %/step]
076	Custom Paper 076	ENG	[1 to 100 / **100** / 1 %/step]

077	Custom Paper 077	ENG	[1 to 100 / **100** / 1 %/step]
078	Custom Paper 078	ENG	[1 to 100 / **100** / 1 %/step]
079	Custom Paper 079	ENG	[1 to 100 / **100** / 1 %/step]
080	Custom Paper 080	ENG	[1 to 100 / **100** / 1 %/step]
081	Custom Paper 081	ENG	[1 to 100 / **100** / 1 %/step]
082	Custom Paper 082	ENG	[1 to 100 / **100** / 1 %/step]
083	Custom Paper 083	ENG	[1 to 100 / **100** / 1 %/step]
084	Custom Paper 084	ENG	[1 to 100 / **100** / 1 %/step]
085	Custom Paper 085	ENG	[1 to 100 / **100** / 1 %/step]
086	Custom Paper 086	ENG	[1 to 100 / **100** / 1 %/step]
087	Custom Paper 087	ENG	[1 to 100 / **100** / 1 %/step]
088	Custom Paper 088	ENG	[1 to 100 / **100** / 1 %/step]
089	Custom Paper 089	ENG	[1 to 100 / **100** / 1 %/step]
090	Custom Paper 090	ENG	[1 to 100 / **100** / 1 %/step]
091	Custom Paper 091	ENG	[1 to 100 / **100** / 1 %/step]
092	Custom Paper 092	ENG	[1 to 100 / **100** / 1 %/step]
093	Custom Paper 093	ENG	[1 to 100 / **100** / 1 %/step]
094	Custom Paper 094	ENG	[1 to 100 / **100** / 1 %/step]
095	Custom Paper 095	ENG	[1 to 100 / **100** / 1 %/step]
096	Custom Paper 096	ENG	[1 to 100 / **100** / 1 %/step]
097	Custom Paper 097	ENG	[1 to 100 / **100** / 1 %/step]
098	Custom Paper 098	ENG	[1 to 100 / **100** / 1 %/step]
099	Custom Paper 099	ENG	[1 to 100 / **100** / 1 %/step]
100	Custom Paper 100	ENG	[1 to 100 / **100** / 1 %/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]

111	Uncoated Thick 6:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]
125	Matte Thick 5:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
126	Matte Thick 5:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]
127	Matte Thick 6:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
128	Matte Thick 6:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]
141	Glossy Thick 5:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]
143	Glossy Thick 6:L Speed:FC	ENG	[1 to 100 / **100** / 1 %/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[1 to 100 / **100** / 1 %/step]
201	Uncoated:Thick1:FC	*ENG	[1 to 100 / **100** / 1 %/step]
202	Uncoated:Thick1:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
203	Uncoated:Thick21:FC	*ENG	[1 to 100 / **100** / 1 %/step]
204	Uncoated:Thick2:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
205	Uncoated:Thick3:FC	*ENG	[1 to 100 / **100** / 1 %/step]
206	Uncoated:Thick3:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
207	Uncoated:Thick4:FC	*ENG	[1 to 100 / **100** / 1 %/step]
208	Uncoated:Thick4:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
209	Uncoated:Thick5:FC	*ENG	[1 to 100 / **100** / 1 %/step]
210	Uncoated:Thick5:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
211	Uncoated:Thick6:FC	*ENG	[1 to 100 / **100** / 1 %/step]
212	Uncoated:Thick6:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
213	Uncoated:Thick7:FC	*ENG	[1 to 100 / **100** / 1 %/step]
214	Uncoated:Thick7:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
215	Uncoated:Thick8:FC	*ENG	[1 to 100 / **100** / 1 %/step]
216	Uncoated:Thick8:Bk	*ENG	[1 to 100 / **100** / 1 %/step]

217	Matte:Thick1:FC	*ENG	[1 to 100 / **100** / 1 %/step]
218	Matte:Thick1:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
219	Matte:Thick21:FC	*ENG	[1 to 100 / **100** / 1 %/step]
220	Matte:Thick2:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
221	Matte:Thick3:FC	*ENG	[1 to 100 / **100** / 1 %/step]
222	Matte:Thick3:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
223	Matte:Thick4:FC	*ENG	[1 to 100 / **100** / 1 %/step]
224	Matte:Thick4:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
225	Matte:Thick5:FC	*ENG	[1 to 100 / **100** / 1 %/step]
226	Matte:Thick5:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
227	Matte:Thick6:FC	*ENG	[1 to 100 / **100** / 1 %/step]
228	Matte:Thick6:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
229	Matte:Thick7:FC	*ENG	[1 to 100 / **100** / 1 %/step]
230	Matte:Thick7:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
231	Matte:Thick8:FC	*ENG	[1 to 100 / **100** / 1 %/step]
232	Matte:Thick8:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
233	Glossy:Thick1:FC	*ENG	[1 to 100 / **100** / 1 %/step]
234	Glossy:Thick1:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
235	Glossy:Thick21:FC	*ENG	[1 to 100 / **100** / 1 %/step]
236	Glossy:Thick2:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
237	Glossy:Thick3:FC	*ENG	[1 to 100 / **100** / 1 %/step]
238	Glossy:Thick3:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
239	Glossy:Thick4:FC	*ENG	[1 to 100 / **100** / 1 %/step]
240	Glossy:Thick4:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
241	Glossy:Thick5:FC	*ENG	[1 to 100 / **100** / 1 %/step]
242	Glossy:Thick5:Bk	*ENG	[1 to 100 / **100** / 1 %/step]

243	Glossy:Thick6:FC	*ENG	[1 to 100 / **100** / 1 %/step]
244	Glossy:Thick6:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
245	Glossy:Thick7:FC	*ENG	[1 to 100 / **100** / 1 %/step]
246	Glossy:Thick7:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
247	Glossy:Thick8:FC	*ENG	[1 to 100 / **100** / 1 %/step]
248	Glossy:Thick8:Bk	*ENG	[1 to 100 / **100** / 1 %/step]
249	Envelope:Thick6	*ENG	[1 to 100 / **100** / 1 %/step]
250	Envelope:Thick7	*ENG	[1 to 100 / **100** / 1 %/step]
251	Envelope:Thick8	*ENG	[1 to 100 / **100** / 1 %/step]
252	OHP	*ENG	[1 to 100 / **100** / 1 %/step]
253	Glossy	*ENG	[1 to 100 / **100** / 1 %/step]
254	Postcard:Thick6	*ENG	[1 to 100 / **100** / 1 %/step]

3.6 SP1-989 TO 998 (FEED)

1989	**[Nip Width Setting] *D137/D138 only**		
	Changes the Nip position.		
001	Custom Paper 001	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
002	Custom Paper 002	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
003	Custom Paper 003	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
004	Custom Paper 004	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
005	Custom Paper 005	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

006	Custom Paper 006	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
007	Custom Paper 007	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
008	Custom Paper 008	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
009	Custom Paper 009	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
010	Custom Paper 010	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
011	Custom Paper 011	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

012	Custom Paper 012	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
013	Custom Paper 013	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
014	Custom Paper 014	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
015	Custom Paper 015	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
016	Custom Paper 016	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
017	Custom Paper 017	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

018	Custom Paper 018	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
019	Custom Paper 019	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
020	Custom Paper 020	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
021	Custom Paper 021	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
022	Custom Paper 022	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
023	Custom Paper 023	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

024	Custom Paper 024	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
025	Custom Paper 025	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
026	Custom Paper 026	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
027	Custom Paper 027	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
028	Custom Paper 028	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
029	Custom Paper 029	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

030	Custom Paper 030	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
031	Custom Paper 031	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
032	Custom Paper 032	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
033	Custom Paper 033	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
034	Custom Paper 034	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
035	Custom Paper 035	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

036	Custom Paper 036	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
037	Custom Paper 037	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
038	Custom Paper 038	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
039	Custom Paper 039	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
040	Custom Paper 040	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
041	Custom Paper 041	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

042	Custom Paper 042	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
043	Custom Paper 043	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
044	Custom Paper 044	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
045	Custom Paper 045	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
046	Custom Paper 046	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
047	Custom Paper 047	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

048	Custom Paper 048	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
049	Custom Paper 049	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
050	Custom Paper 050	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
051	Custom Paper 051	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
052	Custom Paper 052	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
053	Custom Paper 053	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

054	Custom Paper 054	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
055	Custom Paper 055	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
056	Custom Paper 056	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
057	Custom Paper 057	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
058	Custom Paper 058	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
059	Custom Paper 059	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

060	Custom Paper 060	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
061	Custom Paper 061	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
062	Custom Paper 062	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
063	Custom Paper 063	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
064	Custom Paper 064	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
065	Custom Paper 065	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

066	Custom Paper 066	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
067	Custom Paper 067	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
068	Custom Paper 068	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
069	Custom Paper 069	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
070	Custom Paper 070	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
071	Custom Paper 071	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

072	Custom Paper 072	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
073	Custom Paper 073	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
074	Custom Paper 074	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
075	Custom Paper 075	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
076	Custom Paper 076	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
077	Custom Paper 077	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

078	Custom Paper 078	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
079	Custom Paper 079	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
080	Custom Paper 080	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
081	Custom Paper 081	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
082	Custom Paper 082	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
083	Custom Paper 083	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

084	Custom Paper 084	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
085	Custom Paper 085	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
086	Custom Paper 086	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
087	Custom Paper 087	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
088	Custom Paper 088	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
089	Custom Paper 089	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

090	Custom Paper 090	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
091	Custom Paper 091	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
092	Custom Paper 092	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
093	Custom Paper 093	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
094	Custom Paper 094	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
095	Custom Paper 095	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

096	Custom Paper 096	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
097	Custom Paper 097	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
098	Custom Paper 098	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
099	Custom Paper 099	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
100	Custom Paper 100	ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
109	Uncoated Thick 5:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

110	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
111	Uncoated Thick 6:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
112	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
125	Matte Thick 5:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
126	Matte Thick 5:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
127	Matte Thick 6:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

128	Matte Thick 6:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
141	Glossy Thick 5:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
142	Glossy Thick 5:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
143	Glossy Thick 6:L Speed:FC	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
144	Glossy Thick 6:L Speed:Bk	ENG	[0 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
201	Plain:Uncoated:Thin/Thick1:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

202	Plain:Uncoated:Thin/Thick1:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
203	Plain:Uncoated:Plain1/Thick21:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
204	Plain:Uncoated:Plain1/Thick2:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
205	Plain:Uncoated:Plain2/Thick3:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
206	Plain:Uncoated:Plain2/Thick3:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
207	Plain:Uncoated:Mid-Thick/Thick4:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

208	Plain:Uncoated:Mid-Thick/Thick4:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
209	Plain:Uncoated:Thick1/Thick5:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
210	Plain:Uncoated:Thick1/Thick5:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
211	Plain:Uncoated:Thick2/Thick6:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
212	Plain:Uncoated:Thick2/Thick6:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
213	Plain:Uncoated:Thick3/Thick7:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

214	Plain:Uncoated:Thick3/Thick7:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
215	Plain:Uncoated:Thick4/Thick8:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
216	Plain:Uncoated:Thick4/Thick8:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
217	Sp1/Matte:Thin/Thick1:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
218	Sp1/Matte:Thin/Thick1:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
219	Sp1/Matte:Plain1/Thick21:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

220	Sp1/Matte:Plain1/Thick2:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
221	Sp1/Matte:Plain2/Thick3:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
222	Sp1/Matte:Plain2/Thick3:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
223	Sp1/Matte:Mid-Thick/Thick4:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
224	Sp1/Matte:Mid-Thick/Thick4:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
225	Sp1/Matte:Thick1/Thick5:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

226	Sp1/Matte:Thick1/Thick5:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
227	Sp1/Matte:Thick2/Thick6:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
228	Sp1/Matte:Thick2/Thick6:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
229	Sp1/Matte:Thick3/Thick7:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
230	Sp1/Matte:Thick3/Thick7:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
231	Sp1/Matte:Thick4/Thick8:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

232	Sp1/Matte:Thick4/Thick8:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
233	Sp2/Glossy:Thin/Thick1:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
234	Sp2/Glossy:Thin/Thick1:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
235	Sp2/Glossy:Plain1/Thick21:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
236	Sp2/Glossy:Plain1/Thick2:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
237	Sp2/Glossy:Plain2/Thick3:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

238	Sp2/Glossy:Plain2/Thick3:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
239	Sp2/Glossy:Mid-Thick/Thick4:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
240	Sp2/Glossy:Mid-Thick/Thick4:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
241	Sp2/Glossy:Thick1/Thick5:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
242	Sp2/Glossy:Thick1/Thick5:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
243	Sp2/Glossy:Thick2/Thick6:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

244	Sp2/Glossy:Thick2/Thick6:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
245	Sp2/Glossy:Thick3/Thick7:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
246	Sp2/Glossy:Thick3/Thick7:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
247	Sp2/Glossy:Thick4/Thick8:FC	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
248	Sp2/Glossy:Thick4/Thick8:Bk	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
249	Envelope:Thick2/Thick6	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

250	Envelope:Thick3/Thick7	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
251	Envelope:Thick4/Thick8	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
252	OHP	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
253	Glossy	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)
254	Postcard:Thick2/Thick6	*ENG	[1 to 3 / **3** / 1/step] 1: Press (for reverse rotation when jamed) 2: Press2 (Envelope Feed Nip Width) 3: Press3 (Normal Feed Nip Width)

1990	**[IniCPMDwn:EnvLowTmp:UnitLowTmp] *D137/D138 only**		
	EnvLowTmp: Sets Initial CPM Down rate for Unit Low Temperature.		
001	Custom Paper 001	ENG	[0 to 3 / **0** / 1/step]

002	Custom Paper 002	ENG	[0 to 3 / **0** / 1/step]
003	Custom Paper 003	ENG	[0 to 3 / **0** / 1/step]
004	Custom Paper 004	ENG	[0 to 3 / **0** / 1/step]
005	Custom Paper 005	ENG	[0 to 3 / **0** / 1/step]
006	Custom Paper 006	ENG	[0 to 3 / **0** / 1/step]
007	Custom Paper 007	ENG	[0 to 3 / **0** / 1/step]
008	Custom Paper 008	ENG	[0 to 3 / **0** / 1/step]
009	Custom Paper 009	ENG	[0 to 3 / **0** / 1/step]
010	Custom Paper 010	ENG	[0 to 3 / **0** / 1/step]
011	Custom Paper 011	ENG	[0 to 3 / **0** / 1/step]
012	Custom Paper 012	ENG	[0 to 3 / **0** / 1/step]
013	Custom Paper 013	ENG	[0 to 3 / **0** / 1/step]
014	Custom Paper 014	ENG	[0 to 3 / **0** / 1/step]
015	Custom Paper 015	ENG	[0 to 3 / **0** / 1/step]
016	Custom Paper 016	ENG	[0 to 3 / **0** / 1/step]
017	Custom Paper 017	ENG	[0 to 3 / **0** / 1/step]
018	Custom Paper 018	ENG	[0 to 3 / **0** / 1/step]
019	Custom Paper 019	ENG	[0 to 3 / **0** / 1/step]
020	Custom Paper 020	ENG	[0 to 3 / **0** / 1/step]
021	Custom Paper 021	ENG	[0 to 3 / **0** / 1/step]
022	Custom Paper 022	ENG	[0 to 3 / **0** / 1/step]
023	Custom Paper 023	ENG	[0 to 3 / **0** / 1/step]
024	Custom Paper 024	ENG	[0 to 3 / **0** / 1/step]
025	Custom Paper 025	ENG	[0 to 3 / **0** / 1/step]
026	Custom Paper 026	ENG	[0 to 3 / **0** / 1/step]
027	Custom Paper 027	ENG	[0 to 3 / **0** / 1/step]

028	Custom Paper 028	ENG	[0 to 3 / **0** / 1/step]
029	Custom Paper 029	ENG	[0 to 3 / **0** / 1/step]
030	Custom Paper 030	ENG	[0 to 3 / **0** / 1/step]
031	Custom Paper 031	ENG	[0 to 3 / **0** / 1/step]
032	Custom Paper 032	ENG	[0 to 3 / **0** / 1/step]
033	Custom Paper 033	ENG	[0 to 3 / **0** / 1/step]
034	Custom Paper 034	ENG	[0 to 3 / **0** / 1/step]
035	Custom Paper 035	ENG	[0 to 3 / **0** / 1/step]
036	Custom Paper 036	ENG	[0 to 3 / **0** / 1/step]
037	Custom Paper 037	ENG	[0 to 3 / **0** / 1/step]
038	Custom Paper 038	ENG	[0 to 3 / **0** / 1/step]
039	Custom Paper 039	ENG	[0 to 3 / **0** / 1/step]
040	Custom Paper 040	ENG	[0 to 3 / **0** / 1/step]
041	Custom Paper 041	ENG	[0 to 3 / **0** / 1/step]
042	Custom Paper 042	ENG	[0 to 3 / **0** / 1/step]
043	Custom Paper 043	ENG	[0 to 3 / **0** / 1/step]
044	Custom Paper 044	ENG	[0 to 3 / **0** / 1/step]
045	Custom Paper 045	ENG	[0 to 3 / **0** / 1/step]
046	Custom Paper 046	ENG	[0 to 3 / **0** / 1/step]
047	Custom Paper 047	ENG	[0 to 3 / **0** / 1/step]
048	Custom Paper 048	ENG	[0 to 3 / **0** / 1/step]
049	Custom Paper 049	ENG	[0 to 3 / **0** / 1/step]
050	Custom Paper 050	ENG	[0 to 3 / **0** / 1/step]
051	Custom Paper 051	ENG	[0 to 3 / **0** / 1/step]
052	Custom Paper 052	ENG	[0 to 3 / **0** / 1/step]
053	Custom Paper 053	ENG	[0 to 3 / **0** / 1/step]

054	Custom Paper 054	ENG	[0 to 3 / **0** / 1/step]
055	Custom Paper 055	ENG	[0 to 3 / **0** / 1/step]
056	Custom Paper 056	ENG	[0 to 3 / **0** / 1/step]
057	Custom Paper 057	ENG	[0 to 3 / **0** / 1/step]
058	Custom Paper 058	ENG	[0 to 3 / **0** / 1/step]
059	Custom Paper 059	ENG	[0 to 3 / **0** / 1/step]
060	Custom Paper 060	ENG	[0 to 3 / **0** / 1/step]
061	Custom Paper 061	ENG	[0 to 3 / **0** / 1/step]
062	Custom Paper 062	ENG	[0 to 3 / **0** / 1/step]
063	Custom Paper 063	ENG	[0 to 3 / **0** / 1/step]
064	Custom Paper 064	ENG	[0 to 3 / **0** / 1/step]
065	Custom Paper 065	ENG	[0 to 3 / **0** / 1/step]
066	Custom Paper 066	ENG	[0 to 3 / **0** / 1/step]
067	Custom Paper 067	ENG	[0 to 3 / **0** / 1/step]
068	Custom Paper 068	ENG	[0 to 3 / **0** / 1/step]
069	Custom Paper 069	ENG	[0 to 3 / **0** / 1/step]
070	Custom Paper 070	ENG	[0 to 3 / **0** / 1/step]
071	Custom Paper 071	ENG	[0 to 3 / **0** / 1/step]
072	Custom Paper 072	ENG	[0 to 3 / **0** / 1/step]
073	Custom Paper 073	ENG	[0 to 3 / **0** / 1/step]
074	Custom Paper 074	ENG	[0 to 3 / **0** / 1/step]
075	Custom Paper 075	ENG	[0 to 3 / **0** / 1/step]
076	Custom Paper 076	ENG	[0 to 3 / **0** / 1/step]
077	Custom Paper 077	ENG	[0 to 3 / **0** / 1/step]
078	Custom Paper 078	ENG	[0 to 3 / **0** / 1/step]
079	Custom Paper 079	ENG	[0 to 3 / **0** / 1/step]

080	Custom Paper 080	ENG	[0 to 3 / **0** / 1/step]
081	Custom Paper 081	ENG	[0 to 3 / **0** / 1/step]
082	Custom Paper 082	ENG	[0 to 3 / **0** / 1/step]
083	Custom Paper 083	ENG	[0 to 3 / **0** / 1/step]
084	Custom Paper 084	ENG	[0 to 3 / **0** / 1/step]
085	Custom Paper 085	ENG	[0 to 3 / **0** / 1/step]
086	Custom Paper 086	ENG	[0 to 3 / **0** / 1/step]
087	Custom Paper 087	ENG	[0 to 3 / **0** / 1/step]
088	Custom Paper 088	ENG	[0 to 3 / **0** / 1/step]
089	Custom Paper 089	ENG	[0 to 3 / **0** / 1/step]
090	Custom Paper 090	ENG	[0 to 3 / **0** / 1/step]
091	Custom Paper 091	ENG	[0 to 3 / **0** / 1/step]
092	Custom Paper 092	ENG	[0 to 3 / **0** / 1/step]
093	Custom Paper 093	ENG	[0 to 3 / **0** / 1/step]
094	Custom Paper 094	ENG	[0 to 3 / **0** / 1/step]
095	Custom Paper 095	ENG	[0 to 3 / **0** / 1/step]
096	Custom Paper 096	ENG	[0 to 3 / **0** / 1/step]
097	Custom Paper 097	ENG	[0 to 3 / **0** / 1/step]
098	Custom Paper 098	ENG	[0 to 3 / **0** / 1/step]
099	Custom Paper 099	ENG	[0 to 3 / **0** / 1/step]
100	Custom Paper 100	ENG	[0 to 3 / **0** / 1/step]
101	Plain:Uncoated:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
102	Plain:Uncoated:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
103	Plain:Uncoated:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
104	Plain:Uncoated:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
105	Plain:Uncoated:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]

106	Plain:Uncoated:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
107	Plain:Uncoated:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
108	Plain:Uncoated:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
109	Sp1/Matte:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
110	Sp1/Matte:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
111	Sp1/Matte:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
112	Sp1/Matte:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
113	Sp1/Matte:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
114	Sp1/Matte:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
115	Sp1/Matte:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
116	Sp1/Matte:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
117	Sp2/Glossy:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
118	Sp2/Glossy:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
119	Sp2/Glossy:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
120	Sp2/Glossy:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
121	Sp2/Glossy:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
122	Sp2/Glossy:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
123	Sp2/Glossy:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
124	Sp2/Glossy:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
130	Envelope:Thick2	*ENG	[0 to 3 / **0** / 1/step]
131	Envelope:Thick3	*ENG	[0 to 3 / **0** / 1/step]
132	Envelope:Thick4	*ENG	[0 to 3 / **0** / 1/step]
138	OHP	*ENG	[0 to 3 / **0** / 1/step]
139	Postcard	*ENG	[0 to 3 / **0** / 1/step]
140	Glossy	ENG	[0 to 3 / **0** / 1/step]
1990	**[IniCPMDwn:EnvLowTmp:UnitHghTmp]**		

	EnvLowTmp: Sets Initial CPM Down rate for Unit High Temperature.		
151	Plain:Uncoated:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
152	Plain:Uncoated:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
153	Plain:Uncoated:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
154	Plain:Uncoated:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
155	Plain:Uncoated:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
156	Plain:Uncoated:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
157	Plain:Uncoated:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
158	Plain:Uncoated:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
159	Sp1/Matte:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
160	Sp1/Matte:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
161	Sp1/Matte:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
162	Sp1/Matte:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
163	Sp1/Matte:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
164	Sp1/Matte:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
165	Sp1/Matte:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
166	Sp1/Matte:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
167	Sp2/Glossy:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
168	Sp2/Glossy:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
169	Sp2/Glossy:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
170	Sp2/Glossy:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
171	Sp2/Glossy:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
172	Sp2/Glossy:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
173	Sp2/Glossy:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
174	Sp2/Glossy:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
180	Envelope:Thick2	*ENG	[0 to 3 / **0** / 1/step]

181	Envelope:Thick3	*ENG	[0 to 3 / **0** / 1/step]
182	Envelope:Thick4	*ENG	[0 to 3 / **0** / 1/step]
188	OHP	*ENG	[0 to 3 / **0** / 1/step]
189	Postcard	*ENG	[0 to 3 / **0** / 1/step]
190	Glossy	ENG	[0 to 3 / **0** / 1/step]
1990	**[L Temp:CPM Down]**		
	EnvLowTmp: Sets Initial CPM Down rate for Unit Low Temperature.		
205	Uncoated Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
206	Uncoated Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]
213	Matte Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
214	Matte Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]
221	Glossy Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
222	Glossy Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]

1991	**[IniCPMDwn:EnvNmlTmp:UnitLowTmp] *D137/D138 only**		
	EnvNmlTmp: Sets Initial CPM Down rate for Unit Low Temperature.		
001	Custom Paper 001	ENG	[0 to 3 / **0** / 1/step]
002	Custom Paper 002	ENG	[0 to 3 / **0** / 1/step]
003	Custom Paper 003	ENG	[0 to 3 / **0** / 1/step]
004	Custom Paper 004	ENG	[0 to 3 / **0** / 1/step]
005	Custom Paper 005	ENG	[0 to 3 / **0** / 1/step]
006	Custom Paper 006	ENG	[0 to 3 / **0** / 1/step]
007	Custom Paper 007	ENG	[0 to 3 / **0** / 1/step]
008	Custom Paper 008	ENG	[0 to 3 / **0** / 1/step]
009	Custom Paper 009	ENG	[0 to 3 / **0** / 1/step]
010	Custom Paper 010	ENG	[0 to 3 / **0** / 1/step]

011	Custom Paper 011	ENG	[0 to 3 / **0** / 1/step]
012	Custom Paper 012	ENG	[0 to 3 / **0** / 1/step]
013	Custom Paper 013	ENG	[0 to 3 / **0** / 1/step]
014	Custom Paper 014	ENG	[0 to 3 / **0** / 1/step]
015	Custom Paper 015	ENG	[0 to 3 / **0** / 1/step]
016	Custom Paper 016	ENG	[0 to 3 / **0** / 1/step]
017	Custom Paper 017	ENG	[0 to 3 / **0** / 1/step]
018	Custom Paper 018	ENG	[0 to 3 / **0** / 1/step]
019	Custom Paper 019	ENG	[0 to 3 / **0** / 1/step]
020	Custom Paper 020	ENG	[0 to 3 / **0** / 1/step]
021	Custom Paper 021	ENG	[0 to 3 / **0** / 1/step]
022	Custom Paper 022	ENG	[0 to 3 / **0** / 1/step]
023	Custom Paper 023	ENG	[0 to 3 / **0** / 1/step]
024	Custom Paper 024	ENG	[0 to 3 / **0** / 1/step]
025	Custom Paper 025	ENG	[0 to 3 / **0** / 1/step]
026	Custom Paper 026	ENG	[0 to 3 / **0** / 1/step]
027	Custom Paper 027	ENG	[0 to 3 / **0** / 1/step]
028	Custom Paper 028	ENG	[0 to 3 / **0** / 1/step]
029	Custom Paper 029	ENG	[0 to 3 / **0** / 1/step]
030	Custom Paper 030	ENG	[0 to 3 / **0** / 1/step]
031	Custom Paper 031	ENG	[0 to 3 / **0** / 1/step]
032	Custom Paper 032	ENG	[0 to 3 / **0** / 1/step]
033	Custom Paper 033	ENG	[0 to 3 / **0** / 1/step]
034	Custom Paper 034	ENG	[0 to 3 / **0** / 1/step]
035	Custom Paper 035	ENG	[0 to 3 / **0** / 1/step]
036	Custom Paper 036	ENG	[0 to 3 / **0** / 1/step]

037	Custom Paper 037	ENG	[0 to 3 / **0** / 1/step]
038	Custom Paper 038	ENG	[0 to 3 / **0** / 1/step]
039	Custom Paper 039	ENG	[0 to 3 / **0** / 1/step]
040	Custom Paper 040	ENG	[0 to 3 / **0** / 1/step]
041	Custom Paper 041	ENG	[0 to 3 / **0** / 1/step]
042	Custom Paper 042	ENG	[0 to 3 / **0** / 1/step]
043	Custom Paper 043	ENG	[0 to 3 / **0** / 1/step]
044	Custom Paper 044	ENG	[0 to 3 / **0** / 1/step]
045	Custom Paper 045	ENG	[0 to 3 / **0** / 1/step]
046	Custom Paper 046	ENG	[0 to 3 / **0** / 1/step]
047	Custom Paper 047	ENG	[0 to 3 / **0** / 1/step]
048	Custom Paper 048	ENG	[0 to 3 / **0** / 1/step]
049	Custom Paper 049	ENG	[0 to 3 / **0** / 1/step]
050	Custom Paper 050	ENG	[0 to 3 / **0** / 1/step]
051	Custom Paper 051	ENG	[0 to 3 / **0** / 1/step]
052	Custom Paper 052	ENG	[0 to 3 / **0** / 1/step]
053	Custom Paper 053	ENG	[0 to 3 / **0** / 1/step]
054	Custom Paper 054	ENG	[0 to 3 / **0** / 1/step]
055	Custom Paper 055	ENG	[0 to 3 / **0** / 1/step]
056	Custom Paper 056	ENG	[0 to 3 / **0** / 1/step]
057	Custom Paper 057	ENG	[0 to 3 / **0** / 1/step]
058	Custom Paper 058	ENG	[0 to 3 / **0** / 1/step]
059	Custom Paper 059	ENG	[0 to 3 / **0** / 1/step]
060	Custom Paper 060	ENG	[0 to 3 / **0** / 1/step]
061	Custom Paper 061	ENG	[0 to 3 / **0** / 1/step]
062	Custom Paper 062	ENG	[0 to 3 / **0** / 1/step]

063	Custom Paper 063	ENG	[0 to 3 / **0** / 1/step]
064	Custom Paper 064	ENG	[0 to 3 / **0** / 1/step]
065	Custom Paper 065	ENG	[0 to 3 / **0** / 1/step]
066	Custom Paper 066	ENG	[0 to 3 / **0** / 1/step]
067	Custom Paper 067	ENG	[0 to 3 / **0** / 1/step]
068	Custom Paper 068	ENG	[0 to 3 / **0** / 1/step]
069	Custom Paper 069	ENG	[0 to 3 / **0** / 1/step]
070	Custom Paper 070	ENG	[0 to 3 / **0** / 1/step]
071	Custom Paper 071	ENG	[0 to 3 / **0** / 1/step]
072	Custom Paper 072	ENG	[0 to 3 / **0** / 1/step]
073	Custom Paper 073	ENG	[0 to 3 / **0** / 1/step]
074	Custom Paper 074	ENG	[0 to 3 / **0** / 1/step]
075	Custom Paper 075	ENG	[0 to 3 / **0** / 1/step]
076	Custom Paper 076	ENG	[0 to 3 / **0** / 1/step]
077	Custom Paper 077	ENG	[0 to 3 / **0** / 1/step]
078	Custom Paper 078	ENG	[0 to 3 / **0** / 1/step]
079	Custom Paper 079	ENG	[0 to 3 / **0** / 1/step]
080	Custom Paper 080	ENG	[0 to 3 / **0** / 1/step]
081	Custom Paper 081	ENG	[0 to 3 / **0** / 1/step]
082	Custom Paper 082	ENG	[0 to 3 / **0** / 1/step]
083	Custom Paper 083	ENG	[0 to 3 / **0** / 1/step]
084	Custom Paper 084	ENG	[0 to 3 / **0** / 1/step]
085	Custom Paper 085	ENG	[0 to 3 / **0** / 1/step]
086	Custom Paper 086	ENG	[0 to 3 / **0** / 1/step]
087	Custom Paper 087	ENG	[0 to 3 / **0** / 1/step]
088	Custom Paper 088	ENG	[0 to 3 / **0** / 1/step]

089	Custom Paper 089	ENG	[0 to 3 / **0** / 1/step]
090	Custom Paper 090	ENG	[0 to 3 / **0** / 1/step]
091	Custom Paper 091	ENG	[0 to 3 / **0** / 1/step]
092	Custom Paper 092	ENG	[0 to 3 / **0** / 1/step]
093	Custom Paper 093	ENG	[0 to 3 / **0** / 1/step]
094	Custom Paper 094	ENG	[0 to 3 / **0** / 1/step]
095	Custom Paper 095	ENG	[0 to 3 / **0** / 1/step]
096	Custom Paper 096	ENG	[0 to 3 / **0** / 1/step]
097	Custom Paper 097	ENG	[0 to 3 / **0** / 1/step]
098	Custom Paper 098	ENG	[0 to 3 / **0** / 1/step]
099	Custom Paper 099	ENG	[0 to 3 / **0** / 1/step]
100	Custom Paper 100	ENG	[0 to 3 / **0** / 1/step]
101	Plain:Uncoated:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
102	Plain:Uncoated:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
103	Plain:Uncoated:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
104	Plain:Uncoated:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
105	Plain:Uncoated:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
106	Plain:Uncoated:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
107	Plain:Uncoated:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
108	Plain:Uncoated:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
109	Sp1/Matte:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
110	Sp1/Matte:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
111	Sp1/Matte:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
112	Sp1/Matte:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
113	Sp1/Matte:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
114	Sp1/Matte:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]

115	Sp1/Matte:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
116	Sp1/Matte:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
117	Sp2/Glossy:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
118	Sp2/Glossy:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
119	Sp2/Glossy:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
120	Sp2/Glossy:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
121	Sp2/Glossy:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
122	Sp2/Glossy:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
123	Sp2/Glossy:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
124	Sp2/Glossy:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
130	Envelope:Thick2	*ENG	[0 to 3 / **0** / 1/step]
131	Envelope:Thick3	*ENG	[0 to 3 / **0** / 1/step]
132	Envelope:Thick4	*ENG	[0 to 3 / **0** / 1/step]
138	OHP	*ENG	[0 to 3 / **0** / 1/step]
139	Postcard	*ENG	[0 to 3 / **0** / 1/step]
140	Glossy	ENG	[0 to 3 / **0** / 1/step]
1991	**[IniCPMDwn:EnvNmlTmp:UnitLowTmp]**		
	EnvNmlTmp: Sets Initial CPM Down rate for Unit High Temperature.		
151	Plain:Uncoated:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
152	Plain:Uncoated:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
153	Plain:Uncoated:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
154	Plain:Uncoated:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
155	Plain:Uncoated:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
156	Plain:Uncoated:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
157	Plain:Uncoated:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
158	Plain:Uncoated:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]

159	Sp1/Matte:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
160	Sp1/Matte:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
161	Sp1/Matte:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
162	Sp1/Matte:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
163	Sp1/Matte:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
164	Sp1/Matte:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
165	Sp1/Matte:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
166	Sp1/Matte:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
167	Sp2/Glossy:Thin/Thick1	*ENG	[0 to 3 / **0** / 1/step]
168	Sp2/Glossy:Plain1/Thick1	*ENG	[0 to 3 / **0** / 1/step]
169	Sp2/Glossy:Plain2/Thick3	*ENG	[0 to 3 / **0** / 1/step]
170	Sp2/Glossy:Mid-Thick/Thick4	*ENG	[0 to 3 / **0** / 1/step]
171	Sp2/Glossy:Thick1/Thick5	*ENG	[0 to 3 / **0** / 1/step]
172	Sp2/Glossy:Thick2/Thick6	*ENG	[0 to 3 / **0** / 1/step]
173	Sp2/Glossy:Thick3/Thick7	*ENG	[0 to 3 / **0** / 1/step]
174	Sp2/Glossy:Thick4/Thick8	*ENG	[0 to 3 / **0** / 1/step]
180	Envelope:Thick2	*ENG	[0 to 3 / **0** / 1/step]
181	Envelope:Thick3	*ENG	[0 to 3 / **0** / 1/step]
182	Envelope:Thick4	*ENG	[0 to 3 / **0** / 1/step]
188	OHP	*ENG	[0 to 3 / **0** / 1/step]
189	Postcard	*ENG	[0 to 3 / **0** / 1/step]
190	Glossy	ENG	[0 to 3 / **0** / 1/step]
1991	**[Over N Temp:CPM Down]**		
	EnvNmlTmp: Sets Initial CPM Down rate for Unit Low Temperature.		
205	Uncoated Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
206	Uncoated Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]

213	Matte Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
214	Matte Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]
221	Glossy Thick 5:L Speed	ENG	[0 to 3 / **0** / 1/step]
222	Glossy Thick 6:L Speed	ENG	[0 to 3 / **0** / 1/step]

1992	**[Web Feed Interval] *D137/D138 only**		
	Adjusts Web Feed Interval.		
001	Custom Paper 001	ENG	[-75 to 0 / **0** / 1 %/step]
002	Custom Paper 002	ENG	[-75 to 0 / **0** / 1 %/step]
003	Custom Paper 003	ENG	[-75 to 0 / **0** / 1 %/step]
004	Custom Paper 004	ENG	[-75 to 0 / **0** / 1 %/step]
005	Custom Paper 005	ENG	[-75 to 0 / **0** / 1 %/step]
006	Custom Paper 006	ENG	[-75 to 0 / **0** / 1 %/step]
007	Custom Paper 007	ENG	[-75 to 0 / **0** / 1 %/step]
008	Custom Paper 008	ENG	[-75 to 0 / **0** / 1 %/step]
009	Custom Paper 009	ENG	[-75 to 0 / **0** / 1 %/step]
010	Custom Paper 010	ENG	[-75 to 0 / **0** / 1 %/step]
011	Custom Paper 011	ENG	[-75 to 0 / **0** / 1 %/step]
012	Custom Paper 012	ENG	[-75 to 0 / **0** / 1 %/step]
013	Custom Paper 013	ENG	[-75 to 0 / **0** / 1 %/step]
014	Custom Paper 014	ENG	[-75 to 0 / **0** / 1 %/step]
015	Custom Paper 015	ENG	[-75 to 0 / **0** / 1 %/step]
016	Custom Paper 016	ENG	[-75 to 0 / **0** / 1 %/step]
017	Custom Paper 017	ENG	[-75 to 0 / **0** / 1 %/step]
018	Custom Paper 018	ENG	[-75 to 0 / **0** / 1 %/step]
019	Custom Paper 019	ENG	[-75 to 0 / **0** / 1 %/step]

020	Custom Paper 020	ENG	[-75 to 0 / **0** / 1 %/step]
021	Custom Paper 021	ENG	[-75 to 0 / **0** / 1 %/step]
022	Custom Paper 022	ENG	[-75 to 0 / **0** / 1 %/step]
023	Custom Paper 023	ENG	[-75 to 0 / **0** / 1 %/step]
024	Custom Paper 024	ENG	[-75 to 0 / **0** / 1 %/step]
025	Custom Paper 025	ENG	[-75 to 0 / **0** / 1 %/step]
026	Custom Paper 026	ENG	[-75 to 0 / **0** / 1 %/step]
027	Custom Paper 027	ENG	[-75 to 0 / **0** / 1 %/step]
028	Custom Paper 028	ENG	[-75 to 0 / **0** / 1 %/step]
029	Custom Paper 029	ENG	[-75 to 0 / **0** / 1 %/step]
030	Custom Paper 030	ENG	[-75 to 0 / **0** / 1 %/step]
031	Custom Paper 031	ENG	[-75 to 0 / **0** / 1 %/step]
032	Custom Paper 032	ENG	[-75 to 0 / **0** / 1 %/step]
033	Custom Paper 033	ENG	[-75 to 0 / **0** / 1 %/step]
034	Custom Paper 034	ENG	[-75 to 0 / **0** / 1 %/step]
035	Custom Paper 035	ENG	[-75 to 0 / **0** / 1 %/step]
036	Custom Paper 036	ENG	[-75 to 0 / **0** / 1 %/step]
037	Custom Paper 037	ENG	[-75 to 0 / **0** / 1 %/step]
038	Custom Paper 038	ENG	[-75 to 0 / **0** / 1 %/step]
039	Custom Paper 039	ENG	[-75 to 0 / **0** / 1 %/step]
040	Custom Paper 040	ENG	[-75 to 0 / **0** / 1 %/step]
041	Custom Paper 041	ENG	[-75 to 0 / **0** / 1 %/step]
042	Custom Paper 042	ENG	[-75 to 0 / **0** / 1 %/step]
043	Custom Paper 043	ENG	[-75 to 0 / **0** / 1 %/step]
044	Custom Paper 044	ENG	[-75 to 0 / **0** / 1 %/step]
045	Custom Paper 045	ENG	[-75 to 0 / **0** / 1 %/step]

046	Custom Paper 046	ENG	[-75 to 0 / **0** / 1 %/step]
047	Custom Paper 047	ENG	[-75 to 0 / **0** / 1 %/step]
048	Custom Paper 048	ENG	[-75 to 0 / **0** / 1 %/step]
049	Custom Paper 049	ENG	[-75 to 0 / **0** / 1 %/step]
050	Custom Paper 050	ENG	[-75 to 0 / **0** / 1 %/step]
051	Custom Paper 051	ENG	[-75 to 0 / **0** / 1 %/step]
052	Custom Paper 052	ENG	[-75 to 0 / **0** / 1 %/step]
053	Custom Paper 053	ENG	[-75 to 0 / **0** / 1 %/step]
054	Custom Paper 054	ENG	[-75 to 0 / **0** / 1 %/step]
055	Custom Paper 055	ENG	[-75 to 0 / **0** / 1 %/step]
056	Custom Paper 056	ENG	[-75 to 0 / **0** / 1 %/step]
057	Custom Paper 057	ENG	[-75 to 0 / **0** / 1 %/step]
058	Custom Paper 058	ENG	[-75 to 0 / **0** / 1 %/step]
059	Custom Paper 059	ENG	[-75 to 0 / **0** / 1 %/step]
060	Custom Paper 060	ENG	[-75 to 0 / **0** / 1 %/step]
061	Custom Paper 061	ENG	[-75 to 0 / **0** / 1 %/step]
062	Custom Paper 062	ENG	[-75 to 0 / **0** / 1 %/step]
063	Custom Paper 063	ENG	[-75 to 0 / **0** / 1 %/step]
064	Custom Paper 064	ENG	[-75 to 0 / **0** / 1 %/step]
065	Custom Paper 065	ENG	[-75 to 0 / **0** / 1 %/step]
066	Custom Paper 066	ENG	[-75 to 0 / **0** / 1 %/step]
067	Custom Paper 067	ENG	[-75 to 0 / **0** / 1 %/step]
068	Custom Paper 068	ENG	[-75 to 0 / **0** / 1 %/step]
069	Custom Paper 069	ENG	[-75 to 0 / **0** / 1 %/step]
070	Custom Paper 070	ENG	[-75 to 0 / **0** / 1 %/step]
071	Custom Paper 071	ENG	[-75 to 0 / **0** / 1 %/step]

072	Custom Paper 072	ENG	[-75 to 0 / **0** / 1 %/step]
073	Custom Paper 073	ENG	[-75 to 0 / **0** / 1 %/step]
074	Custom Paper 074	ENG	[-75 to 0 / **0** / 1 %/step]
075	Custom Paper 075	ENG	[-75 to 0 / **0** / 1 %/step]
076	Custom Paper 076	ENG	[-75 to 0 / **0** / 1 %/step]
077	Custom Paper 077	ENG	[-75 to 0 / **0** / 1 %/step]
078	Custom Paper 078	ENG	[-75 to 0 / **0** / 1 %/step]
079	Custom Paper 079	ENG	[-75 to 0 / **0** / 1 %/step]
080	Custom Paper 080	ENG	[-75 to 0 / **0** / 1 %/step]
081	Custom Paper 081	ENG	[-75 to 0 / **0** / 1 %/step]
082	Custom Paper 082	ENG	[-75 to 0 / **0** / 1 %/step]
083	Custom Paper 083	ENG	[-75 to 0 / **0** / 1 %/step]
084	Custom Paper 084	ENG	[-75 to 0 / **0** / 1 %/step]
085	Custom Paper 085	ENG	[-75 to 0 / **0** / 1 %/step]
086	Custom Paper 086	ENG	[-75 to 0 / **0** / 1 %/step]
087	Custom Paper 087	ENG	[-75 to 0 / **0** / 1 %/step]
088	Custom Paper 088	ENG	[-75 to 0 / **0** / 1 %/step]
089	Custom Paper 089	ENG	[-75 to 0 / **0** / 1 %/step]
090	Custom Paper 090	ENG	[-75 to 0 / **0** / 1 %/step]
091	Custom Paper 091	ENG	[-75 to 0 / **0** / 1 %/step]
092	Custom Paper 092	ENG	[-75 to 0 / **0** / 1 %/step]
093	Custom Paper 093	ENG	[-75 to 0 / **0** / 1 %/step]
094	Custom Paper 094	ENG	[-75 to 0 / **0** / 1 %/step]
095	Custom Paper 095	ENG	[-75 to 0 / **0** / 1 %/step]
096	Custom Paper 096	ENG	[-75 to 0 / **0** / 1 %/step]
097	Custom Paper 097	ENG	[-75 to 0 / **0** / 1 %/step]

098	Custom Paper 098	ENG	[-75 to 0 / **0** / 1 %/step]
099	Custom Paper 099	ENG	[-75 to 0 / **0** / 1 %/step]
100	Custom Paper 100	ENG	[-75 to 0 / **0** / 1 %/step]
201	Uncoated:Thick1:FC	ENG	[-75 to 0 / **0** / 1 %/step]
202	Uncoated:Thick1:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
203	Uncoated:Thick21:FC	ENG	[-75 to 0 / **0** / 1 %/step]
204	Uncoated:Thick2:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
205	Uncoated:Thick3:FC	ENG	[-75 to 0 / **0** / 1 %/step]
206	Uncoated:Thick3:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
207	Uncoated:Thick4:FC	ENG	[-75 to 0 / **0** / 1 %/step]
208	Uncoated:Thick4:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
209	Uncoated:Thick5:FC	ENG	[-75 to 0 / **0** / 1 %/step]
210	Uncoated:Thick5:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
211	Uncoated:Thick6:FC	ENG	[-75 to 0 / **0** / 1 %/step]
212	Uncoated:Thick6:Bk	ENG	[-75 to 0 / **0** / 1 %/step]
213	Uncoated:Thick7:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
214	Uncoated:Thick7:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
215	Uncoated:Thick8:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
216	Uncoated:Thick8:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
217	Matte:Thick1:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
218	Matte:Thick1:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
219	Matte:Thick21:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
220	Matte:Thick2:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
221	Matte:Thick3:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
222	Matte:Thick3:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
223	Matte:Thick4:FC	*ENG	[-75 to 0 / **0** / 1 %/step]

224	Matte:Thick4:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
225	Matte:Thick5:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
226	Matte:Thick5:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
227	Matte:Thick6:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
228	Matte:Thick6:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
229	Matte:Thick7:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
230	Matte:Thick7:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
231	Matte:Thick8:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
232	Matte:Thick8:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
233	Glossy:Thick1:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
234	Glossy:Thick1:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
235	Glossy:Thick21:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
236	Glossy:Thick2:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
237	Glossy:Thick3:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
238	Glossy:Thick3:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
239	Glossy:Thick4:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
240	Glossy:Thick4:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
241	Glossy:Thick5:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
242	Glossy:Thick5:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
243	Glossy:Thick6:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
244	Glossy:Thick6:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
245	Glossy:Thick7:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
246	Glossy:Thick7:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
247	Glossy:Thick8:FC	*ENG	[-75 to 0 / **0** / 1 %/step]
248	Glossy:Thick8:Bk	*ENG	[-75 to 0 / **0** / 1 %/step]
249	Envelope:Thick6	*ENG	[-75 to 0 / **0** / 1 %/step]

250	Envelope:Thick7	*ENG	[-75 to 0 / **0** / 1 %/step]
251	Envelope:Thick8	*ENG	[-75 to 0 / **0** / 1 %/step]
252	OHP	*ENG	[-75 to 0 / **0** / 1 %/step]
253	Postcard:Thick5	*ENG	[-75 to 0 / **0** / 1 %/step]
254	Postcard:Thick6	*ENG	[-75 to 0 / **0** / 1 %/step]

1993	**[Norm Paper:Init Temp Calc1] *D137/D138 only**		
	Sets Norm Paper: Init Temp Calc1 by paper type. (Custom Paper)		
001	Added Temp:Custom Paper001	ENG	[0 to 30 / **0** / 1 deg/step]
002	Added Temp:Custom Paper002	ENG	[0 to 30 / **0** / 1 deg/step]
003	Added Temp:Custom Paper003	ENG	[0 to 30 / **0** / 1 deg/step]
004	Added Temp:Custom Paper004	ENG	[0 to 30 / **0** / 1 deg/step]
005	Added Temp:Custom Paper005	ENG	[0 to 30 / **0** / 1 deg/step]
006	Added Temp:Custom Paper006	ENG	[0 to 30 / **0** / 1 deg/step]
007	Added Temp:Custom Paper007	ENG	[0 to 30 / **0** / 1 deg/step]
008	Added Temp:Custom Paper008	ENG	[0 to 30 / **0** / 1 deg/step]
009	Added Temp:Custom Paper009	ENG	[0 to 30 / **0** / 1 deg/step]
010	Added Temp:Custom Paper010	ENG	[0 to 30 / **0** / 1 deg/step]
011	Added Temp:Custom Paper011	ENG	[0 to 30 / **0** / 1 deg/step]

012	Added Temp:Custom Paper012	ENG	[0 to 30 / **0** / 1 deg/step]
013	Added Temp:Custom Paper013	ENG	[0 to 30 / **0** / 1 deg/step]
014	Added Temp:Custom Paper014	ENG	[0 to 30 / **0** / 1 deg/step]
015	Added Temp:Custom Paper015	ENG	[0 to 30 / **0** / 1 deg/step]
016	Added Temp:Custom Paper016	ENG	[0 to 30 / **0** / 1 deg/step]
017	Added Temp:Custom Paper017	ENG	[0 to 30 / **0** / 1 deg/step]
018	Added Temp:Custom Paper018	ENG	[0 to 30 / **0** / 1 deg/step]
019	Added Temp:Custom Paper019	ENG	[0 to 30 / **0** / 1 deg/step]
020	Added Temp:Custom Paper020	ENG	[0 to 30 / **0** / 1 deg/step]
021	Added Temp:Custom Paper021	ENG	[0 to 30 / **0** / 1 deg/step]
022	Added Temp:Custom Paper022	ENG	[0 to 30 / **0** / 1 deg/step]
023	Added Temp:Custom Paper023	ENG	[0 to 30 / **0** / 1 deg/step]
024	Added Temp:Custom Paper024	ENG	[0 to 30 / **0** / 1 deg/step]
025	Added Temp:Custom Paper025	ENG	[0 to 30 / **0** / 1 deg/step]
026	Added Temp:Custom Paper026	ENG	[0 to 30 / **0** / 1 deg/step]

027	Added Temp:Custom Paper027	ENG	[0 to 30 / **0** / 1 deg/step]
028	Added Temp:Custom Paper028	ENG	[0 to 30 / **0** / 1 deg/step]
029	Added Temp:Custom Paper029	ENG	[0 to 30 / **0** / 1 deg/step]
030	Added Temp:Custom Paper030	ENG	[0 to 30 / **0** / 1 deg/step]
031	Added Temp:Custom Paper031	ENG	[0 to 30 / **0** / 1 deg/step]
032	Added Temp:Custom Paper032	ENG	[0 to 30 / **0** / 1 deg/step]
033	Added Temp:Custom Paper033	ENG	[0 to 30 / **0** / 1 deg/step]
034	Added Temp:Custom Paper034	ENG	[0 to 30 / **0** / 1 deg/step]
035	Added Temp:Custom Paper035	ENG	[0 to 30 / **0** / 1 deg/step]
036	Added Temp:Custom Paper036	ENG	[0 to 30 / **0** / 1 deg/step]
037	Added Temp:Custom Paper037	ENG	[0 to 30 / **0** / 1 deg/step]
038	Added Temp:Custom Paper038	ENG	[0 to 30 / **0** / 1 deg/step]
039	Added Temp:Custom Paper039	ENG	[0 to 30 / **0** / 1 deg/step]
040	Added Temp:Custom Paper040	ENG	[0 to 30 / **0** / 1 deg/step]
041	Added Temp:Custom Paper041	ENG	[0 to 30 / **0** / 1 deg/step]

042	Added Temp:Custom Paper042	ENG	[0 to 30 / **0** / 1 deg/step]
043	Added Temp:Custom Paper043	ENG	[0 to 30 / **0** / 1 deg/step]
044	Added Temp:Custom Paper044	ENG	[0 to 30 / **0** / 1 deg/step]
045	Added Temp:Custom Paper045	ENG	[0 to 30 / **0** / 1 deg/step]
046	Added Temp:Custom Paper046	ENG	[0 to 30 / **0** / 1 deg/step]
047	Added Temp:Custom Paper047	ENG	[0 to 30 / **0** / 1 deg/step]
048	Added Temp:Custom Paper048	ENG	[0 to 30 / **0** / 1 deg/step]
049	Added Temp:Custom Paper049	ENG	[0 to 30 / **0** / 1 deg/step]
050	Added Temp:Custom Paper050	ENG	[0 to 30 / **0** / 1 deg/step]
051	Added Temp:Custom Paper051	ENG	[0 to 30 / **0** / 1 deg/step]
052	Added Temp:Custom Paper052	ENG	[0 to 30 / **0** / 1 deg/step]
053	Added Temp:Custom Paper053	ENG	[0 to 30 / **0** / 1 deg/step]
054	Added Temp:Custom Paper054	ENG	[0 to 30 / **0** / 1 deg/step]
055	Added Temp:Custom Paper055	ENG	[0 to 30 / **0** / 1 deg/step]
056	Added Temp:Custom Paper056	ENG	[0 to 30 / **0** / 1 deg/step]

057	Added Temp:Custom Paper057	ENG	[0 to 30 / **0** / 1 deg/step]
058	Added Temp:Custom Paper058	ENG	[0 to 30 / **0** / 1 deg/step]
059	Added Temp:Custom Paper059	ENG	[0 to 30 / **0** / 1 deg/step]
060	Added Temp:Custom Paper060	ENG	[0 to 30 / **0** / 1 deg/step]
061	Added Temp:Custom Paper061	ENG	[0 to 30 / **0** / 1 deg/step]
062	Added Temp:Custom Paper062	ENG	[0 to 30 / **0** / 1 deg/step]
063	Added Temp:Custom Paper063	ENG	[0 to 30 / **0** / 1 deg/step]
064	Added Temp:Custom Paper064	ENG	[0 to 30 / **0** / 1 deg/step]
065	Added Temp:Custom Paper065	ENG	[0 to 30 / **0** / 1 deg/step]
066	Added Temp:Custom Paper066	ENG	[0 to 30 / **0** / 1 deg/step]
067	Added Temp:Custom Paper067	ENG	[0 to 30 / **0** / 1 deg/step]
068	Added Temp:Custom Paper068	ENG	[0 to 30 / **0** / 1 deg/step]
069	Added Temp:Custom Paper069	ENG	[0 to 30 / **0** / 1 deg/step]
070	Added Temp:Custom Paper070	ENG	[0 to 30 / **0** / 1 deg/step]
071	Added Temp:Custom Paper071	ENG	[0 to 30 / **0** / 1 deg/step]

072	Added Temp:Custom Paper072	ENG	[0 to 30 / **0** / 1 deg/step]
073	Added Temp:Custom Paper073	ENG	[0 to 30 / **0** / 1 deg/step]
074	Added Temp:Custom Paper074	ENG	[0 to 30 / **0** / 1 deg/step]
075	Added Temp:Custom Paper075	ENG	[0 to 30 / **0** / 1 deg/step]
076	Added Temp:Custom Paper076	ENG	[0 to 30 / **0** / 1 deg/step]
077	Added Temp:Custom Paper077	ENG	[0 to 30 / **0** / 1 deg/step]
078	Added Temp:Custom Paper078	ENG	[0 to 30 / **0** / 1 deg/step]
079	Added Temp:Custom Paper079	ENG	[0 to 30 / **0** / 1 deg/step]
080	Added Temp:Custom Paper080	ENG	[0 to 30 / **0** / 1 deg/step]
081	Added Temp:Custom Paper081	ENG	[0 to 30 / **0** / 1 deg/step]
082	Added Temp:Custom Paper082	ENG	[0 to 30 / **0** / 1 deg/step]
083	Added Temp:Custom Paper083	ENG	[0 to 30 / **0** / 1 deg/step]
084	Added Temp:Custom Paper084	ENG	[0 to 30 / **0** / 1 deg/step]
085	Added Temp:Custom Paper085	ENG	[0 to 30 / **0** / 1 deg/step]
086	Added Temp:Custom Paper086	ENG	[0 to 30 / **0** / 1 deg/step]

087	Added Temp:Custom Paper087	ENG	[0 to 30 / **0** / 1 deg/step]
088	Added Temp:Custom Paper088	ENG	[0 to 30 / **0** / 1 deg/step]
089	Added Temp:Custom Paper089	ENG	[0 to 30 / **0** / 1 deg/step]
090	Added Temp:Custom Paper090	ENG	[0 to 30 / **0** / 1 deg/step]
091	Added Temp:Custom Paper091	ENG	[0 to 30 / **0** / 1 deg/step]
092	Added Temp:Custom Paper092	ENG	[0 to 30 / **0** / 1 deg/step]
093	Added Temp:Custom Paper093	ENG	[0 to 30 / **0** / 1 deg/step]
094	Added Temp:Custom Paper094	ENG	[0 to 30 / **0** / 1 deg/step]
095	Added Temp:Custom Paper095	ENG	[0 to 30 / **0** / 1 deg/step]
096	Added Temp:Custom Paper096	ENG	[0 to 30 / **0** / 1 deg/step]
097	Added Temp:Custom Paper097	ENG	[0 to 30 / **0** / 1 deg/step]
098	Added Temp:Custom Paper098	ENG	[0 to 30 / **0** / 1 deg/step]
099	Added Temp:Custom Paper099	ENG	[0 to 30 / **0** / 1 deg/step]
100	Added Temp:Custom Paper100	ENG	[0 to 30 / **0** / 1 deg/step]

1994	**[Norm Paper:Init Temp Calc2] *D137/D138 only**
	Sets Norm Paper:Init Temp Calc2 by paper type. (Custom Paper)

001	Added Temp:Custom Paper001	ENG	[0 to 30 / **0** / 1 deg/step]
002	Added Temp:Custom Paper002	ENG	[0 to 30 / **0** / 1 deg/step]
003	Added Temp:Custom Paper003	ENG	[0 to 30 / **0** / 1 deg/step]
004	Added Temp:Custom Paper004	ENG	[0 to 30 / **0** / 1 deg/step]
005	Added Temp:Custom Paper005	ENG	[0 to 30 / **0** / 1 deg/step]
006	Added Temp:Custom Paper006	ENG	[0 to 30 / **0** / 1 deg/step]
007	Added Temp:Custom Paper007	ENG	[0 to 30 / **0** / 1 deg/step]
008	Added Temp:Custom Paper008	ENG	[0 to 30 / **0** / 1 deg/step]
009	Added Temp:Custom Paper009	ENG	[0 to 30 / **0** / 1 deg/step]
010	Added Temp:Custom Paper010	ENG	[0 to 30 / **0** / 1 deg/step]
011	Added Temp:Custom Paper011	ENG	[0 to 30 / **0** / 1 deg/step]
012	Added Temp:Custom Paper012	ENG	[0 to 30 / **0** / 1 deg/step]
013	Added Temp:Custom Paper013	ENG	[0 to 30 / **0** / 1 deg/step]
014	Added Temp:Custom Paper014	ENG	[0 to 30 / **0** / 1 deg/step]
015	Added Temp:Custom Paper015	ENG	[0 to 30 / **0** / 1 deg/step]

016	Added Temp:Custom Paper016	ENG	[0 to 30 / **0** / 1 deg/step]
017	Added Temp:Custom Paper017	ENG	[0 to 30 / **0** / 1 deg/step]
018	Added Temp:Custom Paper018	ENG	[0 to 30 / **0** / 1 deg/step]
019	Added Temp:Custom Paper019	ENG	[0 to 30 / **0** / 1 deg/step]
020	Added Temp:Custom Paper020	ENG	[0 to 30 / **0** / 1 deg/step]
021	Added Temp:Custom Paper021	ENG	[0 to 30 / **0** / 1 deg/step]
022	Added Temp:Custom Paper022	ENG	[0 to 30 / **0** / 1 deg/step]
023	Added Temp:Custom Paper023	ENG	[0 to 30 / **0** / 1 deg/step]
024	Added Temp:Custom Paper024	ENG	[0 to 30 / **0** / 1 deg/step]
025	Added Temp:Custom Paper025	ENG	[0 to 30 / **0** / 1 deg/step]
026	Added Temp:Custom Paper026	ENG	[0 to 30 / **0** / 1 deg/step]
027	Added Temp:Custom Paper027	ENG	[0 to 30 / **0** / 1 deg/step]
028	Added Temp:Custom Paper028	ENG	[0 to 30 / **0** / 1 deg/step]
029	Added Temp:Custom Paper029	ENG	[0 to 30 / **0** / 1 deg/step]
030	Added Temp:Custom Paper030	ENG	[0 to 30 / **0** / 1 deg/step]

031	Added Temp:Custom Paper031	ENG	[0 to 30 / **0** / 1 deg/step]
032	Added Temp:Custom Paper032	ENG	[0 to 30 / **0** / 1 deg/step]
033	Added Temp:Custom Paper033	ENG	[0 to 30 / **0** / 1 deg/step]
034	Added Temp:Custom Paper034	ENG	[0 to 30 / **0** / 1 deg/step]
035	Added Temp:Custom Paper035	ENG	[0 to 30 / **0** / 1 deg/step]
036	Added Temp:Custom Paper036	ENG	[0 to 30 / **0** / 1 deg/step]
037	Added Temp:Custom Paper037	ENG	[0 to 30 / **0** / 1 deg/step]
038	Added Temp:Custom Paper038	ENG	[0 to 30 / **0** / 1 deg/step]
039	Added Temp:Custom Paper039	ENG	[0 to 30 / **0** / 1 deg/step]
040	Added Temp:Custom Paper040	ENG	[0 to 30 / **0** / 1 deg/step]
041	Added Temp:Custom Paper041	ENG	[0 to 30 / **0** / 1 deg/step]
042	Added Temp:Custom Paper042	ENG	[0 to 30 / **0** / 1 deg/step]
043	Added Temp:Custom Paper043	ENG	[0 to 30 / **0** / 1 deg/step]
044	Added Temp:Custom Paper044	ENG	[0 to 30 / **0** / 1 deg/step]
045	Added Temp:Custom Paper045	ENG	[0 to 30 / **0** / 1 deg/step]

046	Added Temp:Custom Paper046	ENG	[0 to 30 / **0** / 1 deg/step]
047	Added Temp:Custom Paper047	ENG	[0 to 30 / **0** / 1 deg/step]
048	Added Temp:Custom Paper048	ENG	[0 to 30 / **0** / 1 deg/step]
049	Added Temp:Custom Paper049	ENG	[0 to 30 / **0** / 1 deg/step]
050	Added Temp:Custom Paper050	ENG	[0 to 30 / **0** / 1 deg/step]
051	Added Temp:Custom Paper051	ENG	[0 to 30 / **0** / 1 deg/step]
052	Added Temp:Custom Paper052	ENG	[0 to 30 / **0** / 1 deg/step]
053	Added Temp:Custom Paper053	ENG	[0 to 30 / **0** / 1 deg/step]
054	Added Temp:Custom Paper054	ENG	[0 to 30 / **0** / 1 deg/step]
055	Added Temp:Custom Paper055	ENG	[0 to 30 / **0** / 1 deg/step]
056	Added Temp:Custom Paper056	ENG	[0 to 30 / **0** / 1 deg/step]
057	Added Temp:Custom Paper057	ENG	[0 to 30 / **0** / 1 deg/step]
058	Added Temp:Custom Paper058	ENG	[0 to 30 / **0** / 1 deg/step]
059	Added Temp:Custom Paper059	ENG	[0 to 30 / **0** / 1 deg/step]
060	Added Temp:Custom Paper060	ENG	[0 to 30 / **0** / 1 deg/step]

061	Added Temp:Custom Paper061	ENG	[0 to 30 / **0** / 1 deg/step]
062	Added Temp:Custom Paper062	ENG	[0 to 30 / **0** / 1 deg/step]
063	Added Temp:Custom Paper063	ENG	[0 to 30 / **0** / 1 deg/step]
064	Added Temp:Custom Paper064	ENG	[0 to 30 / **0** / 1 deg/step]
065	Added Temp:Custom Paper065	ENG	[0 to 30 / **0** / 1 deg/step]
066	Added Temp:Custom Paper066	ENG	[0 to 30 / **0** / 1 deg/step]
067	Added Temp:Custom Paper067	ENG	[0 to 30 / **0** / 1 deg/step]
068	Added Temp:Custom Paper068	ENG	[0 to 30 / **0** / 1 deg/step]
069	Added Temp:Custom Paper069	ENG	[0 to 30 / **0** / 1 deg/step]
070	Added Temp:Custom Paper070	ENG	[0 to 30 / **0** / 1 deg/step]
071	Added Temp:Custom Paper071	ENG	[0 to 30 / **0** / 1 deg/step]
072	Added Temp:Custom Paper072	ENG	[0 to 30 / **0** / 1 deg/step]
073	Added Temp:Custom Paper073	ENG	[0 to 30 / **0** / 1 deg/step]
074	Added Temp:Custom Paper074	ENG	[0 to 30 / **0** / 1 deg/step]
075	Added Temp:Custom Paper075	ENG	[0 to 30 / **0** / 1 deg/step]

076	Added Temp:Custom Paper076	ENG	[0 to 30 / **0** / 1 deg/step]
077	Added Temp:Custom Paper077	ENG	[0 to 30 / **0** / 1 deg/step]
078	Added Temp:Custom Paper078	ENG	[0 to 30 / **0** / 1 deg/step]
079	Added Temp:Custom Paper079	ENG	[0 to 30 / **0** / 1 deg/step]
080	Added Temp:Custom Paper080	ENG	[0 to 30 / **0** / 1 deg/step]
081	Added Temp:Custom Paper081	ENG	[0 to 30 / **0** / 1 deg/step]
082	Added Temp:Custom Paper082	ENG	[0 to 30 / **0** / 1 deg/step]
083	Added Temp:Custom Paper083	ENG	[0 to 30 / **0** / 1 deg/step]
084	Added Temp:Custom Paper084	ENG	[0 to 30 / **0** / 1 deg/step]
085	Added Temp:Custom Paper085	ENG	[0 to 30 / **0** / 1 deg/step]
086	Added Temp:Custom Paper086	ENG	[0 to 30 / **0** / 1 deg/step]
087	Added Temp:Custom Paper087	ENG	[0 to 30 / **0** / 1 deg/step]
088	Added Temp:Custom Paper088	ENG	[0 to 30 / **0** / 1 deg/step]
089	Added Temp:Custom Paper089	ENG	[0 to 30 / **0** / 1 deg/step]
090	Added Temp:Custom Paper090	ENG	[0 to 30 / **0** / 1 deg/step]

091	Added Temp:Custom Paper091	ENG	[0 to 30 / **0** / 1 deg/step]
092	Added Temp:Custom Paper092	ENG	[0 to 30 / **0** / 1 deg/step]
093	Added Temp:Custom Paper093	ENG	[0 to 30 / **0** / 1 deg/step]
094	Added Temp:Custom Paper094	ENG	[0 to 30 / **0** / 1 deg/step]
095	Added Temp:Custom Paper095	ENG	[0 to 30 / **0** / 1 deg/step]
096	Added Temp:Custom Paper096	ENG	[0 to 30 / **0** / 1 deg/step]
097	Added Temp:Custom Paper097	ENG	[0 to 30 / **0** / 1 deg/step]
098	Added Temp:Custom Paper098	ENG	[0 to 30 / **0** / 1 deg/step]
099	Added Temp:Custom Paper099	ENG	[0 to 30 / **0** / 1 deg/step]
100	Added Temp:Custom Paper100	ENG	[0 to 30 / **0** / 1 deg/step]

1995	**[Feed Permit Setting] *D137/D138 only**		
	Sets the pattern for Feed Permit by paper type. (Custom Paper)		
001	Custom Paper1	ENG	[1 to 6 / **1** / 1/step]
002	Custom Paper2	ENG	[1 to 6 / **1** / 1/step]
003	Custom Paper3	ENG	[1 to 6 / **1** / 1/step]
004	Custom Paper4	ENG	[1 to 6 / **1** / 1/step]
005	Custom Paper5	ENG	[1 to 6 / **1** / 1/step]
006	Custom Paper6	ENG	[1 to 6 / **1** / 1/step]

007	Custom Paper7	ENG	[1 to 6 / **1** / 1/step]
008	Custom Paper8	ENG	[1 to 6 / **1** / 1/step]
009	Custom Paper9	ENG	[1 to 6 / **1** / 1/step]
010	Custom Paper10	ENG	[1 to 6 / **1** / 1/step]
011	Custom Paper11	ENG	[1 to 6 / **1** / 1/step]
012	Custom Paper12	ENG	[1 to 6 / **1** / 1/step]
013	Custom Paper13	ENG	[1 to 6 / **1** / 1/step]
014	Custom Paper14	ENG	[1 to 6 / **1** / 1/step]
015	Custom Paper15	ENG	[1 to 6 / **1** / 1/step]
016	Custom Paper16	ENG	[1 to 6 / **1** / 1/step]
017	Custom Paper17	ENG	[1 to 6 / **1** / 1/step]
018	Custom Paper18	ENG	[1 to 6 / **1** / 1/step]
019	Custom Paper19	ENG	[1 to 6 / **1** / 1/step]
020	Custom Paper20	ENG	[1 to 6 / **1** / 1/step]
021	Custom Paper21	ENG	[1 to 6 / **1** / 1/step]
022	Custom Paper22	ENG	[1 to 6 / **1** / 1/step]
023	Custom Paper23	ENG	[1 to 6 / **1** / 1/step]
024	Custom Paper24	ENG	[1 to 6 / **1** / 1/step]
025	Custom Paper25	ENG	[1 to 6 / **1** / 1/step]
026	Custom Paper26	ENG	[1 to 6 / **1** / 1/step]
027	Custom Paper27	ENG	[1 to 6 / **1** / 1/step]
028	Custom Paper28	ENG	[1 to 6 / **1** / 1/step]
029	Custom Paper29	ENG	[1 to 6 / **1** / 1/step]
030	Custom Paper30	ENG	[1 to 6 / **1** / 1/step]
031	Custom Paper31	ENG	[1 to 6 / **1** / 1/step]
032	Custom Paper32	ENG	[1 to 6 / **1** / 1/step]

033	Custom Paper33	ENG	[1 to 6 / **1** / 1/step]
034	Custom Paper34	ENG	[1 to 6 / **1** / 1/step]
035	Custom Paper35	ENG	[1 to 6 / **1** / 1/step]
036	Custom Paper36	ENG	[1 to 6 / **1** / 1/step]
037	Custom Paper37	ENG	[1 to 6 / **1** / 1/step]
038	Custom Paper38	ENG	[1 to 6 / **1** / 1/step]
039	Custom Paper39	ENG	[1 to 6 / **1** / 1/step]
040	Custom Paper40	ENG	[1 to 6 / **1** / 1/step]
041	Custom Paper41	ENG	[1 to 6 / **1** / 1/step]
042	Custom Paper42	ENG	[1 to 6 / **1** / 1/step]
043	Custom Paper43	ENG	[1 to 6 / **1** / 1/step]
044	Custom Paper44	ENG	[1 to 6 / **1** / 1/step]
045	Custom Paper45	ENG	[1 to 6 / **1** / 1/step]
046	Custom Paper46	ENG	[1 to 6 / **1** / 1/step]
047	Custom Paper47	ENG	[1 to 6 / **1** / 1/step]
048	Custom Paper48	ENG	[1 to 6 / **1** / 1/step]
049	Custom Paper49	ENG	[1 to 6 / **1** / 1/step]
050	Custom Paper50	ENG	[1 to 6 / **1** / 1/step]
051	Custom Paper51	ENG	[1 to 6 / **1** / 1/step]
052	Custom Paper52	ENG	[1 to 6 / **1** / 1/step]
053	Custom Paper53	ENG	[1 to 6 / **1** / 1/step]
054	Custom Paper54	ENG	[1 to 6 / **1** / 1/step]
055	Custom Paper55	ENG	[1 to 6 / **1** / 1/step]
056	Custom Paper56	ENG	[1 to 6 / **1** / 1/step]
057	Custom Paper57	ENG	[1 to 6 / **1** / 1/step]
058	Custom Paper58	ENG	[1 to 6 / **1** / 1/step]

059	Custom Paper59	ENG	[1 to 6 / **1** / 1/step]
060	Custom Paper60	ENG	[1 to 6 / **1** / 1/step]
061	Custom Paper61	ENG	[1 to 6 / **1** / 1/step]
062	Custom Paper62	ENG	[1 to 6 / **1** / 1/step]
063	Custom Paper63	ENG	[1 to 6 / **1** / 1/step]
064	Custom Paper64	ENG	[1 to 6 / **1** / 1/step]
065	Custom Paper65	ENG	[1 to 6 / **1** / 1/step]
066	Custom Paper66	ENG	[1 to 6 / **1** / 1/step]
067	Custom Paper67	ENG	[1 to 6 / **1** / 1/step]
068	Custom Paper68	ENG	[1 to 6 / **1** / 1/step]
069	Custom Paper69	ENG	[1 to 6 / **1** / 1/step]
070	Custom Paper70	ENG	[1 to 6 / **1** / 1/step]
071	Custom Paper71	ENG	[1 to 6 / **1** / 1/step]
072	Custom Paper72	ENG	[1 to 6 / **1** / 1/step]
073	Custom Paper73	ENG	[1 to 6 / **1** / 1/step]
074	Custom Paper74	ENG	[1 to 6 / **1** / 1/step]
075	Custom Paper75	ENG	[1 to 6 / **1** / 1/step]
076	Custom Paper76	ENG	[1 to 6 / **1** / 1/step]
077	Custom Paper77	ENG	[1 to 6 / **1** / 1/step]
078	Custom Paper78	ENG	[1 to 6 / **1** / 1/step]
079	Custom Paper79	ENG	[1 to 6 / **1** / 1/step]
080	Custom Paper80	ENG	[1 to 6 / **1** / 1/step]
081	Custom Paper81	ENG	[1 to 6 / **1** / 1/step]
082	Custom Paper82	ENG	[1 to 6 / **1** / 1/step]
083	Custom Paper83	ENG	[1 to 6 / **1** / 1/step]
084	Custom Paper84	ENG	[1 to 6 / **1** / 1/step]

085	Custom Paper85	ENG	[1 to 6 / **1** / 1/step]
086	Custom Paper86	ENG	[1 to 6 / **1** / 1/step]
087	Custom Paper87	ENG	[1 to 6 / **1** / 1/step]
088	Custom Paper88	ENG	[1 to 6 / **1** / 1/step]
089	Custom Paper89	ENG	[1 to 6 / **1** / 1/step]
090	Custom Paper90	ENG	[1 to 6 / **1** / 1/step]
091	Custom Paper91	ENG	[1 to 6 / **1** / 1/step]
092	Custom Paper92	ENG	[1 to 6 / **1** / 1/step]
093	Custom Paper93	ENG	[1 to 6 / **1** / 1/step]
094	Custom Paper94	ENG	[1 to 6 / **1** / 1/step]
095	Custom Paper95	ENG	[1 to 6 / **1** / 1/step]
096	Custom Paper96	ENG	[1 to 6 / **1** / 1/step]
097	Custom Paper97	ENG	[1 to 6 / **1** / 1/step]
098	Custom Paper98	ENG	[1 to 6 / **1** / 1/step]
099	Custom Paper99	ENG	[1 to 6 / **1** / 1/step]
100	Custom Paper100	ENG	[1 to 6 / **1** / 1/step]

1996	**[Envelope Nip Width Setting] *D137/D138 only**		
	Sets the integrated rate alpha used for calculating Total Paper Counter by paper type. (Custom Paper)		
001	Custom Paper1	ENG	[0 to 2000 / **0** / 1 msec/step]
002	Custom Paper2	ENG	[0 to 2000 / **0** / 1 msec/step]
003	Custom Paper3	ENG	[0 to 2000 / **0** / 1 msec/step]
004	Custom Paper4	ENG	[0 to 2000 / **0** / 1 msec/step]
005	Custom Paper5	ENG	[0 to 2000 / **0** / 1 msec/step]
006	Custom Paper6	ENG	[0 to 2000 / **0** / 1 msec/step]

007	Custom Paper7	ENG	[0 to 2000 / **0** / 1 msec/step]
008	Custom Paper8	ENG	[0 to 2000 / **0** / 1 msec/step]
009	Custom Paper9	ENG	[0 to 2000 / **0** / 1 msec/step]
010	Custom Paper10	ENG	[0 to 2000 / **0** / 1 msec/step]
011	Custom Paper11	ENG	[0 to 2000 / **0** / 1 msec/step]
012	Custom Paper12	ENG	[0 to 2000 / **0** / 1 msec/step]
013	Custom Paper13	ENG	[0 to 2000 / **0** / 1 msec/step]
014	Custom Paper14	ENG	[0 to 2000 / **0** / 1 msec/step]
015	Custom Paper15	ENG	[0 to 2000 / **0** / 1 msec/step]
016	Custom Paper16	ENG	[0 to 2000 / **0** / 1 msec/step]
017	Custom Paper17	ENG	[0 to 2000 / **0** / 1 msec/step]
018	Custom Paper18	ENG	[0 to 2000 / **0** / 1 msec/step]
019	Custom Paper19	ENG	[0 to 2000 / **0** / 1 msec/step]
020	Custom Paper20	ENG	[0 to 2000 / **0** / 1 msec/step]
021	Custom Paper21	ENG	[0 to 2000 / **0** / 1 msec/step]
022	Custom Paper22	ENG	[0 to 2000 / **0** / 1 msec/step]
023	Custom Paper23	ENG	[0 to 2000 / **0** / 1 msec/step]
024	Custom Paper24	ENG	[0 to 2000 / **0** / 1 msec/step]
025	Custom Paper25	ENG	[0 to 2000 / **0** / 1 msec/step]
026	Custom Paper26	ENG	[0 to 2000 / **0** / 1 msec/step]
027	Custom Paper27	ENG	[0 to 2000 / **0** / 1 msec/step]
028	Custom Paper28	ENG	[0 to 2000 / **0** / 1 msec/step]
029	Custom Paper29	ENG	[0 to 2000 / **0** / 1 msec/step]
030	Custom Paper30	ENG	[0 to 2000 / **0** / 1 msec/step]
031	Custom Paper31	ENG	[0 to 2000 / **0** / 1 msec/step]
032	Custom Paper32	ENG	[0 to 2000 / **0** / 1 msec/step]

033	Custom Paper33	ENG	[0 to 2000 / **0** / 1 msec/step]
034	Custom Paper34	ENG	[0 to 2000 / **0** / 1 msec/step]
035	Custom Paper35	ENG	[0 to 2000 / **0** / 1 msec/step]
036	Custom Paper36	ENG	[0 to 2000 / **0** / 1 msec/step]
037	Custom Paper37	ENG	[0 to 2000 / **0** / 1 msec/step]
038	Custom Paper38	ENG	[0 to 2000 / **0** / 1 msec/step]
039	Custom Paper39	ENG	[0 to 2000 / **0** / 1 msec/step]
040	Custom Paper40	ENG	[0 to 2000 / **0** / 1 msec/step]
041	Custom Paper41	ENG	[0 to 2000 / **0** / 1 msec/step]
042	Custom Paper42	ENG	[0 to 2000 / **0** / 1 msec/step]
043	Custom Paper43	ENG	[0 to 2000 / **0** / 1 msec/step]
044	Custom Paper44	ENG	[0 to 2000 / **0** / 1 msec/step]
045	Custom Paper45	ENG	[0 to 2000 / **0** / 1 msec/step]
046	Custom Paper46	ENG	[0 to 2000 / **0** / 1 msec/step]
047	Custom Paper47	ENG	[0 to 2000 / **0** / 1 msec/step]
048	Custom Paper48	ENG	[0 to 2000 / **0** / 1 msec/step]
049	Custom Paper49	ENG	[0 to 2000 / **0** / 1 msec/step]
050	Custom Paper50	ENG	[0 to 2000 / **0** / 1 msec/step]
051	Custom Paper51	ENG	[0 to 2000 / **0** / 1 msec/step]
052	Custom Paper52	ENG	[0 to 2000 / **0** / 1 msec/step]
053	Custom Paper53	ENG	[0 to 2000 / **0** / 1 msec/step]
054	Custom Paper54	ENG	[0 to 2000 / **0** / 1 msec/step]
055	Custom Paper55	ENG	[0 to 2000 / **0** / 1 msec/step]
056	Custom Paper56	ENG	[0 to 2000 / **0** / 1 msec/step]
057	Custom Paper57	ENG	[0 to 2000 / **0** / 1 msec/step]
058	Custom Paper58	ENG	[0 to 2000 / **0** / 1 msec/step]

059	Custom Paper59	ENG	[0 to 2000 / **0** / 1 msec/step]
060	Custom Paper60	ENG	[0 to 2000 / **0** / 1 msec/step]
061	Custom Paper61	ENG	[0 to 2000 / **0** / 1 msec/step]
062	Custom Paper62	ENG	[0 to 2000 / **0** / 1 msec/step]
063	Custom Paper63	ENG	[0 to 2000 / **0** / 1 msec/step]
064	Custom Paper64	ENG	[0 to 2000 / **0** / 1 msec/step]
065	Custom Paper65	ENG	[0 to 2000 / **0** / 1 msec/step]
066	Custom Paper66	ENG	[0 to 2000 / **0** / 1 msec/step]
067	Custom Paper67	ENG	[0 to 2000 / **0** / 1 msec/step]
068	Custom Paper68	ENG	[0 to 2000 / **0** / 1 msec/step]
069	Custom Paper69	ENG	[0 to 2000 / **0** / 1 msec/step]
070	Custom Paper70	ENG	[0 to 2000 / **0** / 1 msec/step]
071	Custom Paper71	ENG	[0 to 2000 / **0** / 1 msec/step]
072	Custom Paper72	ENG	[0 to 2000 / **0** / 1 msec/step]
073	Custom Paper73	ENG	[0 to 2000 / **0** / 1 msec/step]
074	Custom Paper74	ENG	[0 to 2000 / **0** / 1 msec/step]
075	Custom Paper75	ENG	[0 to 2000 / **0** / 1 msec/step]
076	Custom Paper76	ENG	[0 to 2000 / **0** / 1 msec/step]
077	Custom Paper77	ENG	[0 to 2000 / **0** / 1 msec/step]
078	Custom Paper78	ENG	[0 to 2000 / **0** / 1 msec/step]
079	Custom Paper79	ENG	[0 to 2000 / **0** / 1 msec/step]
080	Custom Paper80	ENG	[0 to 2000 / **0** / 1 msec/step]
081	Custom Paper81	ENG	[0 to 2000 / **0** / 1 msec/step]
082	Custom Paper82	ENG	[0 to 2000 / **0** / 1 msec/step]
083	Custom Paper83	ENG	[0 to 2000 / **0** / 1 msec/step]
084	Custom Paper84	ENG	[0 to 2000 / **0** / 1 msec/step]

085	Custom Paper85	ENG	[0 to 2000 / **0** / 1 msec/step]
086	Custom Paper86	ENG	[0 to 2000 / **0** / 1 msec/step]
087	Custom Paper87	ENG	[0 to 2000 / **0** / 1 msec/step]
088	Custom Paper88	ENG	[0 to 2000 / **0** / 1 msec/step]
089	Custom Paper89	ENG	[0 to 2000 / **0** / 1 msec/step]
090	Custom Paper90	ENG	[0 to 2000 / **0** / 1 msec/step]
091	Custom Paper91	ENG	[0 to 2000 / **0** / 1 msec/step]
092	Custom Paper92	ENG	[0 to 2000 / **0** / 1 msec/step]
093	Custom Paper93	ENG	[0 to 2000 / **0** / 1 msec/step]
094	Custom Paper94	ENG	[0 to 2000 / **0** / 1 msec/step]
095	Custom Paper95	ENG	[0 to 2000 / **0** / 1 msec/step]
096	Custom Paper96	ENG	[0 to 2000 / **0** / 1 msec/step]
097	Custom Paper97	ENG	[0 to 2000 / **0** / 1 msec/step]
098	Custom Paper98	ENG	[0 to 2000 / **0** / 1 msec/step]
099	Custom Paper99	ENG	[0 to 2000 / **0** / 1 msec/step]
100	Custom Paper100	ENG	[0 to 2000 / **0** / 1 msec/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
111	Uncoated Thick 6:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
125	Matte Thick 5:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
126	Matte Thick 5:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
127	Matte Thick 6:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
128	Matte Thick 6:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
141	Glossy Thick 5:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]

143	Glossy Thick 6:L Speed:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
201	Uncoated Thick 1:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
202	Uncoated Thick 1:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
203	Uncoated Thick 2:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
204	Uncoated Thick 2:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
205	Uncoated Thick 3:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
206	Uncoated Thick 3:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
207	Uncoated Thick 4:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
208	Uncoated Thick 4:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
209	Uncoated Thick 5:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
210	Uncoated Thick 5:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
211	Uncoated Thick 6:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
212	Uncoated Thick 6:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
213	Uncoated Thick 7:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
214	Uncoated Thick 7:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
215	Uncoated Thick 8:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
216	Uncoated Thick 8:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
217	Matte Thick 1:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
218	Matte Thick 1:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
219	Matte Thick 2:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
220	Matte Thick 2:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
221	Matte Thick 3:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
222	Matte Thick 3:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
223	Matte Thick 4:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
224	Matte Thick 4:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]

225	Matte Thick 5:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
226	Matte Thick 5:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
227	Matte Thick 6:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
228	Matte Thick 6:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
229	Matte Thick 7:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
230	Matte Thick 7:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
231	Matte Thick 8:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
232	Matte Thick 8:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
233	Glossy Thick 1:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
234	Glossy Thick 1:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
235	Glossy Thick 2:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
236	Glossy Thick 2:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
237	Glossy Thick 3:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
238	Glossy Thick 3:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
239	Glossy Thick 4:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
240	Glossy Thick 4:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
241	Glossy Thick 5:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
242	Glossy Thick 5:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
243	Glossy Thick 6:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
244	Glossy Thick 6:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
245	Glossy Thick 7:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
246	Glossy Thick 7:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
247	Glossy Thick 8:FC	ENG	[0 to 2000 / **375** / 1 msec/step]
248	Glossy Thick 8:Bk	ENG	[0 to 2000 / **375** / 1 msec/step]
249	Envelope:Thick6	ENG	[0 to 2000 / **375** / 1 msec/step]
250	Envelope:Thick7	ENG	[0 to 2000 / **375** / 1 msec/step]

251	Envelope:Thick8	ENG	[0 to 2000 / **375** / 1 msec/step]
252	OHP	ENG	[0 to 2000 / **375** / 1 msec/step]
253	Glossy	ENG	[0 to 2000 / **375** / 1 msec/step]
254	Postcard:Thick6	ENG	[0 to 2000 / **375** / 1 msec/step]

1998	**[Cleaning Web Pressure Setting] *D137/D138 only**		
	Sets Web Pressure Select by paper type. (Custom Paper)		
001	Custom Paper001	ENG	[0 or 1 / **0** / 1/step]
002	Custom Paper002	ENG	[0 or 1 / **0** / 1/step]
003	Custom Paper003	ENG	[0 or 1 / **0** / 1/step]
004	Custom Paper004	ENG	[0 or 1 / **0** / 1/step]
005	Custom Paper005	ENG	[0 or 1 / **0** / 1/step]
006	Custom Paper006	ENG	[0 or 1 / **0** / 1/step]
007	Custom Paper007	ENG	[0 or 1 / **0** / 1/step]
008	Custom Paper008	ENG	[0 or 1 / **0** / 1/step]
009	Custom Paper009	ENG	[0 or 1 / **0** / 1/step]
010	Custom Paper010	ENG	[0 or 1 / **0** / 1/step]
011	Custom Paper011	ENG	[0 or 1 / **0** / 1/step]
012	Custom Paper012	ENG	[0 or 1 / **0** / 1/step]
013	Custom Paper013	ENG	[0 or 1 / **0** / 1/step]
014	Custom Paper014	ENG	[0 or 1 / **0** / 1/step]
015	Custom Paper015	ENG	[0 or 1 / **0** / 1/step]
016	Custom Paper016	ENG	[0 or 1 / **0** / 1/step]
017	Custom Paper017	ENG	[0 or 1 / **0** / 1/step]
018	Custom Paper018	ENG	[0 or 1 / **0** / 1/step]
019	Custom Paper019	ENG	[0 or 1 / **0** / 1/step]

020	Custom Paper020	ENG	[0 or 1 / **0** / 1/step]
021	Custom Paper021	ENG	[0 or 1 / **0** / 1/step]
022	Custom Paper022	ENG	[0 or 1 / **0** / 1/step]
023	Custom Paper023	ENG	[0 or 1 / **0** / 1/step]
024	Custom Paper024	ENG	[0 or 1 / **0** / 1/step]
025	Custom Paper025	ENG	[0 or 1 / **0** / 1/step]
026	Custom Paper026	ENG	[0 or 1 / **0** / 1/step]
027	Custom Paper027	ENG	[0 or 1 / **0** / 1/step]
028	Custom Paper028	ENG	[0 or 1 / **0** / 1/step]
029	Custom Paper029	ENG	[0 or 1 / **0** / 1/step]
030	Custom Paper030	ENG	[0 or 1 / **0** / 1/step]
031	Custom Paper031	ENG	[0 or 1 / **0** / 1/step]
032	Custom Paper032	ENG	[0 or 1 / **0** / 1/step]
033	Custom Paper033	ENG	[0 or 1 / **0** / 1/step]
034	Custom Paper034	ENG	[0 or 1 / **0** / 1/step]
035	Custom Paper035	ENG	[0 or 1 / **0** / 1/step]
036	Custom Paper036	ENG	[0 or 1 / **0** / 1/step]
037	Custom Paper037	ENG	[0 or 1 / **0** / 1/step]
038	Custom Paper038	ENG	[0 or 1 / **0** / 1/step]
039	Custom Paper039	ENG	[0 or 1 / **0** / 1/step]
040	Custom Paper040	ENG	[0 or 1 / **0** / 1/step]
041	Custom Paper041	ENG	[0 or 1 / **0** / 1/step]
042	Custom Paper042	ENG	[0 or 1 / **0** / 1/step]
043	Custom Paper043	ENG	[0 or 1 / **0** / 1/step]
044	Custom Paper044	ENG	[0 or 1 / **0** / 1/step]
045	Custom Paper045	ENG	[0 or 1 / **0** / 1/step]

046	Custom Paper046	ENG	[0 or 1 / **0** / 1/step]
047	Custom Paper047	ENG	[0 or 1 / **0** / 1/step]
048	Custom Paper048	ENG	[0 or 1 / **0** / 1/step]
049	Custom Paper049	ENG	[0 or 1 / **0** / 1/step]
050	Custom Paper050	ENG	[0 or 1 / **0** / 1/step]
051	Custom Paper051	ENG	[0 or 1 / **0** / 1/step]
052	Custom Paper052	ENG	[0 or 1 / **0** / 1/step]
053	Custom Paper053	ENG	[0 or 1 / **0** / 1/step]
054	Custom Paper054	ENG	[0 or 1 / **0** / 1/step]
055	Custom Paper055	ENG	[0 or 1 / **0** / 1/step]
056	Custom Paper056	ENG	[0 or 1 / **0** / 1/step]
057	Custom Paper057	ENG	[0 or 1 / **0** / 1/step]
058	Custom Paper058	ENG	[0 or 1 / **0** / 1/step]
059	Custom Paper059	ENG	[0 or 1 / **0** / 1/step]
060	Custom Paper060	ENG	[0 or 1 / **0** / 1/step]
061	Custom Paper061	ENG	[0 or 1 / **0** / 1/step]
062	Custom Paper062	ENG	[0 or 1 / **0** / 1/step]
063	Custom Paper063	ENG	[0 or 1 / **0** / 1/step]
064	Custom Paper064	ENG	[0 or 1 / **0** / 1/step]
065	Custom Paper065	ENG	[0 or 1 / **0** / 1/step]
066	Custom Paper066	ENG	[0 or 1 / **0** / 1/step]
067	Custom Paper067	ENG	[0 or 1 / **0** / 1/step]
068	Custom Paper068	ENG	[0 or 1 / **0** / 1/step]
069	Custom Paper069	ENG	[0 or 1 / **0** / 1/step]
070	Custom Paper070	ENG	[0 or 1 / **0** / 1/step]
071	Custom Paper071	ENG	[0 or 1 / **0** / 1/step]

072	Custom Paper072	ENG	[0 or 1 / **0** / 1/step]
073	Custom Paper073	ENG	[0 or 1 / **0** / 1/step]
074	Custom Paper074	ENG	[0 or 1 / **0** / 1/step]
075	Custom Paper075	ENG	[0 or 1 / **0** / 1/step]
076	Custom Paper076	ENG	[0 or 1 / **0** / 1/step]
077	Custom Paper077	ENG	[0 or 1 / **0** / 1/step]
078	Custom Paper078	ENG	[0 or 1 / **0** / 1/step]
079	Custom Paper079	ENG	[0 or 1 / **0** / 1/step]
080	Custom Paper080	ENG	[0 or 1 / **0** / 1/step]
081	Custom Paper081	ENG	[0 or 1 / **0** / 1/step]
082	Custom Paper082	ENG	[0 or 1 / **0** / 1/step]
083	Custom Paper083	ENG	[0 or 1 / **0** / 1/step]
084	Custom Paper084	ENG	[0 or 1 / **0** / 1/step]
085	Custom Paper085	ENG	[0 or 1 / **0** / 1/step]
086	Custom Paper086	ENG	[0 or 1 / **0** / 1/step]
087	Custom Paper087	ENG	[0 or 1 / **0** / 1/step]
088	Custom Paper088	ENG	[0 or 1 / **0** / 1/step]
089	Custom Paper089	ENG	[0 or 1 / **0** / 1/step]
090	Custom Paper090	ENG	[0 or 1 / **0** / 1/step]
091	Custom Paper091	ENG	[0 or 1 / **0** / 1/step]
092	Custom Paper092	ENG	[0 or 1 / **0** / 1/step]
093	Custom Paper093	ENG	[0 or 1 / **0** / 1/step]
094	Custom Paper094	ENG	[0 or 1 / **0** / 1/step]
095	Custom Paper095	ENG	[0 or 1 / **0** / 1/step]
096	Custom Paper096	ENG	[0 or 1 / **0** / 1/step]
097	Custom Paper097	ENG	[0 or 1 / **0** / 1/step]

098	Custom Paper098	ENG	[0 or 1 / **0** / 1/step]
099	Custom Paper099	ENG	[0 or 1 / **0** / 1/step]
100	Custom Paper100	ENG	[0 or 1 / **0** / 1/step]
109	Uncoated Thick 5:L Speed:FC	ENG	[0 or 1 / **0** / 1/step]
110	Uncoated Thick 5:L Speed:Bk	ENG	[0 or 1 / **0** / 1/step]
111	Uncoated Thick 6:L Speed:FC	ENG	[0 or 1 / **0** / 1/step]
112	Uncoated Thick 6:L Speed:Bk	ENG	[0 or 1 / **0** / 1/step]
125	Matte Thick 5:L Speed:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
126	Matte Thick 5:L Speed:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
127	Matte Thick 6:L Speed:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
128	Matte Thick 6:L Speed:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
141	Glossy Thick 5:L Speed:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
142	Glossy Thick 5:L Speed:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
143	Glossy Thick 6:L Speed:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
144	Glossy Thick 6:L Speed:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
201	Uncoated Thick 1:FC	ENG	[0 or 1 / **0** / 1/step]
202	Uncoated Thick 1:Bk	ENG	[0 or 1 / **0** / 1/step]
203	Uncoated Thick 2:FC	ENG	[0 or 1 / **0** / 1/step]
204	Uncoated Thick 2:Bk	ENG	[0 or 1 / **0** / 1/step]
205	Uncoated Thick 3:FC	ENG	[0 or 1 / **0** / 1/step]
206	Uncoated Thick 3:Bk	ENG	[0 or 1 / **0** / 1/step]
207	Uncoated Thick 4:FC	ENG	[0 or 1 / **0** / 1/step]
208	Uncoated Thick 4:Bk	ENG	[0 or 1 / **0** / 1/step]
209	Uncoated Thick 5:FC	ENG	[0 or 1 / **0** / 1/step]
210	Uncoated Thick 5:Bk	ENG	[0 or 1 / **0** / 1/step]
211	Uncoated Thick 6:FC	ENG	[0 or 1 / **0** / 1/step]

212	Uncoated Thick 6:Bk	ENG	[0 or 1 / **0** / 1/step]
213	Uncoated Thick 7:FC	ENG	[0 or 1 / **0** / 1/step]
214	Uncoated Thick 7:Bk	ENG	[0 or 1 / **0** / 1/step]
215	Uncoated Thick 8:FC	ENG	[0 or 1 / **0** / 1/step]
216	Uncoated Thick 8:Bk	ENG	[0 or 1 / **0** / 1/step]
217	Matte Thick 1:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
218	Matte Thick 1:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
219	Matte Thick 2:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
220	Matte Thick 2:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
221	Matte Thick 3:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
222	Matte Thick 3:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
223	Matte Thick 4:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
224	Matte Thick 4:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
225	Matte Thick 5:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
226	Matte Thick 5:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
227	Matte Thick 6:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
228	Matte Thick 6:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
229	Matte Thick 7:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
230	Matte Thick 7:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
231	Matte Thick 8:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
232	Matte Thick 8:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
233	Glossy Thick 1:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
234	Glossy Thick 1:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
235	Glossy Thick 2:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
236	Glossy Thick 2:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
237	Glossy Thick 3:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]

238	Glossy Thick 3:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
239	Glossy Thick 4:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
240	Glossy Thick 4:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
241	Glossy Thick 5:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
242	Glossy Thick 5:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
243	Glossy Thick 6:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
244	Glossy Thick 6:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
245	Glossy Thick 7:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
246	Glossy Thick 7:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
247	Glossy Thick 8:FC	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
248	Glossy Thick 8:Bk	ENG	[0 or 1 / **1(Pro a, Pro b)** / 1/step]
249	Envelope:Thick6	ENG	[0 or 1 / **0** / 1/step]
250	Envelope:Thick7	ENG	[0 or 1 / **0** / 1/step]
251	Envelope:Thick8	ENG	[0 or 1 / **0** / 1/step]
252	OHP	ENG	[0 or 1 / **0** / 1/step]
253	Postcard:Thick5	ENG	[0 or 1 / **0** / 1/step]
254	Postcard:Thick6	ENG	[0 or 1 / **0** / 1/step]

MAIN SP TABLES-2

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

4. MAIN SP TABLES-2

4.1 SP2-101 TO 315 (DRUM)

2101	**[Color Regist Adjust]**		
	Sets manual adjustment amount of main scan/sub scan registration.		
001	Main Scan Initial Value: K	*ENG	[-512 to 511 / **0** / 1dot/step]
	K: Main Regist (rgate) Adjust		
002	Main Scan Initial Value: C	*ENG	[-512 to 511 / **0** / 1dot/step]
	C: Main Regist (rgate) Adjust		
003	Main Scan Initial Value: M	*ENG	[-512 to 511 / **0** / 1dot/step]
	M: Main Regist (rgate) Adjust		
004	Main Scan Initial Value: Y	*ENG	[-512 to 511 / **0** / 1dot/step]
	Y: Main Regist (rgate) Adjust		
006	Main/Sub Scan Initial Value: K	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	K: Main Regist (D-Phase Area 0) Adjust: 1/48 Dot		
007	Main/Sub Scan Initial Value: C	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	C: Main Regist (D-Phase Area 0) Adjust: 1/48 Dot		
008	Main/Sub Scan Initial Value: M	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	M: Main Regist (D-Phase Area 0) Adjust: 1/48 Dot		
009	Main/Sub Scan Initial Value: Y	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	Y: Main Regist (D-Phase Area 0) Adjust: 1/48 Dot		
011	Main Phase Initial Value: K	*ENG	[0 to 1000 / **0** / 1us/step]
	K: Sub Regist Adjust (Polygon Phase Correction)		
012	Main Phase Initial Value: C	*ENG	[0 to 1000 / **0** / 1us/step]

	C: Sub Regist Adjust (Polygon Phase Correction)		
013	Main Phase Initial Value: M	*ENG	[0 to 1000 / **0** / 1us/step]
	M: Sub Regist Adjust (Polygon Phase Correction)		
014	Main Phase Initial Value: Y	*ENG	[0 to 1000 / **0** / 1us/step]
	Y: Sub Regist Adjust (Polygon Phase Correction)		
021	Main Beam Pitch Adj: KC	*ENG	[1500 to 1900 / **1698** / 1um/step]
	KC: Main Scan Beam Pitch Adjust		
023	Main Beam Pitch Adj: MY	*ENG	[1500 to 1900 / **1698** / 1um/step]
	MY: Main Scan Beam Pitch Adjust		
036	Sub Scan Initial Value: K	*ENG	[-4096 to 4095 / **0** / 1line/step]
	K: Sub Regist Adjust (4800 dpi)		
037	Sub Scan Initial Value: C	*ENG	[-4096 to 4095 / **0** / 1line/step]
	C: Sub Regist Adjust (4800 dpi)		
038	Sub Scan Initial Value: M	*ENG	[-4096 to 4095 / **0** / 1line/step]
	M: Sub Registration Adjust (4800 dpi)		
039	Sub Scan Initial Value: Y	*ENG	[-4096 to 4095 / **0** / 1line/step]
	Y: Sub Registration Adjust (4800 dpi)		
041	Main Cor Revision Amt: C	*ENG	[-512 to 511 / **0** / 1dot/step]
	C: Music: Main Registration (rgate) Adjust		
042	Main Cor Revision Amt: M	*ENG	[-512 to 511 / **0** / 1dot/step]
	M: Music: Main Regist (rgate) Adjust		
043	Main Cor Revision Amt: Y	*ENG	[-512 to 511 / **0** / 1dot/step]
	Y: Music: Main Registration (rgate) Adjust		
045	Main/Sub Cor Revision Amt: C	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	C: Music: Main Registration (D-Phase Area 0) Adjust: 1/48 Dot		

046	Main/Sub Cor Revision Amt: M	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	M: Music: Main Registration (D-Phase Area 0) Adjust: 1/48 Dot		
047	Main/Sub Cor Revision Amt: Y	*ENG	[-47 to 47 / **0** / 1sub-dot/step]
	Y: Music: Main Registration (D-Phase Area 0) Adjust: 1/48 Dot		
049	Sub Cor Revision Amt: C	*ENG	[-4096 to 4095 / **0** / 1line/step]
	C: Music: Sub Registration Adjust (4800 dpi)		
050	Sub Cor Revision Amt: M	*ENG	[-4096 to 4095 / **0** / 1line/step]
	M: Music: Sub Registration Adjust (4800 dpi)		
051	Sub Cor Revision Amt: Y	*ENG	[-4096 to 4095 / **0** / 1line/step]
	Y: Music: Sub Registration Adjust (4800 dpi)		
053	Sub Cor Revision Amt: C 81%	*ENG	[-4096 to 4095 / **-1** / 1line/step]
	C: Sub Registraiion Adjust (4800 dpi)		
054	Sub Cor Revision Amt: M 81%	*ENG	[-4096 to 4095 / **-2** / 1line/step]
	M: Sub Registration Adjust (4800 dpi)		
055	Sub Cor Revision Amt: Y 81%	*ENG	[-4096 to 4095 / **-2** / 1line/step]
	Y: Sub Registration Adjust (4800 dpi)		
060	Left Sub Mag.: C	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	C: Main Scan Fine Adjustment: Left: 1/48 Dot		
061	Right Sub Mag.: C	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	C: Main Scan Fine Adjustment: Right: 1/48 Dot		
062	Left Sub Mag.: M	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	M: Main Scan Fine Adjustment: Left: 1/48 Dot		
063	Right Sub Mag.: M	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	M: Main Scan Fine Adjustment: Right: 1/48 Dot		

064	Left Sub Mag.: Y	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	Y: Main Scan Fine Adjustment: Left: 1/48 Dot		
065	Right Sub Mag.: Y	*ENG	[-4096 to 4095 / **0** / 1sub-dot/step]
	Y: Main Scan Fine Adjustment: Right: 1/48 Dot		

2102	**[Magnification Adjustment]**		
	-		
001	Main Mag.: K	*ENG	[0 to 255 / **123** / 1/step]
	K: Main Scan Magnification Adjustment: Std Spd		
007	Main Mag.: M	*ENG	[0 to 255 / **123** / 1/step]
	M: Main Scan Magnification Adjustment: Std Spd		
016	Main/Sub: K	*ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	K: Main Scan Magnification Fine Adjustment: Std Spd: 1/48 Dot		
019	Main/Sub: C	*ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	C: Main Scan Magnification Fine Adjustment: Std Spd: 1/48 Dot		
022	Main/Sub: M	*ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	M: Main Scan Magnification Fine Adjustment: Std Spd: 1/48 Dot		
025	Main/Sub: Y	*ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	Y: Main Scan Magnification Fine Adjustment: Std Spd: 1/48 Dot		
031	Main Paper Int. Sub: K	ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	K: Main Scan Magnification Fine Adjustment: Paper Int.: 1/48 Dot		
032	Main Paper Int. Sub: C	ENG	[-15264 to 15264 / **0** / 1sub-dot/step]

	C: Main Scan Magnification Fine Adjustment: Paper Int.: 1/48 Dot		
033	Main Paper Int. Sub: M	ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	M: Main Scan Magnification Fine Adjustment: Paper Int.: 1/48 Dot		
034	Main Paper Int. Sub: Y	ENG	[-15264 to 15264 / **0** / 1sub-dot/step]
	Y: Main Scan Magnification Fine Adjustment: Paper Int.: 1/48 Dot		
040	Main Mag. Adjustment	ENG	[-0.3 to 0.3 / **0.000** / 0.1%/step]
	Main Scan Magnification Fine Adjustment		
043	Verso Main Mag set & Adj	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
	Verso: Main Scan Magnification Adjustment (other than Custom Paper)		
044	Verso Sub Mag set & Adj	ENG	[-0.500 to 0.500 / **0.000** / 0.025%/step]
	Verso: Sub Scan Magnification Adjustment (other than Custom Paper)		

2103	**[Erase Margin Adjustment]**		
	Margin adjustment		
001	Lead Edge Width	*ENG	[0.0 to 9.0 / **4.0** / 0.1mm/step]
	Lead Edge Width Adjustment		
002	Trail. Edge Width	*ENG	[0.0 to 9.0 / **4.0** / 0.1mm/step]
	Trail. Edge Width Adjustment		
003	Left	*ENG	[0.0 to 9.0 / **2.0** / 0.1mm/step]
	Left Edge Width Adjustment		
004	Right	*ENG	[0.0 to 9.0 / **2.0** / 0.1mm/step]
	Right Edge Width Adjustment		

2104	**[Skew Adjustment]**

002	Manual C	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	C: Executes Skew Adjustment of the scan line to Bk (Enters the correction value manually.) Value increase: Scan line changes into upward rise. Value decrease: Scan line changes into downward rise.		
003	Manual M	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	M: Executes Skew Adjustment of the scan line to Bk (Enters the correction value manually.) Value increase: Scan line changes into upward rise. Value decrease: Scan line changes into downward rise.		
004	Manual Y	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	Y: Executes Skew Adjustment of the scan line to Bk (Enters the correction value manually.) Value increase: Scan line changes into upward rise. Value decrease: Scan line changes into downward rise.		
007	Accumulated Present Value C	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	C: Displays Accumulated Value for Skew Adjustment.		
008	Accumulated Present Value M	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	M: Displays Accumulated Value for Skew Adjustment.		
009	Accumulated Present Value Y	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	Y: Displays Accumulated Value for Skew Adjustment.		
011	Accumulated MUSIC Value C	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	C: Displays Accumulated Value for Skew Adjustment. (Accumulated Value based on MUSIC calculation)		
012	Accumulated MUSIC Value M	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	M: Displays Accumulated Value for Skew Adjustment. (Accumulated Value based on MUSIC calculation)		
013	Accumulated MUSIC Value Y	*ENG	[-50 to 50 / **0** / 1 pulse/step]
	Y: Displays Accumulated Value for Skew Adjustment. (Accumulated Value based on MUSIC calculation)		

021	Phase Pattern C	*ENG	[1 to 4 / **1** / 1/step]
	C: Records Phase Pattern for Skew Adjustment Motor.		
022	Phase Pattern M	*ENG	[1 to 4 / **1** / 1/step]
	M: Records Phase Pattern for Skew Adjustment Motor.		
023	Phase Pattern Y	*ENG	[1 to 4 / **1** / 1/step]
	Y: Records Phase Pattern for Skew Adjustment Motor.		
031	Clear Revision C	ENG	[1 to 1 / **0** / 1/step] [Execute]
	C: Clears Revision for Skew Adjustment.		
032	Clear Revision M	ENG	[1 to 1 / **0** / 1/step] [Execute]
	M: Clears Revision for Skew Adjustment.		
033	Clear Revision Y	ENG	[1 to 1 / **0** / 1/step] [Execute]
	Y: Clears Revision for Skew Adjustment.		
2104	**[Shutter]**		
035	Opening and Shutting	*ENG	[0 or 1 / **1** / 1/step] 0:OPEN 1:CLOSE
	Executes Opening and Closing of Shutter.		
036	Forced Mode	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Sets OFF/ON for Forced Mode. Shutter can be opened / closed only in changing SP values when Forced Mode is ON.		
037	Switching Condition	ENG	[0 or 1 / **1** / 1/step] 0:OPEN 1:CLOSE

	Records and displays the switching condition of Shutter.

2106	**[Polygon Rotation Time]**		
	Sets rotaiting time for polygon motor when Warming-Up/Job End.		
001	Warming-Up	*ENG	[0 to 60 / **10** / 1sec/step]
	Sets Warming-Up Rotation Time for Polygon Motor. Warming-Up Rotation of Polygon Motor starts by touching the OP panel on printing standby state. Waiting time until printing starts gets short by executing Warming-Up Rotation.		
002	Job End	*ENG	[0 to 60 / **10** / 1sec/step]
	Sets Job End Rotation Time for Polygon Motor. Job End Rotation of Polygon Motor starts after printing. The time until printing starts gets short if printing is requested during the Job End Rotation.		

2107	**[Image Parameter]**		
001	Shading Correction Flag	*ENG	[0 or 1 / **1** / 1/step]
	Shading Correction Setting Executes Shading Correction when ON is selected.		
002	Image Gamma Flag	*ENG	[0 or 1 / **1** / 1/step]
	Image Gamma Setting Executes Gamma Correction when ON is selected.		
005	Dot Stabilize Revision	*ENG	[0 or 1 / **0** / 1/step]
	Dot Stabilize Revision Setting Executes Dot Stabilize when OFF is selected.		
006	BowSkew Revision	*ENG	[0 or 1 / **1** / 1/step]
	BowSkew Revision Setting Executes BowSkew Revision when OFF is selected.		
007	Sub Mag Adj Revision K1	*ENG	[0 or 1 / **1** / 1/step]
	Sub Mag Adj Revision K1 Setting Executes K1 Revision when ON is selected.		

008	Sub Mag Adj Revision K2	*ENG	[0 or 1 / **1** / 1/step]
	Sub Mag Adj Revision K2 Setting Executes K2 Revision when ON is selected.		
009	Sub Mag Adj Revision W1	*ENG	[0 or 1 / **1** / 1/step]
	Sub Mag Adj Revision W1 Setting Executes W1 Revision when ON is selected.		
010	Sub Mag Adj Revision W2	*ENG	[0 or 1 / **1** / 1/step]
	Sub Mag Adj Revision W2 Setting Executes W2 Revision when ON is selected.		
011	Sub Mag Adj Rev 600dpi K1	*ENG	[0 or 1 / **0** / 1/step]
	Sub Mag Adj Rev 600dpi W1 Setting Does not execute 600dpi W1 Revision when OFF is selected.		
012	Trapezoid Adj ON/OFF	*ENG	[0 or 1 / **1** / 1/step]
	Trapezoid Adjustment Setting Executes Trapezoid Adjustment when ON is selected.		
018	Sub Mag Adj Revision K3	*ENG	[0 or 1 / **0** / 1/step]
	Sub Mag Adj Revision K3 Setting Does not execute K3 Revision when OFF is selected.		
019	Sub Mag Adj Revision Gray	*ENG	[0 or 1 / **0** / 1/step]
	Sub Mag Adj Revision Gray Setting Does not execute Gray Revision when OFF is selected.		
020	Sub Scan Revision 1spl	ENG	[0 or 1 / **0** / 1/step]
	Sub Scan Revision 1spl Setting Does not execute Sub Scan Revision 1spl when OFF is selected.		
021	Sub Mag Adj Parameter Change	*ENG	[0 or 1 / **0** / 1/step]
	Sub Mag Adj Parameter Change Setting Does not execute Sub Mag Adj Parameter Change when OFF is selected.		

2108	**[Image Parameter]**		
001	K/C Writing Unit	*ENG	[0 or 1 / **0** / 1/step] [Execute]
	Acquiring Image Parameter for K/C Writing Unit		
002	Y/M Writing Unit	*ENG	[0 or 1 / **0** / 1/step]
	Acquiring Image Parameter for Y/M Writing Unit		

2109	**[Test Pattern]**			
003	Pattern Selection		ENG	[0 to 27 / **0** / 1/step]
	Writing Test Pattern Selection			
	0	Copy Image Data	14	Trimming Area
	1	Vertical Line 1dot	15	Hound's Tooth Check1 Vertical
	2	Vertical Line 2dot	16	Hound's Tooth Check2 Vertical
	3	Horizontal Line 1dot	17	Band Horizontal
	4	Horizontal Line 2dot	18	Band Vertical
	5	Grid Vertical Line	19	Checkered Flag
	6	Grid Horizontal Line	20	Grayscale Vertical Margin
	7	Grid Pattern Small	21	Grayscale Horizontal Margin
	8	Grid Pattern Large	22	4800dpi Step Pattern1 (1dot)
	9	Argyle Pattern Small	23	4800dpi Step Pattern1 (2dot)
	10	Argyle Pattern Large	24	4800dpi Step Pattern2 (1dot)
	11	Independent Pattern 1dot	25	4800dpi Step Pattern2 (2dot)
	12	Independent Pattern 2dot	26	Full Dot
	13	Independent Pattern 4dot	27	Full White Pattern

005	Color Selection	ENG	[1 to 5 / **1** / 1/step] 1: Full Color 2: Cyan 3: Magenta 4: Yellow 5: Black
	Writing Test Pattern Output Color Selection		
006	Density: K	ENG	[0 to 15 / **15** / 1/step]
	K: Sets Writing Test Pattern Output Density.		
007	Density: C	ENG	[0 to 15 / **15** / 1/step]
	C: Sets Writing Test Pattern Output Density.		
008	Density: M	ENG	[0 to 15 / **15** / 1/step]
	M: Sets Writing Test Pattern Output Density.		
009	Density: Y	ENG	[0 to 15 / **15** / 1/step]
	Y: Sets Writing Test Pattern Output Density.		

2111	**[Forced Line Position Adj]**		
	Executes Forced Line Position Correction.		
001	Mode a	ENG	[- / **-** / -] [Execute]
002	Mode b	ENG	
003	Mode c	ENG	
004	Mode d	ENG	

2112	**[TM/P-Sensor Test]**		
001	Execute	ENG	[- / **-** / -] [Execute]
	Checks for scraches or so on trancefer belt and malfunction of TM sensor.		
010	General	*ENG	[0 to 9999 / **0** / 1/step]

	Genral check resoult for Trancefer Belt.		
011	Error Code: P	*ENG	[0 to 999999 / **0** / 1/step]
	Trancefer belt check, error code: P.		
015	Error Code: Front	*ENG	[0 to 999999 / **0** / 1/step]
	Trancefer belt check, error code: Front.		
016	Error Code: Center	*ENG	[0 to 999999 / **0** / 1/step]
	Trancefer belt check, error code:Center		
017	Error Code: Rear	*ENG	[0 to 999999 / **0** / 1/step]
	Trancefer belt check, error code:Rea r		
020	Threshold Setting	*ENG	[0.0 to 5.5 / **1.90** / 0.1V/step]
	Sets Threshold for Trancefer belt check.		
021	Judge Val: Min 2	*ENG	[0.0 to 5.5 / **2.50** / 0.01V/step]
	Trancefer belt check, judge value: minimum 2.		
022	Judge Val: Output Chg Amplitude High	*ENG	[0.0 to 5.5 / **1.00** / 0.01V/step]
	Trancefer belt check. Judge value: output change amplitude High.		
023	Judge Val: Output Chg Amplitude Low	*ENG	[0.0 to 5.5 / **1.00** / 0.01V/step]
	Trancefer belt check. Judge value: output change amplitude Low.		
024	Judge Val: Ave Chg Amplitude High	*ENG	[0.0 to 5.5 / **0.50** / 0.01V/step]
	Trancefer belt check. Judge value: Average amplitude High.		
025	Judge Val: Ave Chg Amplitude Low	*ENG	[0.0 to 5.5 / **0.50** / 0.01V/step]
	Trancefer belt check. Judge value: Average amplitude Low.		

2113	**[Adj Density Diff Main Scan Dir]**

	Adjusts righ/left density difference of developmet with light amount.		
001	K	*ENG	[-10 to 10 / **0** / 1/step]
002	C	*ENG	
003	M	*ENG	
004	Y	*ENG	

2121	**[Erase Margin Adj]**		
001	Erase Margin Adj Leading Edge	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
	Corrects Leading Edge Margin and raises fusing detachability. (Special Operator Adjustment)		
002	Erase Margin Adj Trailing Edge	ENG	[-9.0 to 6.0 / **0.0** / 0.1mm/step]
	Corrects Trailing Edge Margin and raises fusing detachability. Alternatively avoids image cutoff. (Special Operator Adjustment) ▪ Value increase: Margin widens and fusing detachability rises. ▪ Value decrease: Margin narrows and image cutoff does not occur.		
003	Left	ENG	[-9.0 to 6.0 / **0.0** / 0.1mm/step]
	Corrects Left Margin and avoids image cutoff. (Special Operator Adjustment)		
004	Right	ENG	[-9.0 to 6.0 / **0.0** / 0.1mm/step]
	Corrects Right Margin and avoids image cutoff. (Special Operator Adjustment)		

2122	**[Erase Margin Adj Leading Edge] *D137/D138 only**		
	Corrects Leading Edge Margin and raises detachability.		
001	Custom Paper 001	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
002	Custom Paper 002	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
003	Custom Paper 003	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
004	Custom Paper 004	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

005	Custom Paper 005	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
006	Custom Paper 006	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
007	Custom Paper 007	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
008	Custom Paper 008	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
009	Custom Paper 009	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
010	Custom Paper 010	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
011	Custom Paper 011	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
012	Custom Paper 012	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
013	Custom Paper 013	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
014	Custom Paper 014	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
015	Custom Paper 015	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
016	Custom Paper 016	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
017	Custom Paper 017	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
018	Custom Paper 018	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
019	Custom Paper 019	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
020	Custom Paper 020	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
021	Custom Paper 021	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
022	Custom Paper 022	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
023	Custom Paper 023	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
024	Custom Paper 024	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
025	Custom Paper 025	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
026	Custom Paper 026	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
027	Custom Paper 027	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
028	Custom Paper 028	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
029	Custom Paper 029	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
030	Custom Paper 030	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

031	Custom Paper 031	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
032	Custom Paper 032	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
033	Custom Paper 033	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
034	Custom Paper 034	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
035	Custom Paper 035	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
036	Custom Paper 036	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
037	Custom Paper 037	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
038	Custom Paper 038	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
039	Custom Paper 039	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
040	Custom Paper 040	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
041	Custom Paper 041	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
042	Custom Paper 042	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
043	Custom Paper 043	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
044	Custom Paper 044	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
045	Custom Paper 045	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
046	Custom Paper 046	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
047	Custom Paper 047	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
048	Custom Paper 048	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
049	Custom Paper 049	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
050	Custom Paper 050	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
051	Custom Paper 051	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
052	Custom Paper 052	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
053	Custom Paper 053	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
054	Custom Paper 054	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
055	Custom Paper 055	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
056	Custom Paper 056	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

057	Custom Paper 057	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
058	Custom Paper 058	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
059	Custom Paper 059	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
060	Custom Paper 060	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
061	Custom Paper 061	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
062	Custom Paper 062	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
063	Custom Paper 063	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
064	Custom Paper 064	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
065	Custom Paper 065	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
066	Custom Paper 066	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
067	Custom Paper 067	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
068	Custom Paper 068	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
069	Custom Paper 069	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
070	Custom Paper 070	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
071	Custom Paper 071	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
072	Custom Paper 072	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
073	Custom Paper 073	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
074	Custom Paper 074	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
075	Custom Paper 075	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
076	Custom Paper 076	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
077	Custom Paper 077	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
078	Custom Paper 078	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
079	Custom Paper 079	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
080	Custom Paper 080	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
081	Custom Paper 081	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
082	Custom Paper 082	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

083	Custom Paper 083	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
084	Custom Paper 084	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
085	Custom Paper 085	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
086	Custom Paper 086	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
087	Custom Paper 087	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
088	Custom Paper 088	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
089	Custom Paper 089	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
090	Custom Paper 090	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
091	Custom Paper 091	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
092	Custom Paper 092	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
093	Custom Paper 093	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
094	Custom Paper 094	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
095	Custom Paper 095	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
096	Custom Paper 096	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
097	Custom Paper 097	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
098	Custom Paper 098	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
099	Custom Paper 099	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
100	Custom Paper 100	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
201	Plain:Uncoated:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
202	Plain:Uncoated:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
203	Plain:Uncoated:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
204	Plain:Uncoated:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
205	Plain:Uncoated:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
206	Plain:Uncoated:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
207	Plain:Uncoated:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
208	Plain:Uncoated:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]

209	Plain:Uncoated:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
210	Plain:Uncoated:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
211	Plain:Uncoated:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
212	Plain:Uncoated:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
213	Plain:Uncoated:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
214	Plain:Uncoated:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
215	Plain:Uncoated:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
216	Plain:Uncoated:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
217	Sp1/Matte:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
218	Sp1/Matte:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
219	Sp1/Matte:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
220	Sp1/Matte:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
221	Sp1/Matte:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
222	Sp1/Matte:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
223	Sp1/Matte:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
224	Sp1/Matte:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
225	Sp1/Matte:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
226	Sp1/Matte:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
227	Sp1/Matte:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
228	Sp1/Matte:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
229	Sp1/Matte:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
230	Sp1/Matte:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
231	Sp1/Matte:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
232	Sp1/Matte:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
233	Sp2/Glossy:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
234	Sp2/Glossy:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]

235	Sp2/Glossy:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
236	Sp2/Glossy:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
237	Sp2/Glossy:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
238	Sp2/Glossy:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
239	Sp2/Glossy:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
240	Sp2/Glossy:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **0.5** / 0.1mm/step]
241	Sp2/Glossy:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
242	Sp2/Glossy:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
243	Sp2/Glossy:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
244	Sp2/Glossy:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
245	Sp2/Glossy:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
246	Sp2/Glossy:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
247	Sp2/Glossy:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
248	Sp2/Glossy:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
249	Envelope:Thick2/Thick6	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
250	Envelope:Thick3/Thick7	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
251	Envelope:Thick4/Thick8	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
252	OHP	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
253	Postcard:Thick1/Thick5	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]
254	Postcard:Thick2/Thick6	*ENG	[-3.0 to 6.0 / **0.2** / 0.1mm/step]

2123	**[Erase Margin Adj Trailing Edge]** ***D137/D138 only**		
	Corrects Trailing Edge Margin and raises detachability.		
001	Custom Paper 001	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
002	Custom Paper 002	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

003	Custom Paper 003	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
004	Custom Paper 004	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
005	Custom Paper 005	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
006	Custom Paper 006	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
007	Custom Paper 007	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
008	Custom Paper 008	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
009	Custom Paper 009	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
010	Custom Paper 010	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
011	Custom Paper 011	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
012	Custom Paper 012	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
013	Custom Paper 013	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
014	Custom Paper 014	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
015	Custom Paper 015	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
016	Custom Paper 016	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
017	Custom Paper 017	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

018	Custom Paper 018	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
019	Custom Paper 019	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
020	Custom Paper 020	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
021	Custom Paper 021	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
022	Custom Paper 022	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
023	Custom Paper 023	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
024	Custom Paper 024	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
025	Custom Paper 025	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
026	Custom Paper 026	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
027	Custom Paper 027	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
028	Custom Paper 028	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
029	Custom Paper 029	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
030	Custom Paper 030	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
031	Custom Paper 031	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
032	Custom Paper 032	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

033	Custom Paper 033	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
034	Custom Paper 034	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
035	Custom Paper 035	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
036	Custom Paper 036	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
037	Custom Paper 037	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
038	Custom Paper 038	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
039	Custom Paper 039	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
040	Custom Paper 040	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
041	Custom Paper 041	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
042	Custom Paper 042	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
043	Custom Paper 043	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
044	Custom Paper 044	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
045	Custom Paper 045	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
046	Custom Paper 046	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
047	Custom Paper 047	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

048	Custom Paper 048	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
049	Custom Paper 049	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
050	Custom Paper 050	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
051	Custom Paper 051	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
052	Custom Paper 052	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
053	Custom Paper 053	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
054	Custom Paper 054	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
055	Custom Paper 055	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
056	Custom Paper 056	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
057	Custom Paper 057	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
058	Custom Paper 058	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
059	Custom Paper 059	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
060	Custom Paper 060	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
061	Custom Paper 061	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
062	Custom Paper 062	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

063	Custom Paper 063	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
064	Custom Paper 064	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
065	Custom Paper 065	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
066	Custom Paper 066	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
067	Custom Paper 067	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
068	Custom Paper 068	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
069	Custom Paper 069	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
070	Custom Paper 070	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
071	Custom Paper 071	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
072	Custom Paper 072	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
073	Custom Paper 073	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
074	Custom Paper 074	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
075	Custom Paper 075	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
076	Custom Paper 076	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
077	Custom Paper 077	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

078	Custom Paper 078	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
079	Custom Paper 079	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
080	Custom Paper 080	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
081	Custom Paper 081	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
082	Custom Paper 082	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
083	Custom Paper 083	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
084	Custom Paper 084	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
085	Custom Paper 085	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
086	Custom Paper 086	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
087	Custom Paper 087	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
088	Custom Paper 088	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
089	Custom Paper 089	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
090	Custom Paper 090	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
091	Custom Paper 091	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
092	Custom Paper 092	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]

093	Custom Paper 093	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
094	Custom Paper 094	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
095	Custom Paper 095	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
096	Custom Paper 096	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
097	Custom Paper 097	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
098	Custom Paper 098	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
099	Custom Paper 099	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
100	Custom Paper 100	ENG	[-3.0 to 6.0 / **0.0** / 0.1mm/step]
201	Plain:Uncoated:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
202	Plain:Uncoated:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
203	Plain:Uncoated:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
204	Plain:Uncoated:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
205	Plain:Uncoated:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
206	Plain:Uncoated:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
207	Plain:Uncoated:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]

208	Plain:Uncoated:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
209	Plain:Uncoated:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
210	Plain:Uncoated:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
211	Plain:Uncoated:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
212	Plain:Uncoated:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
213	Plain:Uncoated:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
214	Plain:Uncoated:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
215	Plain:Uncoated:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
216	Plain:Uncoated:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
217	Sp1/Matte:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
218	Sp1/Matte:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
219	Sp1/Matte:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
220	Sp1/Matte:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
221	Sp1/Matte:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
222	Sp1/Matte:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]

223	Sp1/Matte:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
224	Sp1/Matte:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
225	Sp1/Matte:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
226	Sp1/Matte:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
227	Sp1/Matte:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
228	Sp1/Matte:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
229	Sp1/Matte:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
230	Sp1/Matte:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
231	Sp1/Matte:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
232	Sp1/Matte:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
233	Sp2/Glossy:Thin/Thick1:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
234	Sp2/Glossy:Thin/Thick1:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
235	Sp2/Glossy:Plain1/Thick21:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
236	Sp2/Glossy:Plain1/Thick2:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
237	Sp2/Glossy:Plain2/Thick3:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]

238	Sp2/Glossy:Plain2/Thick3:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
239	Sp2/Glossy:Mid-Thick/Thick4:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
240	Sp2/Glossy:Mid-Thick/Thick4:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
241	Sp2/Glossy:Thick1/Thick5:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
242	Sp2/Glossy:Thick1/Thick5:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
243	Sp2/Glossy:Thick2/Thick6:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
244	Sp2/Glossy:Thick2/Thick6:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
245	Sp2/Glossy:Thick3/Thick7:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
246	Sp2/Glossy:Thick3/Thick7:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
247	Sp2/Glossy:Thick4/Thick8:FC	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
248	Sp2/Glossy:Thick4/Thick8:Bk	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
249	Envelope:Thick2/Thick6	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
250	Envelope:Thick3/Thick7	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
251	Envelope:Thick4/Thick8	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
252	OHP	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]

253	Postcard:Thick1/Thick5	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]
254	Postcard:Thick2/Thick6	*ENG	[-3.0 to 6.0 / **1.0** / 0.1mm/step]

2124	**[Trailing Edge Full Bleed]** ***D137/D138 only** ▪ Selects OFF/ON for Trailing Edge Full Bleed Mode. (Custom Paper) ▪ Trailing Edge Margin becomes "0" to the corresponding Custom Paper when ON is selected. ▪ Productivity decreases when ON is selected because cleaning is performed in order to prevent verso from becoming dirty.		
001	Custom Paper 001	ENG	[0 or 1 / **0** / 1/step]
002	Custom Paper 002	ENG	[0 or 1 / **0** / 1/step]
003	Custom Paper 003	ENG	[0 or 1 / **0** / 1/step]
004	Custom Paper 004	ENG	[0 or 1 / **0** / 1/step]
005	Custom Paper 005	ENG	[0 or 1 / **0** / 1/step]
006	Custom Paper 006	ENG	[0 or 1 / **0** / 1/step]
007	Custom Paper 007	ENG	[0 or 1 / **0** / 1/step]
008	Custom Paper 008	ENG	[0 or 1 / **0** / 1/step]
009	Custom Paper 009	ENG	[0 or 1 / **0** / 1/step]
010	Custom Paper 010	ENG	[0 or 1 / **0** / 1/step]
011	Custom Paper 011	ENG	[0 or 1 / **0** / 1/step]
012	Custom Paper 012	ENG	[0 or 1 / **0** / 1/step]
013	Custom Paper 013	ENG	[0 or 1 / **0** / 1/step]
014	Custom Paper 014	ENG	[0 or 1 / **0** / 1/step]
015	Custom Paper 015	ENG	[0 or 1 / **0** / 1/step]
016	Custom Paper 016	ENG	[0 or 1 / **0** / 1/step]
017	Custom Paper 017	ENG	[0 or 1 / **0** / 1/step]

018	Custom Paper 018	ENG	[0 or 1 / **0** / 1/step]
019	Custom Paper 019	ENG	[0 or 1 / **0** / 1/step]
020	Custom Paper 020	ENG	[0 or 1 / **0** / 1/step]
021	Custom Paper 021	ENG	[0 or 1 / **0** / 1/step]
022	Custom Paper 022	ENG	[0 or 1 / **0** / 1/step]
023	Custom Paper 023	ENG	[0 or 1 / **0** / 1/step]
024	Custom Paper 024	ENG	[0 or 1 / **0** / 1/step]
025	Custom Paper 025	ENG	[0 or 1 / **0** / 1/step]
026	Custom Paper 026	ENG	[0 or 1 / **0** / 1/step]
027	Custom Paper 027	ENG	[0 or 1 / **0** / 1/step]
028	Custom Paper 028	ENG	[0 or 1 / **0** / 1/step]
029	Custom Paper 029	ENG	[0 or 1 / **0** / 1/step]
030	Custom Paper 030	ENG	[0 or 1 / **0** / 1/step]
031	Custom Paper 031	ENG	[0 or 1 / **0** / 1/step]
032	Custom Paper 032	ENG	[0 or 1 / **0** / 1/step]
033	Custom Paper 033	ENG	[0 or 1 / **0** / 1/step]
034	Custom Paper 034	ENG	[0 or 1 / **0** / 1/step]
035	Custom Paper 035	ENG	[0 or 1 / **0** / 1/step]
036	Custom Paper 036	ENG	[0 or 1 / **0** / 1/step]
037	Custom Paper 037	ENG	[0 or 1 / **0** / 1/step]
038	Custom Paper 038	ENG	[0 or 1 / **0** / 1/step]
039	Custom Paper 039	ENG	[0 or 1 / **0** / 1/step]
040	Custom Paper 040	ENG	[0 or 1 / **0** / 1/step]
041	Custom Paper 041	ENG	[0 or 1 / **0** / 1/step]
042	Custom Paper 042	ENG	[0 or 1 / **0** / 1/step]
043	Custom Paper 043	ENG	[0 or 1 / **0** / 1/step]

044	Custom Paper 044	ENG	[0 or 1 / **0** / 1/step]
045	Custom Paper 045	ENG	[0 or 1 / **0** / 1/step]
046	Custom Paper 046	ENG	[0 or 1 / **0** / 1/step]
047	Custom Paper 047	ENG	[0 or 1 / **0** / 1/step]
048	Custom Paper 048	ENG	[0 or 1 / **0** / 1/step]
049	Custom Paper 049	ENG	[0 or 1 / **0** / 1/step]
050	Custom Paper 050	ENG	[0 or 1 / **0** / 1/step]
051	Custom Paper 051	ENG	[0 or 1 / **0** / 1/step]
052	Custom Paper 052	ENG	[0 or 1 / **0** / 1/step]
053	Custom Paper 053	ENG	[0 or 1 / **0** / 1/step]
054	Custom Paper 054	ENG	[0 or 1 / **0** / 1/step]
055	Custom Paper 055	ENG	[0 or 1 / **0** / 1/step]
056	Custom Paper 056	ENG	[0 or 1 / **0** / 1/step]
057	Custom Paper 057	ENG	[0 or 1 / **0** / 1/step]
058	Custom Paper 058	ENG	[0 or 1 / **0** / 1/step]
059	Custom Paper 059	ENG	[0 or 1 / **0** / 1/step]
060	Custom Paper 060	ENG	[0 or 1 / **0** / 1/step]
061	Custom Paper 061	ENG	[0 or 1 / **0** / 1/step]
062	Custom Paper 062	ENG	[0 or 1 / **0** / 1/step]
063	Custom Paper 063	ENG	[0 or 1 / **0** / 1/step]
064	Custom Paper 064	ENG	[0 or 1 / **0** / 1/step]
065	Custom Paper 065	ENG	[0 or 1 / **0** / 1/step]
066	Custom Paper 066	ENG	[0 or 1 / **0** / 1/step]
067	Custom Paper 067	ENG	[0 or 1 / **0** / 1/step]
068	Custom Paper 068	ENG	[0 or 1 / **0** / 1/step]
069	Custom Paper 069	ENG	[0 or 1 / **0** / 1/step]

070	Custom Paper 070	ENG	[0 or 1 / **0** / 1/step]
071	Custom Paper 071	ENG	[0 or 1 / **0** / 1/step]
072	Custom Paper 072	ENG	[0 or 1 / **0** / 1/step]
073	Custom Paper 073	ENG	[0 or 1 / **0** / 1/step]
074	Custom Paper 074	ENG	[0 or 1 / **0** / 1/step]
075	Custom Paper 075	ENG	[0 or 1 / **0** / 1/step]
076	Custom Paper 076	ENG	[0 or 1 / **0** / 1/step]
077	Custom Paper 077	ENG	[0 or 1 / **0** / 1/step]
078	Custom Paper 078	ENG	[0 or 1 / **0** / 1/step]
079	Custom Paper 079	ENG	[0 or 1 / **0** / 1/step]
080	Custom Paper 080	ENG	[0 or 1 / **0** / 1/step]
081	Custom Paper 081	ENG	[0 or 1 / **0** / 1/step]
082	Custom Paper 082	ENG	[0 or 1 / **0** / 1/step]
083	Custom Paper 083	ENG	[0 or 1 / **0** / 1/step]
084	Custom Paper 084	ENG	[0 or 1 / **0** / 1/step]
085	Custom Paper 085	ENG	[0 or 1 / **0** / 1/step]
086	Custom Paper 086	ENG	[0 or 1 / **0** / 1/step]
087	Custom Paper 087	ENG	[0 or 1 / **0** / 1/step]
088	Custom Paper 088	ENG	[0 or 1 / **0** / 1/step]
089	Custom Paper 089	ENG	[0 or 1 / **0** / 1/step]
090	Custom Paper 090	ENG	[0 or 1 / **0** / 1/step]
091	Custom Paper 091	ENG	[0 or 1 / **0** / 1/step]
092	Custom Paper 092	ENG	[0 or 1 / **0** / 1/step]
093	Custom Paper 093	ENG	[0 or 1 / **0** / 1/step]
094	Custom Paper 094	ENG	[0 or 1 / **0** / 1/step]
095	Custom Paper 095	ENG	[0 or 1 / **0** / 1/step]

096	Custom Paper 096	ENG	[0 or 1 / **0** / 1/step]
097	Custom Paper 097	ENG	[0 or 1 / **0** / 1/step]
098	Custom Paper 098	ENG	[0 or 1 / **0** / 1/step]
099	Custom Paper 099	ENG	[0 or 1 / **0** / 1/step]
100	Custom Paper 100	ENG	[0 or 1 / **0** / 1/step]

2130	**[Sub Mag Adj Parameter K]**		
001	Interval:0.025 Percent	*ENG	[0 to 255 / **19** / 1/step]
002	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **3990** / 1/step]
003	Interval:0.05 Percent	*ENG	[0 to 255 / **53** / 1/step]
004	Mag Reciprocal:0.05 Percent	*ENG	[0 to 8191 / **1961** / 1/step]
005	Interval:0.075 Percent	*ENG	[0 to 255 / **19** / 1/step]
006	Mag Reciprocal:0.075 Percent	*ENG	[0 to 8191 / **1349** / 1/step]
007	Interval:0.1 Percent	*ENG	[0 to 255 / **53** / 1/step]
008	Mag Reciprocal:0.1 Percent	*ENG	[0 to 8191 / **1007** / 1/step]
009	Interval:0.125 Percent	*ENG	[0 to 255 / **47** / 1/step]
010	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **799** / 1/step]
011	Interval:0.15 Percent	*ENG	[0 to 255 / **29** / 1/step]
012	Mag Reciprocal:0.15 Percent	*ENG	[0 to 8191 / **667** / 1/step]
013	Interval:0.175 Percent	*ENG	[0 to 255 / **13** / 1/step]
014	Mag Reciprocal:0.175 Percent	*ENG	[0 to 8191 / **572** / 1/step]
015	Interval:0.2 Percent	*ENG	[0 to 255 / **29** / 1/step]
016	Mag Reciprocal:0.2 Percent	*ENG	[0 to 8191 / **493** / 1/step]

017	Interval:0.225 Percent	*ENG	[0 to 255 / **23** / 1/step]
018	Mag Reciprocal:0.225 Percent	*ENG	[0 to 8191 / **437** / 1/step]
019	Interval:0.25 Percent	*ENG	[0 to 255 / **19** / 1/step]
020	Mag Reciprocal:0.25 Percent	*ENG	[0 to 8191 / **339** / 1/step]
021	Interval:0.275 Percent	*ENG	[0 to 255 / **19** / 1/step]
022	Mag Reciprocal:0.275 Percent	*ENG	[0 to 8191 / **361** / 1/step]
023	Interval:0.3 Percent	*ENG	[0 to 255 / **19** / 1/step]
024	Mag Reciprocal:0.3 Percent	*ENG	[0 to 8191 / **323** / 1/step]
025	Interval:0.325 Percent	*ENG	[0 to 255 / **17 /** 1/step]
026	Mag Reciprocal:0.325 Percent	*ENG	[0 to 8191 / **306** / 1/step]
027	Interval:0.35 Percent	*ENG	[0 to 255 / 17 / 1/step]
028	Mag Reciprocal:0.35 Percent	*ENG	[0 to 8191 / **289** / 1/step]
029	Interval:0.375 Percent	*ENG	[0 to 255 / **14** / 1/step]
030	Mag Reciprocal:0.375 Percent	*ENG	[0 to 8191 / **266** / 1/step]
031	Interval:0.4 Percent	*ENG	[0 to 255 / **11** / 1/step]
032	Mag Reciprocal:0.4 Percent	*ENG	[0 to 8191 / **253** / 1/step]
033	Interval:0.425 Percent	*ENG	[0 to 255 / **21** / 1/step]
034	Mag Reciprocal:0.425 Percent	*ENG	[0 to 8191 / **231** / 1/step]
035	Interval:0.45 Percent	*ENG	[0 to 255 / **22** / 1/step]
036	Mag Reciprocal:0.45 Percent	*ENG	[0 to 8191 / **220** / 1/step]
037	Interval:0.475 Percent	*ENG	[0 to 255 / **21** / 1/step]
038	Mag Reciprocal:0.475 Percent	*ENG	[0 to 8191 / **210** / 1/step]

039	Interval:0.5 Percent	*ENG	[0 to 255 / **18** / 1/step]
040	Mag Reciprocal:0.5 Percent	*ENG	[0 to 8191 / **198** / 1/step]

2131	**[Sub Mag Adj Parameter C]**		
001	Interval:0.025 Percent	*ENG	[0 to 255 / **19** / 1/step]
002	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **3990** / 1/step]
003	Interval:0.05 Percent	*ENG	[0 to 255 / **53** / 1/step]
004	Mag Reciprocal:0.05 Percent	*ENG	[0 to 8191 / **1961** / 1/step]
005	Interval:0.075 Percent	*ENG	[0 to 255 / **19** / 1/step]
006	Mag Reciprocal:0.075 Percent	*ENG	[0 to 8191 / **1349** / 1/step]
007	Interval:0.1 Percent	*ENG	[0 to 255 / **53** / 1/step]
008	Mag Reciprocal:0.1 Percent	*ENG	[0 to 8191 / **1007** / 1/step]
009	Interval:0.125 Percent	*ENG	[0 to 255 / **47** / 1/step]
010	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **799** / 1/step]
011	Interval:0.15 Percent	*ENG	[0 to 255 / **29** / 1/step]
012	Mag Reciprocal:0.15 Percent	*ENG	[0 to 8191 / **667** / 1/step]
013	Interval:0.175 Percent	*ENG	[0 to 255 / **13** / 1/step]
014	Mag Reciprocal:0.175 Percent	*ENG	[0 to 8191 / **572** / 1/step]
015	Interval:0.2 Percent	*ENG	[0 to 255 / **29** / 1/step]
016	Mag Reciprocal:0.2 Percent	*ENG	[0 to 8191 / **493** / 1/step]
017	Interval:0.225 Percent	*ENG	[0 to 255 / **23** / 1/step]
018	Mag Reciprocal:0.225 Percent	*ENG	[0 to 8191 / **437** / 1/step]
019	Interval:0.25 Percent	*ENG	[0 to 255 / **19** / 1/step]

020	Mag Reciprocal:0.25 Percent	*ENG	[0 to 8191 / **339** / 1/step]
021	Interval:0.275 Percent	*ENG	[0 to 255 / **19** / 1/step]
022	Mag Reciprocal:0.275 Percent	*ENG	[0 to 8191 / **361** / 1/step]
023	Interval:0.3 Percent	*ENG	[0 to 255 / **19** / 1/step]
024	Mag Reciprocal:0.3 Percent	*ENG	[0 to 8191 / **323** / 1/step]
025	Interval:0.325 Percent	*ENG	[0 to 255 / **17 /** 1/step]
026	Mag Reciprocal:0.325 Percent	*ENG	[0 to 8191 / **306** / 1/step]
027	Interval:0.35 Percent	*ENG	[0 to 255 / 17 / 1/step]
028	Mag Reciprocal:0.35 Percent	*ENG	[0 to 8191 / **289** / 1/step]
029	Interval:0.375 Percent	*ENG	[0 to 255 / **14** / 1/step]
030	Mag Reciprocal:0.375 Percent	*ENG	[0 to 8191 / **266** / 1/step]
031	Interval:0.4 Percent	*ENG	[0 to 255 / **11** / 1/step]
032	Mag Reciprocal:0.4 Percent	*ENG	[0 to 8191 / **253** / 1/step]
033	Interval:0.425 Percent	*ENG	[0 to 255 / **21** / 1/step]
034	Mag Reciprocal:0.425 Percent	*ENG	[0 to 8191 / **231** / 1/step]
035	Interval:0.45 Percent	*ENG	[0 to 255 / **22** / 1/step]
036	Mag Reciprocal:0.45 Percent	*ENG	[0 to 8191 / **220** / 1/step]
037	Interval:0.475 Percent	*ENG	[0 to 255 / **21** / 1/step]
038	Mag Reciprocal:0.475 Percent	*ENG	[0 to 8191 / **210** / 1/step]
039	Interval:0.5 Percent	*ENG	[0 to 255 / **18** / 1/step]
040	Mag Reciprocal:0.5 Percent	*ENG	[0 to 8191 / **198** / 1/step]

2132	[Sub Mag Adj Parameter M]		
001	Interval:0.025 Percent	*ENG	[0 to 255 / **19** / 1/step]
002	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **3990** / 1/step]
003	Interval:0.05 Percent	*ENG	[0 to 255 / **53** / 1/step]
004	Mag Reciprocal:0.05 Percent	*ENG	[0 to 8191 / **1961** / 1/step]
005	Interval:0.075 Percent	*ENG	[0 to 255 / **19** / 1/step]
006	Mag Reciprocal:0.075 Percent	*ENG	[0 to 8191 / **1349** / 1/step]
007	Interval:0.1 Percent	*ENG	[0 to 255 / **53** / 1/step]
008	Mag Reciprocal:0.1 Percent	*ENG	[0 to 8191 / **1007** / 1/step]
009	Interval:0.125 Percent	*ENG	[0 to 255 / **47** / 1/step]
010	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **799** / 1/step]
011	Interval:0.15 Percent	*ENG	[0 to 255 / **29** / 1/step]
012	Mag Reciprocal:0.15 Percent	*ENG	[0 to 8191 / **667** / 1/step]
013	Interval:0.175 Percent	*ENG	[0 to 255 / **13** / 1/step]
014	Mag Reciprocal:0.175 Percent	*ENG	[0 to 8191 / **572** / 1/step]
015	Interval:0.2 Percent	*ENG	[0 to 255 / **29** / 1/step]
016	Mag Reciprocal:0.2 Percent	*ENG	[0 to 8191 / **493** / 1/step]
017	Interval:0.225 Percent	*ENG	[0 to 255 / **23** / 1/step]
018	Mag Reciprocal:0.225 Percent	*ENG	[0 to 8191 / **437** / 1/step]
019	Interval:0.25 Percent	*ENG	[0 to 255 / **19** / 1/step]
020	Mag Reciprocal:0.25 Percent	*ENG	[0 to 8191 / **339** / 1/step]
021	Interval:0.275 Percent	*ENG	[0 to 255 / **19** / 1/step]

022	Mag Reciprocal:0.275 Percent	*ENG	[0 to 8191 / **361** / 1/step]
023	Interval:0.3 Percent	*ENG	[0 to 255 / **19** / 1/step]
024	Mag Reciprocal:0.3 Percent	*ENG	[0 to 8191 / **323** / 1/step]
025	Interval:0.325 Percent	*ENG	[0 to 255 / **17 /** 1/step]
026	Mag Reciprocal:0.325 Percent	*ENG	[0 to 8191 / **306** / 1/step]
027	Interval:0.35 Percent	*ENG	[0 to 255 / 17 / 1/step]
028	Mag Reciprocal:0.35 Percent	*ENG	[0 to 8191 / **289** / 1/step]
029	Interval:0.375 Percent	*ENG	[0 to 255 / **14** / 1/step]
030	Mag Reciprocal:0.375 Percent	*ENG	[0 to 8191 / **266** / 1/step]
031	Interval:0.4 Percent	*ENG	[0 to 255 / **11** / 1/step]
032	Mag Reciprocal:0.4 Percent	*ENG	[0 to 8191 / **253** / 1/step]
033	Interval:0.425 Percent	*ENG	[0 to 255 / **21** / 1/step]
034	Mag Reciprocal:0.425 Percent	*ENG	[0 to 8191 / **231** / 1/step]
035	Interval:0.45 Percent	*ENG	[0 to 255 / **22** / 1/step]
036	Mag Reciprocal:0.45 Percent	*ENG	[0 to 8191 / **220** / 1/step]
037	Interval:0.475 Percent	*ENG	[0 to 255 / **21** / 1/step]
038	Mag Reciprocal:0.475 Percent	*ENG	[0 to 8191 / **210** / 1/step]
039	Interval:0.5 Percent	*ENG	[0 to 255 / **18** / 1/step]
040	Mag Reciprocal:0.5 Percent	*ENG	[0 to 8191 / **198** / 1/step]

2133	[Sub Mag Adj Parameter Y]		
001	Interval:0.025 Percent	*ENG	[0 to 255 / **19** / 1/step]
002	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **3990** / 1/step]
003	Interval:0.05 Percent	*ENG	[0 to 255 / **53** / 1/step]
004	Mag Reciprocal:0.05 Percent	*ENG	[0 to 8191 / **1961** / 1/step]
005	Interval:0.075 Percent	*ENG	[0 to 255 / **19** / 1/step]
006	Mag Reciprocal:0.075 Percent	*ENG	[0 to 8191 / **1349** / 1/step]
007	Interval:0.1 Percent	*ENG	[0 to 255 / **53** / 1/step]
008	Mag Reciprocal:0.1 Percent	*ENG	[0 to 8191 / **1007** / 1/step]
009	Interval:0.125 Percent	*ENG	[0 to 255 / **47** / 1/step]
010	Mag Reciprocal:0.025 Percent	*ENG	[0 to 8191 / **799** / 1/step]
011	Interval:0.15 Percent	*ENG	[0 to 255 / **29** / 1/step]
012	Mag Reciprocal:0.15 Percent	*ENG	[0 to 8191 / **667** / 1/step]
013	Interval:0.175 Percent	*ENG	[0 to 255 / **13** / 1/step]
014	Mag Reciprocal:0.175 Percent	*ENG	[0 to 8191 / **572** / 1/step]
015	Interval:0.2 Percent	*ENG	[0 to 255 / **29** / 1/step]
016	Mag Reciprocal:0.2 Percent	*ENG	[0 to 8191 / **493** / 1/step]
017	Interval:0.225 Percent	*ENG	[0 to 255 / **23** / 1/step]
018	Mag Reciprocal:0.225 Percent	*ENG	[0 to 8191 / **437** / 1/step]
019	Interval:0.25 Percent	*ENG	[0 to 255 / **19** / 1/step]
020	Mag Reciprocal:0.25 Percent	*ENG	[0 to 8191 / **339** / 1/step]
021	Interval:0.275 Percent	*ENG	[0 to 255 / **19** / 1/step]

022	Mag Reciprocal:0.275 Percent	*ENG	[0 to 8191 / **361** / 1/step]
023	Interval:0.3 Percent	*ENG	[0 to 255 / **19** / 1/step]
024	Mag Reciprocal:0.3 Percent	*ENG	[0 to 8191 / **323** / 1/step]
025	Interval:0.325 Percent	*ENG	[0 to 255 / **17 /** 1/step]
026	Mag Reciprocal:0.325 Percent	*ENG	[0 to 8191 / **306** / 1/step]
027	Interval:0.35 Percent	*ENG	[0 to 255 / 17 / 1/step]
028	Mag Reciprocal:0.35 Percent	*ENG	[0 to 8191 / **289** / 1/step]
029	Interval:0.375 Percent	*ENG	[0 to 255 / **14** / 1/step]
030	Mag Reciprocal:0.375 Percent	*ENG	[0 to 8191 / **266** / 1/step]
031	Interval:0.4 Percent	*ENG	[0 to 255 / **11** / 1/step]
032	Mag Reciprocal:0.4 Percent	*ENG	[0 to 8191 / **253** / 1/step]
033	Interval:0.425 Percent	*ENG	[0 to 255 / **21** / 1/step]
034	Mag Reciprocal:0.425 Percent	*ENG	[0 to 8191 / **231** / 1/step]
035	Interval:0.45 Percent	*ENG	[0 to 255 / **22** / 1/step]
036	Mag Reciprocal:0.45 Percent	*ENG	[0 to 8191 / **220** / 1/step]
037	Interval:0.475 Percent	*ENG	[0 to 255 / **21** / 1/step]
038	Mag Reciprocal:0.475 Percent	*ENG	[0 to 8191 / **210** / 1/step]
039	Interval:0.5 Percent	*ENG	[0 to 255 / **18** / 1/step]
040	Mag Reciprocal:0.5 Percent	*ENG	[0 to 8191 / **198** / 1/step]

2141	[TM/P-Sensor Test]		
001	Average:P-Sensor	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, ID Sensor, Regular reflection, Average		
005	Average:Front	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Front, Average		
006	Average:Center	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Center, Average		
007	Average:Rear	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Rear, Average		

2142	[TM/P-Sensor Test]		
001	Maximum:P-Sensor	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, ID Sensor, Regular reflection, Maximum		
005	Maximum:Front	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Front, Maximum.		
006	Maximum:Center	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Center, Maximum.		
007	Maximum:Rear	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Rear, Maximum.		

2143	[TM/P-Sensor Test]		
001	Minimum:P-Sensor	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, ID Sensor, Regular reflection, Minimum.		
005	Minimum:Front	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Front, Minimum.		

006	Minimum:Center	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Center, Minimum.		
007	Minimum:Rear	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Rear, Minimum.		

2144	**[TM/P-Sensor Test]**		
001	Maximum 2:P-Sensor	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, ID Sensor, Regular reflection, Maximum 2.		
005	Maximum 2:Front	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Front, Maximum 2.		
006	Maximum 2:Center	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Center, Maximum 2.		
007	Maximum 2:Rear	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Rear, Maximum 2.		

2145	**[TM/P-Sensor Test]**		
001	Minimum 2:P-Sensor	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, ID Sensor, Regular reflection, Minimum 2.		
005	Minimum 2:Front	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Front, Minimum 2.		
006	Minimum 2:Center	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Center, Minimum 2.		
007	Minimum 2:Rear	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Data for bare part of the belt, TM Sensor, Rear, Minimum 2.		

2146	**[TM-Sensor Test]**		
005	Number of Edge Detection:Front	*ENG	[0 to 16 / **0** / 1/step]
	Data for bare part of the belt, TM Sensor, Front, Number of Edge Detection		
006	Number of Edge Detection:Center	*ENG	[0 to 16 / **0** / 1/step]
	Data for bare part of the belt, TM Sensor, Center, Number of Edge Detection		
007	Number of Edge Detection:Rear	*ENG	[0 to 16 / **0** / 1/step]
	Data for bare part of the belt, TM Sensor, Rear, Number of Edge Detection		

2150	**[Area Mag. Correction]**		
	Main Scan Fine Adjustment by area: 1/48 Dot.		
001	Area 0: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
002	Area 1: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
003	Area 2: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
004	Area 3: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
005	Area 4: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
006	Area 5: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
007	Area 6: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
008	Area 7: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
009	Area 8: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
010	Area 9: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
011	Area 10: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
012	Area 11: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
013	Area 12: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]

014	Area 13: K	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
015	Area 0: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
016	Area 1: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
017	Area 2: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
018	Area 3: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
019	Area 4: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
020	Area 5: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
021	Area 6: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
022	Area 7: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
023	Area 8: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
024	Area 9: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
025	Area 10: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
026	Area 11: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
027	Area 12: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
028	Area 13: C	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
029	Area 0: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
030	Area 1: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
031	Area 2: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
032	Area 3: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
033	Area 4: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
034	Area 5: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
035	Area 6: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
036	Area 7: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
037	Area 8: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
038	Area 9: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
039	Area 10: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]

040	Area 11: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
041	Area 12: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
042	Area 13: M	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
043	Area 0: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
044	Area 1: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
045	Area 2: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
046	Area 3: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
047	Area 4: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
048	Area 5: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
049	Area 6: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
050	Area 7: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
051	Area 8: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
052	Area 9: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
053	Area 10: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
054	Area 11: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
055	Area 12: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]
056	Area 13: Y	*ENG	[-4095 to 4095 / **0** / 1 sub-dot/step]

2151	**[BowSkew Setting]**		
	BowSkew Initial settings.		
001	Initial Setting Area0 :K	*ENG	[0 to 24 / **0** / 1/step]
002	Initial Setting Area1-8:K	*ENG	[0 to 65535 / **0** / 1/step]
003	Initial Setting Area9-16:K	*ENG	[0 to 65535 / **0** / 1/step]
004	Initial Setting Area17-24:K	*ENG	[0 to 65535 / **0** / 1/step]
005	Initial Setting Area25-32:K	*ENG	[0 to 65535 / **0** / 1/step]
006	Initial Setting Area33-40:K	*ENG	[0 to 65535 / **0** / 1/step]

007	Initial Setting Area41-48:K	*ENG	[0 to 65535 / **0** / 1/step]
008	Initial Setting Area49-56:K	*ENG	[0 to 65535 / **0** / 1/step]
009	Initial Setting Area57-64:K	*ENG	[0 to 65535 / **0** / 1/step]
010	Initial Setting Area65-72:K	*ENG	[0 to 65535 / **0** / 1/step]
011	Initial Setting Area73-80:K	*ENG	[0 to 65535 / **0** / 1/step]
012	Initial Setting Area81-85:K	*ENG	[0 to 1023 / **0** / 1/step]
013	Initial Setting Area0 :C	*ENG	[0 to 24 / **0** / 1/step]
014	Initial Setting Area1-8:C	*ENG	[0 to 65535 / **0** / 1/step]
015	Initial Setting Area9-16:C	*ENG	[0 to 65535 / **0** / 1/step]
016	Initial Setting Area17-24:C	*ENG	[0 to 65535 / **0** / 1/step]
017	Initial Setting Area25-32:C	*ENG	[0 to 65535 / **0** / 1/step]
018	Initial Setting Area33-40:C	*ENG	[0 to 65535 / **0** / 1/step]
019	Initial Setting Area41-48:C	*ENG	[0 to 65535 / **0** / 1/step]
020	Initial Setting Area49-56:C	*ENG	[0 to 65535 / **0** / 1/step]
021	Initial Setting Area57-64:C	*ENG	[0 to 65535 / **0** / 1/step]
022	Initial Setting Area65-72:C	*ENG	[0 to 65535 / **0** / 1/step]
023	Initial Setting Area73-80:C	*ENG	[0 to 65535 / **0** / 1/step]
024	Initial Setting Area81-85:C	*ENG	[0 to 1023 / **0** / 1/step]
025	Initial Setting Area0 :M	*ENG	[0 to 24 / **0** / 1/step]
026	Initial Setting Area1-8:M	*ENG	[0 to 65535 / **0** / 1/step]
027	Initial Setting Area9-16:M	*ENG	[0 to 65535 / **0** / 1/step]
028	Initial Setting Area17-24:M	*ENG	[0 to 65535 / **0** / 1/step]
029	Initial Setting Area25-32:M	*ENG	[0 to 65535 / **0** / 1/step]
030	Initial Setting Area33-40:M	*ENG	[0 to 65535 / **0** / 1/step]
031	Initial Setting Area41-48:M	*ENG	[0 to 65535 / **0** / 1/step]
032	Initial Setting Area49-56:M	*ENG	[0 to 65535 / **0** / 1/step]

033	Initial Setting Area57-64:M	*ENG	[0 to 65535 / **0** / 1/step]
034	Initial Setting Area65-72:M	*ENG	[0 to 65535 / **0** / 1/step]
035	Initial Setting Area73-80:M	*ENG	[0 to 65535 / **0** / 1/step]
036	Initial Setting Area81-85:M	*ENG	[0 to 1023 / **0** / 1/step]
037	Initial Setting Area0 :Y	*ENG	[0 to 24 / **0** / 1/step]
038	Initial Setting Area1-8:Y	*ENG	[0 to 65535 / **0** / 1/step]
039	Initial Setting Area9-16:Y	*ENG	[0 to 65535 / **0** / 1/step]
040	Initial Setting Area17-24:Y	*ENG	[0 to 65535 / **0** / 1/step]
041	Initial Setting Area25-32:Y	*ENG	[0 to 65535 / **0** / 1/step]
042	Initial Setting Area33-40:Y	*ENG	[0 to 65535 / **0** / 1/step]
043	Initial Setting Area41-48:Y	*ENG	[0 to 65535 / **0** / 1/step]
044	Initial Setting Area49-56:Y	*ENG	[0 to 65535 / **0** / 1/step]
045	Initial Setting Area57-64:Y	*ENG	[0 to 65535 / **0** / 1/step]
046	Initial Setting Area65-72:Y	*ENG	[0 to 65535 / **0** / 1/step]
047	Initial Setting Area73-80:Y	*ENG	[0 to 65535 / **0** / 1/step]
048	Initial Setting Area81-85:Y	*ENG	[0 to 1023 / **0** / 1/step]
061	Revision Setting Area0 :C	*ENG	[0 to 24 / **0** / 1/step]
062	Revision Setting Area1-8:C	*ENG	[0 to 65535 / **0** / 1/step]
063	Revision Setting Area9-16:C	*ENG	[0 to 65535 / **0** / 1/step]
064	Revision Setting Area17-24:C	*ENG	[0 to 65535 / **0** / 1/step]
065	Revision Setting Area25-32:C	*ENG	[0 to 65535 / **0** / 1/step]
066	Revision Setting Area33-40:C	*ENG	[0 to 65535 / **0** / 1/step]
067	Revision Setting Area41-48:C	*ENG	[0 to 65535 / **0** / 1/step]
068	Revision Setting Area49-56:C	*ENG	[0 to 65535 / **0** / 1/step]
069	Revision Setting Area57-64:C	*ENG	[0 to 65535 / **0** / 1/step]
070	Revision Setting Area65-72:C	*ENG	[0 to 65535 / **0** / 1/step]

071	Revision Setting Area73-80:C	*ENG	[0 to 65535 / **0** / 1/step]
072	Revision Setting Area81-85:C	*ENG	[0 to 1023 / **0** / 1/step]
073	Revision Setting Area0 :M	*ENG	[0 to 24 / **0** / 1/step]
074	Revision Setting Area1-8:M	*ENG	[0 to 65535 / **0** / 1/step]
075	Revision Setting Area9-16:M	*ENG	[0 to 65535 / **0** / 1/step]
076	Revision Setting Area17-24:M	*ENG	[0 to 65535 / **0** / 1/step]
077	Revision Setting Area25-32:M	*ENG	[0 to 65535 / **0** / 1/step]
078	Revision Setting Area33-40:M	*ENG	[0 to 65535 / **0** / 1/step]
079	Revision Setting Area41-48:M	*ENG	[0 to 65535 / **0** / 1/step]
080	Revision Setting Area49-56:M	*ENG	[0 to 65535 / **0** / 1/step]
081	Revision Setting Area57-64:M	*ENG	[0 to 65535 / **0** / 1/step]
082	Revision Setting Area65-72:M	*ENG	[0 to 65535 / **0** / 1/step]
083	Revision Setting Area73-80:M	*ENG	[0 to 65535 / **0** / 1/step]
084	Revision Setting Area81-85:M	*ENG	[0 to 1023 / **0** / 1/step]
085	Revision Setting Area0 :Y	*ENG	[0 to 24 / **0** / 1/step]
086	Revision Setting Area1-8:Y	*ENG	[0 to 65535 / **0** / 1/step]
087	Revision Setting Area9-16:Y	*ENG	[0 to 65535 / **0** / 1/step]
088	Revision Setting Area17-24:Y	*ENG	[0 to 65535 / **0** / 1/step]
089	Revision Setting Area25-32:Y	*ENG	[0 to 65535 / **0** / 1/step]
090	Revision Setting Area33-40:Y	*ENG	[0 to 65535 / **0** / 1/step]
091	Revision Setting Area41-48:Y	*ENG	[0 to 65535 / **0** / 1/step]
092	Revision Setting Area49-56:Y	*ENG	[0 to 65535 / **0** / 1/step]
093	Revision Setting Area57-64:Y	*ENG	[0 to 65535 / **0** / 1/step]
094	Revision Setting Area65-72:Y	*ENG	[0 to 65535 / **0** / 1/step]
095	Revision Setting Area73-80:Y	*ENG	[0 to 65535 / **0** / 1/step]
096	Revision Setting Area81-85:Y	*ENG	[0 to 1023 / **0** / 1/step]

2152	**[Area Shad. Correct. Setting]**		
	Shad. Correct. Coefficient.		
001	Leading Edge: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
002	Area 0: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
003	Area 1: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
004	Area 2: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
005	Area 3: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
006	Area 4: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
007	Area 5: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
008	Area 6: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
009	Area 7: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
010	Area 8: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
011	Area 9: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
012	Area 10: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
013	Area 11: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
014	Area 12: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
015	Area 13: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
016	Area 14: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
017	Area 15: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
018	Area 16: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
019	Area 17: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
020	Area 18: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
021	Area 19: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
022	Area 20: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
023	Area 21: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

024	Area 22: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
025	Area 23: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
026	Area 24: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
027	Area 25: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
028	Area 26: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
029	Area 27: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
030	Area 28: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
031	Area 29: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
032	Area 30: K	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
033	Leading Edge: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
034	Area 0: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
035	Area 1: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
036	Area 2: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
037	Area 3: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
038	Area 4: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
039	Area 5: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
040	Area 6: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
041	Area 7: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
042	Area 8: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
043	Area 9: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
044	Area 10: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
045	Area 11: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
046	Area 12: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
047	Area 13: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
048	Area 14: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
049	Area 15: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

050	Area 16: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
051	Area 17: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
052	Area 18: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
053	Area 19: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
054	Area 20: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
055	Area 21: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
056	Area 22: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
057	Area 23: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
058	Area 24: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
059	Area 25: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
060	Area 26: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
061	Area 27: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
062	Area 28: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
063	Area 29: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
064	Area 30: C	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
065	Leading Edge: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
066	Area 0: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
067	Area 1: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
068	Area 2: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
069	Area 3: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
070	Area 4: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
071	Area 5: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
072	Area 6: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
073	Area 7: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
074	Area 8: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
075	Area 9: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

076	Area 10: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
077	Area 11: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
078	Area 12: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
079	Area 13: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
080	Area 14: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
081	Area 15: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
082	Area 16: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
083	Area 17: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
084	Area 18: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
085	Area 19: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
086	Area 20: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
087	Area 21: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
088	Area 22: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
089	Area 23: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
090	Area 24: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
091	Area 25: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
092	Area 26: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
093	Area 27: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
094	Area 28: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
095	Area 29: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
096	Area 30: M	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
097	Leading Edge: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
098	Area 0: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
099	Area 1: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
100	Area 2: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
101	Area 3: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

102	Area 4: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
103	Area 5: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
104	Area 6: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
105	Area 7: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
106	Area 8: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
107	Area 9: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
108	Area 10: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
109	Area 11: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
110	Area 12: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
111	Area 13: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
112	Area 14: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
113	Area 15: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
114	Area 16: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
115	Area 17: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
116	Area 18: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
117	Area 19: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
118	Area 20: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
119	Area 21: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
120	Area 22: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
121	Area 23: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
122	Area 24: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
123	Area 25: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
124	Area 26: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
125	Area 27: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
126	Area 28: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]
127	Area 29: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

128	Area 30: Y	*ENG	[0.875 to 1.165 / **1.000** / 0.001/step]

2153	**[MUSIC Settings]**		
001	Auto Execute	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: Auto Execute Settings Performs Auto Execute when ON is selected.		
002	During ProCon	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: During ProCon Execute Settings Performs During ProCon Execute when ON is selected.		
003	Initialization	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: Initialization Execute Settings Performs Initialization Execute when ON is selected.		
004	During Data In	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: During Data In Execute Settings Performs During Data In Execute when ON is selected.		
005	Writing	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: Writing Execute Settings Performs Writing Execute when ON is selected.		
007	Paper Interval	*ENG	[0 or 1 / **1** / 1/step]
	MUSIC: Paper Interval Execute Settings Performs Paper Interval Execute when ON is selected.		
024	Assign Page Interval	*ENG	[0 to 999 / **100** / 1page/step]
	MUSIC: Assign Page Interval Settings		
029	MUSIC Density Lvl	*ENG	[0 to 15 / **15** / 1/step]
	MUSIC: MUSIC Pattern Density Lvl Settings		
030	Clear Main Slip	ENG	[0 or 1 / **0** / 1/step] [Execute]
	MUSIC Clear Main Scan Slip		

031	Clear Sub Slip	ENG	[0 or 1 / **0** / 1/step] [Execute]
	MUSIC Clear Sub Scan Slip		
040	Decision Temp: LD K	*ENG	[0.0 to 99.9 / **1.0** / 0.1deg/step]
	K: MUSIC Decision Temp Change: LD Mode b Execution Judge		
041	Decision Temp: LD K2	*ENG	[0.0 to 99.9 / **2.0** / 0.1deg/step]
	K: MUSIC Decision Temp Change: LD 2 Mode a Execution Judge		
042	Decision Temp: LD K:Paper Int	*ENG	[0.0 to 99.9 / **0.7** / 0.1deg/step]
	K: MUSIC Decision Temp Change: LD Paper Int Execution Judge		
050	Decision Temp: LD M	*ENG	[0.0 to 99.9 / **1.0** / 0.1deg/step]
	M: MUSIC Decision Temp Change: LD Mode b Execution Judge		
051	Decision Temp: LD M2	*ENG	[0.0 to 99.9 / **3.0** / 0.1deg/step]
	M: MUSIC Decision Temp Change: LD 2 Mode a Execution Judge		
052	Decision Temp: LD M:Paper Int	*ENG	[0.0 to 99.9 / **0.7** / 0.1deg/step]
	M: MUSIC Decision Temp Change: LD Paper Int Execution Judge		
060	Decision Temp Deviation: LD KM	*ENG	[0.0 to 99.9 / **1.0** / 0.1deg/step]
	KM: MUSIC Decision Temp Change: LD Mode b Execution Judge		
061	Decision Temp Deviation: LD KM2	*ENG	[0.0 to 99.9 / **2.0** / 0.1deg/step]
	KM: MUSIC Decision Temp Change: LD 2 Mode a Execution Judge		
062	Decision Temp Deviation: LD KM:Paper Int	*ENG	[0.0 to 99.9 / **0.7** / 0.1deg/step]
	KM: MUSIC Decision Temp Deviation Change: LD Paper Int Execution Judge		

2154	**[MUSIC Setting: 2]**

001	Feed Back Mode	*ENG	[0 or 1 / **1** / 1/step]

2155	**[MUSIC Setting: 3]**		
013	Filter QF	*ENG	[0 to 3 / **3** / 1/step]
020	BeforeFilter:a1	*ENG	[-131071 to 131071 / **125869** / 1/step]
021	BeforeFilter:a2	*ENG	[-131071 to 131071 / **-60488** / 1/step]
022	BeforeFilter:b0	*ENG	[-131071 to 131071 / **39** / 1/step]
023	BeforeFilter:b1	*ENG	[-131071 to 131071 / **77** / 1/step]
024	BeforeFilter:b2	*ENG	[-131071 to 131071 / **39** / 1/step]
025	AfterFilter:a1	*ENG	[-131071 to 131071 / **125869** / 1/step]
026	AfterFilter:a2	*ENG	[-131071 to 131071 / **-63398** / 1/step]
027	AfterFilter:b0	*ENG	[-131071 to 131071 / **84** / 1/step]
028	AfterFilter:b1	*ENG	[-131071 to 131071 / **168** / 1/step]
029	AfterFilter:b2	*ENG	[-131071 to 131071 / **84** / 1/step]
050	Main Offset Left: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
051	Main Offset Center: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
052	Main Offset Right: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
053	Main Offset Left: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
054	Main Offset Center: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
055	Main Offset Right: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
056	Main Offset Left: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
057	Main Offset Center: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
058	Main Offset Right: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]

062	Sub Offset Left: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
063	Sub Offset Center: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
064	Sub Offset Right: C	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
065	Sub Offset Left: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
066	Sub Offset Center: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
067	Sub Offset Right: M	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
068	Sub Offset Left: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
069	Sub Offset Center: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
070	Sub Offset Right: Y	*ENG	[-2000.0 to 2000.0 / **0.0** / 0.1um]
090	BowSkew Upper Limit	*ENG	[0 to 24 / **24** / 1line/step]
091	BowSkew Lower Limit	*ENG	[0 to 24 / **1** / line/step]

2156	**[MUSIC Threshold Setting]**		
001	Ch 0: 1st	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
002	Ch 0: 2nd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
003	Ch 0: 3rd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
004	Ch 0: 4th	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
005	Ch 1: 1st	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
006	Ch 1: 2nd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
007	Ch 1: 3rd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
008	Ch 1: 4th	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
009	Ch 2: 1st	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
010	Ch 2: 2nd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
011	Ch 2: 3rd	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
012	Ch 2: 4th	*ENG	[0.5 to 3.0 / **1.5** / 0.1V/step]
020	Threshold hysteresis	*ENG	[0.5 to 3.0 / **0.0** / 0.1V/step]

2180	**[MUSIC Monitor]**		
001	Lens Temp: K	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	K: Lens Temp Monitor		
003	Lens Temp: M	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	M: Lens Temp Monitor		
010	Previous Temp: K Normal	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	K: Normal MUSIC Previous Temp		
011	Previous Temp: K Paper Int	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	K: Paper Int MUSIC Previous Temp		
012	Previous Temp: M Normal	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	M: Normal MUSIC Previous Temp		
013	Previous Temp: M Paper Int	*ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	M: Paper Int MUSIC Previous Temp		

2181	**[Alignment Result]**		
001	General	*ENG	[0 to 9999999 / **0** / 1/step]
	Alignment Result: General		
002	Difference Main Left: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Main Scan Difference: Left		
003	Difference Main Center: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Main Scan Difference: Center		
004	Difference Main Right: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Main Scan Difference: Right		

005	Difference Main Left: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Main Scan Difference: Left		
006	Difference Main Center: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Main Scan Difference: Center		
007	Difference Main Right: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Main Scan Difference: Right		
008	Difference Main Left: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Main Scan Difference: Left		
009	Difference Main Center: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Main Scan Difference: Center		
010	Difference Main Right: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Main Scan Difference: Right		
014	Difference Sub Left: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Sub Scan Difference: Left		
015	Difference Sub Center: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Sub Scan Difference: Center		
016	Difference Sub Right: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Sub Scan Difference: Right		
017	Difference Sub Left: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]

	M: Alignment Result: Sub Scan Difference: Left		
018	Difference Sub Center: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Sub Scan Difference: Center		
019	Difference Sub Right: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Sub Scan Difference: Right		
020	Difference Sub Left: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Sub Scan Difference: Left		
021	Difference Sub Center: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Sub Scan Difference: Center		
022	Difference Sub Right: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Sub Scan Difference: Right		
030	BowSkew Revision Left: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: BowSkew Revision: Left		
031	BowSkew Revision Center: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: BowSkew Revision: Center		
032	BowSkew Revision Right: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: BowSkew Revision: Right		
033	BowSkew Revision Left: M	*ENG	[-2000 to 2000 / **0** / 1um/step]
	M: Alignment Result: BowSkew Revision: Left		
034	BowSkew Revision Center: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]

	M: Alignment Result: BowSkew Revision: Center		
035	BowSkew Revision Right: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: BowSkew Revision: Right		
036	BowSkew Revision Left: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: BowSkew Revision: Left		
037	BowSkew Revision Center: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: BowSkew Revision: Center		
038	BowSkew Revision Right: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: BowSkew Revision: Right		
042	Skew Amt: C	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	C: Alignment Result: Skew Amt		
043	Skew Amt: M	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	M: Alignment Result: Skew Amt		
044	Skew Amt: Y	*ENG	[-2000.000 to 2000.000 / **0.000** / 0.001um/step]
	Y: Alignment Result: Skew Amt		

2183	**[Main Scan Length Detection]**		
	Main Scan Length Detection: Execute: Std Spd		
001	Execute : K	ENG	[- / **-** / 1/step] [Execute]
007	Execute : M	ENG	[- / **-** / 1/step] [Execute]

2184	[Main Scan Length Target]		
001	Execute: K	ENG	[- / - / 1/step] [Execute]
	K: Main Scan Length Target Execute		
002	Execute: C	ENG	[- / - / 1/step] [Execute]
	C: Main Scan Length Target Execute		
003	Execute: M	ENG	[- / - / 1/step] [Execute]
	M: Main Scan Length Target Execute		
004	Execute: Y	ENG	[- / - / 1/step] [Execute]
	Y: Main Scan Length Target Execute		
006	Count Value: K	ENG	[0 to 300000 / **271534** / 1/step]
	K: Main Scan Length Target: Count Value		
007	Count Value: C	ENG	[0 to 300000 / **271534** / 1/step]
	C: Main Scan Length Target: Count Value		
008	Count Value: M	ENG	[0 to 300000 / **271534** / 1/step]
	M: Main Scan Length Target: Count Value		
009	Count Value: Y	ENG	[0 to 300000 / **271534** / 1/step]
	Y: Main Scan Length Target: Count Value		

2185	[Main Scan Length Detection]		
001	Mode selection	*ENG	[0 to 2 / **2** / 1/step]

2190	[Line Position Adj. Setting]		
001	Partial Mag: K	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
002	Partial Mag: C	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
003	Partial Mag: M	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
004	Partial Mag: Y	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
006	Left Right Mag: C	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
007	Left Right Mag: M	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
008	Left Right Mag: Y	*ENG	[0 or 1 / **1** / 1/step] 0: Off 1: On
012	SnErr Level Paper Int Sub:um	*ENG	[0 to 3500 / **300** / 1um/step]
013	Partial Mag: K	*ENG	[0 to 3500 / **300** / 1um/step]
014	SnErr Level Paper Int Main:um	*ENG	[0 to 3500 / **0** / 1um/step]

2191	[Polygon Mirror Face Detection]		
001	Mode selection	*ENG	[0 or 1 / **1** / 1/step]

2194	**MUSIC Execution Result]**		
007	Execution Result	*ENG	[0 or 1 / **0** / 1/step]
	MUSIC Execution Result		
008	Number of Execution	*ENG	[0 to 999999 / **0** / 1time/step]
	MUSIC Execution Result		
009	Number of Failure	*ENG	[0 to 999999 / **0** / 1time/step]
	MUSIC Execution Result		
010	Error Result: M	*ENG	[0 to 9 / **0** / 1/step]
	MUSIC Execution Result		
011	Error Result: C	*ENG	[0 to 9 / **0** / 1/step]
	MUSIC Execution Result		
012	Error Result: Y	*ENG	[0 to 9 / **0** / 1/step]
	MUSIC Execution Result		

2197	**[MUSIC Start Time]**		
001	MUSIC Start Time (EDT)	*ENG	[10 to 40 / **20** / 10ms/step]
002	TM Sensor Position	*ENG	[50 to 500 / **52.5** / 0.1mm/step]
003	Paper Int MUSIC Read Start Pos	*ENG	[300 to -300 / **8.79** / 0.01mm/step]

2198	**[MUSIC A/D Interval]**		
001	ADC Trigger Counter	*ENG	[5.0 to 20.0 / **5.0** / 0.1us/step]

2199	**[Music Error Time Setting]**		
001	Error Detection Counter:Normal	*ENG	[0.1 to 9.9 / **2.5** / 0.1sec/step]
	MUSIC Error Detection Counter: Normal		
002	Error Detection Counter:Paper Interval	*ENG	[0.1 to 9.9 / **0.5** / 0.1sec/step]
	MUSIC Error Detection Counter: Paper Interval		

2201	**[Set DC Charge]**		
	Sets DC Bias Charge. However, only enabled when [0:FIXED] is selected in SP3-600-001 ProCon Potential Control.		
001	K	ENG	[300 to 1000 / **550** / 1-V/step]
002	C	ENG	
003	M	ENG	
004	Y	ENG	

2202	**[Set AC (Fixed) Charge]**		
	Fixed output value when AC Charge Adjustment is OFF (SP2-205-001 is [1: FIXED])		
001	AC Bias :K	ENG	[0.00 to 3.00 / **2.20** / 0.01KV/step]
002	AC Bias :C	ENG	
003	AC Bias :M	ENG	
004	AC Bias :Y	ENG	

2204	**[Set AC Environ Corr]**		
	Target current value for AC Charge Adjustment Value increase: Vpp increases. Value decrease: Vpp decreases.		
001	Norm:LL:Target:K	*ENG	[1.25 to 3.00 / **1.86(Office a, Pro a), 2.25(Office b, Pro b)** / 0.01mA/step]
002	Norm:LL:Target:C	*ENG	[1.25 to 3.00 / **2.35(Office b, Pro b)** / 0.01mA/step]
003	Norm:LL:Target:M	*ENG	[1.25 to 3.00 / **2.35(Office b, Pro b)** / 0.01mA/step]
004	Norm:LL:Target:Y	*ENG	[1.25 to 3.00 / **2.35(Office b, Pro b)** / 0.01mA/step]
006	Norm:ML:Target:K	*ENG	[1.25 to 3.00 / **1.86(Office a, Pro a), 2.25(Office b, Pro b)** / 0.01mA/step]
007	Norm:ML:Target:C	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
008	Norm:ML:Target:M	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
009	Norm:ML:Target:Y	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
011	Norm:MM:Target:K	*ENG	[1.25 to 3.00 / **2.25(Office b, Pro b)** / 0.01mA/step]
012	Norm:MM:Target:C	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]

013	Norm:MM:Target:M	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
014	Norm:MM:Target:Y	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
016	Norm:MH:Target:K	*ENG	[1.25 to 3.00 / **2.25(Office b, Pro b)** / 0.01mA/step]
017	Norm:MH:Target:C	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
018	Norm:MH:Target:M	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
019	Norm:MH:Target:Y	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
021	Norm:HH:Target:K	*ENG	[1.25 to 3.00 / **2.25(Office b, Pro b)** / 0.01mA/step]
022	Norm:HH:Target:C	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
023	Norm:HH:Target:M	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
024	Norm:HH:Target:Y	*ENG	[1.25 to 3.00 / **1.96(Office a, Pro a), 2.35(Office b, Pro b)** / 0.01mA/step]
026	Mid:LL:Target:K	*ENG	[1.25 to 3.00 / **1.20(Office a), 1.86(Office b), 1.55(Pro a, Pro b)** / 0.01mA/step]
027	Mid:LL:Target:C	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.60(Pro a, Pro b)** / 0.01mA/step]

028	Mid:LL:Target:M	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.60(Pro a, Pro b)** / 0.01mA/step]
029	Mid:LL:Target:Y	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.60(Pro a, Pro b)** / 0.01mA/step]
031	Mid:ML:Target:K	*ENG	[1.25 to 3.00 / **1.20(Office a), 1.86(Office b), 1.55(Pro a, Pro b)** / 0.01mA/step]
032	Mid:ML:Target:C	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
033	Mid:ML:Target:M	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
034	Mid:ML:Target:Y	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
036	Mid:MM:Target:K	*ENG	[1.25 to 3.00 / **1.20(Office a), 1.55(Pro a, Pro b)** / 0.01mA/step]
037	Mid:MM:Target:C	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
038	Mid:MM:Target:M	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
039	Mid:MM:Target:Y	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
041	Mid:MH:Target:K	*ENG	[1.25 to 3.00 / **1.20(Office a), 1.55(Pro a, Pro b)** / 0.01mA/step]
042	Mid:MH:Target:C	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]

043	Mid:MH:Target:M	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
044	Mid:MH:Target:Y	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
046	Mid:HH:Target:K	*ENG	[1.25 to 3.00 / **1.20(Office a), 1.55(Pro a, Pro b)** / 0.01mA/step]
047	Mid:HH:Target:C	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
048	Mid:HH:Target:M	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
049	Mid:HH:Target:Y	*ENG	[1.25 to 3.00 / **1.25(Office a), 1.96(Office b), 1.60(Pro a, Pro b)** / 0.01mA/step]
051	MidLow:LL:Target:K	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
052	MidLow:LL:Target:C	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
053	MidLow:LL:Target:M	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
054	MidLow:LL:Target:Y	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
056	MidLow:ML:Target:K	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
057	MidLow:ML:Target:C	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
058	MidLow:ML:Target:M	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
059	MidLow:ML:Target:Y	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
061	MidLow:MM:Target:K	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
062	MidLow:MM:Target:C	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
063	MidLow:MM:Target:M	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
064	MidLow:MM:Target:Y	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]

066	MidLow:MH:Target:K	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
067	MidLow:MH:Target:C	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
068	MidLow:MH:Target:M	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
069	MidLow:MH:Target:Y	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
071	MidLow:HH:Target:K	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
072	MidLow:HH:Target:C	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
073	MidLow:HH:Target:M	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
074	MidLow:HH:Target:Y	*ENG	[0.75 to 2.50 / **1.25** / 0.01mA/step]
076	Low:LL:Target:K	*ENG	[0.75 to 2.50 / **1.15** / 0.01mA/step]
077	Low:LL:Target:C	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
078	Low:LL:Target:M	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
079	Low:LL:Target:Y	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
081	Low:ML:Target:K	*ENG	[0.75 to 2.50 / **1.15** / 0.01mA/step]
082	Low:ML:Target:C	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
083	Low:ML:Target:M	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
084	Low:ML:Target:Y	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
086	Low:MM:Target:K	*ENG	[0.75 to 2.50 / **1.15** / 0.01mA/step]
087	Low:MM:Target:C	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
088	Low:MM:Target:M	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
089	Low:MM:Target:Y	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
091	Low:MH:Target:K	*ENG	[0.75 to 2.50 / **1.15** / 0.01mA/step]
092	Low:MH:Target:C	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
093	Low:MH:Target:M	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
094	Low:MH:Target:Y	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
096	Low:HH:Target:K	*ENG	[0.75 to 2.50 / **1.15** / 0.01mA/step]
097	Low:HH:Target:C	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]

098	Low:HH:Target:M	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]
099	Low:HH:Target:Y	*ENG	[0.75 to 2.50 / **1.20** / 0.01mA/step]

2205	**[Adj/Display AC Charge]**		
	-		
001	Select	*ENG	[0 or 1 / **0** / 1/step] 0: Auto 1: Fixed
	Settings for ON/OFF of AC Charge Adjustment		
002	Temp Threshold 1	*ENG	[0 to 50 / **3** / 1deg/step]
	Temp Threshold for After Idle Time Execution of AC Charge Adjustment		
003	Temp Threshold 2	*ENG	[0 to 50 / **1** / 1deg/step]
	Temp Threshold for Active Time Execution of AC Charge Adjustment		
004	Execution Interval	*ENG	[0 to 200 / **10** / 1/step]
	Execution Interval (number of pages) of AC Charge Adjustment		
005	Previous Temp:BW	*ENG	[0 to 50 / **0** / 1deg/step]
	Previous temperature (BW) of AC Charge Adjustment Execution		
006	Previous Temp:Col	*ENG	[0 to 50 / **0** / 1deg/step]
	Previous temperature (Col) of AC Charge Adjustment Execution		

2208	**[Chg AC Adj:Execute]**		
001	Execute AC Reduction	*ENG	[- / **-** / -] [Execute]
	Forced execution of AC Charge Adjustment Execution		

2209	**[Chg AC Adj:Result]**		
001	From Left:YMCK	*ENG	[0000 to 9999 / **0000** / 1/step]
	Result display of AC Charge Adjustment Execution		

2211	**[Set LD Power]**		
	Sets LD Power for Writing Unit. However, only enabled when [0: FIXED] is selected in SP3-600-001 ProCon Potential Control.		
001	K	ENG	[60 to 180 / **100** / 1%/step]
002	C	ENG	
003	M	ENG	
004	Y	ENG	

2212	**[Set Dev DC]**		
	Sets Development DC Bias Charge. However, only enabled when [0:FIXED] is selected in SP3-600-001 ProCon Potential Control.		
001	K	ENG	[200 to 800 / **450** / 1-V/step]
002	C	ENG	
003	M	ENG	
004	Y	ENG	

2224	**[Set QL Power]**		
001	Norm Image	*ENG	[0 to 100 / **65** / 1%/step]
	Sets QL Power for Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
002	Norm Non-Image	*ENG	[0 to 100 / **65** / 1%/step]
	Sets QL Power for Non Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
003	Mid Image	*ENG	[0 to 100 / **40** / 1%/step]
	Sets QL Power for Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
004	Mid Non-Image	*ENG	[0 to 100 / **40** / 1%/step]
	Sets QL Power for Non Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
005	MidLow Image	*ENG	[0 to 100 / **40** / 1%/step]
	Sets QL Power for Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
006	MidLow Non-Image	*ENG	[0 to 100 / **40** / 1%/step]
	Sets QL Power for Non Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		
007	Low Image	*ENG	[0 to 100 / **36** / 1%/step]
	Sets QL Power for Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		

008	Low Non-Image	*ENG	[0 to 100 / **36** / 1%/step]
	Sets QL Power for Non Image Area. Value increase: QL Power increases. Value decrease: QL Power decreases.		

2225	**[Cleaning Speed:Col]**		
001	Standard Speed	*ENG	[100 to 500 / **207** / 1/step]
	Standard rotation times _rpm (Standard Speed) of Cleaning Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
002	Middle Speed	*ENG	[100 to 500 / **141** / 1/step]
	Standard rotation times _rpm (Middle Speed) of Cleaning Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
003	Middle-Low Speed	*ENG	[100 to 500 / **141** / 1/step]
	Standard rotation times _rpm (Middle-Low Speed) of Cleaning Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
004	Low Speed	*ENG	[100 to 500 / **130** / 1/step]
	Standard rotation times _rpm (Low Speed) of Cleaning Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
006	Period of Revs1	*ENG	[0 to 400000 / **5000** / 100 mm/step]
	Period of revs for Cleaning Brush		
007	Period of Revs2	*ENG	[0 to 400000 / **15000** / 100 mm/step]
	Period of revs for Cleaning Brush		
008	Period of Revs3	*ENG	[0 to 400000 / **40000** / 100 m m/step]

	Period of revs for Cleaning Brush		
009	Period of Revs4	*ENG	[0 to 400000 / **30000** / 100 m m/step]
	Period of revs for Cleaning Brush		
013	Distance Coefficient1	*ENG	[0.50 to 2.00 / **1.00** / 0.01/step]
	Distance Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
014	Distance Coefficient2	*ENG	[0.50 to 2.00 / **1.00** / 0.01/step]
	Distance Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
015	Distance Coefficient3	*ENG	[0.50 to 2.00 / **1.00** / 0.01/step]
	Distance Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
016	Distance Coefficient4	*ENG	[0.50 to 2.00 / **1.00** / 0.01/step]
	Distance Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
017	Distance Coefficient5	*ENG	[0.50 to 2.00 / **1.00** / 0.01/step]
	Distance Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
020	Special Mode Selection:K	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Special Mode Selection		

021	Special Mode Selection:C	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Special Mode Selection		
022	Special Mode Selection:M	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Special Mode Selection		
023	Special Mode Selection:Y	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Special Mode Selection		
024	Special Mode Coefficient1	*ENG	[0.50 to 2.00 / **1.20** / 0.01/step]
	Distance Coefficient for Rotation times of Brush in Special Mode Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
025	Special Mode Coefficient2	*ENG	[0.50 to 2.00 / **1.20** / 0.01/step]
	Distance Coefficient for Rotation times of Brush in Special Mode Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
026	Special Mode Coefficient3	*ENG	[0.50 to 2.00 / **1.20** / 0.01/step]
	Distance Coefficient for Rotation times of Brush in Special Mode Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
027	Special Mode Coefficient4	*ENG	[0.50 to 2.00 / **1.20** / 0.01/step]
	Distance Coefficient for Rotation times of Brush in Special Mode Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
028	Special Mode Coefficient5	*ENG	[0.50 to 2.00 / **1.20** / 0.01/step]

	Distance Coefficient for Rotation times of Brush in Special Mode Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
032	Environ Coefficient 1	*ENG	[0.50 to 2.00 / **0.70** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
033	Environ Coefficient 2	*ENG	[0.50 to 2.00 / **0.83** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
034	Environ Coefficient 3	*ENG	[0.50 to 2.00 / **0.96** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
035	Environ Coefficient 4	*ENG	[0.50 to 2.00 / **1.10** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
036	Environ Coefficient 5	*ENG	[0.50 to 2.00 / **1.30** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
037	Environ Coefficient 6	*ENG	[0.50 to 2.00 / **1.50** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
038	Environ Coefficient 7	*ENG	[0.50 to 2.00 / **1.63** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		

039	Environ Coefficient 8	*ENG	[0.50 to 2.00 / **1.76** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
040	Environ Coefficient 9	*ENG	[0.50 to 2.00 / **1.90** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		
041	Environ Coefficient 10	*ENG	[0.50 to 2.00 / **2.00** / 0.01/step]
	Environment Coefficient for Rotation times of Brush Value increase: Lubricant consumption increases. Value decrease: Lubricant consumption decreases.		

2231	**[Cont High Q Img: CPM Down Mode]**		
001	Shift Threshold	ENG	[0 to 100 / **53** / 1%/step]
	▪ -Shifts to CPM Down Mode when Accumulated Image Area rate of any color (K, C, M or Y) exceeds the threshold. ▪ -CPM Down Mode is the mode for preventing "Medaka"(which is the symptom that a image has short vertical white lines) and decreases the occurrence by reducing the image area per unit time making interval between papers. ▪ -Value increase: The effect to decrease "Medaka"reduces, however, it becomes more difficult to enter the CPM Down Mode. ▪ Value decreases: It becomes easier to enter the CPM Down Mode, however, the effect to decrease "Medaka" gains. *Set SP value for 100 if you do not want		

002	Stop Threshold	ENG	[0 to 100 / **45** / 1%/step]
	▪ Swtches to CPM Down mode when ether of the colors (KCMY) Accumulated Image Area rate goes under this threshold. ▪ Value increase: CPM Down mode will end sooner, but “Medaka” depression effect will decrease. ▪ Value decrease: “Medaka” depression effect will increace, but easyer for CPM Down mode to go on. * If value becomes lager than Shift Threshold (SP2-231-001), CPM Down mode will not work long enough.		
003	CPM Value	ENG	[0 to 100 / **70** / 1%/step]
	▪ CPM Down rate for CPM Down mode. (if set for 70, CPM will be 70% of useual) ▪ Value increase: “Medaka” depression effect will increase, but the CPM will be slower when CPM down mode. ▪ Value decrease: CPM will be faster when CPM down mode, but “Medaka” depression effect will decrease.		
004	Cleaning Blade Worn-out Threshold	ENG	[0 to 99999999 / **80000** / 1m]
	▪ Switches to CPM down mode when ether of the KCMY Colors cleaning blade runs longer than this threshold. ▪ Value increase: Enters CPM down mode when clening blade is worned out even more. Keeps CPM down mode to kickin as well but, “Medaka” depression effect will decrease. ▪ Value decrese: Enters CPM down mode even blade is worned out much less. Easyer for CPM down mode to kickin, but “Medaka” depression effect will increase.		
011	DC Avg.:LL:K	ENG	[0.00 to 100.00 / **0.00** / 0.01%/step]
	Displays Accumulated Image Area rate used for CPM Down Mode Shift Judgment.		
012	DC Avg.:LL:C	ENG	[0.00 to 100.00 / **0.00** / 0.01%/step]
	Displays Accumulated Image Area rate used for CPM Down Mode Shift Judgment.		

013	DC Avg.:LL:M	ENG	[0.00 to 100.00 / **0.00** / 0.01%/step]
	Displays Accumulated Image Area rate used for CPM Down Mode Shift Judgment.		
014	DC Avg.:LL:Y	ENG	[0.00 to 100.00 / **0.00** / 0.01%/step]
	Displays Accumulated Image Area rate used for CPM Down Mode Shift Judgment.		
021	TotalPage:LL:Set	ENG	[1 to 65535 / **300** / 1count/step]
	Defines the base (number of pages) for taking average on Accumulated Image Area rate.		

2241	**[Temperature/Humidity: Display]**		
001	AIT Temperature	ENG	[-1280 to 1270 / **0** / 1deg/step]
	Displays the temperature for Y Development Thermistor.		

2301	**[Current Value:FC]**		
001	Side1:ITB K	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB K of the previous printing (FC Mode/Side 1).		
002	Side1:ITB C	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB C of the previous printing (FC Mode/Side 1).		
003	Side1:ITB M	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB M of the previous printing (FC Mode/Side 1).		
004	Side1:ITB Y	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB Y of the previous printing (FC Mode/Side 1).		
006	Side1:PTR AC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of PTR AC of the previous printing (FC Mode/Side 1).		
007	Side1:PTR DC	ENG	[-300 to 0 / **0** / 1uA/step]
	Displays Output Value of PTR DC of the previous printing (FC Mode/Side 1).		

008	Side1:SepDC	ENG	[0 to 10 / **0** / 1uA/step]
	Displays Output Value of SepDC of the previous printing (FC Mode/Side 1).		
009	Side1:SepAC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of SepAC of the previous printing (FC Mode/Side 1).		
011	Side2:ITB K	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB K of the previous printing (FC Mode/Side 2).		
012	Side2:ITB C	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB C of the previous printing (FC Mode/Side 2).		
013	Side2:ITB M	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB M of the previous printing (FC Mode/Side 2).		
014	Side2:ITB Y	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB Y of the previous printing (FC Mode/Side 2).		
016	Side2:PTR AC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of PTR AC of the previous printing (FC Mode/Side 2).		
017	Side2:PTR DC	ENG	[-300 to 0 / **0** / 1uA/step]
	Displays Output Value of PTR DC of the previous printing (FC Mode/Side 2).		
018	Side2:SepDC	ENG	[0 to 10 / **0** / 1uA/step]
	Displays Output Value of SepDC of the previous printing (FC Mode/Side 2).		
019	Side2:SepAC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of SepAC of the previous printing (FC Mode/Side 2).		

2302	**[Current Value:BW]**		
001	Side1:ITB K	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB K of the previous printing (BW Mode/Side 1).		
006	Side1:PTR AC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of PTR AC of the previous printing (BW Mode/Side 1).		

007	Side1:PTR	ENG	[-300 to 0 / **0** / 1uA/step]
	Displays Output Value of PTR DC of the previous printing (BW Mode/Side 1).		
008	Side1:SepDC	ENG	[0.0 to 10.0 / **0.0** / 0.1uA/step]
	Displays Output Value of SepDC of the previous printing (BW Mode/Side 1).		
009	Side1:SepAC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of SepAC of the previous printing (BW Mode/Side 1).		
011	Side2:ITB K	ENG	[0 to 70 / **0** / 1uA/step]
	Displays Output Value of ITB K of the previous printing (BW Mode/Side 2).		
016	Side2:PTR AC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of PTR AC of the previous printing (BW Mode/Side 2).		
017	Side2:PTR	ENG	[-300 to 0 / **0** / 1uA/step]
	Displays Output Value of PTR DC of the previous printing (BW Mode/Side 2).		
018	Side2:SepDC	ENG	[0.0 to 10.0 / **0.0** / 0.1uA/step]
	Displays Output Value of SepDC of the previous printing (BW Mode/Side 2).		
019	Side2:SepAC	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
	Displays Output Value of SepAC of the previous printing (BW Mode/Side 2).		

2311	**[Current R Level]**		
001	ITB K	*ENG	[0 to 9 / **0** / 1/step]
	Displays Current R Level for ITB Roller K based on the detection result of Regist FB Control.		
002	ITB C	*ENG	[0 to 9 / **0** / 1/step]
	Displays Current R Level for ITB Roller C based on the detection result of Regist FB Control.		
003	ITB M	*ENG	[0 to 9 / **0** / 1/step]
	Displays Current R Level for ITB Roller M based on the detection result of Regist FB Control.		

004	ITB Y	*ENG	[0 to 9 / **0** / 1/step]
	Displays Current R Level for ITB Roller Y based on the detection result of Regist FB Control.		
007	PTR	*ENG	[0 to 9 / **0** / 1/step]
	Displays Current R Level for PTR based on the detection result of Regist FB Control.		
2311	**[Current R Division]**		
011	ITB K	*ENG	[0 to 6 / **3** / 1/step]
	Displays Current R Division for ITB Roller K based on the detection result of Regist FB Control.		
012	ITB C	*ENG	[0 to 6 / **3** / 1/step]
	Displays Current R Division for ITB Roller C based on the detection result of Regist FB Control.		
013	ITB M	*ENG	[0 to 6 / **3** / 1/step]
	Displays Current R Division for ITB Roller M based on the detection result of Regist FB Control.		
014	ITB Y	*ENG	[0 to 6 / **3** / 1/step]
	Displays Current R Division for ITB Roller Y based on the detection result of Regist FB Control.		
017	PTR	*ENG	[0 to 6 / **3** / 1/step]
	Displays Current R Division for PTR based on the detection result of Regist FB Control.		

2312	**[Measured Voltage]**		
001	ITB K	*ENG	[0.00 to 7.00 / **0.00** / 0.01kV/step]
	Displays Measured Voltage for ITB K when executing Regist FB Control.		
002	ITB C	*ENG	[0.00 to 7.00 / **0.00** / 0.01kV/step]
	Displays Measured Voltage for ITB C when executing Regist FB Control.		

003	ITB M	*ENG	[0.00 to 7.00 / **0.00** / 0.01kV/step]
	Displays Measured Voltage for ITB M when executing Regist FB Control.		
004	ITB Y	*ENG	[0.00 to 7.00 / **0.00** / 0.01kV/step]
	Displays Measured Voltage for ITB Y when executing Regist FB Control.		
007	PTR	*ENG	[0.00 to 12.00 / **0.00** / 0.01kV/step]
	Displays Measured Voltage for PTR when executing Regist FB Control.		
2312	**[Env Vltg Meas]**		
011	Env Level	*ENG	[0 to 9 / **0** / 1/step]
	Displays Env Level when executing Regist FB Control.		
013	Env Division	ENG	[0 to 6 / **3** / 1/step]
	Displays Env Division when executing Regist FB Control.		

2313	**[Execute Vltg Meas]**		
001	FC	ENG	[0 or 1 / **0** / 1/step]
	Executes Regist FB Control with SP.		

2314	**[Set:Int Vltg Meas]**		
001	Interrupt Interval	*ENG	[0 to 20000 / **1000** / 1page/step]
	Sets the interval for executing Regist FB Control automatically by interrupting.		
002	JobEnd Interval	*ENG	[0 to 20000 / **200** / 1page/step]
	Sets the interval for executing Regist FB Control automatically with Job End.		

2315	**[Disp:Int Vltg Meas]**		
002	Page Cnt:FC	*ENG	[0 to 20000 / **0** / 1page/step]
	Displays the number of printed pages after Regist FB Control is executed. It is "0"-cleared when Regist FB Control is executed.		

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2316	[Set:Current Vltg Meas]		
001	ITB	*ENG	[0 to 70 / **34** / 1uA/step]
	Displays ITB (shared by all colors) when executing Regist FB Control.		
011	PTR 1st	*ENG	[-300 to 0 / **-52** / 1uA/step]
	Displays PTR when executing Regist FB Control.		

2317	[Set:Vltg Meas]		
001	Startup Time	*ENG	[0 to 1000 / **30** / 1msec/step]
	Sets the time for outputting with P.P. Output Maximum to start up PTR when executing Regist FB Control. (peculiar to Pro machine)		
002	Changeover Time	*ENG	[0 to 1000 / **200** / 1msec/step]
	Sets the waiting time that PTR becomes stable by detection current when executing Regist FB Control. (peculiar to Pro machine)		

2318	[Current Age Division]		
001	ITB K	*ENG	[0 to 3 / **0** / 1/step]
	Displays Age Division for executing Age Correction for ITB K based on PM Counter of the developer.		
002	ITB C	*ENG	[0 to 3 / **0** / 1/step]
	Displays Age Division for executing Age Correction for ITB C based on PM Counter of the developer.		
003	ITB M	*ENG	[0 to 3 / **0** / 1/step]
	Displays Age Division for executing Age Correction for ITB M based on PM Counter of the developer.		

004	ITB Y	*ENG	[0 to 3 / **0** / 1/step]
	Displays Age Division for executing Age Correction for ITB Y based on PM Counter of the developer.		

2321	**[R Thresh:LLL]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]
005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]
006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **1.20** / 0.01kV/step]
007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **1.60** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **2.40** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **3.70** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **6.50** / 0.01kV/step]

2322	**[R Thresh:LL]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]
005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]
006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **0.95** / 0.01kV/step]

007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **1.30** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **1.90** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **2.90** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **5.50** / 0.01kV/step]

2323	**[R Thresh:ML]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]
005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]
006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **0.70** / 0.01kV/step]
007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **0.95** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **1.40** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **2.15** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **4.50** / 0.01kV/step]

2324	**[R Thresh:MM]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]
005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]

006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **0.48** / 0.01kV/step]
007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **0.60** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **0.90** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **1.45** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]

2325	**[R Thresh:MH]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]
005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]
006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **0.25** / 0.01kV/step]
007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **0.33** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **0.50** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **0.95** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **2.80** / 0.01kV/step]

2326	**[R Thresh:HH]**		
	Sets the threshold for determining R Level for ITB Roller in the execution environment.		
001	R Thresh1:ITB	*ENG	[0.00 to 10.00 / **1.35** / 0.01kV/step]
002	R Thresh2:ITB	*ENG	[0.00 to 10.00 / **1.70** / 0.01kV/step]
003	R Thresh3:ITB	*ENG	[0.00 to 10.00 / **2.30** / 0.01kV/step]
004	R Thresh4:ITB	*ENG	[0.00 to 10.00 / **3.50** / 0.01kV/step]

005	R Thresh5:ITB	*ENG	[0.00 to 10.00 / **7.00** / 0.01kV/step]
006	R Thresh1:PTR	*ENG	[0.00 to 10.00 / **0.20** / 0.01kV/step]
007	R Thresh2:PTR	*ENG	[0.00 to 10.00 / **0.26** / 0.01kV/step]
008	R Thresh3:PTR	*ENG	[0.00 to 10.00 / **0.39** / 0.01kV/step]
009	R Thresh4:PTR	*ENG	[0.00 to 10.00 / **0.80** / 0.01kV/step]
010	R Thresh5:PTR	*ENG	[0.00 to 10.00 / **2.50** / 0.01kV/step]

2331	**[Age Thresh]**		
001	Age Thresh1:K	*ENG	[0 to 600000 / **5000** / 1page/step]
	Sets the threshold for determining Age Division for ITB K based on PM Counter of the developer.		
002	Age Thresh2:K	*ENG	[0 to 600000 / **20000** / 1page/step]
	Sets the threshold for determining Age Division for ITB K based on PM Counter of the developer.		
003	Age Thresh3:K	*ENG	[0 to 600000 / **50000** / 1page/step]
	Sets the threshold for determining Age Division for ITB K based on PM Counter of the developer.		
011	Age Thresh1:Col	*ENG	[0 to 600000 / **5000** / 1page/step]
	Sets the threshold for determining Age Division for ITB Col(YMC) based on PM Counter of the developer.		
012	Age Thresh2:Col	*ENG	[0 to 600000 / **20000** / 1page/step]
	Sets the threshold for determining Age Division for ITB Col(YMC) based on PM Counter of the developer.		
013	Age Thresh3:Colc	*ENG	[0 to 600000 / **50000** / 1page/step]
	Sets the threshold for determining Age Division for ITB Col(YMC) based on PM Counter of the developer.		

2400	**[ITB Corr:ON/OFF]**		
	-		
001	All Corr	*ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for all the correction types for ITB Current. Cleared by turning off the power and returns to the default settings.		
002	Eng Spd Corr	*ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Line Speed Correction for ITB Current. Cleared by turning off the power and returns to the default settings.		
003	Env Corr	*ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Environment Correction for ITB Current. Cleared by turning off the power and returns to the default settings.		
004	Pot Corr	*ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Position Correction for ITB Current. Cleared by turning off the power and returns to the default settings.		
005	Age Corr	*ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Age Correction for ITB Current. OFF Cleared by turning off the power and returns to the default settings.		

2401	**[ITB K:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K along with the Operation Line Speed.		
001	Std Spd:FC	*ENG	[10 to 200 / **81** / 1%/step]
002	Std Spd:BW	*ENG	
003	Std Spd:Non-Image	*ENG	

2402	**[ITB K:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K along with the Operation Line Speed.		
001	Mid Spd:FC	*ENG	[10 to 200 / **51** / 1%/step]
002	Mid Spd:BW	*ENG	
003	Mid Spd:Non-Image	*ENG	

2403	**[ITB K:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K along with the Operation Line Speed.		
001	Mid-Low Spd:FC	*ENG	[10 to 200 / **10** / 1%/step]
002	Mid-Low Spd:BW	*ENG	
003	Mid-Low Spd:Non-Image	*ENG	

2404	**[ITB K:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K along with the Operation Line Speed.		
001	Low Spd:FC	*ENG	[10 to 200 / **45** / 1%/step]
002	Low Spd:BW	*ENG	
003	Low Spd:Non-Image	*ENG	

2411	**[ITB Col:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) along with the Operation Line Speed.		
001	Std Spd:FC	*ENG	[10 to 200 / **81** / 1%/step]
003	Std Spd:Non-Image	*ENG	

2412	**[ITB Col:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) along with the Operation Line Speed.		
001	Mid Spd:FC	*ENG	[10 to 200 / **50** / 1%/step]
003	Mid Spd:Non-Image	*ENG	

2413	**[ITB Col:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) along with the Operation Line Speed.		
001	Mid-Low Spd:FC	*ENG	[10 to 200 / **10** / 1%/step]
003	Mid-Low Spd:Non-Image	*ENG	

2414	**[ITB Col:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) along with the Operation Line Speed.		
001	Low Spd:FC	*ENG	[10 to 200 / **45** / 1%/step]
003	Low Spd:Non-Image	*ENG	

2421	**[ITB K:Env Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K according to Environment Division.		
001	LLL:BW:Side1	*ENG	[10 to 200 / **105** / 1%/step]

002	LLL:BW:Side2	*ENG	
003	LLL:FC:Side1	*ENG	
004	LLL:FC:Side2	*ENG	
005	LLL:Non-Image	*ENG	
011	LL:BW:Side1	*ENG	
012	LL:BW:Side2	*ENG	
013	LL:FC:Side1	*ENG	[10 to 200 / **102** / 1%/step]
014	LL:FC:Side2	*ENG	
015	LL:Non-Image	*ENG	
021	ML:BW:Side1	*ENG	
022	ML:BW:Side2	*ENG	
023	ML:FC:Side1	*ENG	[10 to 200 / **100** / 1%/step]
024	ML:FC:Side2	*ENG	
025	ML:Non-Image	*ENG	
031	MM:BW:Side1	*ENG	
032	MM:BW:Side2	*ENG	
033	MM:FC:Side1	*ENG	[10 to 200 / **100** / 1%/step]
034	MM:FC:Side2	*ENG	
035	MM:Non-Image	*ENG	
041	MH:BW:Side1	*ENG	
042	MH:BW:Side2	*ENG	
043	MH:FC:Side1	*ENG	[10 to 200 / **100** / 1%/step]
044	MH:FC:Side2	*ENG	
045	MH:Non-Image	*ENG	
051	HH:BW:Side1	*ENG	[10 to 200 / **100** / 1%/step]
052	HH:BW:Side2	*ENG	

053	HH:FC:Side1	*ENG	
054	HH:FC:Side2	*ENG	
055	HH:Non-Image	*ENG	

2422	**[ITB Col:Env Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) according to Environment Division.		
001	LLL:FC:Side1	*ENG	[10 to 200 / **130** / 1%/step]
002	LLL:FC:Side2	*ENG	
003	LLL:Non-Image	*ENG	
011	LL:FC:Side1	*ENG	[10 to 200 / **120** / 1%/step]
012	LL:FC:Side2	*ENG	
013	LL:Non-Image	*ENG	
021	ML:FC:Side1	*ENG	[10 to 200 / **110** / 1%/step]
022	ML:FC:Side2	*ENG	
023	ML:Non-Image	*ENG	
031	MM:FC:Side1	*ENG	[10 to 200 / **100** / 1%/step]
032	MM:FC:Side2	*ENG	
033	MM:Non-Image	*ENG	
041	MH:FC:Side1	*ENG	[10 to 200 / **103** / 1%/step]
042	MH:FC:Side2	*ENG	
043	MH:Non-Image	*ENG	
051	HH:FC:Side1	*ENG	[10 to 200 / **103** / 1%/step]
052	HH:FC:Side2	*ENG	
053	HH:Non-Image	*ENG	

2431	**[ITB K:R Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K according to R Division for ITB Roller.		
001	R-2	*ENG	[50 to 250 / **170** / 1%/step]
002	R-1	*ENG	[50 to 250 / **152** / 1%/step]
003	R0	*ENG	[50 to 250 / **136** / 1%/step]
004	R+1	*ENG	[50 to 250 / **124** / 1%/step]
005	R+2	*ENG	[50 to 250 / **116** / 1%/step]
006	R+3	*ENG	[50 to 250 / **106** / 1%/step]

2432	**[ITB Col:R Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Col(YMC) according to R Division for ITB Roller.		
001	R-2	*ENG	[50 to 250 / **170** / 1%/step]
002	R-1	*ENG	[50 to 250 / **152** / 1%/step]
003	R0	*ENG	[50 to 250 / **136** / 1%/step]
004	R+1	*ENG	[50 to 250 / **124** / 1%/step]
005	R+2	*ENG	[50 to 250 / **116** / 1%/step]
006	R+3	*ENG	[50 to 250 / **106** / 1%/step]

2441	**[ITB K:Age Coeff]**		
	Sets Correction Coefficient for correcting ITB Current K by environment according to Age Division for Developer.		
001	Age Division1:LLL	*ENG	[10 to 200 / **100** / 1%/step]
002	Age Division2:LLL	*ENG	
003	Age Division3:LLL	*ENG	
011	Age Division1:LL	*ENG	[10 to 200 / **100** / 1%/step]

012	Age Division2:LL	*ENG	[10 to 200 / **100** / 1%/step]
013	Age Division3:LL	*ENG	[10 to 200 / **97** / 1%/step]
021	Age Division1:ML	*ENG	[10 to 200 / **100** / 1%/step]
022	Age Division2:ML	*ENG	[10 to 200 / **97** / 1%/step]
023	Age Division3:ML	*ENG	[10 to 200 / **94** / 1%/step]
031	Age Division1:MM	*ENG	[10 to 200 / **100** / 1%/step]
032	Age Division2:MM	*ENG	[10 to 200 / **97** / 1%/step]
033	Age Division3:MM	*ENG	[10 to 200 / **94** / 1%/step]
041	Age Division1:MH	*ENG	[10 to 200 / **97** / 1%/step]
042	Age Division2:MH	*ENG	[10 to 200 / **94** / 1%/step]
043	Age Division3:MH	*ENG	[10 to 200 / **90** / 1%/step]
051	Age Division1:HH	*ENG	[10 to 200 / **96** / 1%/step]
052	Age Division2:HH	*ENG	[10 to 200 / **92** / 1%/step]
053	Age Division3:HH	*ENG	[10 to 200 / **87** / 1%/step]

2442	**[ITB C:Age Coeff]**		
	Sets Correction Coefficient for correcting ITB Current C by environment according to Age Division for Developer.		
001	Age Division1:LLL	*ENG	[10 to 200 / **100** / 1%/step]
002	Age Division2:LLL	*ENG	
003	Age Division3:LLL	*ENG	
011	Age Division1:LL	*ENG	[10 to 200 / **100** / 1%/step]
012	Age Division2:LL	*ENG	
013	Age Division3:LL	*ENG	
021	Age Division1:ML	*ENG	[10 to 200 / **100** / 1%/step]
022	Age Division2:ML	*ENG	

023	Age Division3:ML	*ENG	
031	Age Division1:MM	*ENG	[10 to 200 / **100** / 1%/step]
032	Age Division2:MM	*ENG	
033	Age Division3:MM	*ENG	
041	Age Division1:MH	*ENG	[10 to 200 / **100** / 1%/step]
042	Age Division2:MH	*ENG	
043	Age Division3:MH	*ENG	
051	Age Division1:HH	*ENG	[10 to 200 / **100** / 1%/step]
052	Age Division2:HH	*ENG	
053	Age Division3:HH	*ENG	

2443	**[ITB M:Age Coeff]**		
	Sets Correction Coefficient for correcting ITB Current M by environment according to Age Division for Developer.		
001	Age Division1:LLL	*ENG	[10 to 200 / **100** / 1%/step]
002	Age Division2:LLL	*ENG	
003	Age Division3:LLL	*ENG	
011	Age Division1:LL	*ENG	[10 to 200 / **100** / 1%/step]
012	Age Division2:LL	*ENG	
013	Age Division3:LL	*ENG	
021	Age Division1:ML	*ENG	[10 to 200 / **100** / 1%/step]
022	Age Division2:ML	*ENG	
023	Age Division3:ML	*ENG	
031	Age Division1:MM	*ENG	[10 to 200 / **100** / 1%/step]
032	Age Division2:MM	*ENG	
033	Age Division3:MM	*ENG	

041	Age Division1:MH	*ENG	[10 to 200 / **100** / 1%/step]
042	Age Division2:MH	*ENG	
043	Age Division3:MH	*ENG	
051	Age Division1:HH	*ENG	[10 to 200 / **100** / 1%/step]
052	Age Division2:HH	*ENG	
053	Age Division3:HH	*ENG	

2444	**[ITB Y:Age Coeff]**		
	Sets Correction Coefficient for correcting ITB Current Y by environment according to Age Division for Developer.		
001	Age Division1:LLL	*ENG	[10 to 200 / **100** / 1%/step]
002	Age Division2:LLL	*ENG	
003	Age Division3:LLL	*ENG	
011	Age Division1:LL	*ENG	[10 to 200 / **100** / 1%/step]
012	Age Division2:LL	*ENG	
013	Age Division3:LL	*ENG	
021	Age Division1:ML	*ENG	[10 to 200 / **100** / 1%/step]
022	Age Division2:ML	*ENG	
023	Age Division3:ML	*ENG	
031	Age Division1:MM	*ENG	[10 to 200 / **100** / 1%/step]
032	Age Division2:MM	*ENG	
033	Age Division3:MM	*ENG	
041	Age Division1:MH	*ENG	[10 to 200 / **100** / 1%/step]
042	Age Division2:MH	*ENG	
043	Age Division3:MH	*ENG	
051	Age Division1:HH	*ENG	[10 to 200 / **100** / 1%/step]

052	Age Division2:HH	*ENG	
053	Age Division3:HH	*ENG	

2451	**[ITB K:Standard]**		
001	FC	*ENG	[0 to 70 / **31** / 1uA/step]
	Sets ITB Current Standard Value K for FC Mode.		
002	BW	*ENG	[0 to 70 / **31** / 1uA/step]
	Sets ITB Current Standard Value K for BW Mode.		
003	Non-Image	*ENG	[0 to 70 / **5** / 1uA/step]
	Sets ITB Current Standard Value K for creating Non-Image.		
004	Refresh	*ENG	[0 to 70 / **12** / 1uA/step]
	Sets ITB Current Standard Value K for executing Paper Interval Toner Refresh.		

2461	**[ITB C:Standard]**		
001	FC	*ENG	[0 to 70 / **25** / 1uA/step]
	Sets ITB Current Standard Value C for FC Mode.		
003	Non-Image	*ENG	[0 to 70 / **5** / 1uA/step]
	Sets ITB Current Standard Value C for creating Non-Image.		
004	Refresh	*ENG	[0 to 70 / **12** / 1uA/step]
	Sets ITB Current Standard Value C for executing Paper Interval Toner Refresh.		

2471	**[ITB M:Standard]**		
001	FC	*ENG	[0 to 70 / **25** / 1uA/step]
	Sets ITB Current Standard Value M for FC Mode.		
003	Non-Image	*ENG	[0 to 70 / **5** / 1uA/step]
	Sets ITB Current Standard Value M for creating Non-Image.		

004	Refresh	*ENG	[0 to 70 / **12** / 1uA/step]
	Sets ITB Current Standard Value M for executing Paper Interval Toner Refresh.		

2481	**[ITB Y:Standard]**		
001	FC	*ENG	[0 to 70 / **25** / 1uA/step]
	Sets ITB Current Standard Value Y for FC Mode.		
003	Non-Image	*ENG	[0 to 70 / **5** / 1uA/step]
	Sets ITB Current Standard Value Y for creating Non-Image.		
004	Refresh	*ENG	[0 to 70 / **12** / 1uA/step]
	Sets ITB Current Standard Value Y for executing Paper Interval Toner Refresh.		

2500	**[Sep Corr:ON/OFF]**		
001	All Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for all the correction types for Separation Output. (AC/DC Common Setting) Cleared by turning off the power and returns to the default settings.		
002	Eng Spd Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Line Speed Correction for Separation Output. (AC/DC Common Setting) Cleared by turning off the power and returns to the default settings.		
003	Env Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Line Speed Correction for Separation Output. (AC/DC Common Setting) Cleared by turning off the power and returns to the default settings.		

004	LEdge Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Image Leading Edge for Separation Output. (AC/DC Common Setting) Cleared by turning off the power and returns to the default settings.		
005	TEdge Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Image Trailing Edge for Separation Output. (AC/DC Common Setting) Cleared by turning off the power and returns to the default settings.		

2501	**[SepDC:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting Separation DC Output along with the Operation Line Speed.		
001	Standard Speed	ENG	[10 to 200 / **100** / 1%/step]
002	Middle Speed	ENG	[10 to 200 / **100** / 1%/step]
003	Middle-Low Speed	ENG	[10 to 200 / **10** / 1%/step]
004	Low Speed	ENG	[10 to 200 / **100** / 1%/step]

2502	**[SepAC:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting Separation AC Output along with the Operation Line Speed.		
001	Standard Speed	ENG	[10 to 200 / **100** / 1%/step]
002	Middle Speed	ENG	[10 to 200 / **100** / 1%/step]
003	Middle-Low Speed	ENG	[10 to 200 / **10** / 1%/step]
004	Low Speed	ENG	[10 to 200 / **100** / 1%/step]

2511	**[SepDC:Env Coeff]**		
	Sets Correction Coefficient for correcting Separation DC Output according to Environment Division.		
001	LLL:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
002	LLL:BW:Side2	ENG	
003	LLL:FC:Side1	ENG	
004	LLL:FC:Side2	ENG	
011	LL:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
012	LL:BW:Side2	ENG	
013	LL:FC:Side1	ENG	
014	LL:FC:Side2	ENG	
021	ML:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
022	ML:BW:Side2	ENG	
023	ML:FC:Side1	ENG	
024	ML:FC:Side2	ENG	
031	MM:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
032	MM:BW:Side2	ENG	
033	MM:FC:Side1	ENG	
034	MM:FC:Side2	ENG	
041	MH:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
042	MH:BW:Side2	ENG	
043	MH:FC:Side1	ENG	
044	MH:FC:Side2	ENG	
051	HH:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
052	HH:BW:Side2	ENG	

053	HH:FC:Side1	ENG	
054	HH:FC:Side2	ENG	

2512	**[SepAC:Env Coeff]**		
	Sets Correction Coefficient for correcting Separation AC Output according to Environment Division.		
001	LLL:BW:Side1	ENG	[10 to 200 / **86** / 1%/step]
002	LLL:BW:Side2	ENG	[10 to 200 / **86** / 1%/step]
003	LLL:FC:Side1	ENG	[10 to 200 / **82** / 1%/step]
004	LLL:FC:Side2	ENG	[10 to 200 / **82** / 1%/step]
011	LL:BW:Side1	ENG	[10 to 200 / **90** / 1%/step]
012	LL:BW:Side2	ENG	[10 to 200 / **90** / 1%/step]
013	LL:FC:Side1	ENG	[10 to 200 / **87** / 1%/step]
014	LL:FC:Side2	ENG	[10 to 200 / **87** / 1%/step]
021	ML:BW:Side1	ENG	[10 to 200 / **94** / 1%/step]
022	ML:BW:Side2	ENG	[10 to 200 / **94** / 1%/step]
023	ML:FC:Side1	ENG	[10 to 200 / **92** / 1%/step]
024	ML:FC:Side2	ENG	[10 to 200 / **92** / 1%/step]
031	MM:BW:Side1	ENG	[10 to 200 / **97** / 1%/step]
032	MM:BW:Side2	ENG	[10 to 200 / **97** / 1%/step]
033	MM:FC:Side1	ENG	[10 to 200 / **96** / 1%/step]
034	MM:FC:Side2	ENG	[10 to 200 / **96** / 1%/step]
041	MH:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
042	MH:BW:Side2	ENG	
043	MH:FC:Side1	ENG	
044	MH:FC:Side2	ENG	

051	HH:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
052	HH:BW:Side2	ENG	
053	HH:FC:Side1	ENG	
054	HH:FC:Side2	ENG	

2521	**[Sep:L Edge Length]**		
	Sets the length for correcting Image Leading Edge for Separation Output. (AC/DC Common Setting)		
001	Side1	ENG	[-10 to 30 / **5** / 1mm/step]
002	Side2	ENG	

2522	**[Sep:T Edge Length]**		
	Sets the length for correcting Image Trailing Edge for Separation Output. (AC/DC Common Setting)		
001	Side1	ENG	[-10 to 30 / **0** / 1mm/step]
002	Side2	ENG	

2531	**[SepDC:Side1]**		
	Sets Standard Value for Separation DC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	

012	Glossy:Plain1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
013	Glossy:Plain2	ENG	
014	Glossy:Mid-Thick	ENG	
015	Glossy:Thick1	ENG	
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
023	Matte:Plain2	ENG	
024	Matte:Mid-Thick	ENG	
025	Matte:Thick1	ENG	
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
056	OHP:Thick1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
061	TracingPaper:Thin	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
076	Envelope:Thick2	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

2532	**[SepDC:Side2]**		
	Sets Standard Value for Separation DC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	

005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
012	Glossy:Plain1	ENG	
013	Glossy:Plain2	ENG	
014	Glossy:Mid-Thick	ENG	
015	Glossy:Thick1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	
023	Matte:Plain2	ENG	
024	Matte:Mid-Thick	ENG	
025	Matte:Thick1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
056	OHP:Thick1	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
061	TracingPaper:Thin	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
076	Envelope:Thick2	ENG	
077	Envelope:Thick3	ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]
078	Envelope:Thick4	ENG	

2533	**[SepDC:Non-Image]**		
	Sets Standard Value for Separation DC Output when creating Non-Image.		
001	Non-Image	*ENG	[0.0 to 10.0 / **1.0** / 0.1uA/step]

2541	**[SepAC:Side1]**		
	Sets Standard Value for Separation AC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
002	Plain:Plain1	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
003	Plain:Plain2	ENG	[0.0 to 12.0 / **10.5** / 0.1kV/step]
004	Plain:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
005	Plain:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
006	Plain:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
007	Plain:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
008	Plain:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
012	Glossy:Plain1	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
013	Glossy:Plain2	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
014	Glossy:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
015	Glossy:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
016	Glossy:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
017	Glossy:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
018	Glossy:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
022	Matte:Plain1	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
023	Matte:Plain2	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
024	Matte:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
025	Matte:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]

026	Matte:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
027	Matte:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
028	Matte:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
056	OHP:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
061	TracingPaper:Thin	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
076	Envelope:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
077	Envelope:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
078	Envelope:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]

2542	**[SepAC:Side2]**		
	Sets Standard Value for Separation AC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
002	Plain:Plain1	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
003	Plain:Plain2	ENG	[0.0 to 12.0 / **10.5** / 0.1kV/step]
004	Plain:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
005	Plain:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
006	Plain:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
007	Plain:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
008	Plain:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
012	Glossy:Plain1	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
013	Glossy:Plain2	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
014	Glossy:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
015	Glossy:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
016	Glossy:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
017	Glossy:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
018	Glossy:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]

022	Matte:Plain1	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
023	Matte:Plain2	ENG	[0.0 to 12.0 / **11.0** / 0.1kV/step]
024	Matte:Mid-Thick	ENG	[0.0 to 12.0 / **10.0** / 0.1kV/step]
025	Matte:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
026	Matte:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
027	Matte:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
028	Matte:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
056	OHP:Thick1	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
061	TracingPaper:Thin	ENG	[0.0 to 12.0 / **12.0** / 0.1kV/step]
076	Envelope:Thick2	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
077	Envelope:Thick3	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]
078	Envelope:Thick4	ENG	[0.0 to 12.0 / **9.5** / 0.1kV/step]

2543	**[SepAC:Non-Image]**		
	Sets Standard Value for Separation AC Output when creating Non-Image.		
001	Non-Image	*ENG	[0.0 to 12.0 / **9.0** / 0.1kV/step]

2551	**[SepDC:LEdge:Coeff]**		
	Sets Correction Coefficient for Image Leading Edge for Separation DC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[50 to 200 / **105** / 1%/step]
002	Plain:Plain1	ENG	[50 to 200 / **100** / 1%/step]
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	

007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
012	Glossy:Plain1	ENG	[50 to 200 / **105** / 1%/step]
013	Glossy:Plain2	ENG	[50 to 200 / **105** / 1%/step]
014	Glossy:Mid-Thick	ENG	[50 to 200 / **100** / 1%/step]
015	Glossy:Thick1	ENG	
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	[50 to 200 / **105** / 1%/step]
023	Matte:Plain2	ENG	[50 to 200 / **105** / 1%/step]
024	Matte:Mid-Thick	ENG	[50 to 200 / **100** / 1%/step]
025	Matte:Thick1	ENG	
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
055	OHP:Thick1	ENG	[50 to 200 / **100** / 1%/step]
061	TracingPaper:Thin	ENG	[50 to 200 / **105** / 1%/step]
076	Envelope:Thick2	ENG	[50 to 200 / **100** / 1%/step]
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

2552	**[SepDC:TEdge:Coeff]**		
	Sets Correction Coefficient for Image Trailing Edge for Separation DC Output. (Paper type/Paper thickness Common Setting)		
001	Common	*ENG	[50 to 200 / **100** / 1%/step]

2561	**[SepAC:LEdge:Coeff]**		
	Sets Correction Coefficient for Image Leading Edge for Separation AC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[50 to 200 / **100** / 1%/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
012	Glossy:Plain1	ENG	[50 to 200 / **100** / 1%/step]
013	Glossy:Plain2	ENG	
014	Glossy:Mid-Thick	ENG	
015	Glossy:Thick1	ENG	
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	[50 to 200 / **100** / 1%/step]
023	Matte:Plain2	ENG	
024	Matte:Mid-Thick	ENG	
025	Matte:Thick1	ENG	
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
056	OHP:Thick1	ENG	[50 to 200 / **100** / 1%/step]

061	TracingPaper:Thin	ENG	[50 to 200 / **100** / 1%/step]
076	Envelope:Thick2	ENG	[50 to 200 / **100** / 1%/step]
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

2562	**[SepAC:TEdge:Coeff]**		
	Sets Correction Coefficient for Image Trailing Edge for Separation AC Output by paper type/paper thickness.		
001	Plain:Thin	ENG	[50 to 200 / **100** / 1%/step]
002	Plain:Plain1	ENG	
003	Plain:Plain2	ENG	
004	Plain:Mid-Thick	ENG	
005	Plain:Thick1	ENG	
006	Plain:Thick2	ENG	
007	Plain:Thick3	ENG	
008	Plain:Thick4	ENG	
012	Glossy:Plain1	ENG	[50 to 200 / **100** / 1%/step]
013	Glossy:Plain2	ENG	
014	Glossy:Mid-Thick	ENG	
015	Glossy:Thick1	ENG	
016	Glossy:Thick2	ENG	
017	Glossy:Thick3	ENG	
018	Glossy:Thick4	ENG	
022	Matte:Plain1	ENG	[50 to 200 / **100** / 1%/step]
023	Matte:Plain2	ENG	
024	Matte:Mid-Thick	ENG	

025	Matte:Thick1	ENG	
026	Matte:Thick2	ENG	
027	Matte:Thick3	ENG	
028	Matte:Thick4	ENG	
056	OHP:Thick1	ENG	[50 to 200 / **100** / 1%/step]
061	TracingPaper:Thin	ENG	[50 to 200 / **100** / 1%/step]
076	Envelope:Thick2	ENG	[50 to 200 / **100** / 1%/step]
077	Envelope:Thick3	ENG	
078	Envelope:Thick4	ENG	

2600	**[PTR Corr:ON/OFF]**		
001	All Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for all the correction types for PTR Current. Cleared by turning off the power and returns to the default settings.		
002	Eng Spd Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Line Speed Correction for PTR Current. Cleared by turning off the power and returns to the default settings.		
003	Env Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default), 1: Correction OFF
	ON/OFF switch for Environment Correction for PTR Current. Cleared by turning off the power and returns to the default settings.		
004	Pape Size Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF

	ON/OFF switch for Paper Size Correction for PTR Current. Cleared by turning off the power and returns to the default settings.		
005	LEdge Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Image Leading Edge Correction for PTR Current. Cleared by turning off the power and returns to the default settings.		
006	TEdge Corr	ENG	[0 or 1 / **0** / 1/step] 0: Correction ON (Default) 1: Correction OFF
	ON/OFF switch for Image Trailing Edge Correction for PTR Current. Cleared by turning off the power and returns to the default settings.		

2601	**[RTR:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting PTR Current along with the Operation Line Speed.		
001	Standard Speed	ENG	[10 to 200 / **81** / 1%/step]
002	Middle Speed	ENG	[10 to 200 / **50** / 1%/step]
003	Middle-Low Speed	ENG	[10 to 200 / **10** / 1%/step]
004	Low Speed	ENG	[10 to 200 / **45** / 1%/step]

2611	**[PTR:Env Coeff]**		
	Sets Correction Coefficient for correcting PTR Current according to Environment Division.		
001	LLL:BW:Side1	ENG	[10 to 200 / **112** / 1%/step]
002	LLL:BW:Side2	ENG	[10 to 200 / **112** / 1%/step]
003	LLL:FC:Side1	ENG	[10 to 200 / **112** / 1%/step]
004	LLL:FC:Side2	ENG	[10 to 200 / **110** / 1%/step]
005	LLL:Non-Image	ENG	[10 to 200 / **112** / 1%/step]

011	LL:BW:Side1	ENG	[10 to 200 / **108** / 1%/step]
012	LL:BW:Side2	ENG	[10 to 200 / **110** / 1%/step]
013	LL:FC:Side1	ENG	[10 to 200 / **108** / 1%/step]
014	LL:FC:Side2	ENG	[10 to 200 / **108** / 1%/step]
015	LL:Non-Image	ENG	[10 to 200 / **108** / 1%/step]
021	ML:BW:Side1	ENG	[10 to 200 / **104** / 1%/step]
022	ML:BW:Side2	ENG	[10 to 200 / **108** / 1%/step]
023	ML:FC:Side1	ENG	[10 to 200 / **104** / 1%/step]
024	ML:FC:Side2	ENG	[10 to 200 / **106** / 1%/step]
025	ML:Non-Image	ENG	[10 to 200 / **104** / 1%/step]
031	MM:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
032	MM:BW:Side2	ENG	[10 to 200 / **104** / 1%/step]
033	MM:FC:Side1	ENG	[10 to 200 / **100** / 1%/step]
034	MM:FC:Side2	ENG	[10 to 200 / **104** / 1%/step]
035	MM:Non-Image	ENG	[10 to 200 / **100** / 1%/step]
041	MH:BW:Side1	ENG	[10 to 200 / **90** / 1%/step]
042	MH:BW:Side2	ENG	[10 to 200 / **95** / 1%/step]
043	MH:FC:Side1	ENG	[10 to 200 / **90** / 1%/step]
044	MH:FC:Side2	ENG	[10 to 200 / **95** / 1%/step]
045	MH:Non-Image	ENG	[10 to 200 / **90** / 1%/step]
051	HH:BW:Side1	ENG	[10 to 200 / **85** / 1%/step]
052	HH:BW:Side2	ENG	[10 to 200 / **90** / 1%/step]
053	HH:FC:Side1	ENG	[10 to 200 / **85** / 1%/step]
054	HH:FC:Side2	ENG	[10 to 200 / **90** / 1%/step]
055	HH:Non-Image	ENG	[10 to 200 / **85** / 1%/step]

2612	**[PTR:LEdge Env Coeff]**		
	Sets Correction Coefficient for correcting PTR Current Image Leading Edge Output according to Environment Division.		
001	LLL	ENG	[10 to 500 / **100** / 1%/step]
011	LL	ENG	
021	ML	ENG	
031	MM	ENG	
041	MH	ENG	
051	HH	ENG	

2621	**[PTR:R Coeff]**		
	Sets Correction Coefficient for correcting PTR Current according to R Division for PTR Roller.		
001	R-2	ENG	[10 to 300 / **225** / 1%/step]
002	R-1	ENG	[10 to 300 / **185** / 1%/step]
003	R0	ENG	[10 to 300 / **160** / 1%/step]
004	R+1	ENG	[10 to 300 / **140** / 1%/step]
005	R+2	ENG	[10 to 300 / **125** / 1%/step]
006	R+3	ENG	[10 to 300 / **115** / 1%/step]

2631	**[Paper Size:Thick Coeff]**		
	Sets Correction Coefficient for correcting PTR Current by paper type/paper thickness according to paper thickness.		
001	Thin:Side1	ENG	[50 to 600 / **105** / 1%/step]
002	Plain1:Side1	ENG	[50 to 600 / **110** / 1%/step]
003	Plain2:Side1	ENG	[50 to 600 / **120** / 1%/step]
004	Mid-Thick:Side1	ENG	[50 to 600 / **130** / 1%/step]

005	Thick1:Side1	ENG	[50 to 600 / **145** / 1%/step]
006	Thick2:Side1	ENG	[50 to 600 / **160** / 1%/step]
007	Thick3:Side1	ENG	[50 to 600 / **190** / 1%/step]
008	Thick4:Side1	ENG	[50 to 600 / **240** / 1%/step]
011	Thin:Side2	ENG	[50 to 600 / **110** / 1%/step]
012	Plain1:Side2	ENG	[50 to 600 / **120** / 1%/step]
013	Plain2:Side2	ENG	[50 to 600 / **135** / 1%/step]
014	Mid-Thick:Side2	ENG	[50 to 600 / **150** / 1%/step]
015	Thick1:Side2	ENG	[50 to 600 / **170** / 1%/step]
016	Thick2:Side2	ENG	[50 to 600 / **190** / 1%/step]
017	Thick3:Side2	ENG	[50 to 600 / **240** / 1%/step]
018	Thick4:Side2	ENG	[50 to 600 / **290** / 1%/step]

2640	**[PTR Bias:Non-Image]**		
	Sets PTR Current for creating Non-Image.		
001	Non-Image	*ENG	[0.0 to 1.0 / **0.5** / 0.1kV/step]

2641	**[PTR Bias:BW]**		
	Sets PTR Current Standard Value for BW Mode by paper type/paper thickness.		
001	Plain:Thin:Side1	ENG	[-300 to 0 / **-50** / 1uA/step]
002	Plain:Plain1:Side1	ENG	
003	Plain:Plain2:Side1	ENG	
004	Plain:Mid-Thick:Side1	ENG	
005	Plain:Thick1:Side1	ENG	
006	Plain:Thick2:Side1	ENG	
007	Plain:Thick3:Side1	ENG	

008	Plain:Thick4:Side1	ENG	
012	Glossy:Plain1:Side1	ENG	[-300 to 0 / **-48** / 1uA/step]
013	Glossy:Plain2:Side1	ENG	
014	Glossy:Mid-Thick:Side1	ENG	
015	Glossy:Thick1:Side1	ENG	
016	Glossy:Thick2:Side1	ENG	
017	Glossy:Thick3:Side1	ENG	
018	Glossy:Thick4:Side1	ENG	
022	Matte:Plain1:Side1	ENG	[-300 to 0 / **-48** / 1uA/step]
023	Matte:Plain2:Side1	ENG	
024	Matte:Mid-Thick:Side1	ENG	
025	Matte:Thick1:Side1	ENG	
026	Matte:Thick2:Side1	ENG	
027	Matte:Thick3:Side1	ENG	
028	Matte:Thick4:Side1	ENG	
056	OHP:Thick1:Side1	ENG	[-300 to 0 / **-50** / 1uA/step]
061	TracingPaper:Thin:Side1	ENG	[-300 to 0 / **-50** / 1uA/step]
076	Envelope:Thick2:Side1	ENG	[-300 to 0 / **-50** / 1uA/step]
077	Envelope:Thick3:Side1	ENG	
078	Envelope:Thick4:Side1	ENG	

2642	**[PTR Bias:BW]**		
	Sets PTR Current Standard Value for BW Mode by paper type/paper thickness.		
001	Plain:Thin:Side2	ENG	[-300 to 0 / **-50** / 1uA/step]
002	Plain:Plain1:Side2	ENG	
003	Plain:Plain2:Side2	ENG	

004	Plain:Mid-Thick:Side2	ENG	
005	Plain:Thick1:Side2	ENG	
006	Plain:Thick2:Side2	ENG	
007	Plain:Thick3:Side2	ENG	
008	Plain:Thick4:Side2	ENG	
012	Glossy:Plain1:Side2	ENG	
013	Glossy:Plain2:Side2	ENG	
014	Glossy:Mid-Thick:Side2	ENG	
015	Glossy:Thick1:Side2	ENG	[-300 to 0 / **-48** / 1uA/step]
016	Glossy:Thick2:Side2	ENG	
017	Glossy:Thick3:Side2	ENG	
018	Glossy:Thick4:Side2	ENG	
022	Matte:Plain1:Side2	ENG	
023	Matte:Plain2:Side2	ENG	
024	Matte:Mid-Thick:Side2	ENG	
025	Matte:Thick1:Side2	ENG	[-300 to 0 / **-48** / 1uA/step]
026	Matte:Thick2:Side2	ENG	
027	Matte:Thick3:Side2	ENG	
028	Matte:Thick4:Side2	ENG	
056	OHP:Thick1:Side2	ENG	[-300 to 0 / **-50** / 1uA/step]
061	TracingPaper:Thin:Side2	ENG	[-300 to 0 / **-50** / 1uA/step]
076	Envelope:Thick2:Side2	ENG	
077	Envelope:Thick3:Side2	ENG	[-300 to 0 / **-50** / 1uA/step]
078	Envelope:Thick4:Side2	ENG	

2643	**[Ledge Coeff:BW]**

	Sets PTR Current Correction Coefficient for Image Leading Edge for BW Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[5 to 300 / **120** / 1%/step]
002	Plain:Plain1	ENG	[5 to 300 / **140** / 1%/step]
003	Plain:Plain2	ENG	[5 to 300 / **160** / 1%/step]
004	Plain:Mid-Thick	ENG	[5 to 300 / **180** / 1%/step]
005	Plain:Thick1	ENG	[5 to 300 / **180** / 1%/step]
006	Plain:Thick2	ENG	[5 to 300 / **180** / 1%/step]
007	Plain:Thick3	ENG	[5 to 300 / **180** / 1%/step]
008	Plain:Thick4	ENG	[5 to 300 / **180** / 1%/step]
012	Glossy:Plain1	ENG	[5 to 300 / **120** / 1%/step]
013	Glossy:Plain2	ENG	[5 to 300 / **140** / 1%/step]
014	Glossy:Mid-Thick	ENG	[5 to 300 / **150** / 1%/step]
015	Glossy:Thick1	ENG	[5 to 300 / **150** / 1%/step]
016	Glossy:Thick2	ENG	[5 to 300 / **150** / 1%/step]
017	Glossy:Thick3	ENG	[5 to 300 / **150** / 1%/step]
018	Glossy:Thick4	ENG	[5 to 300 / **150** / 1%/step]
022	Matte:Plain1	ENG	[5 to 300 / **120** / 1%/step]
023	Matte:Plain2	ENG	[5 to 300 / **140** / 1%/step]
024	Matte:Mid-Thick	ENG	[5 to 300 / **150** / 1%/step]
025	Matte:Thick1	ENG	[5 to 300 / **150** / 1%/step]
026	Matte:Thick2	ENG	[5 to 300 / **150** / 1%/step]
027	Matte:Thick3	ENG	[5 to 300 / **150** / 1%/step]
028	Matte:Thick4	ENG	[5 to 300 / **150** / 1%/step]
056	OHP:Thick1	ENG	[5 to 300 / **180** / 1%/step]
061	TracingPaper:Thin	ENG	[5 to 300 / **120** / 1%/step]

076	Envelope:Thick2	ENG	[5 to 300 / **180** / 1%/step]
077	Envelope:Thick3	ENG	[5 to 300 / **180** / 1%/step]
078	Envelope:Thick4	ENG	[5 to 300 / **180** / 1%/step]

2644	**[Ledge Length:BW]**		
	Sets the length for executing PTR Current Correction for Image Leading Edge for BW Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[0 to 30 / **15** / 1mm/step]
002	Plain:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
003	Plain:Plain2	ENG	[0 to 30 / **15** / 1mm/step]
004	Plain:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
005	Plain:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
006	Plain:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
007	Plain:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
008	Plain:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
012	Glossy:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
013	Glossy:Plain2	ENG	[0 to 30 / **15** / 1mm/step]
014	Glossy:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
015	Glossy:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
016	Glossy:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
017	Glossy:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
018	Glossy:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
022	Matte:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
023	Matte:Plain2	ENG	[0 to 30 / **15** / 1mm/step]
024	Matte:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
025	Matte:Thick1	ENG	[0 to 30 / **5** / 1mm/step]

026	Matte:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
027	Matte:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
028	Matte:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
056	OHP:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
061	TracingPaper:Thin	ENG	[0 to 30 / **15** / 1mm/step]
076	Envelope:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
077	Envelope:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
078	Envelope:Thick4	ENG	[0 to 30 / **5** / 1mm/step]

2645	**[TEdge Coeff:BW]**		
	Sets PTR Current Correction Coefficient for Image Trailing Edge for BW Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[5 to 300 / **100** / 1%/step]
002	Plain:Plain1	ENG	[5 to 300 / **100** / 1%/step]
003	Plain:Plain2	ENG	[5 to 300 / **100** / 1%/step]
004	Plain:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
005	Plain:Thick1	ENG	[5 to 300 / **100** / 1%/step]
006	Plain:Thick2	ENG	[5 to 300 / **100** / 1%/step]
007	Plain:Thick3	ENG	[5 to 300 / **100** / 1%/step]
008	Plain:Thick4	ENG	[5 to 300 / **100** / 1%/step]
012	Glossy:Plain1	ENG	[5 to 300 / **100** / 1%/step]
013	Glossy:Plain2	ENG	[5 to 300 / **100** / 1%/step]
014	Glossy:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
015	Glossy:Thick1	ENG	[5 to 300 / **100** / 1%/step]
016	Glossy:Thick2	ENG	[5 to 300 / **100** / 1%/step]
017	Glossy:Thick3	ENG	[5 to 300 / **100** / 1%/step]

018	Glossy:Thick4	ENG	[5 to 300 / **100** / 1%/step]
022	Matte:Plain1	ENG	[5 to 300 / **100** / 1%/step]
023	Matte:Plain2	ENG	[5 to 300 / **100** / 1%/step]
024	Matte:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
025	Matte:Thick1	ENG	[5 to 300 / **100** / 1%/step]
026	Matte:Thick2	ENG	[5 to 300 / **100** / 1%/step]
027	Matte:Thick3	ENG	[5 to 300 / **100** / 1%/step]
028	Matte:Thick4	ENG	[5 to 300 / **100** / 1%/step]
056	OHP:Thick1	ENG	[5 to 300 / **100** / 1%/step]
061	TracingPaper:Thin	ENG	[5 to 300 / **100** / 1%/step]
076	Envelope:Thick2	ENG	[5 to 300 / **100** / 1%/step]
077	Envelope:Thick3	ENG	[5 to 300 / **100** / 1%/step]
078	Envelope:Thick4	ENG	[5 to 300 / **100** / 1%/step]

2646	**[TEdge Length:BW]**		
	Sets the length for executing PTR Current Correction for Image Trailing Edge for BW Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[0 to 30 / **8** / 1mm/step]
002	Plain:Plain1	ENG	[0 to 30 / **8** / 1mm/step]
003	Plain:Plain2	ENG	[0 to 30 / **8** / 1mm/step]
004	Plain:Mid-Thick	ENG	[0 to 30 / **8** / 1mm/step]
005	Plain:Thick1	ENG	[0 to 30 / **8** / 1mm/step]
006	Plain:Thick2	ENG	[0 to 30 / **8** / 1mm/step]
007	Plain:Thick3	ENG	[0 to 30 / **8** / 1mm/step]
008	Plain:Thick4	ENG	[0 to 30 / **8** / 1mm/step]
012	Glossy:Plain1	ENG	[0 to 30 / **8** / 1mm/step]

013	Glossy:Plain2	ENG	[0 to 30 / **8** / 1mm/step]
014	Glossy:Mid-Thick	ENG	[0 to 30 / **8** / 1mm/step]
015	Glossy:Thick1	ENG	[0 to 30 / **8** / 1mm/step]
016	Glossy:Thick2	ENG	[0 to 30 / **8** / 1mm/step]
017	Glossy:Thick3	ENG	[0 to 30 / **8** / 1mm/step]
018	Glossy:Thick4	ENG	[0 to 30 / **8** / 1mm/step]
022	Matte:Plain1	ENG	[0 to 30 / **8** / 1mm/step]
023	Matte:Plain2	ENG	[0 to 30 / **8** / 1mm/step]
024	Matte:Mid-Thick	ENG	[0 to 30 / **8** / 1mm/step]
025	Matte:Thick1	ENG	[0 to 30 / **8** / 1mm/step]
026	Matte:Thick2	ENG	[0 to 30 / **8** / 1mm/step]
027	Matte:Thick3	ENG	[0 to 30 / **8** / 1mm/step]
028	Matte:Thick4	ENG	[0 to 30 / **8** / 1mm/step]
056	OHP:Thick1	ENG	[0 to 30 / **8** / 1mm/step]
061	TracingPaper:Thin	ENG	[0 to 30 / **8** / 1mm/step]
076	Envelope:Thick2	ENG	[0 to 30 / **8** / 1mm/step]
077	Envelope:Thick3	ENG	[0 to 30 / **8** / 1mm/step]
078	Envelope:Thick4	ENG	[0 to 30 / **8** / 1mm/step]

2651	**[PTR Bias:FCC]**		
	Sets PTR Current Standard Value for FC Mode by paper type/paper thickness.		
001	Plain:Thin:Side1	ENG	[-300 to 0 / **-75** / 1uA/step]
002	Plain:Plain1:Side1	ENG	[-300 to 0 / **-75** / 1uA/step]
003	Plain:Plain2:Side1	ENG	[-300 to 0 / **-75** / 1uA/step]
004	Plain:Mid-Thick:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
005	Plain:Thick1:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]

006	Plain:Thick2:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
007	Plain:Thick3:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
008	Plain:Thick4:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
012	Glossy:Plain1:Side1	ENG	[-300 to 0 / **-70** / 1uA/step]
013	Glossy:Plain2:Side1	ENG	
014	Glossy:Mid-Thick:Side1	ENG	
015	Glossy:Thick1:Side1	ENG	
016	Glossy:Thick2:Side1	ENG	
017	Glossy:Thick3:Side1	ENG	
018	Glossy:Thick4:Side1	ENG	
022	Matte:Plain1:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
023	Matte:Plain2:Side1	ENG	
024	Matte:Mid-Thick:Side1	ENG	
025	Matte:Thick1:Side1	ENG	
026	Matte:Thick2:Side1	ENG	
027	Matte:Thick3:Side1	ENG	
028	Matte:Thick4:Side1	ENG	
056	OHP:Thick1:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
061	TracingPaper:Thin:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
076	Envelope:Thick2:Side1	ENG	[-300 to 0 / **-73** / 1uA/step]
077	Envelope:Thick3:Side1	ENG	
078	Envelope:Thick4:Side1	ENG	

2652	**[PTR Bias:FC]**		
	Sets PTR Current Standard Value for FC Mode by paper type/paper thickness.		
001	Plain:Thin:Side2	ENG	[-300 to 0 / **-75** / 1uA/step]

002	Plain:Plain1:Side2	ENG	[-300 to 0 / **-75** / 1uA/step]
003	Plain:Plain2:Side2	ENG	[-300 to 0 / **-75** / 1uA/step]
004	Plain:Mid-Thick:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
005	Plain:Thick1:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
006	Plain:Thick2:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
007	Plain:Thick3:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
008	Plain:Thick4:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
012	Glossy:Plain1:Side2	ENG	[-300 to 0 / **-70** / 1uA/step]
013	Glossy:Plain2:Side2	ENG	
014	Glossy:Mid-Thick:Side2	ENG	
015	Glossy:Thick1:Side2	ENG	
016	Glossy:Thick2:Side2	ENG	
017	Glossy:Thick3:Side2	ENG	
018	Glossy:Thick4:Side2	ENG	
022	Matte:Plain1:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
023	Matte:Plain2:Side2	ENG	
024	Matte:Mid-Thick:Side2	ENG	
025	Matte:Thick1:Side2	ENG	
026	Matte:Thick2:Side2	ENG	
027	Matte:Thick3:Side2	ENG	
028	Matte:Thick4:Side2	ENG	
056	OHP:Thick1:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
061	TracingPaper:Thin:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
076	Envelope:Thick2:Side2	ENG	[-300 to 0 / **-73** / 1uA/step]
077	Envelope:Thick3:Side2	ENG	
078	Envelope:Thick4:Side2	ENG	

2653	**[Ledge Coeff:FC]**		
	Sets PTR Current Correction Coefficient for Image Leading Edge for FC Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[5 to 300 / **120** / 1%/step]
002	Plain:Plain1	ENG	[5 to 300 / **140** / 1%/step]
003	Plain:Plain2	ENG	[5 to 300 / **160** / 1%/step]
004	Plain:Mid-Thick	ENG	[5 to 300 / **180** / 1%/step]
005	Plain:Thick1	ENG	[5 to 300 / **180** / 1%/step]
006	Plain:Thick2	ENG	[5 to 300 / **180** / 1%/step]
007	Plain:Thick3	ENG	[5 to 300 / **180** / 1%/step]
008	Plain:Thick4	ENG	[5 to 300 / **180** / 1%/step]
012	Glossy:Plain1	ENG	[5 to 300 / **120** / 1%/step]
013	Glossy:Plain2	ENG	[5 to 300 / **140** / 1%/step]
014	Glossy:Mid-Thick	ENG	[5 to 300 / **150** / 1%/step]
015	Glossy:Thick1	ENG	[5 to 300 / **150** / 1%/step]
016	Glossy:Thick2	ENG	[5 to 300 / **150** / 1%/step]
017	Glossy:Thick3	ENG	[5 to 300 / **150** / 1%/step]
018	Glossy:Thick4	ENG	[5 to 300 / **150** / 1%/step]
022	Matte:Plain1	ENG	[5 to 300 / **120** / 1%/step]
023	Matte:Plain2	ENG	[5 to 300 / **140** / 1%/step]
024	Matte:Mid-Thick	ENG	[5 to 300 / **150** / 1%/step]
025	Matte:Thick1	ENG	[5 to 300 / **150** / 1%/step]
026	Matte:Thick2	ENG	[5 to 300 / **150** / 1%/step]
027	Matte:Thick3	ENG	[5 to 300 / **150** / 1%/step]
028	Matte:Thick4	ENG	[5 to 300 / **150** / 1%/step]

056	OHP:Thick1	ENG	[5 to 300 / **180** / 1%/step]
061	TracingPaper:Thin	ENG	[5 to 300 / **120** / 1%/step]
076	Envelope:Thick2	ENG	[5 to 300 / **180** / 1%/step]
077	Envelope:Thick3	ENG	[5 to 300 / **180** / 1%/step]
078	Envelope:Thick4	ENG	[5 to 300 / **180** / 1%/step]

2654	**[Ledge Length:FC]**		
	Sets the length for executing PTR Current Correction for Image Leading Edge for FC Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[0 to 30 / **15** / 1mm/step]
002	Plain:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
003	Plain:Plain2	ENG	[0 to 30 / **15** / 1mm/step]
004	Plain:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
005	Plain:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
006	Plain:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
007	Plain:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
008	Plain:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
012	Glossy:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
013	Glossy:Plain2	ENG	[0 to 30 / **15** / 1mm/step]
014	Glossy:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
015	Glossy:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
016	Glossy:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
017	Glossy:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
018	Glossy:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
022	Matte:Plain1	ENG	[0 to 30 / **15** / 1mm/step]
023	Matte:Plain2	ENG	[0 to 30 / **15** / 1mm/step]

024	Matte:Mid-Thick	ENG	[0 to 30 / **5** / 1mm/step]
025	Matte:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
026	Matte:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
027	Matte:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
028	Matte:Thick4	ENG	[0 to 30 / **5** / 1mm/step]
056	OHP:Thick1	ENG	[0 to 30 / **5** / 1mm/step]
061	TracingPaper:Thin	ENG	[0 to 30 / **15** / 1mm/step]
076	Envelope:Thick2	ENG	[0 to 30 / **5** / 1mm/step]
077	Envelope:Thick3	ENG	[0 to 30 / **5** / 1mm/step]
078	Envelope:Thick4	ENG	[0 to 30 / **5** / 1mm/step]

2655	**[TEdge Coeff:FC]**		
	Sets PTR Current Correction Coefficient for Image Trailing Edge for FC Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[5 to 300 / **100** / 1%/step]
002	Plain:Plain1	ENG	[5 to 300 / **100** / 1%/step]
003	Plain:Plain2	ENG	[5 to 300 / **100** / 1%/step]
004	Plain:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
005	Plain:Thick1	ENG	[5 to 300 / **100** / 1%/step]
006	Plain:Thick2	ENG	[5 to 300 / **100** / 1%/step]
007	Plain:Thick3	ENG	[5 to 300 / **100** / 1%/step]
008	Plain:Thick4	ENG	[5 to 300 / **100** / 1%/step]
012	Glossy:Plain1	ENG	[5 to 300 / **100** / 1%/step]
013	Glossy:Plain2	ENG	[5 to 300 / **100** / 1%/step]
014	Glossy:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
015	Glossy:Thick1	ENG	[5 to 300 / **100** / 1%/step]

016	Glossy:Thick2	ENG	[5 to 300 / **100** / 1%/step]
017	Glossy:Thick3	ENG	[5 to 300 / **100** / 1%/step]
018	Glossy:Thick4	ENG	[5 to 300 / **100** / 1%/step]
022	Matte:Plain1	ENG	[5 to 300 / **100** / 1%/step]
023	Matte:Plain2	ENG	[5 to 300 / **100** / 1%/step]
024	Matte:Mid-Thick	ENG	[5 to 300 / **100** / 1%/step]
025	Matte:Thick1	ENG	[5 to 300 / **100** / 1%/step]
026	Matte:Thick2	ENG	[5 to 300 / **100** / 1%/step]
027	Matte:Thick3	ENG	[5 to 300 / **100** / 1%/step]
028	Matte:Thick4	ENG	[5 to 300 / **100** / 1%/step]
056	OHP:Thick1	ENG	[5 to 300 / **100** / 1%/step]
061	TracingPaper:Thin	ENG	[5 to 300 / **100** / 1%/step]
076	Envelope:Thick2	ENG	[5 to 300 / **100** / 1%/step]
077	Envelope:Thick3	ENG	[5 to 300 / **100** / 1%/step]
078	Envelope:Thick4	ENG	[5 to 300 / **100** / 1%/step]

2656	**[TEdge Length:FC]**		
	Sets the length for executing PTR Current Correction for Image Trailing Edge for FC Mode by paper type/paper thickness.		
001	Plain:Thin	ENG	[0 to 100 / **8** / 1mm/step]
002	Plain:Plain1	ENG	[0 to 100 / **8** / 1mm/step]
003	Plain:Plain2	ENG	[0 to 100 / **8** / 1mm/step]
004	Plain:Mid-Thick	ENG	[0 to 100 / **8** / 1mm/step]
005	Plain:Thick1	ENG	[0 to 100 / **8** / 1mm/step]
006	Plain:Thick2	ENG	[0 to 100 / **8** / 1mm/step]
007	Plain:Thick3	ENG	[0 to 100 / **8** / 1mm/step]

008	Plain:Thick4	ENG	[0 to 100 / **8** / 1mm/step]
012	Glossy:Plain1	ENG	[0 to 100 / **8** / 1mm/step]
013	Glossy:Plain2	ENG	[0 to 100 / **8** / 1mm/step]
014	Glossy:Mid-Thick	ENG	[0 to 100 / **8** / 1mm/step]
015	Glossy:Thick1	ENG	[0 to 100 / **8** / 1mm/step]
016	Glossy:Thick2	ENG	[0 to 100 / **8** / 1mm/step]
017	Glossy:Thick3	ENG	[0 to 100 / **8** / 1mm/step]
018	Glossy:Thick4	ENG	[0 to 100 / **8** / 1mm/step]
022	Matte:Plain1	ENG	[0 to 100 / **8** / 1mm/step]
023	Matte:Plain2	ENG	[0 to 100 / **8** / 1mm/step]
024	Matte:Mid-Thick	ENG	[0 to 100 / **8** / 1mm/step]
025	Matte:Thick1	ENG	[0 to 100 / **8** / 1mm/step]
026	Matte:Thick2	ENG	[0 to 100 / **8** / 1mm/step]
027	Matte:Thick3	ENG	[0 to 100 / **8** / 1mm/step]
028	Matte:Thick4	ENG	[0 to 100 / **8** / 1mm/step]
056	OHP:Thick1	ENG	[0 to 100 / **8** / 1mm/step]
061	TracingPaper:Thin	ENG	[0 to 100 / **8** / 1mm/step]
076	Envelope:Thick2	ENG	[0 to 100 / **8** / 1mm/step]
077	Envelope:Thick3	ENG	[0 to 100 / **8** / 1mm/step]
078	Envelope:Thick4	ENG	[0 to 100 / **8** / 1mm/step]

2661	**[PTR Spd Adj:Std Spd]**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed by paper type/paper thickness.		
001	Plain:Thin	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
002	Plain:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

003	Plain:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
004	Plain:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
005	Plain:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
006	Plain:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
007	Plain:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
008	Plain:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
012	Glossy:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
013	Glossy:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
014	Glossy:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
015	Glossy:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
016	Glossy:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
017	Glossy:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
018	Glossy:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

2662	**[PTR Spd Adj:Mid Spd]**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed by paper type/paper thickness.		
001	Plain:Thin	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
002	Plain:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
003	Plain:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
004	Plain:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
005	Plain:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
006	Plain:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
007	Plain:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
008	Plain:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
012	Glossy:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

013	Glossy:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
014	Glossy:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
015	Glossy:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
016	Glossy:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
017	Glossy:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
018	Glossy:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

2663	**[PTR Spd Adj:Mid-Low Spd]**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed by paper type/paper thickness.		
001	Plain:Thin	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
002	Plain:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
003	Plain:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
004	Plain:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
005	Plain:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
006	Plain:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
007	Plain:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
008	Plain:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
012	Glossy:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
013	Glossy:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
014	Glossy:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
015	Glossy:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
016	Glossy:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
017	Glossy:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
018	Glossy:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

2664	**[PTR Spd Adj:Low Spd]**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed by paper type/paper thickness.		
001	Plain:Thin	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
002	Plain:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
003	Plain:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
004	Plain:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
005	Plain:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
006	Plain:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
007	Plain:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
008	Plain:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
012	Glossy:Plain1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
013	Glossy:Plain2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
014	Glossy:Mid-Thick	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
015	Glossy:Thick1	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
016	Glossy:Thick2	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
017	Glossy:Thick3	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]
018	Glossy:Thick4	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

2665	**[PTR Spd Adj:Env]**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed according to Environment Division.		
001	Env Coeff:LLL	ENG	[-0.5 to 0.5 / **0.2** / 0.1%/step]
002	Env Coeff:LL	ENG	[-0.5 to 0.5 / **0.1** / 0.1%/step]
003	Env Coeff:ML	ENG	[-0.5 to 0.5 / **0.0** / 0.1%/step]
004	Env Coeff:MM	ENG	[-0.5 to 0.5 / **0.0** / 0.1%/step]
005	Env Coeff:MH	ENG	[-0.5 to 0.5 / **-0.1** / 0.1%/step]

006	Env Coeff:HH	ENG	[-0.5 to 0.5 / **-0.2** / 0.1%/step]

2671	**[PTR CV:Env Coeff]**		
	Sets Correction Coefficient for correcting PTR CV Control ON time according to Environment Division. (peculiar to Pro machine)		
001	LLL:BW:Side1	*ENG	[10 to 500 / **210** / 1%/step]
002	LLL:BW:Side2	*ENG	
003	LLL:FC:Side1	*ENG	
004	LLL:FC:Side2	*ENG	
011	LL:BW:Side1	*ENG	[10 to 500 / **140** / 1%/step]
012	LL:BW:Side2	*ENG	
013	LL:FC:Side1	*ENG	
014	LL:FC:Side2	*ENG	
021	ML:BW:Side1	*ENG	[10 to 500 / **90** / 1%/step]
022	ML:BW:Side2	*ENG	
023	ML:FC:Side1	*ENG	
024	ML:FC:Side2	*ENG	
031	MM:BW:Side1	*ENG	[10 to 500 / **50** / 1%/step]
032	MM:BW:Side2	*ENG	
033	MM:FC:Side1	*ENG	
034	MM:FC:Side2	*ENG	
041	MH:BW:Side1	*ENG	[10 to 500 / **40** / 1%/step]
042	MH:BW:Side2	*ENG	
043	MH:FC:Side1	*ENG	
044	MH:FC:Side2	*ENG	
051	HH:BW:Side1	*ENG	[10 to 500 / **33** / 1%/step]

052	HH:BW:Side2	*ENG	
053	HH:FC:Side1	*ENG	
054	HH:FC:Side2	*ENG	

2672	**[PTR CV:R Coeff]**		
	Sets Correction Coefficient for correcting PTR CV Control ON time according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R-2	*ENG	[50 to 300 / **80** / 1%/step]
002	R-1	*ENG	[50 to 300 / **91** / 1%/step]
003	R0	*ENG	[50 to 300 / **100** / 1%/step]
004	R+1	*ENG	[50 to 300 / **110** / 1%/step]
005	R+2	*ENG	[50 to 300 / **130** / 1%/step]
006	R+3	*ENG	[50 to 300 / **149** / 1%/step]

2673	**[PTR CV timing:Env Coeff]**		
	Sets Correction Coefficient for correcting the timing of starting PTR CV Control according to Environment Division. (peculiar to Pro machine)		
001	LLL	ENG	[10 to 300 / **100** / 1%/step]
011	LL	ENG	[10 to 300 / **100** / 1%/step]
021	ML	ENG	[10 to 300 / **100** / 1%/step]
031	MM	ENG	[10 to 300 / **100** / 1%/step]
041	MH	ENG	[10 to 300 / **100** / 1%/step]
051	HH	ENG	[10 to 300 / **100** / 1%/step]

2681	**[PTR CV timing:BW]**		
	Sets the timing of starting PTR CV Control for BW Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side1	ENG	[0 to 100 / **50** / 1msec/step]
002	Plain:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
003	Plain:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
004	Plain:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
005	Plain:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
006	Plain:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
007	Plain:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
008	Plain:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]
012	Glossy:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
013	Glossy:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
014	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
015	Glossy:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
016	Glossy:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
017	Glossy:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
018	Glossy:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]
022	Matte:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
023	Matte:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
024	Matte:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
025	Matte:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
026	Matte:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
027	Matte:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
028	Matte:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]

056	OHP:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
061	TracingPaper:Thin:Side1	ENG	[0 to 100 / **50** / 1msec/step]
076	Envelope:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
077	Envelope:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
078	Envelope:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]

2682	**[PTR CV timing:BW]**		
	Sets the timing of starting PTR CV Control for BW Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side2	ENG	[0 to 100 / **50** / 1msec/step]
002	Plain:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
003	Plain:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
004	Plain:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
005	Plain:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
006	Plain:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
007	Plain:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
008	Plain:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
012	Glossy:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
013	Glossy:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
014	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
015	Glossy:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
016	Glossy:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
017	Glossy:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
018	Glossy:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
022	Matte:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
023	Matte:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]

024	Matte:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
025	Matte:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
026	Matte:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
027	Matte:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
028	Matte:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
056	OHP:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
061	TracingPaper:Thin:Side2	ENG	[0 to 100 / **50** / 1msec/step]
076	Envelope:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
077	Envelope:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
078	Envelope:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]

2683	**[PTR CV ON time:BW]**		
	Sets ON time Standard Value for executing PTR CV Control for BW Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side1	ENG	[0 to 100 / **20** / 1msec/step]
002	Plain:Plain1:Side1	ENG	[0 to 100 / **20** / 1msec/step]
003	Plain:Plain2:Side1	ENG	[0 to 100 / **20** / 1msec/step]
004	Plain:Mid-Thick:Side1	ENG	[0 to 100 / **24** / 1msec/step]
005	Plain:Thick1:Side1	ENG	[0 to 100 / **28** / 1msec/step]
006	Plain:Thick2:Side1	ENG	[0 to 100 / **32** / 1msec/step]
007	Plain:Thick3:Side1	ENG	[0 to 100 / **32** / 1msec/step]
008	Plain:Thick4:Side1	ENG	[0 to 100 / **32** / 1msec/step]
012	Glossy:Plain1:Side1	ENG	[0 to 100 / **20** / 1msec/step]
013	Glossy:Plain2:Side1	ENG	[0 to 100 / **20** / 1msec/step]
014	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / **24** / 1msec/step]
015	Glossy:Thick1:Side1	ENG	[0 to 100 / **28** / 1msec/step]

016	Glossy:Thick2:Side1	ENG	[0 to 100 / **32** / 1msec/step]
017	Glossy:Thick3:Side1	ENG	[0 to 100 / **32** / 1msec/step]
018	Glossy:Thick4:Side1	ENG	[0 to 100 / **32** / 1msec/step]
022	Matte:Plain1:Side1	ENG	[0 to 100 / **20** / 1msec/step]
023	Matte:Plain2:Side1	ENG	[0 to 100 / **20** / 1msec/step]
024	Matte:Mid-Thick:Side1	ENG	[0 to 100 / **28** / 1msec/step]
025	Matte:Thick1:Side1	ENG	[0 to 100 / **28** / 1msec/step]
026	Matte:Thick2:Side1	ENG	[0 to 100 / **32** / 1msec/step]
027	Matte:Thick3:Side1	ENG	[0 to 100 / **32** / 1msec/step]
028	Matte:Thick4:Side1	ENG	[0 to 100 / **32** / 1msec/step]
056	OHP:Thick1:Side1	ENG	[0 to 100 / **32** / 1msec/step]
061	TracingPaper:Thin:Side1	ENG	[0 to 100 / **20** / 1msec/step]
076	Envelope:Thick2:Side1	ENG	[0 to 100 / **32** / 1msec/step]
077	Envelope:Thick3:Side1	ENG	[0 to 100 / **32** / 1msec/step]
078	Envelope:Thick4:Side1	ENG	[0 to 100 / **32** / 1msec/step]

2684	**[PTR CV ON time:BW]**		
	Sets ON time Standard Value for executing PTR CV Control for BW Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side2	ENG	[0 to 100 / **20** / 1msec/step]
002	Plain:Plain1:Side2	ENG	[0 to 100 / **20** / 1msec/step]
003	Plain:Plain2:Side2	ENG	[0 to 100 / **20** / 1msec/step]
004	Plain:Mid-Thick:Side2	ENG	[0 to 100 / **24** / 1msec/step]
005	Plain:Thick1:Side2	ENG	[0 to 100 / **28** / 1msec/step]
006	Plain:Thick2:Side2	ENG	[0 to 100 / **32** / 1msec/step]
007	Plain:Thick3:Side2	ENG	[0 to 100 / **32** / 1msec/step]

008	Plain:Thick4:Side2	ENG	[0 to 100 / **32** / 1msec/step]
012	Glossy:Plain1:Side2	ENG	[0 to 100 / **20** / 1msec/step]
013	Glossy:Plain2:Side2	ENG	[0 to 100 / **20** / 1msec/step]
014	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / **24** / 1msec/step]
015	Glossy:Thick1:Side2	ENG	[0 to 100 / **28** / 1msec/step]
016	Glossy:Thick2:Side2	ENG	[0 to 100 / **32** / 1msec/step]
017	Glossy:Thick3:Side2	ENG	[0 to 100 / **32** / 1msec/step]
018	Glossy:Thick4:Side2	ENG	[0 to 100 / **32** / 1msec/step]
022	Matte:Plain1:Side2	ENG	[0 to 100 / **20** / 1msec/step]
023	Matte:Plain2:Side2	ENG	[0 to 100 / **20** / 1msec/step]
024	Matte:Mid-Thick:Side2	ENG	[0 to 100 / **28** / 1msec/step]
025	Matte:Thick1:Side2	ENG	[0 to 100 / **28** / 1msec/step]
026	Matte:Thick2:Side2	ENG	[0 to 100 / **32** / 1msec/step]
027	Matte:Thick3:Side2	ENG	[0 to 100 / **32** / 1msec/step]
028	Matte:Thick4:Side2	ENG	[0 to 100 / **32** / 1msec/step]
056	OHP:Thick1:Side2	ENG	[0 to 100 / **32** / 1msec/step]
061	TracingPaper:Thin:Side2	ENG	[0 to 100 / **20** / 1msec/step]
076	Envelope:Thick2:Side2	ENG	[0 to 100 / **32** / 1msec/step]
077	Envelope:Thick3:Side2	ENG	[0 to 100 / **32** / 1msec/step]
078	Envelope:Thick4:Side2	ENG	[0 to 100 / **32** / 1msec/step]

2686	**[PTR CV timing:FC]**		
	Sets the timing of starting PTR CV Control for FC Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side1	ENG	[0 to 100 / **50** / 1msec/step]
002	Plain:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]

003	Plain:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
004	Plain:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
005	Plain:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
006	Plain:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
007	Plain:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
008	Plain:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]
012	Glossy:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
013	Glossy:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
014	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
015	Glossy:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
016	Glossy:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
017	Glossy:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
018	Glossy:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]
022	Matte:Plain1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
023	Matte:Plain2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
024	Matte:Mid-Thick:Side1	ENG	[0 to 100 / **50** / 1msec/step]
025	Matte:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
026	Matte:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
027	Matte:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
028	Matte:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]
056	OHP:Thick1:Side1	ENG	[0 to 100 / **50** / 1msec/step]
061	TracingPaper:Thin:Side1	ENG	[0 to 100 / **50** / 1msec/step]
076	Envelope:Thick2:Side1	ENG	[0 to 100 / **50** / 1msec/step]
077	Envelope:Thick3:Side1	ENG	[0 to 100 / **50** / 1msec/step]
078	Envelope:Thick4:Side1	ENG	[0 to 100 / **50** / 1msec/step]

2687	**[PTR CV timing:FC]**		
	Sets the timing of starting PTR CV Control for FC Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side2	ENG	[0 to 100 / **50** / 1msec/step]
002	Plain:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
003	Plain:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
004	Plain:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
005	Plain:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
006	Plain:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
007	Plain:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
008	Plain:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
012	Glossy:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
013	Glossy:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
014	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
015	Glossy:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
016	Glossy:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
017	Glossy:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
018	Glossy:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
022	Matte:Plain1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
023	Matte:Plain2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
024	Matte:Mid-Thick:Side2	ENG	[0 to 100 / **50** / 1msec/step]
025	Matte:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]
026	Matte:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
027	Matte:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
028	Matte:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]
056	OHP:Thick1:Side2	ENG	[0 to 100 / **50** / 1msec/step]

061	TracingPaper:Thin:Side2	ENG	[0 to 100 / **50** / 1msec/step]
076	Envelope:Thick2:Side2	ENG	[0 to 100 / **50** / 1msec/step]
077	Envelope:Thick3:Side2	ENG	[0 to 100 / **50** / 1msec/step]
078	Envelope:Thick4:Side2	ENG	[0 to 100 / **50** / 1msec/step]

2688	**[PTR CV ON time:FC]**		
	Sets ON time Standard Value for executing PTR CV Control for FC Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side1	ENG	[0 to 100 / **24** / 1msec/step]
002	Plain:Plain1:Side1	ENG	[0 to 100 / **24** / 1msec/step]
003	Plain:Plain2:Side1	ENG	[0 to 100 / **24** / 1msec/step]
004	Plain:Mid-Thick:Side1	ENG	[0 to 100 / **28** / 1msec/step]
005	Plain:Thick1:Side1	ENG	[0 to 100 / **32** / 1msec/step]
006	Plain:Thick2:Side1	ENG	[0 to 100 / **36** / 1msec/step]
007	Plain:Thick3:Side1	ENG	[0 to 100 / **36** / 1msec/step]
008	Plain:Thick4:Side1	ENG	[0 to 100 / **36** / 1msec/step]
012	Glossy:Plain1:Side1	ENG	[0 to 100 / **24** / 1msec/step]
013	Glossy:Plain2:Side1	ENG	[0 to 100 / **24** / 1msec/step]
014	Glossy:Mid-Thick:Side1	ENG	[0 to 100 / **28** / 1msec/step]
015	Glossy:Thick1:Side1	ENG	[0 to 100 / **32** / 1msec/step]
016	Glossy:Thick2:Side1	ENG	[0 to 100 / **36** / 1msec/step]
017	Glossy:Thick3:Side1	ENG	[0 to 100 / **36** / 1msec/step]
018	Glossy:Thick4:Side1	ENG	[0 to 100 / **36** / 1msec/step]
022	Matte:Plain1:Side1	ENG	[0 to 100 / **24** / 1msec/step]
023	Matte:Plain2:Side1	ENG	[0 to 100 / **24** / 1msec/step]
024	Matte:Mid-Thick:Side1	ENG	[0 to 100 / **28** / 1msec/step]

025	Matte:Thick1:Side1	ENG	[0 to 100 / **32** / 1msec/step]
026	Matte:Thick2:Side1	ENG	[0 to 100 / **36** / 1msec/step]
027	Matte:Thick3:Side1	ENG	[0 to 100 / **36** / 1msec/step]
028	Matte:Thick4:Side1	ENG	[0 to 100 / **36** / 1msec/step]
056	OHP:Thick1:Side1	ENG	[0 to 100 / **36** / 1msec/step]
061	TracingPaper:Thin:Side1	ENG	[0 to 100 / **24** / 1msec/step]
076	Envelope:Thick2:Side1	ENG	[0 to 100 / **36** / 1msec/step]
077	Envelope:Thick3:Side1	ENG	[0 to 100 / **36** / 1msec/step]
078	Envelope:Thick4:Side1	ENG	[0 to 100 / **36** / 1msec/step]

2689	**[PTR CV ON time:FC]**		
	Sets ON time Standard Value for executing PTR CV Control for FC Mode. (peculiar to Pro machine)		
001	Plain:Thin:Side2	ENG	[0 to 100 / **24** / 1msec/step]
002	Plain:Plain1:Side2	ENG	[0 to 100 / **24** / 1msec/step]
003	Plain:Plain2:Side2	ENG	[0 to 100 / **24** / 1msec/step]
004	Plain:Mid-Thick:Side2	ENG	[0 to 100 / **28** / 1msec/step]
005	Plain:Thick1:Side2	ENG	[0 to 100 / **32** / 1msec/step]
006	Plain:Thick2:Side2	ENG	[0 to 100 / **36** / 1msec/step]
007	Plain:Thick3:Side2	ENG	[0 to 100 / **36** / 1msec/step]
008	Plain:Thick4:Side2	ENG	[0 to 100 / **36** / 1msec/step]
012	Glossy:Plain1:Side2	ENG	[0 to 100 / **24** / 1msec/step]
013	Glossy:Plain2:Side2	ENG	[0 to 100 / **24** / 1msec/step]
014	Glossy:Mid-Thick:Side2	ENG	[0 to 100 / **28** / 1msec/step]
015	Glossy:Thick1:Side2	ENG	[0 to 100 / **32** / 1msec/step]
016	Glossy:Thick2:Side2	ENG	[0 to 100 / **36** / 1msec/step]

017	Glossy:Thick3:Side2	ENG	[0 to 100 / **36** / 1msec/step]
018	Glossy:Thick4:Side2	ENG	[0 to 100 / **36** / 1msec/step]
022	Matte:Plain1:Side2	ENG	[0 to 100 / **24** / 1msec/step]
023	Matte:Plain2:Side2	ENG	[0 to 100 / **24** / 1msec/step]
024	Matte:Mid-Thick:Side2	ENG	[0 to 100 / **28** / 1msec/step]
025	Matte:Thick1:Side2	ENG	[0 to 100 / **32** / 1msec/step]
026	Matte:Thick2:Side2	ENG	[0 to 100 / **36** / 1msec/step]
027	Matte:Thick3:Side2	ENG	[0 to 100 / **36** / 1msec/step]
028	Matte:Thick4:Side2	ENG	[0 to 100 / **36** / 1msec/step]
056	OHP:Thick1:Side2	ENG	[0 to 100 / **36** / 1msec/step]
061	TracingPaper:Thin:Side2	ENG	[0 to 100 / **24** / 1msec/step]
076	Envelope:Thick2:Side2	ENG	[0 to 100 / **36** / 1msec/step]
077	Envelope:Thick3:Side2	ENG	[0 to 100 / **36** / 1msec/step]
078	Envelope:Thick4:Side2	ENG	[0 to 100 / **36** / 1msec/step]

2691	**[PTR CL:Bias]**		
001	Job:Posi	ENG	[0 to 1000 / **500** / 10V/step]
	Sets Positive Output of PTR for PTR Roller Cleaning when starting printing.		
002	Job:Nega Coeff	ENG	[0 to 500 / **100** / 10%/step]
	Sets Negative Output of PTR for PTR Roller Cleaning when starting printing.		
003	Recovery:Posi	ENG	[0 to 1000 / **1000** / 10V/step]
	Sets Positive Output of PTR for PTR Roller Cleaning when JAM is recovering.		
004	Recovery:Nega Coeff:	ENG	[0 to 500 / **100** / 10%/step]
	Sets Negative Output of PTR for PTR Roller Cleaning when JAM is recovering.		
005	Prevention:Posi	ENG	[0 to 1000 / **500** / 10V/step]
	Sets PTR Output when adjusting.		

007	Borderless:Posi	*ENG	[0 to 1000 / **500** / 10V/step]
	Sets Positive Output of PTR for PTR Roller Cleaning between papers when executing Trailing Edge Borderless Mode. (peculiar to Pro machine)		
008	Borderless:Nega Coeff	*ENG	[0 to 500 / **100** / 10%/step]
	Sets Negative Output of PTR for PTR Roller Cleaning between papers when executing Trailing Edge Borderless Mode. (peculiar to Pro machine)		

2692	**[PTR CL:Frequency]**		
001	Recovery:Frequency	*ENG	[0 to 30 / **12** / 1time/step]
	Sets Cleaning Frequency for PTR Roller Cleaning when JAM is recovering.		
011	Borderless:Before	*ENG	[0 to 30 / **2** / 1time/step]
	Sets Cleaning Condition for PTR Roller Cleaning between papers when executing Trailing Edge Borderless Mode. (peculiar to Pro machine)		
012	Borderless:After	*ENG	[0 to 30 / **5** / 1time/step]
	Sets Cleaning Condition for PTR Roller Cleaning between papers when executing Trailing Edge Borderless Mode. (peculiar to Pro machine)		
013	Borderless:Frequency	*ENG	[0 to 30 / **3** / 1time/step]
	Sets Cleaning Condition for PTR Roller Cleaning between papers when executing Trailing Edge Borderless Mode. (peculiar to Pro machine)		

2696	**[Force Apply Lubricant]**		
001	Execute	ENG	[- / **-** / -] [Execute]
	Drives ITB/Belt Cleaning alone and Apply Lubricant to Transfer Belt.		
002	Operate Time	ENG	[0 to 600 / **180**/ 1sec/step]
	Sets operation time for Force Apply Lubricant.		
003	Date:History 1	ENG	[0 to 991231 / **0** / 1/step]
	The latest date for successful Force Apply Lubricant		

004	Date:History 2	ENG	[0 to 991231 / **0** / 1/step]
	The previous date for successful Force Apply Lubricant		
005	Date:History 3	ENG	[0 to 991231 / **0** / 1/step]
	The third latest date for successful Force Apply Lubricant		
006	Date:History 4	*ENG	[0 to 991231 / **0** / 1/step]
	The forth latest date for successful Force Apply Lubricant		
007	Date:History 5	*ENG	[0 to 991231 / **0** / 1/step]
	The fifth latest date for successful Force Apply Lubricant		

2700	**[PTR AC Corr:ON/OFF]**		
001	All Corr	*ENG	[0 or 1 / **0** / 1/step]
	All ON/OFF switches for each correction for PTR AC Output when executing Concave-Convex Mode (peculiar to Pro machine) 0: Correction ON (Default), 1: Correction OFF Cleared by turning off the power and returns to the default settings.		
002	Eng Spd Corr	*ENG	[0 or 1 / **0** / 1/step]
	All ON/OFF switches for Line Speed Correction for PTR AC Output when executing Concave-Convex Mode (peculiar to Pro machine) 0: Correction ON (Default), 1: Correction OFF Cleared by turning off the power and returns to the default settings.		
003	Env Corr	*ENG	[0 or 1 / **0** / 1/step]
	All ON/OFF switches for Environment Correction for PTR AC Output when executing Concave-Convex Mode (peculiar to Pro machine) 0: Correction ON (Default), 1: Correction OFF Cleared by turning off the power and returns to the default settings.		
004	R Corr	*ENG	[0 or 1 / **0** / 1/step]
	All ON/OFF switches for Resistance Correction for PTR AC Output when executing Concave-Convex Mode (peculiar to Pro machine) 0: Correction ON (Default), 1: Correction OFF Cleared by turning off the power and returns to the default settings.		

2701	**[RTR AC:Eng Spd Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output along with the Operation Line Speed. (peculiar to Pro machine)		
001	Standard Speed	ENG	[10 to 200 / **100** / 1%/step]
002	Middle Speed	ENG	
003	Middle-Low Speed	ENG	
004	Low Speed	ENG	

2702	**[PTR AC:Env Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to Environment Division. (peculiar to Pro machine)		
001	LLL:BW:Side1	ENG	[10 to 200 / **128** / 1%/step]
002	LLL:BW:Side2	ENG	[10 to 200 / **128** / 1%/step]
003	LLL:FC:Side1	ENG	[10 to 200 / **128** / 1%/step]
004	LLL:FC:Side2	ENG	[10 to 200 / **128** / 1%/step]
005	LLL:Non image	ENG	[10 to 200 / **115** / 1%/step]
011	LL:BW:Side1	ENG	[10 to 200 / **117** / 1%/step]
012	LL:BW:Side2	ENG	[10 to 200 / **117** / 1%/step]
013	LL:FC:Side1	ENG	[10 to 200 / **117** / 1%/step]
014	LL:FC:Side2	ENG	[10 to 200 / **117** / 1%/step]
015	LL:Non image	ENG	[10 to 200 / **115** / 1%/step]
021	ML:BW:Side1	ENG	[10 to 200 / **107** / 1%/step]
022	ML:BW:Side2	ENG	[10 to 200 / **107** / 1%/step]
023	ML:FC:Side1	ENG	[10 to 200 / **107** / 1%/step]
024	ML:FC:Side2	ENG	[10 to 200 / **107** / 1%/step]
025	ML:Non image	ENG	[10 to 200 / **115** / 1%/step]

031	MM:BW:Side1	ENG	[10 to 200 / **100** / 1%/step]
032	MM:BW:Side2	ENG	[10 to 200 / **100** / 1%/step]
033	MM:FC:Side1	ENG	[10 to 200 / **100** / 1%/step]
034	MM:FC:Side2	ENG	[10 to 200 / **100** / 1%/step]
035	MM:Non image	ENG	[10 to 200 / **115** / 1%/step]
041	MH:BW:Side1	ENG	[10 to 200 / **89** / 1%/step]
042	MH:BW:Side2	ENG	[10 to 200 / **89** / 1%/step]
043	MH:FC:Side1	ENG	[10 to 200 / **89** / 1%/step]
044	MH:FC:Side2	ENG	[10 to 200 / **89** / 1%/step]
045	MH:Non image	ENG	[10 to 200 / **115** / 1%/step]
051	HH:BW:Side1	ENG	[10 to 200 / **86** / 1%/step]
052	HH:BW:Side2	ENG	[10 to 200 / **86** / 1%/step]
053	HH:FC:Side1	ENG	[10 to 200 / **86** / 1%/step]
054	HH:FC:Side2	ENG	[10 to 200 / **86** / 1%/step]
055	HH:Non image	ENG	[10 to 200 / **115** / 1%/step]

2703	**[PTR AC:R Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R-2:Thin:Side1	ENG	[50 to 300 / **84** / 1%/step]
002	R-2:Plain1:Side1	ENG	[50 to 300 / **84** / 1%/step]
003	R-2:Plain2:Side1	ENG	[50 to 300 / **84** / 1%/step]
004	R-2:Mid-Thick:Side1	ENG	[50 to 300 / **84** / 1%/step]
005	R-2:Thick1:Side1	ENG	[50 to 300 / **84** / 1%/step]
006	R-2:Thick2:Side1	ENG	[50 to 300 / **84** / 1%/step]
007	R-2:Thick3:Side1	ENG	[50 to 300 / **84** / 1%/step]

008	R-2:Thick4:Side1	ENG	[50 to 300 / **84** / 1%/step]
011	R-2:Thin:Side2	ENG	[50 to 300 / **84** / 1%/step]
012	R-2:Plain1:Side2	ENG	[50 to 300 / **84** / 1%/step]
013	R-2:Plain2:Side2	ENG	[50 to 300 / **84** / 1%/step]
014	R-2:Mid-Thick:Side2	ENG	[50 to 300 / **84** / 1%/step]
015	R-2:Thick1:Side2	ENG	[50 to 300 / **84** / 1%/step]
016	R-2:Thick2:Side2	ENG	[50 to 300 / **84** / 1%/step]
017	R-2:Thick3:Side2	ENG	[50 to 300 / **84** / 1%/step]
018	R-2:Thick4:Side2	ENG	[50 to 300 / **84** / 1%/step]

2704	**[PTR AC:R Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R-1:Thin:Side1	ENG	[50 to 300 / **90** / 1%/step]
002	R-1:Plain1:Side1	ENG	[50 to 300 / **90** / 1%/step]
003	R-1:Plain2:Side1	ENG	[50 to 300 / **91** / 1%/step]
004	R-1:Mid-Thick:Side1	ENG	[50 to 300 / **91** / 1%/step]
005	R-1:Thick1:Side1	ENG	[50 to 300 / **91** / 1%/step]
006	R-1:Thick2:Side1	ENG	[50 to 300 / **92** / 1%/step]
007	R-1:Thick3:Side1	ENG	[50 to 300 / **93** / 1%/step]
008	R-1:Thick4:Side1	ENG	[50 to 300 / **93** / 1%/step]
011	R-1:Thin:Side2	ENG	[50 to 300 / **90** / 1%/step]
012	R-1:Plain1:Side2	ENG	[50 to 300 / **90** / 1%/step]
013	R-1:Plain2:Side2	ENG	[50 to 300 / **91** / 1%/step]
014	R-1:Mid-Thick:Side2	ENG	[50 to 300 / **91** / 1%/step]
015	R-1:Thick1:Side2	ENG	[50 to 300 / **91** / 1%/step]

016	R-1:Thick2:Side2	ENG	[50 to 300 / **93** / 1%/step]
017	R-1:Thick3:Side2	ENG	[50 to 300 / **93** / 1%/step]
018	R-1:Thick4:Side2	ENG	[50 to 300 / **93** / 1%/step]

2705	**[PTR AC:R Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R0:Thin:Side1	ENG	[50 to 300 / **100** / 1%/step]
002	R0:Plain1:Side1	ENG	[50 to 300 / **100** / 1%/step]
003	R0:Plain2:Side1	ENG	[50 to 300 / **100** / 1%/step]
004	R0:Mid-Thick:Side1	ENG	[50 to 300 / **100** / 1%/step]
005	R0:Thick1:Side1	ENG	[50 to 300 / **100** / 1%/step]
006	R0:Thick2:Side1	ENG	[50 to 300 / **100** / 1%/step]
007	R0:Thick3:Side1	ENG	[50 to 300 / **100** / 1%/step]
008	R0:Thick4:Side1	ENG	[50 to 300 / **100** / 1%/step]
011	R0:Thin:Side2	ENG	[50 to 300 / **100** / 1%/step]
012	R0:Plain1:Side2	ENG	[50 to 300 / **100** / 1%/step]
013	R0:Plain2:Side2	ENG	[50 to 300 / **100** / 1%/step]
014	R0:Mid-Thick:Side2	ENG	[50 to 300 / **100** / 1%/step]
015	R0:Thick1:Side2	ENG	[50 to 300 / **100** / 1%/step]
016	R0:Thick2:Side2	ENG	[50 to 300 / **100** / 1%/step]
017	R0:Thick3:Side2	ENG	[50 to 300 / **100** / 1%/step]
018	R0:Thick4:Side2	ENG	[50 to 300 / **100** / 1%/step]

2706	**[PTR AC:R Coeff]**
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)

001	R+1:Thin:Side1	ENG	[50 to 300 / **109** / 1%/step]
002	R+1:Plain1:Side1	ENG	[50 to 300 / **109** / 1%/step]
003	R+1:Plain2:Side1	ENG	[50 to 300 / **109** / 1%/step]
004	R+1:Mid-Thick:Side1	ENG	[50 to 300 / **109** / 1%/step]
005	R+1:Thick1:Side1	ENG	[50 to 300 / **109** / 1%/step]
006	R+1:Thick2:Side1	ENG	[50 to 300 / **109** / 1%/step]
007	R+1:Thick3:Side1	ENG	[50 to 300 / **109** / 1%/step]
008	R+1:Thick4:Side1	ENG	[50 to 300 / **109** / 1%/step]
011	R+1:Thin:Side2	ENG	[50 to 300 / **109** / 1%/step]
012	R+1:Plain1:Side2	ENG	[50 to 300 / **109** / 1%/step]
013	R+1:Plain2:Side2	ENG	[50 to 300 / **109** / 1%/step]
014	R+1:Mid-Thick:Side2	ENG	[50 to 300 / **109** / 1%/step]
015	R+1:Thick1:Side2	ENG	[50 to 300 / **109** / 1%/step]
016	R+1:Thick2:Side2	ENG	[50 to 300 / **109** / 1%/step]
017	R+1:Thick3:Side2	ENG	[50 to 300 / **109** / 1%/step]
018	R+1:Thick4:Side2	ENG	[50 to 300 / **109** / 1%/step]

2707	**[PTR AC:R Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R+2:Thin:Side1	ENG	[50 to 300 / **124** / 1%/step]
002	R+2:Plain1:Side1	ENG	[50 to 300 / **124** / 1%/step]
003	R+2:Plain2:Side1	ENG	[50 to 300 / **124** / 1%/step]
004	R+2:Mid-Thick:Side1	ENG	[50 to 300 / **124** / 1%/step]
005	R+2:Thick1:Side1	ENG	[50 to 300 / **124** / 1%/step]
006	R+2:Thick2:Side1	ENG	[50 to 300 / **124** / 1%/step]

007	R+2:Thick3:Side1	ENG	[50 to 300 / **124** / 1%/step]
008	R+2:Thick4:Side1	ENG	[50 to 300 / **124** / 1%/step]
011	R+2:Thin:Side2	ENG	[50 to 300 / **124** / 1%/step]
012	R+2:Plain1:Side2	ENG	[50 to 300 / **124** / 1%/step]
013	R+2:Plain2:Side2	ENG	[50 to 300 / **124** / 1%/step]
014	R+2:Mid-Thick:Side2	ENG	[50 to 300 / **124** / 1%/step]
015	R+2:Thick1:Side2	ENG	[50 to 300 / **124** / 1%/step]
016	R+2:Thick2:Side2	ENG	[50 to 300 / **124** / 1%/step]
017	R+2:Thick3:Side2	ENG	[50 to 300 / **124** / 1%/step]
018	R+2:Thick4:Side2	ENG	[50 to 300 / **124** / 1%/step]

2708	**[PTR AC:R Coeff]**		
	Sets Correction Coefficient for correcting PTR AC Output according to R Division for PTR Roller. (peculiar to Pro machine)		
001	R+3:Thin:Side1	ENG	[50 to 300 / **132** / 1%/step]
002	R+3:Plain1:Side1	ENG	[50 to 300 / **132** / 1%/step]
003	R+3:Plain2:Side1	ENG	[50 to 300 / **132** / 1%/step]
004	R+3:Mid-Thick:Side1	ENG	[50 to 300 / **132** / 1%/step]
005	R+3:Thick1:Side1	ENG	[50 to 300 / **132** / 1%/step]
006	R+3:Thick2:Side1	ENG	[50 to 300 / **132** / 1%/step]
007	R+3:Thick3:Side1	ENG	[50 to 300 / **132** / 1%/step]
008	R+3:Thick4:Side1	ENG	[50 to 300 / **132** / 1%/step]
011	R+3:Thin:Side2	ENG	[50 to 300 / **132** / 1%/step]
012	R+3:Plain1:Side2	ENG	[50 to 300 / **132** / 1%/step]
013	R+3:Plain2:Side2	ENG	[50 to 300 / **132** / 1%/step]
014	R+3:Mid-Thick:Side2	ENG	[50 to 300 / **132** / 1%/step]

015	R+3:Thick1:Side2	ENG	[50 to 300 / **132** / 1%/step]
016	R+3:Thick2:Side2	ENG	[50 to 300 / **132** / 1%/step]
017	R+3:Thick3:Side2	ENG	[50 to 300 / **132** / 1%/step]
018	R+3:Thick4:Side2	ENG	[50 to 300 / **132** / 1%/step]

2709	**[PTR AC:Non-Image]**		
	Sets PTR AC Output for creating Non-Image. (peculiar to Pro machine)		
001	Non-Image	ENG	[0.0 to 14.0 / **0.0** / 0.1kV/step]

2801	**[ITB Bias:K:BW]** *D137/D138 only		
	Sets ITB Current Standard Value K for BW Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 70 / **34** / 1uA/step]
002	Custom Paper 002	ENG	[0 to 70 / **34** / 1uA/step]
003	Custom Paper 003	ENG	[0 to 70 / **34** / 1uA/step]
004	Custom Paper 004	ENG	[0 to 70 / **34** / 1uA/step]
005	Custom Paper 005	ENG	[0 to 70 / **34** / 1uA/step]
006	Custom Paper 006	ENG	[0 to 70 / **34** / 1uA/step]
007	Custom Paper 007	ENG	[0 to 70 / **34** / 1uA/step]
008	Custom Paper 008	ENG	[0 to 70 / **34** / 1uA/step]
009	Custom Paper 009	ENG	[0 to 70 / **34** / 1uA/step]
010	Custom Paper 010	ENG	[0 to 70 / **34** / 1uA/step]
011	Custom Paper 011	ENG	[0 to 70 / **34** / 1uA/step]
012	Custom Paper 012	ENG	[0 to 70 / **34** / 1uA/step]
013	Custom Paper 013	ENG	[0 to 70 / **34** / 1uA/step]
014	Custom Paper 014	ENG	[0 to 70 / **34** / 1uA/step]
015	Custom Paper 015	ENG	[0 to 70 / **34** / 1uA/step]

016	Custom Paper 016	ENG	[0 to 70 / **34** / 1uA/step]
017	Custom Paper 017	ENG	[0 to 70 / **34** / 1uA/step]
018	Custom Paper 018	ENG	[0 to 70 / **34** / 1uA/step]
019	Custom Paper 019	ENG	[0 to 70 / **34** / 1uA/step]
020	Custom Paper 020	ENG	[0 to 70 / **34** / 1uA/step]
021	Custom Paper 021	ENG	[0 to 70 / **34** / 1uA/step]
022	Custom Paper 022	ENG	[0 to 70 / **34** / 1uA/step]
023	Custom Paper 023	ENG	[0 to 70 / **34** / 1uA/step]
024	Custom Paper 024	ENG	[0 to 70 / **34** / 1uA/step]
025	Custom Paper 025	ENG	[0 to 70 / **34** / 1uA/step]
026	Custom Paper 026	ENG	[0 to 70 / **34** / 1uA/step]
027	Custom Paper 027	ENG	[0 to 70 / **34** / 1uA/step]
028	Custom Paper 028	ENG	[0 to 70 / **34** / 1uA/step]
029	Custom Paper 029	ENG	[0 to 70 / **34** / 1uA/step]
030	Custom Paper 030	ENG	[0 to 70 / **34** / 1uA/step]
031	Custom Paper 031	ENG	[0 to 70 / **34** / 1uA/step]
032	Custom Paper 032	ENG	[0 to 70 / **34** / 1uA/step]
033	Custom Paper 033	ENG	[0 to 70 / **34** / 1uA/step]
034	Custom Paper 034	ENG	[0 to 70 / **34** / 1uA/step]
035	Custom Paper 035	ENG	[0 to 70 / **34** / 1uA/step]
036	Custom Paper 036	ENG	[0 to 70 / **34** / 1uA/step]
037	Custom Paper 037	ENG	[0 to 70 / **34** / 1uA/step]
038	Custom Paper 038	ENG	[0 to 70 / **34** / 1uA/step]
039	Custom Paper 039	ENG	[0 to 70 / **34** / 1uA/step]
040	Custom Paper 040	ENG	[0 to 70 / **34** / 1uA/step]
041	Custom Paper 041	ENG	[0 to 70 / **34** / 1uA/step]

042	Custom Paper 042	ENG	[0 to 70 / **34** / 1uA/step]
043	Custom Paper 043	ENG	[0 to 70 / **34** / 1uA/step]
044	Custom Paper 044	ENG	[0 to 70 / **34** / 1uA/step]
045	Custom Paper 045	ENG	[0 to 70 / **34** / 1uA/step]
046	Custom Paper 046	ENG	[0 to 70 / **34** / 1uA/step]
047	Custom Paper 047	ENG	[0 to 70 / **34** / 1uA/step]
048	Custom Paper 048	ENG	[0 to 70 / **34** / 1uA/step]
049	Custom Paper 049	ENG	[0 to 70 / **34** / 1uA/step]
050	Custom Paper 050	ENG	[0 to 70 / **34** / 1uA/step]
051	Custom Paper 051	ENG	[0 to 70 / **34** / 1uA/step]
052	Custom Paper 052	ENG	[0 to 70 / **34** / 1uA/step]
053	Custom Paper 053	ENG	[0 to 70 / **34** / 1uA/step]
054	Custom Paper 054	ENG	[0 to 70 / **34** / 1uA/step]
055	Custom Paper 055	ENG	[0 to 70 / **34** / 1uA/step]
056	Custom Paper 056	ENG	[0 to 70 / **34** / 1uA/step]
057	Custom Paper 057	ENG	[0 to 70 / **34** / 1uA/step]
058	Custom Paper 058	ENG	[0 to 70 / **34** / 1uA/step]
059	Custom Paper 059	ENG	[0 to 70 / **34** / 1uA/step]
060	Custom Paper 060	ENG	[0 to 70 / **34** / 1uA/step]
061	Custom Paper 061	ENG	[0 to 70 / **34** / 1uA/step]
062	Custom Paper 062	ENG	[0 to 70 / **34** / 1uA/step]
063	Custom Paper 063	ENG	[0 to 70 / **34** / 1uA/step]
064	Custom Paper 064	ENG	[0 to 70 / **34** / 1uA/step]
065	Custom Paper 065	ENG	[0 to 70 / **34** / 1uA/step]
066	Custom Paper 066	ENG	[0 to 70 / **34** / 1uA/step]
067	Custom Paper 067	ENG	[0 to 70 / **34** / 1uA/step]

068	Custom Paper 068	ENG	[0 to 70 / **34** / 1uA/step]
069	Custom Paper 069	ENG	[0 to 70 / **34** / 1uA/step]
070	Custom Paper 070	ENG	[0 to 70 / **34** / 1uA/step]
071	Custom Paper 071	ENG	[0 to 70 / **34** / 1uA/step]
072	Custom Paper 072	ENG	[0 to 70 / **34** / 1uA/step]
073	Custom Paper 073	ENG	[0 to 70 / **34** / 1uA/step]
074	Custom Paper 074	ENG	[0 to 70 / **34** / 1uA/step]
075	Custom Paper 075	ENG	[0 to 70 / **34** / 1uA/step]
076	Custom Paper 076	ENG	[0 to 70 / **34** / 1uA/step]
077	Custom Paper 077	ENG	[0 to 70 / **34** / 1uA/step]
078	Custom Paper 078	ENG	[0 to 70 / **34** / 1uA/step]
079	Custom Paper 079	ENG	[0 to 70 / **34** / 1uA/step]
080	Custom Paper 080	ENG	[0 to 70 / **34** / 1uA/step]
081	Custom Paper 081	ENG	[0 to 70 / **34** / 1uA/step]
082	Custom Paper 082	ENG	[0 to 70 / **34** / 1uA/step]
083	Custom Paper 083	ENG	[0 to 70 / **34** / 1uA/step]
084	Custom Paper 084	ENG	[0 to 70 / **34** / 1uA/step]
085	Custom Paper 085	ENG	[0 to 70 / **34** / 1uA/step]
086	Custom Paper 086	ENG	[0 to 70 / **34** / 1uA/step]
087	Custom Paper 087	ENG	[0 to 70 / **34** / 1uA/step]
088	Custom Paper 088	ENG	[0 to 70 / **34** / 1uA/step]
089	Custom Paper 089	ENG	[0 to 70 / **34** / 1uA/step]
090	Custom Paper 090	ENG	[0 to 70 / **34** / 1uA/step]
091	Custom Paper 091	ENG	[0 to 70 / **34** / 1uA/step]
092	Custom Paper 092	ENG	[0 to 70 / **34** / 1uA/step]
093	Custom Paper 093	ENG	[0 to 70 / **34** / 1uA/step]

094	Custom Paper 094	ENG	[0 to 70 / **34** / 1uA/step]
095	Custom Paper 095	ENG	[0 to 70 / **34** / 1uA/step]
096	Custom Paper 096	ENG	[0 to 70 / **34** / 1uA/step]
097	Custom Paper 097	ENG	[0 to 70 / **34** / 1uA/step]
098	Custom Paper 098	ENG	[0 to 70 / **34** / 1uA/step]
099	Custom Paper 099	ENG	[0 to 70 / **34** / 1uA/step]
100	Custom Paper 100	ENG	[0 to 70 / **34** / 1uA/step]

2802	**[ITB Bias:K:FC] *D137/D138 only**		
	Sets ITB Current Standard Value K for FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 70 / **33** / 1uA/step]
002	Custom Paper 002	ENG	[0 to 70 / **33** / 1uA/step]
003	Custom Paper 003	ENG	[0 to 70 / **33** / 1uA/step]
004	Custom Paper 004	ENG	[0 to 70 / **33** / 1uA/step]
005	Custom Paper 005	ENG	[0 to 70 / **33** / 1uA/step]
006	Custom Paper 006	ENG	[0 to 70 / **33** / 1uA/step]
007	Custom Paper 007	ENG	[0 to 70 / **33** / 1uA/step]
008	Custom Paper 008	ENG	[0 to 70 / **33** / 1uA/step]
009	Custom Paper 009	ENG	[0 to 70 / **33** / 1uA/step]
010	Custom Paper 010	ENG	[0 to 70 / **33** / 1uA/step]
011	Custom Paper 011	ENG	[0 to 70 / **33** / 1uA/step]
012	Custom Paper 012	ENG	[0 to 70 / **33** / 1uA/step]
013	Custom Paper 013	ENG	[0 to 70 / **33** / 1uA/step]
014	Custom Paper 014	ENG	[0 to 70 / **33** / 1uA/step]
015	Custom Paper 015	ENG	[0 to 70 / **33** / 1uA/step]
016	Custom Paper 016	ENG	[0 to 70 / **33** / 1uA/step]

017	Custom Paper 017	ENG	[0 to 70 / **33** / 1uA/step]
018	Custom Paper 018	ENG	[0 to 70 / **33** / 1uA/step]
019	Custom Paper 019	ENG	[0 to 70 / **33** / 1uA/step]
020	Custom Paper 020	ENG	[0 to 70 / **33** / 1uA/step]
021	Custom Paper 021	ENG	[0 to 70 / **33** / 1uA/step]
022	Custom Paper 022	ENG	[0 to 70 / **33** / 1uA/step]
023	Custom Paper 023	ENG	[0 to 70 / **33** / 1uA/step]
024	Custom Paper 024	ENG	[0 to 70 / **33** / 1uA/step]
025	Custom Paper 025	ENG	[0 to 70 / **33** / 1uA/step]
026	Custom Paper 026	ENG	[0 to 70 / **33** / 1uA/step]
027	Custom Paper 027	ENG	[0 to 70 / **33** / 1uA/step]
028	Custom Paper 028	ENG	[0 to 70 / **33** / 1uA/step]
029	Custom Paper 029	ENG	[0 to 70 / **33** / 1uA/step]
030	Custom Paper 030	ENG	[0 to 70 / **33** / 1uA/step]
031	Custom Paper 031	ENG	[0 to 70 / **33** / 1uA/step]
032	Custom Paper 032	ENG	[0 to 70 / **33** / 1uA/step]
033	Custom Paper 033	ENG	[0 to 70 / **33** / 1uA/step]
034	Custom Paper 034	ENG	[0 to 70 / **33** / 1uA/step]
035	Custom Paper 035	ENG	[0 to 70 / **33** / 1uA/step]
036	Custom Paper 036	ENG	[0 to 70 / **33** / 1uA/step]
037	Custom Paper 037	ENG	[0 to 70 / **33** / 1uA/step]
038	Custom Paper 038	ENG	[0 to 70 / **33** / 1uA/step]
039	Custom Paper 039	ENG	[0 to 70 / **33** / 1uA/step]
040	Custom Paper 040	ENG	[0 to 70 / **33** / 1uA/step]
041	Custom Paper 041	ENG	[0 to 70 / **33** / 1uA/step]
042	Custom Paper 042	ENG	[0 to 70 / **33** / 1uA/step]

043	Custom Paper 043	ENG	[0 to 70 / **33** / 1uA/step]
044	Custom Paper 044	ENG	[0 to 70 / **33** / 1uA/step]
045	Custom Paper 045	ENG	[0 to 70 / **33** / 1uA/step]
046	Custom Paper 046	ENG	[0 to 70 / **33** / 1uA/step]
047	Custom Paper 047	ENG	[0 to 70 / **33** / 1uA/step]
048	Custom Paper 048	ENG	[0 to 70 / **33** / 1uA/step]
049	Custom Paper 049	ENG	[0 to 70 / **33** / 1uA/step]
050	Custom Paper 050	ENG	[0 to 70 / **33** / 1uA/step]
051	Custom Paper 051	ENG	[0 to 70 / **33** / 1uA/step]
052	Custom Paper 052	ENG	[0 to 70 / **33** / 1uA/step]
053	Custom Paper 053	ENG	[0 to 70 / **33** / 1uA/step]
054	Custom Paper 054	ENG	[0 to 70 / **33** / 1uA/step]
055	Custom Paper 055	ENG	[0 to 70 / **33** / 1uA/step]
056	Custom Paper 056	ENG	[0 to 70 / **33** / 1uA/step]
057	Custom Paper 057	ENG	[0 to 70 / **33** / 1uA/step]
058	Custom Paper 058	ENG	[0 to 70 / **33** / 1uA/step]
059	Custom Paper 059	ENG	[0 to 70 / **33** / 1uA/step]
060	Custom Paper 060	ENG	[0 to 70 / **33** / 1uA/step]
061	Custom Paper 061	ENG	[0 to 70 / **33** / 1uA/step]
062	Custom Paper 062	ENG	[0 to 70 / **33** / 1uA/step]
063	Custom Paper 063	ENG	[0 to 70 / **33** / 1uA/step]
064	Custom Paper 064	ENG	[0 to 70 / **33** / 1uA/step]
065	Custom Paper 065	ENG	[0 to 70 / **33** / 1uA/step]
066	Custom Paper 066	ENG	[0 to 70 / **33** / 1uA/step]
067	Custom Paper 067	ENG	[0 to 70 / **33** / 1uA/step]
068	Custom Paper 068	ENG	[0 to 70 / **33** / 1uA/step]

069	Custom Paper 069	ENG	[0 to 70 / **33** / 1uA/step]
070	Custom Paper 070	ENG	[0 to 70 / **33** / 1uA/step]
071	Custom Paper 071	ENG	[0 to 70 / **33** / 1uA/step]
072	Custom Paper 072	ENG	[0 to 70 / **33** / 1uA/step]
073	Custom Paper 073	ENG	[0 to 70 / **33** / 1uA/step]
074	Custom Paper 074	ENG	[0 to 70 / **33** / 1uA/step]
075	Custom Paper 075	ENG	[0 to 70 / **33** / 1uA/step]
076	Custom Paper 076	ENG	[0 to 70 / **33** / 1uA/step]
077	Custom Paper 077	ENG	[0 to 70 / **33** / 1uA/step]
078	Custom Paper 078	ENG	[0 to 70 / **33** / 1uA/step]
079	Custom Paper 079	ENG	[0 to 70 / **33** / 1uA/step]
080	Custom Paper 080	ENG	[0 to 70 / **33** / 1uA/step]
081	Custom Paper 081	ENG	[0 to 70 / **33** / 1uA/step]
082	Custom Paper 082	ENG	[0 to 70 / **33** / 1uA/step]
083	Custom Paper 083	ENG	[0 to 70 / **33** / 1uA/step]
084	Custom Paper 084	ENG	[0 to 70 / **33** / 1uA/step]
085	Custom Paper 085	ENG	[0 to 70 / **33** / 1uA/step]
086	Custom Paper 086	ENG	[0 to 70 / **33** / 1uA/step]
087	Custom Paper 087	ENG	[0 to 70 / **33** / 1uA/step]
088	Custom Paper 088	ENG	[0 to 70 / **33** / 1uA/step]
089	Custom Paper 089	ENG	[0 to 70 / **33** / 1uA/step]
090	Custom Paper 090	ENG	[0 to 70 / **33** / 1uA/step]
091	Custom Paper 091	ENG	[0 to 70 / **33** / 1uA/step]
092	Custom Paper 092	ENG	[0 to 70 / **33** / 1uA/step]
093	Custom Paper 093	ENG	[0 to 70 / **33** / 1uA/step]
094	Custom Paper 094	ENG	[0 to 70 / **33** / 1uA/step]

095	Custom Paper 095	ENG	[0 to 70 / **33** / 1uA/step]
096	Custom Paper 096	ENG	[0 to 70 / **33** / 1uA/step]
097	Custom Paper 097	ENG	[0 to 70 / **33** / 1uA/step]
098	Custom Paper 098	ENG	[0 to 70 / **33** / 1uA/step]
099	Custom Paper 099	ENG	[0 to 70 / **33** / 1uA/step]
100	Custom Paper 100	ENG	[0 to 70 / **34** / 1uA/step]

2803	**[ITB Bias:C:FC] *D137/D138 only**		
	Sets ITB Current Standard Value C for FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 70 / **34** / 1uA/step]
002	Custom Paper 002	ENG	[0 to 70 / **34** / 1uA/step]
003	Custom Paper 003	ENG	[0 to 70 / **34** / 1uA/step]
004	Custom Paper 004	ENG	[0 to 70 / **34** / 1uA/step]
005	Custom Paper 005	ENG	[0 to 70 / **34** / 1uA/step]
006	Custom Paper 006	ENG	[0 to 70 / **34** / 1uA/step]
007	Custom Paper 007	ENG	[0 to 70 / **34** / 1uA/step]
008	Custom Paper 008	ENG	[0 to 70 / **34** / 1uA/step]
009	Custom Paper 009	ENG	[0 to 70 / **34** / 1uA/step]
010	Custom Paper 010	ENG	[0 to 70 / **34** / 1uA/step]
011	Custom Paper 011	ENG	[0 to 70 / **34** / 1uA/step]
012	Custom Paper 012	ENG	[0 to 70 / **34** / 1uA/step]
013	Custom Paper 013	ENG	[0 to 70 / **34** / 1uA/step]
014	Custom Paper 014	ENG	[0 to 70 / **34** / 1uA/step]
015	Custom Paper 015	ENG	[0 to 70 / **34** / 1uA/step]
016	Custom Paper 016	ENG	[0 to 70 / **34** / 1uA/step]
017	Custom Paper 017	ENG	[0 to 70 / **34** / 1uA/step]

018	Custom Paper 018	ENG	[0 to 70 / **34** / 1uA/step]
019	Custom Paper 019	ENG	[0 to 70 / **34** / 1uA/step]
020	Custom Paper 020	ENG	[0 to 70 / **34** / 1uA/step]
021	Custom Paper 021	ENG	[0 to 70 / **34** / 1uA/step]
022	Custom Paper 022	ENG	[0 to 70 / **34** / 1uA/step]
023	Custom Paper 023	ENG	[0 to 70 / **34** / 1uA/step]
024	Custom Paper 024	ENG	[0 to 70 / **34** / 1uA/step]
025	Custom Paper 025	ENG	[0 to 70 / **34** / 1uA/step]
026	Custom Paper 026	ENG	[0 to 70 / **34** / 1uA/step]
027	Custom Paper 027	ENG	[0 to 70 / **34** / 1uA/step]
028	Custom Paper 028	ENG	[0 to 70 / **34** / 1uA/step]
029	Custom Paper 029	ENG	[0 to 70 / **34** / 1uA/step]
030	Custom Paper 030	ENG	[0 to 70 / **34** / 1uA/step]
031	Custom Paper 031	ENG	[0 to 70 / **34** / 1uA/step]
032	Custom Paper 032	ENG	[0 to 70 / **34** / 1uA/step]
033	Custom Paper 033	ENG	[0 to 70 / **34** / 1uA/step]
034	Custom Paper 034	ENG	[0 to 70 / **34** / 1uA/step]
035	Custom Paper 035	ENG	[0 to 70 / **34** / 1uA/step]
036	Custom Paper 036	ENG	[0 to 70 / **34** / 1uA/step]
037	Custom Paper 037	ENG	[0 to 70 / **34** / 1uA/step]
038	Custom Paper 038	ENG	[0 to 70 / **34** / 1uA/step]
039	Custom Paper 039	ENG	[0 to 70 / **34** / 1uA/step]
040	Custom Paper 040	ENG	[0 to 70 / **34** / 1uA/step]
041	Custom Paper 041	ENG	[0 to 70 / **34** / 1uA/step]
042	Custom Paper 042	ENG	[0 to 70 / **34** / 1uA/step]
043	Custom Paper 043	ENG	[0 to 70 / **34** / 1uA/step]

044	Custom Paper 044	ENG	[0 to 70 / **34** / 1uA/step]
045	Custom Paper 045	ENG	[0 to 70 / **34** / 1uA/step]
046	Custom Paper 046	ENG	[0 to 70 / **34** / 1uA/step]
047	Custom Paper 047	ENG	[0 to 70 / **34** / 1uA/step]
048	Custom Paper 048	ENG	[0 to 70 / **34** / 1uA/step]
049	Custom Paper 049	ENG	[0 to 70 / **34** / 1uA/step]
050	Custom Paper 050	ENG	[0 to 70 / **34** / 1uA/step]
051	Custom Paper 051	ENG	[0 to 70 / **34** / 1uA/step]
052	Custom Paper 052	ENG	[0 to 70 / **34** / 1uA/step]
053	Custom Paper 053	ENG	[0 to 70 / **34** / 1uA/step]
054	Custom Paper 054	ENG	[0 to 70 / **34** / 1uA/step]
055	Custom Paper 055	ENG	[0 to 70 / **34** / 1uA/step]
056	Custom Paper 056	ENG	[0 to 70 / **34** / 1uA/step]
057	Custom Paper 057	ENG	[0 to 70 / **34** / 1uA/step]
058	Custom Paper 058	ENG	[0 to 70 / **34** / 1uA/step]
059	Custom Paper 059	ENG	[0 to 70 / **34** / 1uA/step]
060	Custom Paper 060	ENG	[0 to 70 / **34** / 1uA/step]
061	Custom Paper 061	ENG	[0 to 70 / **34** / 1uA/step]
062	Custom Paper 062	ENG	[0 to 70 / **34** / 1uA/step]
063	Custom Paper 063	ENG	[0 to 70 / **34** / 1uA/step]
064	Custom Paper 064	ENG	[0 to 70 / **34** / 1uA/step]
065	Custom Paper 065	ENG	[0 to 70 / **34** / 1uA/step]
066	Custom Paper 066	ENG	[0 to 70 / **34** / 1uA/step]
067	Custom Paper 067	ENG	[0 to 70 / **34** / 1uA/step]
068	Custom Paper 068	ENG	[0 to 70 / **34** / 1uA/step]
069	Custom Paper 069	ENG	[0 to 70 / **34** / 1uA/step]

070	Custom Paper 070	ENG	[0 to 70 / **34** / 1uA/step]
071	Custom Paper 071	ENG	[0 to 70 / **34** / 1uA/step]
072	Custom Paper 072	ENG	[0 to 70 / **34** / 1uA/step]
073	Custom Paper 073	ENG	[0 to 70 / **34** / 1uA/step]
074	Custom Paper 074	ENG	[0 to 70 / **34** / 1uA/step]
075	Custom Paper 075	ENG	[0 to 70 / **34** / 1uA/step]
076	Custom Paper 076	ENG	[0 to 70 / **34** / 1uA/step]
077	Custom Paper 077	ENG	[0 to 70 / **34** / 1uA/step]
078	Custom Paper 078	ENG	[0 to 70 / **34** / 1uA/step]
079	Custom Paper 079	ENG	[0 to 70 / **34** / 1uA/step]
080	Custom Paper 080	ENG	[0 to 70 / **34** / 1uA/step]
081	Custom Paper 081	ENG	[0 to 70 / **34** / 1uA/step]
082	Custom Paper 082	ENG	[0 to 70 / **34** / 1uA/step]
083	Custom Paper 083	ENG	[0 to 70 / **34** / 1uA/step]
084	Custom Paper 084	ENG	[0 to 70 / **34** / 1uA/step]
085	Custom Paper 085	ENG	[0 to 70 / **34** / 1uA/step]
086	Custom Paper 086	ENG	[0 to 70 / **34** / 1uA/step]
087	Custom Paper 087	ENG	[0 to 70 / **34** / 1uA/step]
088	Custom Paper 088	ENG	[0 to 70 / **34** / 1uA/step]
089	Custom Paper 089	ENG	[0 to 70 / **34** / 1uA/step]
090	Custom Paper 090	ENG	[0 to 70 / **34** / 1uA/step]
091	Custom Paper 091	ENG	[0 to 70 / **34** / 1uA/step]
092	Custom Paper 092	ENG	[0 to 70 / **34** / 1uA/step]
093	Custom Paper 093	ENG	[0 to 70 / **34** / 1uA/step]
094	Custom Paper 094	ENG	[0 to 70 / **34** / 1uA/step]
095	Custom Paper 095	ENG	[0 to 70 / **34** / 1uA/step]

096	Custom Paper 096	ENG	[0 to 70 / **34** / 1uA/step]
097	Custom Paper 097	ENG	[0 to 70 / **34** / 1uA/step]
098	Custom Paper 098	ENG	[0 to 70 / **34** / 1uA/step]
099	Custom Paper 099	ENG	[0 to 70 / **34** / 1uA/step]
100	Custom Paper 100	ENG	[0 to 70 / **34** / 1uA/step]

2804	**[ITB Bias:M:FC] *D137/D138 only**		
	Sets ITB Current Standard Value M for FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 70 / **36** / 1uA/step]
002	Custom Paper 002	ENG	[0 to 70 / **36** / 1uA/step]
003	Custom Paper 003	ENG	[0 to 70 / **36** / 1uA/step]
004	Custom Paper 004	ENG	[0 to 70 / **36** / 1uA/step]
005	Custom Paper 005	ENG	[0 to 70 / **36** / 1uA/step]
006	Custom Paper 006	ENG	[0 to 70 / **36** / 1uA/step]
007	Custom Paper 007	ENG	[0 to 70 / **36** / 1uA/step]
008	Custom Paper 008	ENG	[0 to 70 / **36** / 1uA/step]
009	Custom Paper 009	ENG	[0 to 70 / **36** / 1uA/step]
010	Custom Paper 010	ENG	[0 to 70 / **36** / 1uA/step]
011	Custom Paper 011	ENG	[0 to 70 / **36** / 1uA/step]
012	Custom Paper 012	ENG	[0 to 70 / **36** / 1uA/step]
013	Custom Paper 013	ENG	[0 to 70 / **36** / 1uA/step]
014	Custom Paper 014	ENG	[0 to 70 / **36** / 1uA/step]
015	Custom Paper 015	ENG	[0 to 70 / **36** / 1uA/step]
016	Custom Paper 016	ENG	[0 to 70 / **36** / 1uA/step]
017	Custom Paper 017	ENG	[0 to 70 / **36** / 1uA/step]
018	Custom Paper 018	ENG	[0 to 70 / **36** / 1uA/step]

019	Custom Paper 019	ENG	[0 to 70 / **36** / 1uA/step]
020	Custom Paper 020	ENG	[0 to 70 / **36** / 1uA/step]
021	Custom Paper 021	ENG	[0 to 70 / **36** / 1uA/step]
022	Custom Paper 022	ENG	[0 to 70 / **36** / 1uA/step]
023	Custom Paper 023	ENG	[0 to 70 / **36** / 1uA/step]
024	Custom Paper 024	ENG	[0 to 70 / **36** / 1uA/step]
025	Custom Paper 025	ENG	[0 to 70 / **36** / 1uA/step]
026	Custom Paper 026	ENG	[0 to 70 / **36** / 1uA/step]
027	Custom Paper 027	ENG	[0 to 70 / **36** / 1uA/step]
028	Custom Paper 028	ENG	[0 to 70 / **36** / 1uA/step]
029	Custom Paper 029	ENG	[0 to 70 / **36** / 1uA/step]
030	Custom Paper 030	ENG	[0 to 70 / **36** / 1uA/step]
031	Custom Paper 031	ENG	[0 to 70 / **36** / 1uA/step]
032	Custom Paper 032	ENG	[0 to 70 / **36** / 1uA/step]
033	Custom Paper 033	ENG	[0 to 70 / **36** / 1uA/step]
034	Custom Paper 034	ENG	[0 to 70 / **36** / 1uA/step]
035	Custom Paper 035	ENG	[0 to 70 / **36** / 1uA/step]
036	Custom Paper 036	ENG	[0 to 70 / **36** / 1uA/step]
037	Custom Paper 037	ENG	[0 to 70 / **36** / 1uA/step]
038	Custom Paper 038	ENG	[0 to 70 / **36** / 1uA/step]
039	Custom Paper 039	ENG	[0 to 70 / **36** / 1uA/step]
040	Custom Paper 040	ENG	[0 to 70 / **36** / 1uA/step]
041	Custom Paper 041	ENG	[0 to 70 / **36** / 1uA/step]
042	Custom Paper 042	ENG	[0 to 70 / **36** / 1uA/step]
043	Custom Paper 043	ENG	[0 to 70 / **36** / 1uA/step]
044	Custom Paper 044	ENG	[0 to 70 / **36** / 1uA/step]

045	Custom Paper 045	ENG	[0 to 70 / **36** / 1uA/step]
046	Custom Paper 046	ENG	[0 to 70 / **36** / 1uA/step]
047	Custom Paper 047	ENG	[0 to 70 / **36** / 1uA/step]
048	Custom Paper 048	ENG	[0 to 70 / **36** / 1uA/step]
049	Custom Paper 049	ENG	[0 to 70 / **36** / 1uA/step]
050	Custom Paper 050	ENG	[0 to 70 / **36** / 1uA/step]
051	Custom Paper 051	ENG	[0 to 70 / **36** / 1uA/step]
052	Custom Paper 052	ENG	[0 to 70 / **36** / 1uA/step]
053	Custom Paper 053	ENG	[0 to 70 / **36** / 1uA/step]
054	Custom Paper 054	ENG	[0 to 70 / **36** / 1uA/step]
055	Custom Paper 055	ENG	[0 to 70 / **36** / 1uA/step]
056	Custom Paper 056	ENG	[0 to 70 / **36** / 1uA/step]
057	Custom Paper 057	ENG	[0 to 70 / **36** / 1uA/step]
058	Custom Paper 058	ENG	[0 to 70 / **36** / 1uA/step]
059	Custom Paper 059	ENG	[0 to 70 / **36** / 1uA/step]
060	Custom Paper 060	ENG	[0 to 70 / **36** / 1uA/step]
061	Custom Paper 061	ENG	[0 to 70 / **36** / 1uA/step]
062	Custom Paper 062	ENG	[0 to 70 / **36** / 1uA/step]
063	Custom Paper 063	ENG	[0 to 70 / **36** / 1uA/step]
064	Custom Paper 064	ENG	[0 to 70 / **36** / 1uA/step]
065	Custom Paper 065	ENG	[0 to 70 / **36** / 1uA/step]
066	Custom Paper 066	ENG	[0 to 70 / **36** / 1uA/step]
067	Custom Paper 067	ENG	[0 to 70 / **36** / 1uA/step]
068	Custom Paper 068	ENG	[0 to 70 / **36** / 1uA/step]
069	Custom Paper 069	ENG	[0 to 70 / **36** / 1uA/step]
070	Custom Paper 070	ENG	[0 to 70 / **36** / 1uA/step]

071	Custom Paper 071	ENG	[0 to 70 / **36** / 1uA/step]
072	Custom Paper 072	ENG	[0 to 70 / **36** / 1uA/step]
073	Custom Paper 073	ENG	[0 to 70 / **36** / 1uA/step]
074	Custom Paper 074	ENG	[0 to 70 / **36** / 1uA/step]
075	Custom Paper 075	ENG	[0 to 70 / **36** / 1uA/step]
076	Custom Paper 076	ENG	[0 to 70 / **36** / 1uA/step]
077	Custom Paper 077	ENG	[0 to 70 / **36** / 1uA/step]
078	Custom Paper 078	ENG	[0 to 70 / **36** / 1uA/step]
079	Custom Paper 079	ENG	[0 to 70 / **36** / 1uA/step]
080	Custom Paper 080	ENG	[0 to 70 / **36** / 1uA/step]
081	Custom Paper 081	ENG	[0 to 70 / **36** / 1uA/step]
082	Custom Paper 082	ENG	[0 to 70 / **36** / 1uA/step]
083	Custom Paper 083	ENG	[0 to 70 / **36** / 1uA/step]
084	Custom Paper 084	ENG	[0 to 70 / **36** / 1uA/step]
085	Custom Paper 085	ENG	[0 to 70 / **36** / 1uA/step]
086	Custom Paper 086	ENG	[0 to 70 / **36** / 1uA/step]
087	Custom Paper 087	ENG	[0 to 70 / **36** / 1uA/step]
088	Custom Paper 088	ENG	[0 to 70 / **36** / 1uA/step]
089	Custom Paper 089	ENG	[0 to 70 / **36** / 1uA/step]
090	Custom Paper 090	ENG	[0 to 70 / **36** / 1uA/step]
091	Custom Paper 091	ENG	[0 to 70 / **36** / 1uA/step]
092	Custom Paper 092	ENG	[0 to 70 / **36** / 1uA/step]
093	Custom Paper 093	ENG	[0 to 70 / **36** / 1uA/step]
094	Custom Paper 094	ENG	[0 to 70 / **36** / 1uA/step]
095	Custom Paper 095	ENG	[0 to 70 / **36** / 1uA/step]
096	Custom Paper 096	ENG	[0 to 70 / **36** / 1uA/step]

097	Custom Paper 097	ENG	[0 to 70 / **36** / 1uA/step]
098	Custom Paper 098	ENG	[0 to 70 / **36** / 1uA/step]
099	Custom Paper 099	ENG	[0 to 70 / **36** / 1uA/step]
100	Custom Paper 100	ENG	[0 to 70 / **36** / 1uA/step]

2805	**[ITB Bias:Y:FC] *D137/D138 only**		
	Sets ITB Current Standard Value Y for FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 70 / **38** / 1uA/step]
002	Custom Paper 002	ENG	[0 to 70 / **38** / 1uA/step]
003	Custom Paper 003	ENG	[0 to 70 / **38** / 1uA/step]
004	Custom Paper 004	ENG	[0 to 70 / **38** / 1uA/step]
005	Custom Paper 005	ENG	[0 to 70 / **38** / 1uA/step]
006	Custom Paper 006	ENG	[0 to 70 / **38** / 1uA/step]
007	Custom Paper 007	ENG	[0 to 70 / **38** / 1uA/step]
008	Custom Paper 008	ENG	[0 to 70 / **38** / 1uA/step]
009	Custom Paper 009	ENG	[0 to 70 / **38** / 1uA/step]
010	Custom Paper 010	ENG	[0 to 70 / **38** / 1uA/step]
011	Custom Paper 011	ENG	[0 to 70 / **38** / 1uA/step]
012	Custom Paper 012	ENG	[0 to 70 / **38** / 1uA/step]
013	Custom Paper 013	ENG	[0 to 70 / **38** / 1uA/step]
014	Custom Paper 014	ENG	[0 to 70 / **38** / 1uA/step]
015	Custom Paper 015	ENG	[0 to 70 / **38** / 1uA/step]
016	Custom Paper 016	ENG	[0 to 70 / **38** / 1uA/step]
017	Custom Paper 017	ENG	[0 to 70 / **38** / 1uA/step]
018	Custom Paper 018	ENG	[0 to 70 / **38** / 1uA/step]
019	Custom Paper 019	ENG	[0 to 70 / **38** / 1uA/step]

020	Custom Paper 020	ENG	[0 to 70 / **38** / 1uA/step]
021	Custom Paper 021	ENG	[0 to 70 / **38** / 1uA/step]
022	Custom Paper 022	ENG	[0 to 70 / **38** / 1uA/step]
023	Custom Paper 023	ENG	[0 to 70 / **38** / 1uA/step]
024	Custom Paper 024	ENG	[0 to 70 / **38** / 1uA/step]
025	Custom Paper 025	ENG	[0 to 70 / **38** / 1uA/step]
026	Custom Paper 026	ENG	[0 to 70 / **38** / 1uA/step]
027	Custom Paper 027	ENG	[0 to 70 / **38** / 1uA/step]
028	Custom Paper 028	ENG	[0 to 70 / **38** / 1uA/step]
029	Custom Paper 029	ENG	[0 to 70 / **38** / 1uA/step]
030	Custom Paper 030	ENG	[0 to 70 / **38** / 1uA/step]
031	Custom Paper 031	ENG	[0 to 70 / **38** / 1uA/step]
032	Custom Paper 032	ENG	[0 to 70 / **38** / 1uA/step]
033	Custom Paper 033	ENG	[0 to 70 / **38** / 1uA/step]
034	Custom Paper 034	ENG	[0 to 70 / **38** / 1uA/step]
035	Custom Paper 035	ENG	[0 to 70 / **38** / 1uA/step]
036	Custom Paper 036	ENG	[0 to 70 / **38** / 1uA/step]
037	Custom Paper 037	ENG	[0 to 70 / **38** / 1uA/step]
038	Custom Paper 038	ENG	[0 to 70 / **38** / 1uA/step]
039	Custom Paper 039	ENG	[0 to 70 / **38** / 1uA/step]
040	Custom Paper 040	ENG	[0 to 70 / **38** / 1uA/step]
041	Custom Paper 041	ENG	[0 to 70 / **38** / 1uA/step]
042	Custom Paper 042	ENG	[0 to 70 / **38** / 1uA/step]
043	Custom Paper 043	ENG	[0 to 70 / **38** / 1uA/step]
044	Custom Paper 044	ENG	[0 to 70 / **38** / 1uA/step]
045	Custom Paper 045	ENG	[0 to 70 / **38** / 1uA/step]

046	Custom Paper 046	ENG	[0 to 70 / **38** / 1uA/step]
047	Custom Paper 047	ENG	[0 to 70 / **38** / 1uA/step]
048	Custom Paper 048	ENG	[0 to 70 / **38** / 1uA/step]
049	Custom Paper 049	ENG	[0 to 70 / **38** / 1uA/step]
050	Custom Paper 050	ENG	[0 to 70 / **38** / 1uA/step]
051	Custom Paper 051	ENG	[0 to 70 / **38** / 1uA/step]
052	Custom Paper 052	ENG	[0 to 70 / **38** / 1uA/step]
053	Custom Paper 053	ENG	[0 to 70 / **38** / 1uA/step]
054	Custom Paper 054	ENG	[0 to 70 / **38** / 1uA/step]
055	Custom Paper 055	ENG	[0 to 70 / **38** / 1uA/step]
056	Custom Paper 056	ENG	[0 to 70 / **38** / 1uA/step]
057	Custom Paper 057	ENG	[0 to 70 / **38** / 1uA/step]
058	Custom Paper 058	ENG	[0 to 70 / **38** / 1uA/step]
059	Custom Paper 059	ENG	[0 to 70 / **38** / 1uA/step]
060	Custom Paper 060	ENG	[0 to 70 / **38** / 1uA/step]
061	Custom Paper 061	ENG	[0 to 70 / **38** / 1uA/step]
062	Custom Paper 062	ENG	[0 to 70 / **38** / 1uA/step]
063	Custom Paper 063	ENG	[0 to 70 / **38** / 1uA/step]
064	Custom Paper 064	ENG	[0 to 70 / **38** / 1uA/step]
065	Custom Paper 065	ENG	[0 to 70 / **38** / 1uA/step]
066	Custom Paper 066	ENG	[0 to 70 / **38** / 1uA/step]
067	Custom Paper 067	ENG	[0 to 70 / **38** / 1uA/step]
068	Custom Paper 068	ENG	[0 to 70 / **38** / 1uA/step]
069	Custom Paper 069	ENG	[0 to 70 / **38** / 1uA/step]
070	Custom Paper 070	ENG	[0 to 70 / **38** / 1uA/step]
071	Custom Paper 071	ENG	[0 to 70 / **38** / 1uA/step]

072	Custom Paper 072	ENG	[0 to 70 / **38** / 1uA/step]
073	Custom Paper 073	ENG	[0 to 70 / **38** / 1uA/step]
074	Custom Paper 074	ENG	[0 to 70 / **38** / 1uA/step]
075	Custom Paper 075	ENG	[0 to 70 / **38** / 1uA/step]
076	Custom Paper 076	ENG	[0 to 70 / **38** / 1uA/step]
077	Custom Paper 077	ENG	[0 to 70 / **38** / 1uA/step]
078	Custom Paper 078	ENG	[0 to 70 / **38** / 1uA/step]
079	Custom Paper 079	ENG	[0 to 70 / **38** / 1uA/step]
080	Custom Paper 080	ENG	[0 to 70 / **38** / 1uA/step]
081	Custom Paper 081	ENG	[0 to 70 / **38** / 1uA/step]
082	Custom Paper 082	ENG	[0 to 70 / **38** / 1uA/step]
083	Custom Paper 083	ENG	[0 to 70 / **38** / 1uA/step]
084	Custom Paper 084	ENG	[0 to 70 / **38** / 1uA/step]
085	Custom Paper 085	ENG	[0 to 70 / **38** / 1uA/step]
086	Custom Paper 086	ENG	[0 to 70 / **38** / 1uA/step]
087	Custom Paper 087	ENG	[0 to 70 / **38** / 1uA/step]
088	Custom Paper 088	ENG	[0 to 70 / **38** / 1uA/step]
089	Custom Paper 089	ENG	[0 to 70 / **38** / 1uA/step]
090	Custom Paper 090	ENG	[0 to 70 / **38** / 1uA/step]
091	Custom Paper 091	ENG	[0 to 70 / **38** / 1uA/step]
092	Custom Paper 092	ENG	[0 to 70 / **38** / 1uA/step]
093	Custom Paper 093	ENG	[0 to 70 / **38** / 1uA/step]
094	Custom Paper 094	ENG	[0 to 70 / **38** / 1uA/step]
095	Custom Paper 095	ENG	[0 to 70 / **38** / 1uA/step]
096	Custom Paper 096	ENG	[0 to 70 / **38** / 1uA/step]
097	Custom Paper 097	ENG	[0 to 70 / **38** / 1uA/step]

098	Custom Paper 098	ENG	[0 to 70 / **38** / 1uA/step]
099	Custom Paper 099	ENG	[0 to 70 / **38** / 1uA/step]
100	Custom Paper 100	ENG	[0 to 70 / **38** / 1uA/step]

2811	**[PTR Bias:BW:Side1] *D137/D138 only**		
	Sets PTR Current Standard Value K for BW Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[-300 to 0 / **-34** / 1uA/step]
002	Custom Paper 002	ENG	[-300 to 0 / **-34** / 1uA/step]
003	Custom Paper 003	ENG	[-300 to 0 / **-34** / 1uA/step]
004	Custom Paper 004	ENG	[-300 to 0 / **-34** / 1uA/step]
005	Custom Paper 005	ENG	[-300 to 0 / **-34** / 1uA/step]
006	Custom Paper 006	ENG	[-300 to 0 / **-34** / 1uA/step]
007	Custom Paper 007	ENG	[-300 to 0 / **-34** / 1uA/step]
008	Custom Paper 008	ENG	[-300 to 0 / **-34** / 1uA/step]
009	Custom Paper 009	ENG	[-300 to 0 / **-34** / 1uA/step]
010	Custom Paper 010	ENG	[-300 to 0 / **-34** / 1uA/step]
011	Custom Paper 011	ENG	[-300 to 0 / **-34** / 1uA/step]
012	Custom Paper 012	ENG	[-300 to 0 / **-34** / 1uA/step]
013	Custom Paper 013	ENG	[-300 to 0 / **-34** / 1uA/step]
014	Custom Paper 014	ENG	[-300 to 0 / **-34** / 1uA/step]
015	Custom Paper 015	ENG	[-300 to 0 / **-34** / 1uA/step]
016	Custom Paper 016	ENG	[-300 to 0 / **-34** / 1uA/step]
017	Custom Paper 017	ENG	[-300 to 0 / **-34** / 1uA/step]
018	Custom Paper 018	ENG	[-300 to 0 / **-34** / 1uA/step]
019	Custom Paper 019	ENG	[-300 to 0 / **-34** / 1uA/step]
020	Custom Paper 020	ENG	[-300 to 0 / **-34** / 1uA/step]

021	Custom Paper 021	ENG	[-300 to 0 / **-34** / 1uA/step]
022	Custom Paper 022	ENG	[-300 to 0 / **-34** / 1uA/step]
023	Custom Paper 023	ENG	[-300 to 0 / **-34** / 1uA/step]
024	Custom Paper 024	ENG	[-300 to 0 / **-34** / 1uA/step]
025	Custom Paper 025	ENG	[-300 to 0 / **-34** / 1uA/step]
026	Custom Paper 026	ENG	[-300 to 0 / **-34** / 1uA/step]
027	Custom Paper 027	ENG	[-300 to 0 / **-34** / 1uA/step]
028	Custom Paper 028	ENG	[-300 to 0 / **-34** / 1uA/step]
029	Custom Paper 029	ENG	[-300 to 0 / **-34** / 1uA/step]
030	Custom Paper 030	ENG	[-300 to 0 / **-34** / 1uA/step]
031	Custom Paper 031	ENG	[-300 to 0 / **-34** / 1uA/step]
032	Custom Paper 032	ENG	[-300 to 0 / **-34** / 1uA/step]
033	Custom Paper 033	ENG	[-300 to 0 / **-34** / 1uA/step]
034	Custom Paper 034	ENG	[-300 to 0 / **-34** / 1uA/step]
035	Custom Paper 035	ENG	[-300 to 0 / **-34** / 1uA/step]
036	Custom Paper 036	ENG	[-300 to 0 / **-34** / 1uA/step]
037	Custom Paper 037	ENG	[-300 to 0 / **-34** / 1uA/step]
038	Custom Paper 038	ENG	[-300 to 0 / **-34** / 1uA/step]
039	Custom Paper 039	ENG	[-300 to 0 / **-34** / 1uA/step]
040	Custom Paper 040	ENG	[-300 to 0 / **-34** / 1uA/step]
041	Custom Paper 041	ENG	[-300 to 0 / **-34** / 1uA/step]
042	Custom Paper 042	ENG	[-300 to 0 / **-34** / 1uA/step]
043	Custom Paper 043	ENG	[-300 to 0 / **-34** / 1uA/step]
044	Custom Paper 044	ENG	[-300 to 0 / **-34** / 1uA/step]
045	Custom Paper 045	ENG	[-300 to 0 / **-34** / 1uA/step]
046	Custom Paper 046	ENG	[-300 to 0 / **-34** / 1uA/step]

047	Custom Paper 047	ENG	[-300 to 0 / **-34** / 1uA/step]
048	Custom Paper 048	ENG	[-300 to 0 / **-34** / 1uA/step]
049	Custom Paper 049	ENG	[-300 to 0 / **-34** / 1uA/step]
050	Custom Paper 050	ENG	[-300 to 0 / **-34** / 1uA/step]
051	Custom Paper 051	ENG	[-300 to 0 / **-34** / 1uA/step]
052	Custom Paper 052	ENG	[-300 to 0 / **-34** / 1uA/step]
053	Custom Paper 053	ENG	[-300 to 0 / **-34** / 1uA/step]
054	Custom Paper 054	ENG	[-300 to 0 / **-34** / 1uA/step]
055	Custom Paper 055	ENG	[-300 to 0 / **-34** / 1uA/step]
056	Custom Paper 056	ENG	[-300 to 0 / **-34** / 1uA/step]
057	Custom Paper 057	ENG	[-300 to 0 / **-34** / 1uA/step]
058	Custom Paper 058	ENG	[-300 to 0 / **-34** / 1uA/step]
059	Custom Paper 059	ENG	[-300 to 0 / **-34** / 1uA/step]
060	Custom Paper 060	ENG	[-300 to 0 / **-34** / 1uA/step]
061	Custom Paper 061	ENG	[-300 to 0 / **-34** / 1uA/step]
062	Custom Paper 062	ENG	[-300 to 0 / **-34** / 1uA/step]
063	Custom Paper 063	ENG	[-300 to 0 / **-34** / 1uA/step]
064	Custom Paper 064	ENG	[-300 to 0 / **-34** / 1uA/step]
065	Custom Paper 065	ENG	[-300 to 0 / **-34** / 1uA/step]
066	Custom Paper 066	ENG	[-300 to 0 / **-34** / 1uA/step]
067	Custom Paper 067	ENG	[-300 to 0 / **-34** / 1uA/step]
068	Custom Paper 068	ENG	[-300 to 0 / **-34** / 1uA/step]
069	Custom Paper 069	ENG	[-300 to 0 / **-34** / 1uA/step]
070	Custom Paper 070	ENG	[-300 to 0 / **-34** / 1uA/step]
071	Custom Paper 071	ENG	[-300 to 0 / **-34** / 1uA/step]
072	Custom Paper 072	ENG	[-300 to 0 / **-34** / 1uA/step]

073	Custom Paper 073	ENG	[-300 to 0 / **-34** / 1uA/step]
074	Custom Paper 074	ENG	[-300 to 0 / **-34** / 1uA/step]
075	Custom Paper 075	ENG	[-300 to 0 / **-34** / 1uA/step]
076	Custom Paper 076	ENG	[-300 to 0 / **-34** / 1uA/step]
077	Custom Paper 077	ENG	[-300 to 0 / **-34** / 1uA/step]
078	Custom Paper 078	ENG	[-300 to 0 / **-34** / 1uA/step]
079	Custom Paper 079	ENG	[-300 to 0 / **-34** / 1uA/step]
080	Custom Paper 080	ENG	[-300 to 0 / **-34** / 1uA/step]
081	Custom Paper 081	ENG	[-300 to 0 / **-34** / 1uA/step]
082	Custom Paper 082	ENG	[-300 to 0 / **-34** / 1uA/step]
083	Custom Paper 083	ENG	[-300 to 0 / **-34** / 1uA/step]
084	Custom Paper 084	ENG	[-300 to 0 / **-34** / 1uA/step]
085	Custom Paper 085	ENG	[-300 to 0 / **-34** / 1uA/step]
086	Custom Paper 086	ENG	[-300 to 0 / **-34** / 1uA/step]
087	Custom Paper 087	ENG	[-300 to 0 / **-34** / 1uA/step]
088	Custom Paper 088	ENG	[-300 to 0 / **-34** / 1uA/step]
089	Custom Paper 089	ENG	[-300 to 0 / **-34** / 1uA/step]
090	Custom Paper 090	ENG	[-300 to 0 / **-34** / 1uA/step]
091	Custom Paper 091	ENG	[-300 to 0 / **-34** / 1uA/step]
092	Custom Paper 092	ENG	[-300 to 0 / **-34** / 1uA/step]
093	Custom Paper 093	ENG	[-300 to 0 / **-34** / 1uA/step]
094	Custom Paper 094	ENG	[-300 to 0 / **-34** / 1uA/step]
095	Custom Paper 095	ENG	[-300 to 0 / **-34** / 1uA/step]
096	Custom Paper 096	ENG	[-300 to 0 / **-34** / 1uA/step]
097	Custom Paper 097	ENG	[-300 to 0 / **-34** / 1uA/step]
098	Custom Paper 098	ENG	[-300 to 0 / **-34** / 1uA/step]

099	Custom Paper 099	ENG	[-300 to 0 / **-34** / 1uA/step]
100	Custom Paper 100	ENG	[-300 to 0 / **-34** / 1uA/step]

2812	**[PTR Bias:BW:Side2] *D137/D138 only**		
	Sets PTR Current Standard Value K for BW Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[-300 to 0 / **-34** / 1uA/step]
002	Custom Paper 002	ENG	[-300 to 0 / **-34** / 1uA/step]
003	Custom Paper 003	ENG	[-300 to 0 / **-34** / 1uA/step]
004	Custom Paper 004	ENG	[-300 to 0 / **-34** / 1uA/step]
005	Custom Paper 005	ENG	[-300 to 0 / **-34** / 1uA/step]
006	Custom Paper 006	ENG	[-300 to 0 / **-34** / 1uA/step]
007	Custom Paper 007	ENG	[-300 to 0 / **-34** / 1uA/step]
008	Custom Paper 008	ENG	[-300 to 0 / **-34** / 1uA/step]
009	Custom Paper 009	ENG	[-300 to 0 / **-34** / 1uA/step]
010	Custom Paper 010	ENG	[-300 to 0 / **-34** / 1uA/step]
011	Custom Paper 011	ENG	[-300 to 0 / **-34** / 1uA/step]
012	Custom Paper 012	ENG	[-300 to 0 / **-34** / 1uA/step]
013	Custom Paper 013	ENG	[-300 to 0 / **-34** / 1uA/step]
014	Custom Paper 014	ENG	[-300 to 0 / **-34** / 1uA/step]
015	Custom Paper 015	ENG	[-300 to 0 / **-34** / 1uA/step]
016	Custom Paper 016	ENG	[-300 to 0 / **-34** / 1uA/step]
017	Custom Paper 017	ENG	[-300 to 0 / **-34** / 1uA/step]
018	Custom Paper 018	ENG	[-300 to 0 / **-34** / 1uA/step]
019	Custom Paper 019	ENG	[-300 to 0 / **-34** / 1uA/step]
020	Custom Paper 020	ENG	[-300 to 0 / **-34** / 1uA/step]
021	Custom Paper 021	ENG	[-300 to 0 / **-34** / 1uA/step]

022	Custom Paper 022	ENG	[-300 to 0 / **-34** / 1uA/step]
023	Custom Paper 023	ENG	[-300 to 0 / **-34** / 1uA/step]
024	Custom Paper 024	ENG	[-300 to 0 / **-34** / 1uA/step]
025	Custom Paper 025	ENG	[-300 to 0 / **-34** / 1uA/step]
026	Custom Paper 026	ENG	[-300 to 0 / **-34** / 1uA/step]
027	Custom Paper 027	ENG	[-300 to 0 / **-34** / 1uA/step]
028	Custom Paper 028	ENG	[-300 to 0 / **-34** / 1uA/step]
029	Custom Paper 029	ENG	[-300 to 0 / **-34** / 1uA/step]
030	Custom Paper 030	ENG	[-300 to 0 / **-34** / 1uA/step]
031	Custom Paper 031	ENG	[-300 to 0 / **-34** / 1uA/step]
032	Custom Paper 032	ENG	[-300 to 0 / **-34** / 1uA/step]
033	Custom Paper 033	ENG	[-300 to 0 / **-34** / 1uA/step]
034	Custom Paper 034	ENG	[-300 to 0 / **-34** / 1uA/step]
035	Custom Paper 035	ENG	[-300 to 0 / **-34** / 1uA/step]
036	Custom Paper 036	ENG	[-300 to 0 / **-34** / 1uA/step]
037	Custom Paper 037	ENG	[-300 to 0 / **-34** / 1uA/step]
038	Custom Paper 038	ENG	[-300 to 0 / **-34** / 1uA/step]
039	Custom Paper 039	ENG	[-300 to 0 / **-34** / 1uA/step]
040	Custom Paper 040	ENG	[-300 to 0 / **-34** / 1uA/step]
041	Custom Paper 041	ENG	[-300 to 0 / **-34** / 1uA/step]
042	Custom Paper 042	ENG	[-300 to 0 / **-34** / 1uA/step]
043	Custom Paper 043	ENG	[-300 to 0 / **-34** / 1uA/step]
044	Custom Paper 044	ENG	[-300 to 0 / **-34** / 1uA/step]
045	Custom Paper 045	ENG	[-300 to 0 / **-34** / 1uA/step]
046	Custom Paper 046	ENG	[-300 to 0 / **-34** / 1uA/step]
047	Custom Paper 047	ENG	[-300 to 0 / **-34** / 1uA/step]

048	Custom Paper 048	ENG	[-300 to 0 / **-34** / 1uA/step]
049	Custom Paper 049	ENG	[-300 to 0 / **-34** / 1uA/step]
050	Custom Paper 050	ENG	[-300 to 0 / **-34** / 1uA/step]
051	Custom Paper 051	ENG	[-300 to 0 / **-34** / 1uA/step]
052	Custom Paper 052	ENG	[-300 to 0 / **-34** / 1uA/step]
053	Custom Paper 053	ENG	[-300 to 0 / **-34** / 1uA/step]
054	Custom Paper 054	ENG	[-300 to 0 / **-34** / 1uA/step]
055	Custom Paper 055	ENG	[-300 to 0 / **-34** / 1uA/step]
056	Custom Paper 056	ENG	[-300 to 0 / **-34** / 1uA/step]
057	Custom Paper 057	ENG	[-300 to 0 / **-34** / 1uA/step]
058	Custom Paper 058	ENG	[-300 to 0 / **-34** / 1uA/step]
059	Custom Paper 059	ENG	[-300 to 0 / **-34** / 1uA/step]
060	Custom Paper 060	ENG	[-300 to 0 / **-34** / 1uA/step]
061	Custom Paper 061	ENG	[-300 to 0 / **-34** / 1uA/step]
062	Custom Paper 062	ENG	[-300 to 0 / **-34** / 1uA/step]
063	Custom Paper 063	ENG	[-300 to 0 / **-34** / 1uA/step]
064	Custom Paper 064	ENG	[-300 to 0 / **-34** / 1uA/step]
065	Custom Paper 065	ENG	[-300 to 0 / **-34** / 1uA/step]
066	Custom Paper 066	ENG	[-300 to 0 / **-34** / 1uA/step]
067	Custom Paper 067	ENG	[-300 to 0 / **-34** / 1uA/step]
068	Custom Paper 068	ENG	[-300 to 0 / **-34** / 1uA/step]
069	Custom Paper 069	ENG	[-300 to 0 / **-34** / 1uA/step]
070	Custom Paper 070	ENG	[-300 to 0 / **-34** / 1uA/step]
071	Custom Paper 071	ENG	[-300 to 0 / **-34** / 1uA/step]
072	Custom Paper 072	ENG	[-300 to 0 / **-34** / 1uA/step]
073	Custom Paper 073	ENG	[-300 to 0 / **-34** / 1uA/step]

074	Custom Paper 074	ENG	[-300 to 0 / **-34** / 1uA/step]
075	Custom Paper 075	ENG	[-300 to 0 / **-34** / 1uA/step]
076	Custom Paper 076	ENG	[-300 to 0 / **-34** / 1uA/step]
077	Custom Paper 077	ENG	[-300 to 0 / **-34** / 1uA/step]
078	Custom Paper 078	ENG	[-300 to 0 / **-34** / 1uA/step]
079	Custom Paper 079	ENG	[-300 to 0 / **-34** / 1uA/step]
080	Custom Paper 080	ENG	[-300 to 0 / **-34** / 1uA/step]
081	Custom Paper 081	ENG	[-300 to 0 / **-34** / 1uA/step]
082	Custom Paper 082	ENG	[-300 to 0 / **-34** / 1uA/step]
083	Custom Paper 083	ENG	[-300 to 0 / **-34** / 1uA/step]
084	Custom Paper 084	ENG	[-300 to 0 / **-34** / 1uA/step]
085	Custom Paper 085	ENG	[-300 to 0 / **-34** / 1uA/step]
086	Custom Paper 086	ENG	[-300 to 0 / **-34** / 1uA/step]
087	Custom Paper 087	ENG	[-300 to 0 / **-34** / 1uA/step]
088	Custom Paper 088	ENG	[-300 to 0 / **-34** / 1uA/step]
089	Custom Paper 089	ENG	[-300 to 0 / **-34** / 1uA/step]
090	Custom Paper 090	ENG	[-300 to 0 / **-34** / 1uA/step]
091	Custom Paper 091	ENG	[-300 to 0 / **-34** / 1uA/step]
092	Custom Paper 092	ENG	[-300 to 0 / **-34** / 1uA/step]
093	Custom Paper 093	ENG	[-300 to 0 / **-34** / 1uA/step]
094	Custom Paper 094	ENG	[-300 to 0 / **-34** / 1uA/step]
095	Custom Paper 095	ENG	[-300 to 0 / **-34** / 1uA/step]
096	Custom Paper 096	ENG	[-300 to 0 / **-34** / 1uA/step]
097	Custom Paper 097	ENG	[-300 to 0 / **-34** / 1uA/step]
098	Custom Paper 098	ENG	[-300 to 0 / **-34** / 1uA/step]
099	Custom Paper 099	ENG	[-300 to 0 / **-34** / 1uA/step]

100	Custom Paper 100	ENG	[-300 to 0 / **-34** / 1uA/step]

4.3 SP2-813 TO 843 (DRUM)

2813	**[PTR Bias:FC:Side1] *D137/D138 only**		
	Sets PTR Current Standard Value K for FC Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[-300 to 0 / **-52** / 1uA/step]
002	Custom Paper 002	ENG	[-300 to 0 / **-52** / 1uA/step]
003	Custom Paper 003	ENG	[-300 to 0 / **-52** / 1uA/step]
004	Custom Paper 004	ENG	[-300 to 0 / **-52** / 1uA/step]
005	Custom Paper 005	ENG	[-300 to 0 / **-52** / 1uA/step]
006	Custom Paper 006	ENG	[-300 to 0 / **-52** / 1uA/step]
007	Custom Paper 007	ENG	[-300 to 0 / **-52** / 1uA/step]
008	Custom Paper 008	ENG	[-300 to 0 / **-52** / 1uA/step]
009	Custom Paper 009	ENG	[-300 to 0 / **-52** / 1uA/step]
010	Custom Paper 010	ENG	[-300 to 0 / **-52** / 1uA/step]
011	Custom Paper 011	ENG	[-300 to 0 / **-52** / 1uA/step]
012	Custom Paper 012	ENG	[-300 to 0 / **-52** / 1uA/step]
013	Custom Paper 013	ENG	[-300 to 0 / **-52** / 1uA/step]
014	Custom Paper 014	ENG	[-300 to 0 / **-52** / 1uA/step]
015	Custom Paper 015	ENG	[-300 to 0 / **-52** / 1uA/step]
016	Custom Paper 016	ENG	[-300 to 0 / **-52** / 1uA/step]
017	Custom Paper 017	ENG	[-300 to 0 / **-52** / 1uA/step]
018	Custom Paper 018	ENG	[-300 to 0 / **-52** / 1uA/step]
019	Custom Paper 019	ENG	[-300 to 0 / **-52** / 1uA/step]
020	Custom Paper 020	ENG	[-300 to 0 / **-52** / 1uA/step]
021	Custom Paper 021	ENG	[-300 to 0 / **-52** / 1uA/step]

022	Custom Paper 022	ENG	[-300 to 0 / **-52** / 1uA/step]
023	Custom Paper 023	ENG	[-300 to 0 / **-52** / 1uA/step]
024	Custom Paper 024	ENG	[-300 to 0 / **-52** / 1uA/step]
025	Custom Paper 025	ENG	[-300 to 0 / **-52** / 1uA/step]
026	Custom Paper 026	ENG	[-300 to 0 / **-52** / 1uA/step]
027	Custom Paper 027	ENG	[-300 to 0 / **-52** / 1uA/step]
028	Custom Paper 028	ENG	[-300 to 0 / **-52** / 1uA/step]
029	Custom Paper 029	ENG	[-300 to 0 / **-52** / 1uA/step]
030	Custom Paper 030	ENG	[-300 to 0 / **-52** / 1uA/step]
031	Custom Paper 031	ENG	[-300 to 0 / **-52** / 1uA/step]
032	Custom Paper 032	ENG	[-300 to 0 / **-52** / 1uA/step]
033	Custom Paper 033	ENG	[-300 to 0 / **-52** / 1uA/step]
034	Custom Paper 034	ENG	[-300 to 0 / **-52** / 1uA/step]
035	Custom Paper 035	ENG	[-300 to 0 / **-52** / 1uA/step]
036	Custom Paper 036	ENG	[-300 to 0 / **-52** / 1uA/step]
037	Custom Paper 037	ENG	[-300 to 0 / **-52** / 1uA/step]
038	Custom Paper 038	ENG	[-300 to 0 / **-52** / 1uA/step]
039	Custom Paper 039	ENG	[-300 to 0 / **-52** / 1uA/step]
040	Custom Paper 040	ENG	[-300 to 0 / **-52** / 1uA/step]
041	Custom Paper 041	ENG	[-300 to 0 / **-52** / 1uA/step]
042	Custom Paper 042	ENG	[-300 to 0 / **-52** / 1uA/step]
043	Custom Paper 043	ENG	[-300 to 0 / **-52** / 1uA/step]
044	Custom Paper 044	ENG	[-300 to 0 / **-52** / 1uA/step]
045	Custom Paper 045	ENG	[-300 to 0 / **-52** / 1uA/step]
046	Custom Paper 046	ENG	[-300 to 0 / **-52** / 1uA/step]
047	Custom Paper 047	ENG	[-300 to 0 / **-52** / 1uA/step]

048	Custom Paper 048	ENG	[-300 to 0 / **-52** / 1uA/step]
049	Custom Paper 049	ENG	[-300 to 0 / **-52** / 1uA/step]
050	Custom Paper 050	ENG	[-300 to 0 / **-52** / 1uA/step]
051	Custom Paper 051	ENG	[-300 to 0 / **-52** / 1uA/step]
052	Custom Paper 052	ENG	[-300 to 0 / **-52** / 1uA/step]
053	Custom Paper 053	ENG	[-300 to 0 / **-52** / 1uA/step]
054	Custom Paper 054	ENG	[-300 to 0 / **-52** / 1uA/step]
055	Custom Paper 055	ENG	[-300 to 0 / **-52** / 1uA/step]
056	Custom Paper 056	ENG	[-300 to 0 / **-52** / 1uA/step]
057	Custom Paper 057	ENG	[-300 to 0 / **-52** / 1uA/step]
058	Custom Paper 058	ENG	[-300 to 0 / **-52** / 1uA/step]
059	Custom Paper 059	ENG	[-300 to 0 / **-52** / 1uA/step]
060	Custom Paper 060	ENG	[-300 to 0 / **-52** / 1uA/step]
061	Custom Paper 061	ENG	[-300 to 0 / **-52** / 1uA/step]
062	Custom Paper 062	ENG	[-300 to 0 / **-52** / 1uA/step]
063	Custom Paper 063	ENG	[-300 to 0 / **-52** / 1uA/step]
064	Custom Paper 064	ENG	[-300 to 0 / **-52** / 1uA/step]
065	Custom Paper 065	ENG	[-300 to 0 / **-52** / 1uA/step]
066	Custom Paper 066	ENG	[-300 to 0 / **-52** / 1uA/step]
067	Custom Paper 067	ENG	[-300 to 0 / **-52** / 1uA/step]
068	Custom Paper 068	ENG	[-300 to 0 / **-52** / 1uA/step]
069	Custom Paper 069	ENG	[-300 to 0 / **-52** / 1uA/step]
070	Custom Paper 070	ENG	[-300 to 0 / **-52** / 1uA/step]
071	Custom Paper 071	ENG	[-300 to 0 / **-52** / 1uA/step]
072	Custom Paper 072	ENG	[-300 to 0 / **-52** / 1uA/step]
073	Custom Paper 073	ENG	[-300 to 0 / **-52** / 1uA/step]

074	Custom Paper 074	ENG	[-300 to 0 / **-52** / 1uA/step]
075	Custom Paper 075	ENG	[-300 to 0 / **-52** / 1uA/step]
076	Custom Paper 076	ENG	[-300 to 0 / **-52** / 1uA/step]
077	Custom Paper 077	ENG	[-300 to 0 / **-52** / 1uA/step]
078	Custom Paper 078	ENG	[-300 to 0 / **-52** / 1uA/step]
079	Custom Paper 079	ENG	[-300 to 0 / **-52** / 1uA/step]
080	Custom Paper 080	ENG	[-300 to 0 / **-52** / 1uA/step]
081	Custom Paper 081	ENG	[-300 to 0 / **-52** / 1uA/step]
082	Custom Paper 082	ENG	[-300 to 0 / **-52** / 1uA/step]
083	Custom Paper 083	ENG	[-300 to 0 / **-52** / 1uA/step]
084	Custom Paper 084	ENG	[-300 to 0 / **-52** / 1uA/step]
085	Custom Paper 085	ENG	[-300 to 0 / **-52** / 1uA/step]
086	Custom Paper 086	ENG	[-300 to 0 / **-52** / 1uA/step]
087	Custom Paper 087	ENG	[-300 to 0 / **-52** / 1uA/step]
088	Custom Paper 088	ENG	[-300 to 0 / **-52** / 1uA/step]
089	Custom Paper 089	ENG	[-300 to 0 / **-52** / 1uA/step]
090	Custom Paper 090	ENG	[-300 to 0 / **-52** / 1uA/step]
091	Custom Paper 091	ENG	[-300 to 0 / **-52** / 1uA/step]
092	Custom Paper 092	ENG	[-300 to 0 / **-52** / 1uA/step]
093	Custom Paper 093	ENG	[-300 to 0 / **-52** / 1uA/step]
094	Custom Paper 094	ENG	[-300 to 0 / **-52** / 1uA/step]
095	Custom Paper 095	ENG	[-300 to 0 / **-52** / 1uA/step]
096	Custom Paper 096	ENG	[-300 to 0 / **-52** / 1uA/step]
097	Custom Paper 097	ENG	[-300 to 0 / **-52** / 1uA/step]
098	Custom Paper 098	ENG	[-300 to 0 / **-52** / 1uA/step]
099	Custom Paper 099	ENG	[-300 to 0 / **-52** / 1uA/step]

100	Custom Paper 100	ENG	[-300 to 0 / **-52** / 1uA/step]

2814	**[PTR Bias:FC:Side2] *D137/D138 only**		
	Sets PTR Current Standard Value K for FC Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[-300 to 0 / **-52** / 1uA/step]
002	Custom Paper 002	ENG	[-300 to 0 / **-52** / 1uA/step]
003	Custom Paper 003	ENG	[-300 to 0 / **-52** / 1uA/step]
004	Custom Paper 004	ENG	[-300 to 0 / **-52** / 1uA/step]
005	Custom Paper 005	ENG	[-300 to 0 / **-52** / 1uA/step]
006	Custom Paper 006	ENG	[-300 to 0 / **-52** / 1uA/step]
007	Custom Paper 007	ENG	[-300 to 0 / **-52** / 1uA/step]
008	Custom Paper 008	ENG	[-300 to 0 / **-52** / 1uA/step]
009	Custom Paper 009	ENG	[-300 to 0 / **-52** / 1uA/step]
010	Custom Paper 010	ENG	[-300 to 0 / **-52** / 1uA/step]
011	Custom Paper 011	ENG	[-300 to 0 / **-52** / 1uA/step]
012	Custom Paper 012	ENG	[-300 to 0 / **-52** / 1uA/step]
013	Custom Paper 013	ENG	[-300 to 0 / **-52** / 1uA/step]
014	Custom Paper 014	ENG	[-300 to 0 / **-52** / 1uA/step]
015	Custom Paper 015	ENG	[-300 to 0 / **-52** / 1uA/step]
016	Custom Paper 016	ENG	[-300 to 0 / **-52** / 1uA/step]
017	Custom Paper 017	ENG	[-300 to 0 / **-52** / 1uA/step]
018	Custom Paper 018	ENG	[-300 to 0 / **-52** / 1uA/step]
019	Custom Paper 019	ENG	[-300 to 0 / **-52** / 1uA/step]
020	Custom Paper 020	ENG	[-300 to 0 / **-52** / 1uA/step]
021	Custom Paper 021	ENG	[-300 to 0 / **-52** / 1uA/step]
022	Custom Paper 022	ENG	[-300 to 0 / **-52** / 1uA/step]

023	Custom Paper 023	ENG	[-300 to 0 / **-52** / 1uA/step]
024	Custom Paper 024	ENG	[-300 to 0 / **-52** / 1uA/step]
025	Custom Paper 025	ENG	[-300 to 0 / **-52** / 1uA/step]
026	Custom Paper 026	ENG	[-300 to 0 / **-52** / 1uA/step]
027	Custom Paper 027	ENG	[-300 to 0 / **-52** / 1uA/step]
028	Custom Paper 028	ENG	[-300 to 0 / **-52** / 1uA/step]
029	Custom Paper 029	ENG	[-300 to 0 / **-52** / 1uA/step]
030	Custom Paper 030	ENG	[-300 to 0 / **-52** / 1uA/step]
031	Custom Paper 031	ENG	[-300 to 0 / **-52** / 1uA/step]
032	Custom Paper 032	ENG	[-300 to 0 / **-52** / 1uA/step]
033	Custom Paper 033	ENG	[-300 to 0 / **-52** / 1uA/step]
034	Custom Paper 034	ENG	[-300 to 0 / **-52** / 1uA/step]
035	Custom Paper 035	ENG	[-300 to 0 / **-52** / 1uA/step]
036	Custom Paper 036	ENG	[-300 to 0 / **-52** / 1uA/step]
037	Custom Paper 037	ENG	[-300 to 0 / **-52** / 1uA/step]
038	Custom Paper 038	ENG	[-300 to 0 / **-52** / 1uA/step]
039	Custom Paper 039	ENG	[-300 to 0 / **-52** / 1uA/step]
040	Custom Paper 040	ENG	[-300 to 0 / **-52** / 1uA/step]
041	Custom Paper 041	ENG	[-300 to 0 / **-52** / 1uA/step]
042	Custom Paper 042	ENG	[-300 to 0 / **-52** / 1uA/step]
043	Custom Paper 043	ENG	[-300 to 0 / **-52** / 1uA/step]
044	Custom Paper 044	ENG	[-300 to 0 / **-52** / 1uA/step]
045	Custom Paper 045	ENG	[-300 to 0 / **-52** / 1uA/step]
046	Custom Paper 046	ENG	[-300 to 0 / **-52** / 1uA/step]
047	Custom Paper 047	ENG	[-300 to 0 / **-52** / 1uA/step]
048	Custom Paper 048	ENG	[-300 to 0 / **-52** / 1uA/step]

049	Custom Paper 049	ENG	[-300 to 0 / **-52** / 1uA/step]
050	Custom Paper 050	ENG	[-300 to 0 / **-52** / 1uA/step]
051	Custom Paper 051	ENG	[-300 to 0 / **-52** / 1uA/step]
052	Custom Paper 052	ENG	[-300 to 0 / **-52** / 1uA/step]
053	Custom Paper 053	ENG	[-300 to 0 / **-52** / 1uA/step]
054	Custom Paper 054	ENG	[-300 to 0 / **-52** / 1uA/step]
055	Custom Paper 055	ENG	[-300 to 0 / **-52** / 1uA/step]
056	Custom Paper 056	ENG	[-300 to 0 / **-52** / 1uA/step]
057	Custom Paper 057	ENG	[-300 to 0 / **-52** / 1uA/step]
058	Custom Paper 058	ENG	[-300 to 0 / **-52** / 1uA/step]
059	Custom Paper 059	ENG	[-300 to 0 / **-52** / 1uA/step]
060	Custom Paper 060	ENG	[-300 to 0 / **-52** / 1uA/step]
061	Custom Paper 061	ENG	[-300 to 0 / **-52** / 1uA/step]
062	Custom Paper 062	ENG	[-300 to 0 / **-52** / 1uA/step]
063	Custom Paper 063	ENG	[-300 to 0 / **-52** / 1uA/step]
064	Custom Paper 064	ENG	[-300 to 0 / **-52** / 1uA/step]
065	Custom Paper 065	ENG	[-300 to 0 / **-52** / 1uA/step]
066	Custom Paper 066	ENG	[-300 to 0 / **-52** / 1uA/step]
067	Custom Paper 067	ENG	[-300 to 0 / **-52** / 1uA/step]
068	Custom Paper 068	ENG	[-300 to 0 / **-52** / 1uA/step]
069	Custom Paper 069	ENG	[-300 to 0 / **-52** / 1uA/step]
070	Custom Paper 070	ENG	[-300 to 0 / **-52** / 1uA/step]
071	Custom Paper 071	ENG	[-300 to 0 / **-52** / 1uA/step]
072	Custom Paper 072	ENG	[-300 to 0 / **-52** / 1uA/step]
073	Custom Paper 073	ENG	[-300 to 0 / **-52** / 1uA/step]
074	Custom Paper 074	ENG	[-300 to 0 / **-52** / 1uA/step]

075	Custom Paper 075	ENG	[-300 to 0 / **-52** / 1uA/step]
076	Custom Paper 076	ENG	[-300 to 0 / **-52** / 1uA/step]
077	Custom Paper 077	ENG	[-300 to 0 / **-52** / 1uA/step]
078	Custom Paper 078	ENG	[-300 to 0 / **-52** / 1uA/step]
079	Custom Paper 079	ENG	[-300 to 0 / **-52** / 1uA/step]
080	Custom Paper 080	ENG	[-300 to 0 / **-52** / 1uA/step]
081	Custom Paper 081	ENG	[-300 to 0 / **-52** / 1uA/step]
082	Custom Paper 082	ENG	[-300 to 0 / **-52** / 1uA/step]
083	Custom Paper 083	ENG	[-300 to 0 / **-52** / 1uA/step]
084	Custom Paper 084	ENG	[-300 to 0 / **-52** / 1uA/step]
085	Custom Paper 085	ENG	[-300 to 0 / **-52** / 1uA/step]
086	Custom Paper 086	ENG	[-300 to 0 / **-52** / 1uA/step]
087	Custom Paper 087	ENG	[-300 to 0 / **-52** / 1uA/step]
088	Custom Paper 088	ENG	[-300 to 0 / **-52** / 1uA/step]
089	Custom Paper 089	ENG	[-300 to 0 / **-52** / 1uA/step]
090	Custom Paper 090	ENG	[-300 to 0 / **-52** / 1uA/step]
091	Custom Paper 091	ENG	[-300 to 0 / **-52** / 1uA/step]
092	Custom Paper 092	ENG	[-300 to 0 / **-52** / 1uA/step]
093	Custom Paper 093	ENG	[-300 to 0 / **-52** / 1uA/step]
094	Custom Paper 094	ENG	[-300 to 0 / **-52** / 1uA/step]
095	Custom Paper 095	ENG	[-300 to 0 / **-52** / 1uA/step]
096	Custom Paper 096	ENG	[-300 to 0 / **-52** / 1uA/step]
097	Custom Paper 097	ENG	[-300 to 0 / **-52** / 1uA/step]
098	Custom Paper 098	ENG	[-300 to 0 / **-52** / 1uA/step]
099	Custom Paper 099	ENG	[-300 to 0 / **-52** / 1uA/step]
100	Custom Paper 100	ENG	[-300 to 0 / **-52** / 1uA/step]

2821	**[LEdge Coeff:BW] *D137/D138 only**		
	Sets PTR Current Correction Coefficient for Image Leading Edge in BW Mode for Custom Paper.		
001	Custom Paper 001	ENG	[5 to 300 / **100** / 1%/step]
002	Custom Paper 002	ENG	[5 to 300 / **100** / 1%/step]
003	Custom Paper 003	ENG	[5 to 300 / **100** / 1%/step]
004	Custom Paper 004	ENG	[5 to 300 / **100** / 1%/step]
005	Custom Paper 005	ENG	[5 to 300 / **100** / 1%/step]
006	Custom Paper 006	ENG	[5 to 300 / **100** / 1%/step]
007	Custom Paper 007	ENG	[5 to 300 / **100** / 1%/step]
008	Custom Paper 008	ENG	[5 to 300 / **100** / 1%/step]
009	Custom Paper 009	ENG	[5 to 300 / **100** / 1%/step]
010	Custom Paper 010	ENG	[5 to 300 / **100** / 1%/step]
011	Custom Paper 011	ENG	[5 to 300 / **100** / 1%/step]
012	Custom Paper 012	ENG	[5 to 300 / **100** / 1%/step]
013	Custom Paper 013	ENG	[5 to 300 / **100** / 1%/step]
014	Custom Paper 014	ENG	[5 to 300 / **100** / 1%/step]
015	Custom Paper 015	ENG	[5 to 300 / **100** / 1%/step]
016	Custom Paper 016	ENG	[5 to 300 / **100** / 1%/step]
017	Custom Paper 017	ENG	[5 to 300 / **100** / 1%/step]
018	Custom Paper 018	ENG	[5 to 300 / **100** / 1%/step]
019	Custom Paper 019	ENG	[5 to 300 / **100** / 1%/step]
020	Custom Paper 020	ENG	[5 to 300 / **100** / 1%/step]
021	Custom Paper 021	ENG	[5 to 300 / **100** / 1%/step]
022	Custom Paper 022	ENG	[5 to 300 / **100** / 1%/step]

023	Custom Paper 023	ENG	[5 to 300 / **100** / 1%/step]
024	Custom Paper 024	ENG	[5 to 300 / **100** / 1%/step]
025	Custom Paper 025	ENG	[5 to 300 / **100** / 1%/step]
026	Custom Paper 026	ENG	[5 to 300 / **100** / 1%/step]
027	Custom Paper 027	ENG	[5 to 300 / **100** / 1%/step]
028	Custom Paper 028	ENG	[5 to 300 / **100** / 1%/step]
029	Custom Paper 029	ENG	[5 to 300 / **100** / 1%/step]
030	Custom Paper 030	ENG	[5 to 300 / **100** / 1%/step]
031	Custom Paper 031	ENG	[5 to 300 / **100** / 1%/step]
032	Custom Paper 032	ENG	[5 to 300 / **100** / 1%/step]
033	Custom Paper 033	ENG	[5 to 300 / **100** / 1%/step]
034	Custom Paper 034	ENG	[5 to 300 / **100** / 1%/step]
035	Custom Paper 035	ENG	[5 to 300 / **100** / 1%/step]
036	Custom Paper 036	ENG	[5 to 300 / **100** / 1%/step]
037	Custom Paper 037	ENG	[5 to 300 / **100** / 1%/step]
038	Custom Paper 038	ENG	[5 to 300 / **100** / 1%/step]
039	Custom Paper 039	ENG	[5 to 300 / **100** / 1%/step]
040	Custom Paper 040	ENG	[5 to 300 / **100** / 1%/step]
041	Custom Paper 041	ENG	[5 to 300 / **100** / 1%/step]
042	Custom Paper 042	ENG	[5 to 300 / **100** / 1%/step]
043	Custom Paper 043	ENG	[5 to 300 / **100** / 1%/step]
044	Custom Paper 044	ENG	[5 to 300 / **100** / 1%/step]
045	Custom Paper 045	ENG	[5 to 300 / **100** / 1%/step]
046	Custom Paper 046	ENG	[5 to 300 / **100** / 1%/step]
047	Custom Paper 047	ENG	[5 to 300 / **100** / 1%/step]
048	Custom Paper 048	ENG	[5 to 300 / **100** / 1%/step]

049	Custom Paper 049	ENG	[5 to 300 / **100** / 1%/step]
050	Custom Paper 050	ENG	[5 to 300 / **100** / 1%/step]
051	Custom Paper 051	ENG	[5 to 300 / **100** / 1%/step]
052	Custom Paper 052	ENG	[5 to 300 / **100** / 1%/step]
053	Custom Paper 053	ENG	[5 to 300 / **100** / 1%/step]
054	Custom Paper 054	ENG	[5 to 300 / **100** / 1%/step]
055	Custom Paper 055	ENG	[5 to 300 / **100** / 1%/step]
056	Custom Paper 056	ENG	[5 to 300 / **100** / 1%/step]
057	Custom Paper 057	ENG	[5 to 300 / **100** / 1%/step]
058	Custom Paper 058	ENG	[5 to 300 / **100** / 1%/step]
059	Custom Paper 059	ENG	[5 to 300 / **100** / 1%/step]
060	Custom Paper 060	ENG	[5 to 300 / **100** / 1%/step]
061	Custom Paper 061	ENG	[5 to 300 / **100** / 1%/step]
062	Custom Paper 062	ENG	[5 to 300 / **100** / 1%/step]
063	Custom Paper 063	ENG	[5 to 300 / **100** / 1%/step]
064	Custom Paper 064	ENG	[5 to 300 / **100** / 1%/step]
065	Custom Paper 065	ENG	[5 to 300 / **100** / 1%/step]
066	Custom Paper 066	ENG	[5 to 300 / **100** / 1%/step]
067	Custom Paper 067	ENG	[5 to 300 / **100** / 1%/step]
068	Custom Paper 068	ENG	[5 to 300 / **100** / 1%/step]
069	Custom Paper 069	ENG	[5 to 300 / **100** / 1%/step]
070	Custom Paper 070	ENG	[5 to 300 / **100** / 1%/step]
071	Custom Paper 071	ENG	[5 to 300 / **100** / 1%/step]
072	Custom Paper 072	ENG	[5 to 300 / **100** / 1%/step]
073	Custom Paper 073	ENG	[5 to 300 / **100** / 1%/step]
074	Custom Paper 074	ENG	[5 to 300 / **100** / 1%/step]

075	Custom Paper 075	ENG	[5 to 300 / **100** / 1%/step]
076	Custom Paper 076	ENG	[5 to 300 / **100** / 1%/step]
077	Custom Paper 077	ENG	[5 to 300 / **100** / 1%/step]
078	Custom Paper 078	ENG	[5 to 300 / **100** / 1%/step]
079	Custom Paper 079	ENG	[5 to 300 / **100** / 1%/step]
080	Custom Paper 080	ENG	[5 to 300 / **100** / 1%/step]
081	Custom Paper 081	ENG	[5 to 300 / **100** / 1%/step]
082	Custom Paper 082	ENG	[5 to 300 / **100** / 1%/step]
083	Custom Paper 083	ENG	[5 to 300 / **100** / 1%/step]
084	Custom Paper 084	ENG	[5 to 300 / **100** / 1%/step]
085	Custom Paper 085	ENG	[5 to 300 / **100** / 1%/step]
086	Custom Paper 086	ENG	[5 to 300 / **100** / 1%/step]
087	Custom Paper 087	ENG	[5 to 300 / **100** / 1%/step]
088	Custom Paper 088	ENG	[5 to 300 / **100** / 1%/step]
089	Custom Paper 089	ENG	[5 to 300 / **100** / 1%/step]
090	Custom Paper 090	ENG	[5 to 300 / **100** / 1%/step]
091	Custom Paper 091	ENG	[5 to 300 / **100** / 1%/step]
092	Custom Paper 092	ENG	[5 to 300 / **100** / 1%/step]
093	Custom Paper 093	ENG	[5 to 300 / **100** / 1%/step]
094	Custom Paper 094	ENG	[5 to 300 / **100** / 1%/step]
095	Custom Paper 095	ENG	[5 to 300 / **100** / 1%/step]
096	Custom Paper 096	ENG	[5 to 300 / **100** / 1%/step]
097	Custom Paper 097	ENG	[5 to 300 / **100** / 1%/step]
098	Custom Paper 098	ENG	[5 to 300 / **100** / 1%/step]
099	Custom Paper 099	ENG	[5 to 300 / **100** / 1%/step]
100	Custom Paper 100	ENG	[5 to 300 / **100** / 1%/step]

2822	**[LEdge Coeff:FC] *D137/D138 only**		
	Sets PTR Current Correction Coefficient for Image Leading Edge in FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[5 to 300 / **100** / 1%/step]
002	Custom Paper 002	ENG	[5 to 300 / **100** / 1%/step]
003	Custom Paper 003	ENG	[5 to 300 / **100** / 1%/step]
004	Custom Paper 004	ENG	[5 to 300 / **100** / 1%/step]
005	Custom Paper 005	ENG	[5 to 300 / **100** / 1%/step]
006	Custom Paper 006	ENG	[5 to 300 / **100** / 1%/step]
007	Custom Paper 007	ENG	[5 to 300 / **100** / 1%/step]
008	Custom Paper 008	ENG	[5 to 300 / **100** / 1%/step]
009	Custom Paper 009	ENG	[5 to 300 / **100** / 1%/step]
010	Custom Paper 010	ENG	[5 to 300 / **100** / 1%/step]
011	Custom Paper 011	ENG	[5 to 300 / **100** / 1%/step]
012	Custom Paper 012	ENG	[5 to 300 / **100** / 1%/step]
013	Custom Paper 013	ENG	[5 to 300 / **100** / 1%/step]
014	Custom Paper 014	ENG	[5 to 300 / **100** / 1%/step]
015	Custom Paper 015	ENG	[5 to 300 / **100** / 1%/step]
016	Custom Paper 016	ENG	[5 to 300 / **100** / 1%/step]
017	Custom Paper 017	ENG	[5 to 300 / **100** / 1%/step]
018	Custom Paper 018	ENG	[5 to 300 / **100** / 1%/step]
019	Custom Paper 019	ENG	[5 to 300 / **100** / 1%/step]
020	Custom Paper 020	ENG	[5 to 300 / **100** / 1%/step]
021	Custom Paper 021	ENG	[5 to 300 / **100** / 1%/step]
022	Custom Paper 022	ENG	[5 to 300 / **100** / 1%/step]

023	Custom Paper 023	ENG	[5 to 300 / **100** / 1%/step]
024	Custom Paper 024	ENG	[5 to 300 / **100** / 1%/step]
025	Custom Paper 025	ENG	[5 to 300 / **100** / 1%/step]
026	Custom Paper 026	ENG	[5 to 300 / **100** / 1%/step]
027	Custom Paper 027	ENG	[5 to 300 / **100** / 1%/step]
028	Custom Paper 028	ENG	[5 to 300 / **100** / 1%/step]
029	Custom Paper 029	ENG	[5 to 300 / **100** / 1%/step]
030	Custom Paper 030	ENG	[5 to 300 / **100** / 1%/step]
031	Custom Paper 031	ENG	[5 to 300 / **100** / 1%/step]
032	Custom Paper 032	ENG	[5 to 300 / **100** / 1%/step]
033	Custom Paper 033	ENG	[5 to 300 / **100** / 1%/step]
034	Custom Paper 034	ENG	[5 to 300 / **100** / 1%/step]
035	Custom Paper 035	ENG	[5 to 300 / **100** / 1%/step]
036	Custom Paper 036	ENG	[5 to 300 / **100** / 1%/step]
037	Custom Paper 037	ENG	[5 to 300 / **100** / 1%/step]
038	Custom Paper 038	ENG	[5 to 300 / **100** / 1%/step]
039	Custom Paper 039	ENG	[5 to 300 / **100** / 1%/step]
040	Custom Paper 040	ENG	[5 to 300 / **100** / 1%/step]
041	Custom Paper 041	ENG	[5 to 300 / **100** / 1%/step]
042	Custom Paper 042	ENG	[5 to 300 / **100** / 1%/step]
043	Custom Paper 043	ENG	[5 to 300 / **100** / 1%/step]
044	Custom Paper 044	ENG	[5 to 300 / **100** / 1%/step]
045	Custom Paper 045	ENG	[5 to 300 / **100** / 1%/step]
046	Custom Paper 046	ENG	[5 to 300 / **100** / 1%/step]
047	Custom Paper 047	ENG	[5 to 300 / **100** / 1%/step]
048	Custom Paper 048	ENG	[5 to 300 / **100** / 1%/step]

049	Custom Paper 049	ENG	[5 to 300 / **100** / 1%/step]
050	Custom Paper 050	ENG	[5 to 300 / **100** / 1%/step]
051	Custom Paper 051	ENG	[5 to 300 / **100** / 1%/step]
052	Custom Paper 052	ENG	[5 to 300 / **100** / 1%/step]
053	Custom Paper 053	ENG	[5 to 300 / **100** / 1%/step]
054	Custom Paper 054	ENG	[5 to 300 / **100** / 1%/step]
055	Custom Paper 055	ENG	[5 to 300 / **100** / 1%/step]
056	Custom Paper 056	ENG	[5 to 300 / **100** / 1%/step]
057	Custom Paper 057	ENG	[5 to 300 / **100** / 1%/step]
058	Custom Paper 058	ENG	[5 to 300 / **100** / 1%/step]
059	Custom Paper 059	ENG	[5 to 300 / **100** / 1%/step]
060	Custom Paper 060	ENG	[5 to 300 / **100** / 1%/step]
061	Custom Paper 061	ENG	[5 to 300 / **100** / 1%/step]
062	Custom Paper 062	ENG	[5 to 300 / **100** / 1%/step]
063	Custom Paper 063	ENG	[5 to 300 / **100** / 1%/step]
064	Custom Paper 064	ENG	[5 to 300 / **100** / 1%/step]
065	Custom Paper 065	ENG	[5 to 300 / **100** / 1%/step]
066	Custom Paper 066	ENG	[5 to 300 / **100** / 1%/step]
067	Custom Paper 067	ENG	[5 to 300 / **100** / 1%/step]
068	Custom Paper 068	ENG	[5 to 300 / **100** / 1%/step]
069	Custom Paper 069	ENG	[5 to 300 / **100** / 1%/step]
070	Custom Paper 070	ENG	[5 to 300 / **100** / 1%/step]
071	Custom Paper 071	ENG	[5 to 300 / **100** / 1%/step]
072	Custom Paper 072	ENG	[5 to 300 / **100** / 1%/step]
073	Custom Paper 073	ENG	[5 to 300 / **100** / 1%/step]
074	Custom Paper 074	ENG	[5 to 300 / **100** / 1%/step]

075	Custom Paper 075	ENG	[5 to 300 / **100** / 1%/step]
076	Custom Paper 076	ENG	[5 to 300 / **100** / 1%/step]
077	Custom Paper 077	ENG	[5 to 300 / **100** / 1%/step]
078	Custom Paper 078	ENG	[5 to 300 / **100** / 1%/step]
079	Custom Paper 079	ENG	[5 to 300 / **100** / 1%/step]
080	Custom Paper 080	ENG	[5 to 300 / **100** / 1%/step]
081	Custom Paper 081	ENG	[5 to 300 / **100** / 1%/step]
082	Custom Paper 082	ENG	[5 to 300 / **100** / 1%/step]
083	Custom Paper 083	ENG	[5 to 300 / **100** / 1%/step]
084	Custom Paper 084	ENG	[5 to 300 / **100** / 1%/step]
085	Custom Paper 085	ENG	[5 to 300 / **100** / 1%/step]
086	Custom Paper 086	ENG	[5 to 300 / **100** / 1%/step]
087	Custom Paper 087	ENG	[5 to 300 / **100** / 1%/step]
088	Custom Paper 088	ENG	[5 to 300 / **100** / 1%/step]
089	Custom Paper 089	ENG	[5 to 300 / **100** / 1%/step]
090	Custom Paper 090	ENG	[5 to 300 / **100** / 1%/step]
091	Custom Paper 091	ENG	[5 to 300 / **100** / 1%/step]
092	Custom Paper 092	ENG	[5 to 300 / **100** / 1%/step]
093	Custom Paper 093	ENG	[5 to 300 / **100** / 1%/step]
094	Custom Paper 094	ENG	[5 to 300 / **100** / 1%/step]
095	Custom Paper 095	ENG	[5 to 300 / **100** / 1%/step]
096	Custom Paper 096	ENG	[5 to 300 / **100** / 1%/step]
097	Custom Paper 097	ENG	[5 to 300 / **100** / 1%/step]
098	Custom Paper 098	ENG	[5 to 300 / **100** / 1%/step]
099	Custom Paper 099	ENG	[5 to 300 / **100** / 1%/step]
100	Custom Paper 100	ENG	[5 to 300 / **100** / 1%/step]

2823	**[LEdge Length:BW] *D137/D138 only**		
	Sets PTR Current Correction Length for Image Leading Edge in BW Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 30 / **5** / 1mm/step]
002	Custom Paper 002	ENG	[0 to 30 / **5** / 1mm/step]
003	Custom Paper 003	ENG	[0 to 30 / **5** / 1mm/step]
004	Custom Paper 004	ENG	[0 to 30 / **5** / 1mm/step]
005	Custom Paper 005	ENG	[0 to 30 / **5** / 1mm/step]
006	Custom Paper 006	ENG	[0 to 30 / **5** / 1mm/step]
007	Custom Paper 007	ENG	[0 to 30 / **5** / 1mm/step]
008	Custom Paper 008	ENG	[0 to 30 / **5** / 1mm/step]
009	Custom Paper 009	ENG	[0 to 30 / **5** / 1mm/step]
010	Custom Paper 010	ENG	[0 to 30 / **5** / 1mm/step]
011	Custom Paper 011	ENG	[0 to 30 / **5** / 1mm/step]
012	Custom Paper 012	ENG	[0 to 30 / **5** / 1mm/step]
013	Custom Paper 013	ENG	[0 to 30 / **5** / 1mm/step]
014	Custom Paper 014	ENG	[0 to 30 / **5** / 1mm/step]
015	Custom Paper 015	ENG	[0 to 30 / **5** / 1mm/step]
016	Custom Paper 016	ENG	[0 to 30 / **5** / 1mm/step]
017	Custom Paper 017	ENG	[0 to 30 / **5** / 1mm/step]
018	Custom Paper 018	ENG	[0 to 30 / **5** / 1mm/step]
019	Custom Paper 019	ENG	[0 to 30 / **5** / 1mm/step]
020	Custom Paper 020	ENG	[0 to 30 / **5** / 1mm/step]
021	Custom Paper 021	ENG	[0 to 30 / **5** / 1mm/step]
022	Custom Paper 022	ENG	[0 to 30 / **5** / 1mm/step]

023	Custom Paper 023	ENG	[0 to 30 / **5** / 1mm/step]
024	Custom Paper 024	ENG	[0 to 30 / **5** / 1mm/step]
025	Custom Paper 025	ENG	[0 to 30 / **5** / 1mm/step]
026	Custom Paper 026	ENG	[0 to 30 / **5** / 1mm/step]
027	Custom Paper 027	ENG	[0 to 30 / **5** / 1mm/step]
028	Custom Paper 028	ENG	[0 to 30 / **5** / 1mm/step]
029	Custom Paper 029	ENG	[0 to 30 / **5** / 1mm/step]
030	Custom Paper 030	ENG	[0 to 30 / **5** / 1mm/step]
031	Custom Paper 031	ENG	[0 to 30 / **5** / 1mm/step]
032	Custom Paper 032	ENG	[0 to 30 / **5** / 1mm/step]
033	Custom Paper 033	ENG	[0 to 30 / **5** / 1mm/step]
034	Custom Paper 034	ENG	[0 to 30 / **5** / 1mm/step]
035	Custom Paper 035	ENG	[0 to 30 / **5** / 1mm/step]
036	Custom Paper 036	ENG	[0 to 30 / **5** / 1mm/step]
037	Custom Paper 037	ENG	[0 to 30 / **5** / 1mm/step]
038	Custom Paper 038	ENG	[0 to 30 / **5** / 1mm/step]
039	Custom Paper 039	ENG	[0 to 30 / **5** / 1mm/step]
040	Custom Paper 040	ENG	[0 to 30 / **5** / 1mm/step]
041	Custom Paper 041	ENG	[0 to 30 / **5** / 1mm/step]
042	Custom Paper 042	ENG	[0 to 30 / **5** / 1mm/step]
043	Custom Paper 043	ENG	[0 to 30 / **5** / 1mm/step]
044	Custom Paper 044	ENG	[0 to 30 / **5** / 1mm/step]
045	Custom Paper 045	ENG	[0 to 30 / **5** / 1mm/step]
046	Custom Paper 046	ENG	[0 to 30 / **5** / 1mm/step]
047	Custom Paper 047	ENG	[0 to 30 / **5** / 1mm/step]
048	Custom Paper 048	ENG	[0 to 30 / **5** / 1mm/step]

049	Custom Paper 049	ENG	[0 to 30 / **5** / 1mm/step]
050	Custom Paper 050	ENG	[0 to 30 / **5** / 1mm/step]
051	Custom Paper 051	ENG	[0 to 30 / **5** / 1mm/step]
052	Custom Paper 052	ENG	[0 to 30 / **5** / 1mm/step]
053	Custom Paper 053	ENG	[0 to 30 / **5** / 1mm/step]
054	Custom Paper 054	ENG	[0 to 30 / **5** / 1mm/step]
055	Custom Paper 055	ENG	[0 to 30 / **5** / 1mm/step]
056	Custom Paper 056	ENG	[0 to 30 / **5** / 1mm/step]
057	Custom Paper 057	ENG	[0 to 30 / **5** / 1mm/step]
058	Custom Paper 058	ENG	[0 to 30 / **5** / 1mm/step]
059	Custom Paper 059	ENG	[0 to 30 / **5** / 1mm/step]
060	Custom Paper 060	ENG	[0 to 30 / **5** / 1mm/step]
061	Custom Paper 061	ENG	[0 to 30 / **5** / 1mm/step]
062	Custom Paper 062	ENG	[0 to 30 / **5** / 1mm/step]
063	Custom Paper 063	ENG	[0 to 30 / **5** / 1mm/step]
064	Custom Paper 064	ENG	[0 to 30 / **5** / 1mm/step]
065	Custom Paper 065	ENG	[0 to 30 / **5** / 1mm/step]
066	Custom Paper 066	ENG	[0 to 30 / **5** / 1mm/step]
067	Custom Paper 067	ENG	[0 to 30 / **5** / 1mm/step]
068	Custom Paper 068	ENG	[0 to 30 / **5** / 1mm/step]
069	Custom Paper 069	ENG	[0 to 30 / **5** / 1mm/step]
070	Custom Paper 070	ENG	[0 to 30 / **5** / 1mm/step]
071	Custom Paper 071	ENG	[0 to 30 / **5** / 1mm/step]
072	Custom Paper 072	ENG	[0 to 30 / **5** / 1mm/step]
073	Custom Paper 073	ENG	[0 to 30 / **5** / 1mm/step]
074	Custom Paper 074	ENG	[0 to 30 / **5** / 1mm/step]

075	Custom Paper 075	ENG	[0 to 30 / **5** / 1mm/step]
076	Custom Paper 076	ENG	[0 to 30 / **5** / 1mm/step]
077	Custom Paper 077	ENG	[0 to 30 / **5** / 1mm/step]
078	Custom Paper 078	ENG	[0 to 30 / **5** / 1mm/step]
079	Custom Paper 079	ENG	[0 to 30 / **5** / 1mm/step]
080	Custom Paper 080	ENG	[0 to 30 / **5** / 1mm/step]
081	Custom Paper 081	ENG	[0 to 30 / **5** / 1mm/step]
082	Custom Paper 082	ENG	[0 to 30 / **5** / 1mm/step]
083	Custom Paper 083	ENG	[0 to 30 / **5** / 1mm/step]
084	Custom Paper 084	ENG	[0 to 30 / **5** / 1mm/step]
085	Custom Paper 085	ENG	[0 to 30 / **5** / 1mm/step]
086	Custom Paper 086	ENG	[0 to 30 / **5** / 1mm/step]
087	Custom Paper 087	ENG	[0 to 30 / **5** / 1mm/step]
088	Custom Paper 088	ENG	[0 to 30 / **5** / 1mm/step]
089	Custom Paper 089	ENG	[0 to 30 / **5** / 1mm/step]
090	Custom Paper 090	ENG	[0 to 30 / **5** / 1mm/step]
091	Custom Paper 091	ENG	[0 to 30 / **5** / 1mm/step]
092	Custom Paper 092	ENG	[0 to 30 / **5** / 1mm/step]
093	Custom Paper 093	ENG	[0 to 30 / **5** / 1mm/step]
094	Custom Paper 094	ENG	[0 to 30 / **5** / 1mm/step]
095	Custom Paper 095	ENG	[0 to 30 / **5** / 1mm/step]
096	Custom Paper 096	ENG	[0 to 30 / **5** / 1mm/step]
097	Custom Paper 097	ENG	[0 to 30 / **5** / 1mm/step]
098	Custom Paper 098	ENG	[0 to 30 / **5** / 1mm/step]
099	Custom Paper 099	ENG	[0 to 30 / **5** / 1mm/step]
100	Custom Paper 100	ENG	[0 to 30 / **5** / 1mm/step]

2824	**[LEdge Length:FC] *D137/D138 only**		
	Sets PTR Current Correction Length for Image Leading Edge in FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 30 / **5** / 1mm/step]
002	Custom Paper 002	ENG	[0 to 30 / **5** / 1mm/step]
003	Custom Paper 003	ENG	[0 to 30 / **5** / 1mm/step]
004	Custom Paper 004	ENG	[0 to 30 / **5** / 1mm/step]
005	Custom Paper 005	ENG	[0 to 30 / **5** / 1mm/step]
006	Custom Paper 006	ENG	[0 to 30 / **5** / 1mm/step]
007	Custom Paper 007	ENG	[0 to 30 / **5** / 1mm/step]
008	Custom Paper 008	ENG	[0 to 30 / **5** / 1mm/step]
009	Custom Paper 009	ENG	[0 to 30 / **5** / 1mm/step]
010	Custom Paper 010	ENG	[0 to 30 / **5** / 1mm/step]
011	Custom Paper 011	ENG	[0 to 30 / **5** / 1mm/step]
012	Custom Paper 012	ENG	[0 to 30 / **5** / 1mm/step]
013	Custom Paper 013	ENG	[0 to 30 / **5** / 1mm/step]
014	Custom Paper 014	ENG	[0 to 30 / **5** / 1mm/step]
015	Custom Paper 015	ENG	[0 to 30 / **5** / 1mm/step]
016	Custom Paper 016	ENG	[0 to 30 / **5** / 1mm/step]
017	Custom Paper 017	ENG	[0 to 30 / **5** / 1mm/step]
018	Custom Paper 018	ENG	[0 to 30 / **5** / 1mm/step]
019	Custom Paper 019	ENG	[0 to 30 / **5** / 1mm/step]
020	Custom Paper 020	ENG	[0 to 30 / **5** / 1mm/step]
021	Custom Paper 021	ENG	[0 to 30 / **5** / 1mm/step]
022	Custom Paper 022	ENG	[0 to 30 / **5** / 1mm/step]

023	Custom Paper 023	ENG	[0 to 30 / **5** / 1mm/step]
024	Custom Paper 024	ENG	[0 to 30 / **5** / 1mm/step]
025	Custom Paper 025	ENG	[0 to 30 / **5** / 1mm/step]
026	Custom Paper 026	ENG	[0 to 30 / **5** / 1mm/step]
027	Custom Paper 027	ENG	[0 to 30 / **5** / 1mm/step]
028	Custom Paper 028	ENG	[0 to 30 / **5** / 1mm/step]
029	Custom Paper 029	ENG	[0 to 30 / **5** / 1mm/step]
030	Custom Paper 030	ENG	[0 to 30 / **5** / 1mm/step]
031	Custom Paper 031	ENG	[0 to 30 / **5** / 1mm/step]
032	Custom Paper 032	ENG	[0 to 30 / **5** / 1mm/step]
033	Custom Paper 033	ENG	[0 to 30 / **5** / 1mm/step]
034	Custom Paper 034	ENG	[0 to 30 / **5** / 1mm/step]
035	Custom Paper 035	ENG	[0 to 30 / **5** / 1mm/step]
036	Custom Paper 036	ENG	[0 to 30 / **5** / 1mm/step]
037	Custom Paper 037	ENG	[0 to 30 / **5** / 1mm/step]
038	Custom Paper 038	ENG	[0 to 30 / **5** / 1mm/step]
039	Custom Paper 039	ENG	[0 to 30 / **5** / 1mm/step]
040	Custom Paper 040	ENG	[0 to 30 / **5** / 1mm/step]
041	Custom Paper 041	ENG	[0 to 30 / **5** / 1mm/step]
042	Custom Paper 042	ENG	[0 to 30 / **5** / 1mm/step]
043	Custom Paper 043	ENG	[0 to 30 / **5** / 1mm/step]
044	Custom Paper 044	ENG	[0 to 30 / **5** / 1mm/step]
045	Custom Paper 045	ENG	[0 to 30 / **5** / 1mm/step]
046	Custom Paper 046	ENG	[0 to 30 / **5** / 1mm/step]
047	Custom Paper 047	ENG	[0 to 30 / **5** / 1mm/step]
048	Custom Paper 048	ENG	[0 to 30 / **5** / 1mm/step]

049	Custom Paper 049	ENG	[0 to 30 / **5** / 1mm/step]
050	Custom Paper 050	ENG	[0 to 30 / **5** / 1mm/step]
051	Custom Paper 051	ENG	[0 to 30 / **5** / 1mm/step]
052	Custom Paper 052	ENG	[0 to 30 / **5** / 1mm/step]
053	Custom Paper 053	ENG	[0 to 30 / **5** / 1mm/step]
054	Custom Paper 054	ENG	[0 to 30 / **5** / 1mm/step]
055	Custom Paper 055	ENG	[0 to 30 / **5** / 1mm/step]
056	Custom Paper 056	ENG	[0 to 30 / **5** / 1mm/step]
057	Custom Paper 057	ENG	[0 to 30 / **5** / 1mm/step]
058	Custom Paper 058	ENG	[0 to 30 / **5** / 1mm/step]
059	Custom Paper 059	ENG	[0 to 30 / **5** / 1mm/step]
060	Custom Paper 060	ENG	[0 to 30 / **5** / 1mm/step]
061	Custom Paper 061	ENG	[0 to 30 / **5** / 1mm/step]
062	Custom Paper 062	ENG	[0 to 30 / **5** / 1mm/step]
063	Custom Paper 063	ENG	[0 to 30 / **5** / 1mm/step]
064	Custom Paper 064	ENG	[0 to 30 / **5** / 1mm/step]
065	Custom Paper 065	ENG	[0 to 30 / **5** / 1mm/step]
066	Custom Paper 066	ENG	[0 to 30 / **5** / 1mm/step]
067	Custom Paper 067	ENG	[0 to 30 / **5** / 1mm/step]
068	Custom Paper 068	ENG	[0 to 30 / **5** / 1mm/step]
069	Custom Paper 069	ENG	[0 to 30 / **5** / 1mm/step]
070	Custom Paper 070	ENG	[0 to 30 / **5** / 1mm/step]
071	Custom Paper 071	ENG	[0 to 30 / **5** / 1mm/step]
072	Custom Paper 072	ENG	[0 to 30 / **5** / 1mm/step]
073	Custom Paper 073	ENG	[0 to 30 / **5** / 1mm/step]
074	Custom Paper 074	ENG	[0 to 30 / **5** / 1mm/step]

075	Custom Paper 075	ENG	[0 to 30 / **5** / 1mm/step]
076	Custom Paper 076	ENG	[0 to 30 / **5** / 1mm/step]
077	Custom Paper 077	ENG	[0 to 30 / **5** / 1mm/step]
078	Custom Paper 078	ENG	[0 to 30 / **5** / 1mm/step]
079	Custom Paper 079	ENG	[0 to 30 / **5** / 1mm/step]
080	Custom Paper 080	ENG	[0 to 30 / **5** / 1mm/step]
081	Custom Paper 081	ENG	[0 to 30 / **5** / 1mm/step]
082	Custom Paper 082	ENG	[0 to 30 / **5** / 1mm/step]
083	Custom Paper 083	ENG	[0 to 30 / **5** / 1mm/step]
084	Custom Paper 084	ENG	[0 to 30 / **5** / 1mm/step]
085	Custom Paper 085	ENG	[0 to 30 / **5** / 1mm/step]
086	Custom Paper 086	ENG	[0 to 30 / **5** / 1mm/step]
087	Custom Paper 087	ENG	[0 to 30 / **5** / 1mm/step]
088	Custom Paper 088	ENG	[0 to 30 / **5** / 1mm/step]
089	Custom Paper 089	ENG	[0 to 30 / **5** / 1mm/step]
090	Custom Paper 090	ENG	[0 to 30 / **5** / 1mm/step]
091	Custom Paper 091	ENG	[0 to 30 / **5** / 1mm/step]
092	Custom Paper 092	ENG	[0 to 30 / **5** / 1mm/step]
093	Custom Paper 093	ENG	[0 to 30 / **5** / 1mm/step]
094	Custom Paper 094	ENG	[0 to 30 / **5** / 1mm/step]
095	Custom Paper 095	ENG	[0 to 30 / **5** / 1mm/step]
096	Custom Paper 096	ENG	[0 to 30 / **5** / 1mm/step]
097	Custom Paper 097	ENG	[0 to 30 / **5** / 1mm/step]
098	Custom Paper 098	ENG	[0 to 30 / **5** / 1mm/step]
099	Custom Paper 099	ENG	[0 to 30 / **5** / 1mm/step]
100	Custom Paper 100	ENG	[0 to 30 / **5** / 1mm/step]

2825	**[TEdge Coeff:BW] *D137/D138 only**		
	Sets PTR Current Correction Coefficient for Image Trailing Edge in BW Mode for Custom Paper.		
001	Custom Paper 001	ENG	[5 to 300 / **100** / 1%/step]
002	Custom Paper 002	ENG	[5 to 300 / **100** / 1%/step]
003	Custom Paper 003	ENG	[5 to 300 / **100** / 1%/step]
004	Custom Paper 004	ENG	[5 to 300 / **100** / 1%/step]
005	Custom Paper 005	ENG	[5 to 300 / **100** / 1%/step]
006	Custom Paper 006	ENG	[5 to 300 / **100** / 1%/step]
007	Custom Paper 007	ENG	[5 to 300 / **100** / 1%/step]
008	Custom Paper 008	ENG	[5 to 300 / **100** / 1%/step]
009	Custom Paper 009	ENG	[5 to 300 / **100** / 1%/step]
010	Custom Paper 010	ENG	[5 to 300 / **100** / 1%/step]
011	Custom Paper 011	ENG	[5 to 300 / **100** / 1%/step]
012	Custom Paper 012	ENG	[5 to 300 / **100** / 1%/step]
013	Custom Paper 013	ENG	[5 to 300 / **100** / 1%/step]
014	Custom Paper 014	ENG	[5 to 300 / **100** / 1%/step]
015	Custom Paper 015	ENG	[5 to 300 / **100** / 1%/step]
016	Custom Paper 016	ENG	[5 to 300 / **100** / 1%/step]
017	Custom Paper 017	ENG	[5 to 300 / **100** / 1%/step]
018	Custom Paper 018	ENG	[5 to 300 / **100** / 1%/step]
019	Custom Paper 019	ENG	[5 to 300 / **100** / 1%/step]
020	Custom Paper 020	ENG	[5 to 300 / **100** / 1%/step]
021	Custom Paper 021	ENG	[5 to 300 / **100** / 1%/step]
022	Custom Paper 022	ENG	[5 to 300 / **100** / 1%/step]

023	Custom Paper 023	ENG	[5 to 300 / **100** / 1%/step]
024	Custom Paper 024	ENG	[5 to 300 / **100** / 1%/step]
025	Custom Paper 025	ENG	[5 to 300 / **100** / 1%/step]
026	Custom Paper 026	ENG	[5 to 300 / **100** / 1%/step]
027	Custom Paper 027	ENG	[5 to 300 / **100** / 1%/step]
028	Custom Paper 028	ENG	[5 to 300 / **100** / 1%/step]
029	Custom Paper 029	ENG	[5 to 300 / **100** / 1%/step]
030	Custom Paper 030	ENG	[5 to 300 / **100** / 1%/step]
031	Custom Paper 031	ENG	[5 to 300 / **100** / 1%/step]
032	Custom Paper 032	ENG	[5 to 300 / **100** / 1%/step]
033	Custom Paper 033	ENG	[5 to 300 / **100** / 1%/step]
034	Custom Paper 034	ENG	[5 to 300 / **100** / 1%/step]
035	Custom Paper 035	ENG	[5 to 300 / **100** / 1%/step]
036	Custom Paper 036	ENG	[5 to 300 / **100** / 1%/step]
037	Custom Paper 037	ENG	[5 to 300 / **100** / 1%/step]
038	Custom Paper 038	ENG	[5 to 300 / **100** / 1%/step]
039	Custom Paper 039	ENG	[5 to 300 / **100** / 1%/step]
040	Custom Paper 040	ENG	[5 to 300 / **100** / 1%/step]
041	Custom Paper 041	ENG	[5 to 300 / **100** / 1%/step]
042	Custom Paper 042	ENG	[5 to 300 / **100** / 1%/step]
043	Custom Paper 043	ENG	[5 to 300 / **100** / 1%/step]
044	Custom Paper 044	ENG	[5 to 300 / **100** / 1%/step]
045	Custom Paper 045	ENG	[5 to 300 / **100** / 1%/step]
046	Custom Paper 046	ENG	[5 to 300 / **100** / 1%/step]
047	Custom Paper 047	ENG	[5 to 300 / **100** / 1%/step]
048	Custom Paper 048	ENG	[5 to 300 / **100** / 1%/step]

049	Custom Paper 049	ENG	[5 to 300 / **100** / 1%/step]
050	Custom Paper 050	ENG	[5 to 300 / **100** / 1%/step]
051	Custom Paper 051	ENG	[5 to 300 / **100** / 1%/step]
052	Custom Paper 052	ENG	[5 to 300 / **100** / 1%/step]
053	Custom Paper 053	ENG	[5 to 300 / **100** / 1%/step]
054	Custom Paper 054	ENG	[5 to 300 / **100** / 1%/step]
055	Custom Paper 055	ENG	[5 to 300 / **100** / 1%/step]
056	Custom Paper 056	ENG	[5 to 300 / **100** / 1%/step]
057	Custom Paper 057	ENG	[5 to 300 / **100** / 1%/step]
058	Custom Paper 058	ENG	[5 to 300 / **100** / 1%/step]
059	Custom Paper 059	ENG	[5 to 300 / **100** / 1%/step]
060	Custom Paper 060	ENG	[5 to 300 / **100** / 1%/step]
061	Custom Paper 061	ENG	[5 to 300 / **100** / 1%/step]
062	Custom Paper 062	ENG	[5 to 300 / **100** / 1%/step]
063	Custom Paper 063	ENG	[5 to 300 / **100** / 1%/step]
064	Custom Paper 064	ENG	[5 to 300 / **100** / 1%/step]
065	Custom Paper 065	ENG	[5 to 300 / **100** / 1%/step]
066	Custom Paper 066	ENG	[5 to 300 / **100** / 1%/step]
067	Custom Paper 067	ENG	[5 to 300 / **100** / 1%/step]
068	Custom Paper 068	ENG	[5 to 300 / **100** / 1%/step]
069	Custom Paper 069	ENG	[5 to 300 / **100** / 1%/step]
070	Custom Paper 070	ENG	[5 to 300 / **100** / 1%/step]
071	Custom Paper 071	ENG	[5 to 300 / **100** / 1%/step]
072	Custom Paper 072	ENG	[5 to 300 / **100** / 1%/step]
073	Custom Paper 073	ENG	[5 to 300 / **100** / 1%/step]
074	Custom Paper 074	ENG	[5 to 300 / **100** / 1%/step]

075	Custom Paper 075	ENG	[5 to 300 / **100** / 1%/step]
076	Custom Paper 076	ENG	[5 to 300 / **100** / 1%/step]
077	Custom Paper 077	ENG	[5 to 300 / **100** / 1%/step]
078	Custom Paper 078	ENG	[5 to 300 / **100** / 1%/step]
079	Custom Paper 079	ENG	[5 to 300 / **100** / 1%/step]
080	Custom Paper 080	ENG	[5 to 300 / **100** / 1%/step]
081	Custom Paper 081	ENG	[5 to 300 / **100** / 1%/step]
082	Custom Paper 082	ENG	[5 to 300 / **100** / 1%/step]
083	Custom Paper 083	ENG	[5 to 300 / **100** / 1%/step]
084	Custom Paper 084	ENG	[5 to 300 / **100** / 1%/step]
085	Custom Paper 085	ENG	[5 to 300 / **100** / 1%/step]
086	Custom Paper 086	ENG	[5 to 300 / **100** / 1%/step]
087	Custom Paper 087	ENG	[5 to 300 / **100** / 1%/step]
088	Custom Paper 088	ENG	[5 to 300 / **100** / 1%/step]
089	Custom Paper 089	ENG	[5 to 300 / **100** / 1%/step]
090	Custom Paper 090	ENG	[5 to 300 / **100** / 1%/step]
091	Custom Paper 091	ENG	[5 to 300 / **100** / 1%/step]
092	Custom Paper 092	ENG	[5 to 300 / **100** / 1%/step]
093	Custom Paper 093	ENG	[5 to 300 / **100** / 1%/step]
094	Custom Paper 094	ENG	[5 to 300 / **100** / 1%/step]
095	Custom Paper 095	ENG	[5 to 300 / **100** / 1%/step]
096	Custom Paper 096	ENG	[5 to 300 / **100** / 1%/step]
097	Custom Paper 097	ENG	[5 to 300 / **100** / 1%/step]
098	Custom Paper 098	ENG	[5 to 300 / **100** / 1%/step]
099	Custom Paper 099	ENG	[5 to 300 / **100** / 1%/step]
100	Custom Paper 100	ENG	[5 to 300 / **100** / 1%/step]

2826	**[TEdge Coeff:FC] *D137/D138 only**		
	Sets PTR Current Correction Coefficient for Image Trailing Edge in FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[5 to 300 / **100** / 1%/step]
002	Custom Paper 002	ENG	[5 to 300 / **100** / 1%/step]
003	Custom Paper 003	ENG	[5 to 300 / **100** / 1%/step]
004	Custom Paper 004	ENG	[5 to 300 / **100** / 1%/step]
005	Custom Paper 005	ENG	[5 to 300 / **100** / 1%/step]
006	Custom Paper 006	ENG	[5 to 300 / **100** / 1%/step]
007	Custom Paper 007	ENG	[5 to 300 / **100** / 1%/step]
008	Custom Paper 008	ENG	[5 to 300 / **100** / 1%/step]
009	Custom Paper 009	ENG	[5 to 300 / **100** / 1%/step]
010	Custom Paper 010	ENG	[5 to 300 / **100** / 1%/step]
011	Custom Paper 011	ENG	[5 to 300 / **100** / 1%/step]
012	Custom Paper 012	ENG	[5 to 300 / **100** / 1%/step]
013	Custom Paper 013	ENG	[5 to 300 / **100** / 1%/step]
014	Custom Paper 014	ENG	[5 to 300 / **100** / 1%/step]
015	Custom Paper 015	ENG	[5 to 300 / **100** / 1%/step]
016	Custom Paper 016	ENG	[5 to 300 / **100** / 1%/step]
017	Custom Paper 017	ENG	[5 to 300 / **100** / 1%/step]
018	Custom Paper 018	ENG	[5 to 300 / **100** / 1%/step]
019	Custom Paper 019	ENG	[5 to 300 / **100** / 1%/step]
020	Custom Paper 020	ENG	[5 to 300 / **100** / 1%/step]
021	Custom Paper 021	ENG	[5 to 300 / **100** / 1%/step]
022	Custom Paper 022	ENG	[5 to 300 / **100** / 1%/step]

023	Custom Paper 023	ENG	[5 to 300 / **100** / 1%/step]
024	Custom Paper 024	ENG	[5 to 300 / **100** / 1%/step]
025	Custom Paper 025	ENG	[5 to 300 / **100** / 1%/step]
026	Custom Paper 026	ENG	[5 to 300 / **100** / 1%/step]
027	Custom Paper 027	ENG	[5 to 300 / **100** / 1%/step]
028	Custom Paper 028	ENG	[5 to 300 / **100** / 1%/step]
029	Custom Paper 029	ENG	[5 to 300 / **100** / 1%/step]
030	Custom Paper 030	ENG	[5 to 300 / **100** / 1%/step]
031	Custom Paper 031	ENG	[5 to 300 / **100** / 1%/step]
032	Custom Paper 032	ENG	[5 to 300 / **100** / 1%/step]
033	Custom Paper 033	ENG	[5 to 300 / **100** / 1%/step]
034	Custom Paper 034	ENG	[5 to 300 / **100** / 1%/step]
035	Custom Paper 035	ENG	[5 to 300 / **100** / 1%/step]
036	Custom Paper 036	ENG	[5 to 300 / **100** / 1%/step]
037	Custom Paper 037	ENG	[5 to 300 / **100** / 1%/step]
038	Custom Paper 038	ENG	[5 to 300 / **100** / 1%/step]
039	Custom Paper 039	ENG	[5 to 300 / **100** / 1%/step]
040	Custom Paper 040	ENG	[5 to 300 / **100** / 1%/step]
041	Custom Paper 041	ENG	[5 to 300 / **100** / 1%/step]
042	Custom Paper 042	ENG	[5 to 300 / **100** / 1%/step]
043	Custom Paper 043	ENG	[5 to 300 / **100** / 1%/step]
044	Custom Paper 044	ENG	[5 to 300 / **100** / 1%/step]
045	Custom Paper 045	ENG	[5 to 300 / **100** / 1%/step]
046	Custom Paper 046	ENG	[5 to 300 / **100** / 1%/step]
047	Custom Paper 047	ENG	[5 to 300 / **100** / 1%/step]
048	Custom Paper 048	ENG	[5 to 300 / **100** / 1%/step]

049	Custom Paper 049	ENG	[5 to 300 / **100** / 1%/step]
050	Custom Paper 050	ENG	[5 to 300 / **100** / 1%/step]
051	Custom Paper 051	ENG	[5 to 300 / **100** / 1%/step]
052	Custom Paper 052	ENG	[5 to 300 / **100** / 1%/step]
053	Custom Paper 053	ENG	[5 to 300 / **100** / 1%/step]
054	Custom Paper 054	ENG	[5 to 300 / **100** / 1%/step]
055	Custom Paper 055	ENG	[5 to 300 / **100** / 1%/step]
056	Custom Paper 056	ENG	[5 to 300 / **100** / 1%/step]
057	Custom Paper 057	ENG	[5 to 300 / **100** / 1%/step]
058	Custom Paper 058	ENG	[5 to 300 / **100** / 1%/step]
059	Custom Paper 059	ENG	[5 to 300 / **100** / 1%/step]
060	Custom Paper 060	ENG	[5 to 300 / **100** / 1%/step]
061	Custom Paper 061	ENG	[5 to 300 / **100** / 1%/step]
062	Custom Paper 062	ENG	[5 to 300 / **100** / 1%/step]
063	Custom Paper 063	ENG	[5 to 300 / **100** / 1%/step]
064	Custom Paper 064	ENG	[5 to 300 / **100** / 1%/step]
065	Custom Paper 065	ENG	[5 to 300 / **100** / 1%/step]
066	Custom Paper 066	ENG	[5 to 300 / **100** / 1%/step]
067	Custom Paper 067	ENG	[5 to 300 / **100** / 1%/step]
068	Custom Paper 068	ENG	[5 to 300 / **100** / 1%/step]
069	Custom Paper 069	ENG	[5 to 300 / **100** / 1%/step]
070	Custom Paper 070	ENG	[5 to 300 / **100** / 1%/step]
071	Custom Paper 071	ENG	[5 to 300 / **100** / 1%/step]
072	Custom Paper 072	ENG	[5 to 300 / **100** / 1%/step]
073	Custom Paper 073	ENG	[5 to 300 / **100** / 1%/step]
074	Custom Paper 074	ENG	[5 to 300 / **100** / 1%/step]

075	Custom Paper 075	ENG	[5 to 300 / **100** / 1%/step]
076	Custom Paper 076	ENG	[5 to 300 / **100** / 1%/step]
077	Custom Paper 077	ENG	[5 to 300 / **100** / 1%/step]
078	Custom Paper 078	ENG	[5 to 300 / **100** / 1%/step]
079	Custom Paper 079	ENG	[5 to 300 / **100** / 1%/step]
080	Custom Paper 080	ENG	[5 to 300 / **100** / 1%/step]
081	Custom Paper 081	ENG	[5 to 300 / **100** / 1%/step]
082	Custom Paper 082	ENG	[5 to 300 / **100** / 1%/step]
083	Custom Paper 083	ENG	[5 to 300 / **100** / 1%/step]
084	Custom Paper 084	ENG	[5 to 300 / **100** / 1%/step]
085	Custom Paper 085	ENG	[5 to 300 / **100** / 1%/step]
086	Custom Paper 086	ENG	[5 to 300 / **100** / 1%/step]
087	Custom Paper 087	ENG	[5 to 300 / **100** / 1%/step]
088	Custom Paper 088	ENG	[5 to 300 / **100** / 1%/step]
089	Custom Paper 089	ENG	[5 to 300 / **100** / 1%/step]
090	Custom Paper 090	ENG	[5 to 300 / **100** / 1%/step]
091	Custom Paper 091	ENG	[5 to 300 / **100** / 1%/step]
092	Custom Paper 092	ENG	[5 to 300 / **100** / 1%/step]
093	Custom Paper 093	ENG	[5 to 300 / **100** / 1%/step]
094	Custom Paper 094	ENG	[5 to 300 / **100** / 1%/step]
095	Custom Paper 095	ENG	[5 to 300 / **100** / 1%/step]
096	Custom Paper 096	ENG	[5 to 300 / **100** / 1%/step]
097	Custom Paper 097	ENG	[5 to 300 / **100** / 1%/step]
098	Custom Paper 098	ENG	[5 to 300 / **100** / 1%/step]
099	Custom Paper 099	ENG	[5 to 300 / **100** / 1%/step]
100	Custom Paper 100	ENG	[5 to 300 / **100** / 1%/step]

2827	**[TEdge Length:BW] *D137/D138 only**		
	Sets PTR Current Correction Length for Image Trailing Edge in BW Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **8** / 1mm/step]
002	Custom Paper 002	ENG	[0 to 100 / **8** / 1mm/step]
003	Custom Paper 003	ENG	[0 to 100 / **8** / 1mm/step]
004	Custom Paper 004	ENG	[0 to 100 / **8** / 1mm/step]
005	Custom Paper 005	ENG	[0 to 100 / **8** / 1mm/step]
006	Custom Paper 006	ENG	[0 to 100 / **8** / 1mm/step]
007	Custom Paper 007	ENG	[0 to 100 / **8** / 1mm/step]
008	Custom Paper 008	ENG	[0 to 100 / **8** / 1mm/step]
009	Custom Paper 009	ENG	[0 to 100 / **8** / 1mm/step]
010	Custom Paper 010	ENG	[0 to 100 / **8** / 1mm/step]
011	Custom Paper 011	ENG	[0 to 100 / **8** / 1mm/step]
012	Custom Paper 012	ENG	[0 to 100 / **8** / 1mm/step]
013	Custom Paper 013	ENG	[0 to 100 / **8** / 1mm/step]
014	Custom Paper 014	ENG	[0 to 100 / **8** / 1mm/step]
015	Custom Paper 015	ENG	[0 to 100 / **8** / 1mm/step]
016	Custom Paper 016	ENG	[0 to 100 / **8** / 1mm/step]
017	Custom Paper 017	ENG	[0 to 100 / **8** / 1mm/step]
018	Custom Paper 018	ENG	[0 to 100 / **8** / 1mm/step]
019	Custom Paper 019	ENG	[0 to 100 / **8** / 1mm/step]
020	Custom Paper 020	ENG	[0 to 100 / **8** / 1mm/step]
021	Custom Paper 021	ENG	[0 to 100 / **8** / 1mm/step]
022	Custom Paper 022	ENG	[0 to 100 / **8** / 1mm/step]

023	Custom Paper 023	ENG	[0 to 100 / **8** / 1mm/step]
024	Custom Paper 024	ENG	[0 to 100 / **8** / 1mm/step]
025	Custom Paper 025	ENG	[0 to 100 / **8** / 1mm/step]
026	Custom Paper 026	ENG	[0 to 100 / **8** / 1mm/step]
027	Custom Paper 027	ENG	[0 to 100 / **8** / 1mm/step]
028	Custom Paper 028	ENG	[0 to 100 / **8** / 1mm/step]
029	Custom Paper 029	ENG	[0 to 100 / **8** / 1mm/step]
030	Custom Paper 030	ENG	[0 to 100 / **8** / 1mm/step]
031	Custom Paper 031	ENG	[0 to 100 / **8** / 1mm/step]
032	Custom Paper 032	ENG	[0 to 100 / **8** / 1mm/step]
033	Custom Paper 033	ENG	[0 to 100 / **8** / 1mm/step]
034	Custom Paper 034	ENG	[0 to 100 / **8** / 1mm/step]
035	Custom Paper 035	ENG	[0 to 100 / **8** / 1mm/step]
036	Custom Paper 036	ENG	[0 to 100 / **8** / 1mm/step]
037	Custom Paper 037	ENG	[0 to 100 / **8** / 1mm/step]
038	Custom Paper 038	ENG	[0 to 100 / **8** / 1mm/step]
039	Custom Paper 039	ENG	[0 to 100 / **8** / 1mm/step]
040	Custom Paper 040	ENG	[0 to 100 / **8** / 1mm/step]
041	Custom Paper 041	ENG	[0 to 100 / **8** / 1mm/step]
042	Custom Paper 042	ENG	[0 to 100 / **8** / 1mm/step]
043	Custom Paper 043	ENG	[0 to 100 / **8** / 1mm/step]
044	Custom Paper 044	ENG	[0 to 100 / **8** / 1mm/step]
045	Custom Paper 045	ENG	[0 to 100 / **8** / 1mm/step]
046	Custom Paper 046	ENG	[0 to 100 / **8** / 1mm/step]
047	Custom Paper 047	ENG	[0 to 100 / **8** / 1mm/step]
048	Custom Paper 048	ENG	[0 to 100 / **8** / 1mm/step]

049	Custom Paper 049	ENG	[0 to 100 / **8** / 1mm/step]
050	Custom Paper 050	ENG	[0 to 100 / **8** / 1mm/step]
051	Custom Paper 051	ENG	[0 to 100 / **8** / 1mm/step]
052	Custom Paper 052	ENG	[0 to 100 / **8** / 1mm/step]
053	Custom Paper 053	ENG	[0 to 100 / **8** / 1mm/step]
054	Custom Paper 054	ENG	[0 to 100 / **8** / 1mm/step]
055	Custom Paper 055	ENG	[0 to 100 / **8** / 1mm/step]
056	Custom Paper 056	ENG	[0 to 100 / **8** / 1mm/step]
057	Custom Paper 057	ENG	[0 to 100 / **8** / 1mm/step]
058	Custom Paper 058	ENG	[0 to 100 / **8** / 1mm/step]
059	Custom Paper 059	ENG	[0 to 100 / **8** / 1mm/step]
060	Custom Paper 060	ENG	[0 to 100 / **8** / 1mm/step]
061	Custom Paper 061	ENG	[0 to 100 / **8** / 1mm/step]
062	Custom Paper 062	ENG	[0 to 100 / **8** / 1mm/step]
063	Custom Paper 063	ENG	[0 to 100 / **8** / 1mm/step]
064	Custom Paper 064	ENG	[0 to 100 / **8** / 1mm/step]
065	Custom Paper 065	ENG	[0 to 100 / **8** / 1mm/step]
066	Custom Paper 066	ENG	[0 to 100 / **8** / 1mm/step]
067	Custom Paper 067	ENG	[0 to 100 / **8** / 1mm/step]
068	Custom Paper 068	ENG	[0 to 100 / **8** / 1mm/step]
069	Custom Paper 069	ENG	[0 to 100 / **8** / 1mm/step]
070	Custom Paper 070	ENG	[0 to 100 / **8** / 1mm/step]
071	Custom Paper 071	ENG	[0 to 100 / **8** / 1mm/step]
072	Custom Paper 072	ENG	[0 to 100 / **8** / 1mm/step]
073	Custom Paper 073	ENG	[0 to 100 / **8** / 1mm/step]
074	Custom Paper 074	ENG	[0 to 100 / **8** / 1mm/step]

075	Custom Paper 075	ENG	[0 to 100 / **8** / 1mm/step]
076	Custom Paper 076	ENG	[0 to 100 / **8** / 1mm/step]
077	Custom Paper 077	ENG	[0 to 100 / **8** / 1mm/step]
078	Custom Paper 078	ENG	[0 to 100 / **8** / 1mm/step]
079	Custom Paper 079	ENG	[0 to 100 / **8** / 1mm/step]
080	Custom Paper 080	ENG	[0 to 100 / **8** / 1mm/step]
081	Custom Paper 081	ENG	[0 to 100 / **8** / 1mm/step]
082	Custom Paper 082	ENG	[0 to 100 / **8** / 1mm/step]
083	Custom Paper 083	ENG	[0 to 100 / **8** / 1mm/step]
084	Custom Paper 084	ENG	[0 to 100 / **8** / 1mm/step]
085	Custom Paper 085	ENG	[0 to 100 / **8** / 1mm/step]
086	Custom Paper 086	ENG	[0 to 100 / **8** / 1mm/step]
087	Custom Paper 087	ENG	[0 to 100 / **8** / 1mm/step]
088	Custom Paper 088	ENG	[0 to 100 / **8** / 1mm/step]
089	Custom Paper 089	ENG	[0 to 100 / **8** / 1mm/step]
090	Custom Paper 090	ENG	[0 to 100 / **8** / 1mm/step]
091	Custom Paper 091	ENG	[0 to 100 / **8** / 1mm/step]
092	Custom Paper 092	ENG	[0 to 100 / **8** / 1mm/step]
093	Custom Paper 093	ENG	[0 to 100 / **8** / 1mm/step]
094	Custom Paper 094	ENG	[0 to 100 / **8** / 1mm/step]
095	Custom Paper 095	ENG	[0 to 100 / **8** / 1mm/step]
096	Custom Paper 096	ENG	[0 to 100 / **8** / 1mm/step]
097	Custom Paper 097	ENG	[0 to 100 / **8** / 1mm/step]
098	Custom Paper 098	ENG	[0 to 100 / **8** / 1mm/step]
099	Custom Paper 099	ENG	[0 to 100 / **8** / 1mm/step]
100	Custom Paper 100	ENG	[0 to 100 / **8** / 1mm/step]

2828	**[TEdge Length:FC] *D137/D138 only**		
	Sets PTR Current Correction Length for Image Trailing Edge in FC Mode for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **8** / 1mm/step]
002	Custom Paper 002	ENG	[0 to 100 / **8** / 1mm/step]
003	Custom Paper 003	ENG	[0 to 100 / **8** / 1mm/step]
004	Custom Paper 004	ENG	[0 to 100 / **8** / 1mm/step]
005	Custom Paper 005	ENG	[0 to 100 / **8** / 1mm/step]
006	Custom Paper 006	ENG	[0 to 100 / **8** / 1mm/step]
007	Custom Paper 007	ENG	[0 to 100 / **8** / 1mm/step]
008	Custom Paper 008	ENG	[0 to 100 / **8** / 1mm/step]
009	Custom Paper 009	ENG	[0 to 100 / **8** / 1mm/step]
010	Custom Paper 010	ENG	[0 to 100 / **8** / 1mm/step]
011	Custom Paper 011	ENG	[0 to 100 / **8** / 1mm/step]
012	Custom Paper 012	ENG	[0 to 100 / **8** / 1mm/step]
013	Custom Paper 013	ENG	[0 to 100 / **8** / 1mm/step]
014	Custom Paper 014	ENG	[0 to 100 / **8** / 1mm/step]
015	Custom Paper 015	ENG	[0 to 100 / **8** / 1mm/step]
016	Custom Paper 016	ENG	[0 to 100 / **8** / 1mm/step]
017	Custom Paper 017	ENG	[0 to 100 / **8** / 1mm/step]
018	Custom Paper 018	ENG	[0 to 100 / **8** / 1mm/step]
019	Custom Paper 019	ENG	[0 to 100 / **8** / 1mm/step]
020	Custom Paper 020	ENG	[0 to 100 / **8** / 1mm/step]
021	Custom Paper 021	ENG	[0 to 100 / **8** / 1mm/step]
022	Custom Paper 022	ENG	[0 to 100 / **8** / 1mm/step]

023	Custom Paper 023	ENG	[0 to 100 / **8** / 1mm/step]
024	Custom Paper 024	ENG	[0 to 100 / **8** / 1mm/step]
025	Custom Paper 025	ENG	[0 to 100 / **8** / 1mm/step]
026	Custom Paper 026	ENG	[0 to 100 / **8** / 1mm/step]
027	Custom Paper 027	ENG	[0 to 100 / **8** / 1mm/step]
028	Custom Paper 028	ENG	[0 to 100 / **8** / 1mm/step]
029	Custom Paper 029	ENG	[0 to 100 / **8** / 1mm/step]
030	Custom Paper 030	ENG	[0 to 100 / **8** / 1mm/step]
031	Custom Paper 031	ENG	[0 to 100 / **8** / 1mm/step]
032	Custom Paper 032	ENG	[0 to 100 / **8** / 1mm/step]
033	Custom Paper 033	ENG	[0 to 100 / **8** / 1mm/step]
034	Custom Paper 034	ENG	[0 to 100 / **8** / 1mm/step]
035	Custom Paper 035	ENG	[0 to 100 / **8** / 1mm/step]
036	Custom Paper 036	ENG	[0 to 100 / **8** / 1mm/step]
037	Custom Paper 037	ENG	[0 to 100 / **8** / 1mm/step]
038	Custom Paper 038	ENG	[0 to 100 / **8** / 1mm/step]
039	Custom Paper 039	ENG	[0 to 100 / **8** / 1mm/step]
040	Custom Paper 040	ENG	[0 to 100 / **8** / 1mm/step]
041	Custom Paper 041	ENG	[0 to 100 / **8** / 1mm/step]
042	Custom Paper 042	ENG	[0 to 100 / **8** / 1mm/step]
043	Custom Paper 043	ENG	[0 to 100 / **8** / 1mm/step]
044	Custom Paper 044	ENG	[0 to 100 / **8** / 1mm/step]
045	Custom Paper 045	ENG	[0 to 100 / **8** / 1mm/step]
046	Custom Paper 046	ENG	[0 to 100 / **8** / 1mm/step]
047	Custom Paper 047	ENG	[0 to 100 / **8** / 1mm/step]
048	Custom Paper 048	ENG	[0 to 100 / **8** / 1mm/step]

049	Custom Paper 049	ENG	[0 to 100 / **8** / 1mm/step]
050	Custom Paper 050	ENG	[0 to 100 / **8** / 1mm/step]
051	Custom Paper 051	ENG	[0 to 100 / **8** / 1mm/step]
052	Custom Paper 052	ENG	[0 to 100 / **8** / 1mm/step]
053	Custom Paper 053	ENG	[0 to 100 / **8** / 1mm/step]
054	Custom Paper 054	ENG	[0 to 100 / **8** / 1mm/step]
055	Custom Paper 055	ENG	[0 to 100 / **8** / 1mm/step]
056	Custom Paper 056	ENG	[0 to 100 / **8** / 1mm/step]
057	Custom Paper 057	ENG	[0 to 100 / **8** / 1mm/step]
058	Custom Paper 058	ENG	[0 to 100 / **8** / 1mm/step]
059	Custom Paper 059	ENG	[0 to 100 / **8** / 1mm/step]
060	Custom Paper 060	ENG	[0 to 100 / **8** / 1mm/step]
061	Custom Paper 061	ENG	[0 to 100 / **8** / 1mm/step]
062	Custom Paper 062	ENG	[0 to 100 / **8** / 1mm/step]
063	Custom Paper 063	ENG	[0 to 100 / **8** / 1mm/step]
064	Custom Paper 064	ENG	[0 to 100 / **8** / 1mm/step]
065	Custom Paper 065	ENG	[0 to 100 / **8** / 1mm/step]
066	Custom Paper 066	ENG	[0 to 100 / **8** / 1mm/step]
067	Custom Paper 067	ENG	[0 to 100 / **8** / 1mm/step]
068	Custom Paper 068	ENG	[0 to 100 / **8** / 1mm/step]
069	Custom Paper 069	ENG	[0 to 100 / **8** / 1mm/step]
070	Custom Paper 070	ENG	[0 to 100 / **8** / 1mm/step]
071	Custom Paper 071	ENG	[0 to 100 / **8** / 1mm/step]
072	Custom Paper 072	ENG	[0 to 100 / **8** / 1mm/step]
073	Custom Paper 073	ENG	[0 to 100 / **8** / 1mm/step]
074	Custom Paper 074	ENG	[0 to 100 / **8** / 1mm/step]

075	Custom Paper 075	ENG	[0 to 100 / **8** / 1mm/step]
076	Custom Paper 076	ENG	[0 to 100 / **8** / 1mm/step]
077	Custom Paper 077	ENG	[0 to 100 / **8** / 1mm/step]
078	Custom Paper 078	ENG	[0 to 100 / **8** / 1mm/step]
079	Custom Paper 079	ENG	[0 to 100 / **8** / 1mm/step]
080	Custom Paper 080	ENG	[0 to 100 / **8** / 1mm/step]
081	Custom Paper 081	ENG	[0 to 100 / **8** / 1mm/step]
082	Custom Paper 082	ENG	[0 to 100 / **8** / 1mm/step]
083	Custom Paper 083	ENG	[0 to 100 / **8** / 1mm/step]
084	Custom Paper 084	ENG	[0 to 100 / **8** / 1mm/step]
085	Custom Paper 085	ENG	[0 to 100 / **8** / 1mm/step]
086	Custom Paper 086	ENG	[0 to 100 / **8** / 1mm/step]
087	Custom Paper 087	ENG	[0 to 100 / **8** / 1mm/step]
088	Custom Paper 088	ENG	[0 to 100 / **8** / 1mm/step]
089	Custom Paper 089	ENG	[0 to 100 / **8** / 1mm/step]
090	Custom Paper 090	ENG	[0 to 100 / **8** / 1mm/step]
091	Custom Paper 091	ENG	[0 to 100 / **8** / 1mm/step]
092	Custom Paper 092	ENG	[0 to 100 / **8** / 1mm/step]
093	Custom Paper 093	ENG	[0 to 100 / **8** / 1mm/step]
094	Custom Paper 094	ENG	[0 to 100 / **8** / 1mm/step]
095	Custom Paper 095	ENG	[0 to 100 / **8** / 1mm/step]
096	Custom Paper 096	ENG	[0 to 100 / **8** / 1mm/step]
097	Custom Paper 097	ENG	[0 to 100 / **8** / 1mm/step]
098	Custom Paper 098	ENG	[0 to 100 / **8** / 1mm/step]
099	Custom Paper 099	ENG	[0 to 100 / **8** / 1mm/step]
100	Custom Paper 100	ENG	[0 to 100 / **8** / 1mm/step]

2831	**[PTR Spd Adj] *D137/D138 only**		
	Fine-tunes PTR Roller Line Speed to Image Transfer Belt Line Speed for Custom Paper.		
001	Custom Paper 001	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
002	Custom Paper 002	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
003	Custom Paper 003	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
004	Custom Paper 004	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
005	Custom Paper 005	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
006	Custom Paper 006	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
007	Custom Paper 007	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
008	Custom Paper 008	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
009	Custom Paper 009	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
010	Custom Paper 010	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
011	Custom Paper 011	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
012	Custom Paper 012	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
013	Custom Paper 013	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
014	Custom Paper 014	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
015	Custom Paper 015	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
016	Custom Paper 016	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
017	Custom Paper 017	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
018	Custom Paper 018	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
019	Custom Paper 019	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
020	Custom Paper 020	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
021	Custom Paper 021	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
022	Custom Paper 022	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]

023	Custom Paper 023	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
024	Custom Paper 024	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
025	Custom Paper 025	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
026	Custom Paper 026	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
027	Custom Paper 027	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
028	Custom Paper 028	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
029	Custom Paper 029	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
030	Custom Paper 030	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
031	Custom Paper 031	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
032	Custom Paper 032	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
033	Custom Paper 033	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
034	Custom Paper 034	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
035	Custom Paper 035	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
036	Custom Paper 036	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
037	Custom Paper 037	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
038	Custom Paper 038	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
039	Custom Paper 039	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
040	Custom Paper 040	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
041	Custom Paper 041	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
042	Custom Paper 042	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
043	Custom Paper 043	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
044	Custom Paper 044	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
045	Custom Paper 045	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
046	Custom Paper 046	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
047	Custom Paper 047	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
048	Custom Paper 048	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]

049	Custom Paper 049	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
050	Custom Paper 050	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
051	Custom Paper 051	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
052	Custom Paper 052	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
053	Custom Paper 053	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
054	Custom Paper 054	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
055	Custom Paper 055	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
056	Custom Paper 056	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
057	Custom Paper 057	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
058	Custom Paper 058	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
059	Custom Paper 059	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
060	Custom Paper 060	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
061	Custom Paper 061	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
062	Custom Paper 062	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
063	Custom Paper 063	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
064	Custom Paper 064	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
065	Custom Paper 065	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
066	Custom Paper 066	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
067	Custom Paper 067	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
068	Custom Paper 068	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
069	Custom Paper 069	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
070	Custom Paper 070	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
071	Custom Paper 071	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
072	Custom Paper 072	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
073	Custom Paper 073	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
074	Custom Paper 074	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]

075	Custom Paper 075	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
076	Custom Paper 076	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
077	Custom Paper 077	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
078	Custom Paper 078	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
079	Custom Paper 079	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
080	Custom Paper 080	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
081	Custom Paper 081	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
082	Custom Paper 082	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
083	Custom Paper 083	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
084	Custom Paper 084	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
085	Custom Paper 085	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
086	Custom Paper 086	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
087	Custom Paper 087	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
088	Custom Paper 088	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
089	Custom Paper 089	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
090	Custom Paper 090	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
091	Custom Paper 091	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
092	Custom Paper 092	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
093	Custom Paper 093	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
094	Custom Paper 094	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
095	Custom Paper 095	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
096	Custom Paper 096	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
097	Custom Paper 097	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
098	Custom Paper 098	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
099	Custom Paper 099	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]
100	Custom Paper 100	ENG	[-1.0 to 1.0 / **0.0** / 0.1%/step]

2832	**[CV timing:BW:Side1] *D137/D138 only**		
	Sets the timing of starting PTR CV Control for BW Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **50** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **50** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **50** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **50** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **50** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **50** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **50** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **50** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **50** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **50** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **50** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **50** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **50** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **50** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **50** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **50** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **50** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **50** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **50** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **50** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **50** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **50** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **50** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **50** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **50** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **50** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **50** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **50** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **50** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **50** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **50** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **50** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **50** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **50** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **50** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **50** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **50** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **50** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **50** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **50** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **50** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **50** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **50** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **50** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **50** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **50** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **50** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **50** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **50** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **50** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **50** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **50** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **50** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **50** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **50** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **50** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **50** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **50** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **50** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **50** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **50** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **50** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **50** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **50** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **50** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **50** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **50** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **50** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **50** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **50** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **50** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **50** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **50** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **50** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **50** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **50** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **50** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **50** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **50** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **50** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **50** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **50** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **50** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **50** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **50** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **50** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **50** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **50** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **50** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **50** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **50** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **50** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **50** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **50** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **50** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **50** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **50** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **50** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **50** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **50** / 1msec/step]

2833	**[CV timing:BW:Side2] *D137/D138 only**		
	Sets the timing of starting PTR CV Control for BW Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **50** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **50** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **50** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **50** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **50** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **50** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **50** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **50** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **50** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **50** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **50** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **50** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **50** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **50** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **50** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **50** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **50** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **50** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **50** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **50** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **50** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **50** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **50** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **50** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **50** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **50** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **50** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **50** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **50** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **50** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **50** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **50** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **50** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **50** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **50** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **50** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **50** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **50** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **50** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **50** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **50** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **50** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **50** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **50** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **50** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **50** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **50** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **50** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **50** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **50** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **50** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **50** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **50** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **50** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **50** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **50** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **50** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **50** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **50** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **50** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **50** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **50** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **50** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **50** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **50** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **50** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **50** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **50** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **50** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **50** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **50** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **50** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **50** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **50** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **50** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **50** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **50** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **50** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **50** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **50** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **50** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **50** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **50** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **50** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **50** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **50** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **50** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **50** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **50** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **50** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **50** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **50** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **50** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **50** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **50** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **50** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **50** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **50** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **50** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **50** / 1msec/step]

2834	**[CV timing:FC:Side1] *D137/D138 only**		
	Sets the timing of starting PTR CV Control for FC Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **50** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **50** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **50** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **50** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **50** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **50** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **50** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **50** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **50** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **50** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **50** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **50** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **50** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **50** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **50** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **50** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **50** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **50** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **50** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **50** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **50** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **50** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **50** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **50** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **50** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **50** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **50** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **50** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **50** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **50** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **50** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **50** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **50** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **50** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **50** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **50** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **50** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **50** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **50** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **50** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **50** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **50** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **50** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **50** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **50** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **50** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **50** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **50** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **50** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **50** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **50** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **50** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **50** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **50** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **50** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **50** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **50** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **50** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **50** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **50** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **50** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **50** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **50** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **50** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **50** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **50** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **50** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **50** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **50** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **50** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **50** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **50** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **50** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **50** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **50** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **50** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **50** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **50** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **50** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **50** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **50** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **50** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **50** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **50** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **50** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **50** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **50** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **50** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **50** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **50** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **50** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **50** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **50** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **50** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **50** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **50** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **50** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **50** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **50** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **50** / 1msec/step]

2835	**[CV timing:FC:Side2] *D137/D138 only**		
	Sets the timing of starting PTR CV Control for FC Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **50** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **50** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **50** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **50** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **50** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **50** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **50** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **50** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **50** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **50** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **50** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **50** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **50** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **50** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **50** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **50** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **50** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **50** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **50** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **50** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **50** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **50** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **50** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **50** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **50** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **50** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **50** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **50** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **50** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **50** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **50** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **50** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **50** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **50** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **50** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **50** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **50** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **50** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **50** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **50** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **50** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **50** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **50** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **50** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **50** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **50** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **50** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **50** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **50** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **50** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **50** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **50** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **50** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **50** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **50** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **50** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **50** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **50** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **50** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **50** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **50** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **50** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **50** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **50** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **50** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **50** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **50** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **50** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **50** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **50** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **50** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **50** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **50** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **50** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **50** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **50** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **50** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **50** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **50** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **50** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **50** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **50** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **50** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **50** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **50** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **50** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **50** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **50** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **50** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **50** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **50** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **50** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **50** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **50** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **50** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **50** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **50** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **50** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **50** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **50** / 1msec/step]

2836	**[CV ON time:BW:Side1] *D137/D138 only**		
	Sets ON time Standard Value for executing PTR CV Control for BW Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **30** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **30** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **30** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **30** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **30** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **30** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **30** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **30** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **30** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **30** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **30** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **30** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **30** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **30** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **30** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **30** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **30** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **30** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **30** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **30** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **30** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **30** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **30** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **30** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **30** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **30** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **30** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **30** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **30** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **30** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **30** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **30** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **30** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **30** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **30** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **30** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **30** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **30** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **30** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **30** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **30** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **30** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **30** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **30** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **30** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **30** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **30** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **30** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **30** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **30** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **30** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **30** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **30** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **30** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **30** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **30** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **30** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **30** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **30** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **30** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **30** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **30** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **30** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **30** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **30** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **30** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **30** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **30** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **30** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **30** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **30** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **30** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **30** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **30** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **30** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **30** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **30** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **30** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **30** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **30** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **30** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **30** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **30** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **30** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **30** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **30** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **30** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **30** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **30** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **30** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **30** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **30** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **30** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **30** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **30** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **30** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **30** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **30** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **30** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **30** / 1msec/step]

2837	**[CV ON time:BW:Side2] *D137/D138 only**		
	Sets ON time Standard Value for executing PTR CV Control for BW Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **30** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **30** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **30** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **30** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **30** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **30** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **30** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **30** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **30** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **30** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **30** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **30** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **30** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **30** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **30** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **30** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **30** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **30** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **30** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **30** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **30** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **30** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **30** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **30** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **30** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **30** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **30** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **30** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **30** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **30** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **30** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **30** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **30** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **30** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **30** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **30** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **30** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **30** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **30** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **30** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **30** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **30** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **30** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **30** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **30** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **30** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **30** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **30** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **30** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **30** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **30** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **30** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **30** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **30** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **30** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **30** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **30** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **30** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **30** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **30** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **30** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **30** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **30** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **30** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **30** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **30** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **30** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **30** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **30** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **30** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **30** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **30** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **30** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **30** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **30** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **30** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **30** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **30** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **30** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **30** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **30** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **30** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **30** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **30** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **30** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **30** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **30** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **30** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **30** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **30** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **30** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **30** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **30** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **30** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **30** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **30** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **30** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **30** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **30** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **30** / 1msec/step]

2838	**[CV ON time:FC:Side1] *D137/D138 only**		
	Sets ON time Standard Value for executing PTR CV Control for FC Mode/Side 1 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **30** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **30** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **30** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **30** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **30** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **30** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **30** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **30** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **30** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **30** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **30** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **30** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **30** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **30** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **30** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **30** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **30** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **30** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **30** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **30** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **30** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **30** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **30** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **30** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **30** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **30** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **30** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **30** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **30** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **30** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **30** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **30** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **30** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **30** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **30** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **30** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **30** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **30** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **30** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **30** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **30** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **30** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **30** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **30** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **30** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **30** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **30** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **30** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **30** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **30** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **30** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **30** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **30** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **30** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **30** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **30** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **30** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **30** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **30** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **30** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **30** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **30** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **30** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **30** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **30** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **30** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **30** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **30** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **30** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **30** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **30** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **30** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **30** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **30** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **30** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **30** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **30** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **30** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **30** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **30** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **30** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **30** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **30** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **30** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **30** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **30** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **30** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **30** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **30** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **30** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **30** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **30** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **30** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **30** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **30** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **30** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **30** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **30** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **30** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **30** / 1msec/step]

2839	**[CV ON time:FC:Side2] *D137/D138 only**		
	Sets ON time Standard Value for executing PTR CV Control for FC Mode/Side 2 for Custom Paper.		
001	Custom Paper 001	ENG	[0 to 100 / **30** / 1msec/step]
002	Custom Paper 002	ENG	[0 to 100 / **30** / 1msec/step]
003	Custom Paper 003	ENG	[0 to 100 / **30** / 1msec/step]
004	Custom Paper 004	ENG	[0 to 100 / **30** / 1msec/step]
005	Custom Paper 005	ENG	[0 to 100 / **30** / 1msec/step]
006	Custom Paper 006	ENG	[0 to 100 / **30** / 1msec/step]
007	Custom Paper 007	ENG	[0 to 100 / **30** / 1msec/step]
008	Custom Paper 008	ENG	[0 to 100 / **30** / 1msec/step]
009	Custom Paper 009	ENG	[0 to 100 / **30** / 1msec/step]
010	Custom Paper 010	ENG	[0 to 100 / **30** / 1msec/step]
011	Custom Paper 011	ENG	[0 to 100 / **30** / 1msec/step]
012	Custom Paper 012	ENG	[0 to 100 / **30** / 1msec/step]
013	Custom Paper 013	ENG	[0 to 100 / **30** / 1msec/step]
014	Custom Paper 014	ENG	[0 to 100 / **30** / 1msec/step]
015	Custom Paper 015	ENG	[0 to 100 / **30** / 1msec/step]
016	Custom Paper 016	ENG	[0 to 100 / **30** / 1msec/step]
017	Custom Paper 017	ENG	[0 to 100 / **30** / 1msec/step]
018	Custom Paper 018	ENG	[0 to 100 / **30** / 1msec/step]
019	Custom Paper 019	ENG	[0 to 100 / **30** / 1msec/step]
020	Custom Paper 020	ENG	[0 to 100 / **30** / 1msec/step]
021	Custom Paper 021	ENG	[0 to 100 / **30** / 1msec/step]
022	Custom Paper 022	ENG	[0 to 100 / **30** / 1msec/step]

023	Custom Paper 023	ENG	[0 to 100 / **30** / 1msec/step]
024	Custom Paper 024	ENG	[0 to 100 / **30** / 1msec/step]
025	Custom Paper 025	ENG	[0 to 100 / **30** / 1msec/step]
026	Custom Paper 026	ENG	[0 to 100 / **30** / 1msec/step]
027	Custom Paper 027	ENG	[0 to 100 / **30** / 1msec/step]
028	Custom Paper 028	ENG	[0 to 100 / **30** / 1msec/step]
029	Custom Paper 029	ENG	[0 to 100 / **30** / 1msec/step]
030	Custom Paper 030	ENG	[0 to 100 / **30** / 1msec/step]
031	Custom Paper 031	ENG	[0 to 100 / **30** / 1msec/step]
032	Custom Paper 032	ENG	[0 to 100 / **30** / 1msec/step]
033	Custom Paper 033	ENG	[0 to 100 / **30** / 1msec/step]
034	Custom Paper 034	ENG	[0 to 100 / **30** / 1msec/step]
035	Custom Paper 035	ENG	[0 to 100 / **30** / 1msec/step]
036	Custom Paper 036	ENG	[0 to 100 / **30** / 1msec/step]
037	Custom Paper 037	ENG	[0 to 100 / **30** / 1msec/step]
038	Custom Paper 038	ENG	[0 to 100 / **30** / 1msec/step]
039	Custom Paper 039	ENG	[0 to 100 / **30** / 1msec/step]
040	Custom Paper 040	ENG	[0 to 100 / **30** / 1msec/step]
041	Custom Paper 041	ENG	[0 to 100 / **30** / 1msec/step]
042	Custom Paper 042	ENG	[0 to 100 / **30** / 1msec/step]
043	Custom Paper 043	ENG	[0 to 100 / **30** / 1msec/step]
044	Custom Paper 044	ENG	[0 to 100 / **30** / 1msec/step]
045	Custom Paper 045	ENG	[0 to 100 / **30** / 1msec/step]
046	Custom Paper 046	ENG	[0 to 100 / **30** / 1msec/step]
047	Custom Paper 047	ENG	[0 to 100 / **30** / 1msec/step]
048	Custom Paper 048	ENG	[0 to 100 / **30** / 1msec/step]

049	Custom Paper 049	ENG	[0 to 100 / **30** / 1msec/step]
050	Custom Paper 050	ENG	[0 to 100 / **30** / 1msec/step]
051	Custom Paper 051	ENG	[0 to 100 / **30** / 1msec/step]
052	Custom Paper 052	ENG	[0 to 100 / **30** / 1msec/step]
053	Custom Paper 053	ENG	[0 to 100 / **30** / 1msec/step]
054	Custom Paper 054	ENG	[0 to 100 / **30** / 1msec/step]
055	Custom Paper 055	ENG	[0 to 100 / **30** / 1msec/step]
056	Custom Paper 056	ENG	[0 to 100 / **30** / 1msec/step]
057	Custom Paper 057	ENG	[0 to 100 / **30** / 1msec/step]
058	Custom Paper 058	ENG	[0 to 100 / **30** / 1msec/step]
059	Custom Paper 059	ENG	[0 to 100 / **30** / 1msec/step]
060	Custom Paper 060	ENG	[0 to 100 / **30** / 1msec/step]
061	Custom Paper 061	ENG	[0 to 100 / **30** / 1msec/step]
062	Custom Paper 062	ENG	[0 to 100 / **30** / 1msec/step]
063	Custom Paper 063	ENG	[0 to 100 / **30** / 1msec/step]
064	Custom Paper 064	ENG	[0 to 100 / **30** / 1msec/step]
065	Custom Paper 065	ENG	[0 to 100 / **30** / 1msec/step]
066	Custom Paper 066	ENG	[0 to 100 / **30** / 1msec/step]
067	Custom Paper 067	ENG	[0 to 100 / **30** / 1msec/step]
068	Custom Paper 068	ENG	[0 to 100 / **30** / 1msec/step]
069	Custom Paper 069	ENG	[0 to 100 / **30** / 1msec/step]
070	Custom Paper 070	ENG	[0 to 100 / **30** / 1msec/step]
071	Custom Paper 071	ENG	[0 to 100 / **30** / 1msec/step]
072	Custom Paper 072	ENG	[0 to 100 / **30** / 1msec/step]
073	Custom Paper 073	ENG	[0 to 100 / **30** / 1msec/step]
074	Custom Paper 074	ENG	[0 to 100 / **30** / 1msec/step]

075	Custom Paper 075	ENG	[0 to 100 / **30** / 1msec/step]
076	Custom Paper 076	ENG	[0 to 100 / **30** / 1msec/step]
077	Custom Paper 077	ENG	[0 to 100 / **30** / 1msec/step]
078	Custom Paper 078	ENG	[0 to 100 / **30** / 1msec/step]
079	Custom Paper 079	ENG	[0 to 100 / **30** / 1msec/step]
080	Custom Paper 080	ENG	[0 to 100 / **30** / 1msec/step]
081	Custom Paper 081	ENG	[0 to 100 / **30** / 1msec/step]
082	Custom Paper 082	ENG	[0 to 100 / **30** / 1msec/step]
083	Custom Paper 083	ENG	[0 to 100 / **30** / 1msec/step]
084	Custom Paper 084	ENG	[0 to 100 / **30** / 1msec/step]
085	Custom Paper 085	ENG	[0 to 100 / **30** / 1msec/step]
086	Custom Paper 086	ENG	[0 to 100 / **30** / 1msec/step]
087	Custom Paper 087	ENG	[0 to 100 / **30** / 1msec/step]
088	Custom Paper 088	ENG	[0 to 100 / **30** / 1msec/step]
089	Custom Paper 089	ENG	[0 to 100 / **30** / 1msec/step]
090	Custom Paper 090	ENG	[0 to 100 / **30** / 1msec/step]
091	Custom Paper 091	ENG	[0 to 100 / **30** / 1msec/step]
092	Custom Paper 092	ENG	[0 to 100 / **30** / 1msec/step]
093	Custom Paper 093	ENG	[0 to 100 / **30** / 1msec/step]
094	Custom Paper 094	ENG	[0 to 100 / **30** / 1msec/step]
095	Custom Paper 095	ENG	[0 to 100 / **30** / 1msec/step]
096	Custom Paper 096	ENG	[0 to 100 / **30** / 1msec/step]
097	Custom Paper 097	ENG	[0 to 100 / **30** / 1msec/step]
098	Custom Paper 098	ENG	[0 to 100 / **30** / 1msec/step]
099	Custom Paper 099	ENG	[0 to 100 / **30** / 1msec/step]
100	Custom Paper 100	ENG	[0 to 100 / **30** / 1msec/step]

2841	**[Shock Jitter Canceling] *D137/D138 only**		
	Sets ON/OFF for Shock Jitter Canceling for Custom Paper. Set 1: ON, Unset 0: OFF		
001	Custom Paper 001	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
002	Custom Paper 002	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
003	Custom Paper 003	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
004	Custom Paper 004	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
005	Custom Paper 005	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
006	Custom Paper 006	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
007	Custom Paper 007	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
008	Custom Paper 008	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
009	Custom Paper 009	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

010	Custom Paper 010	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
011	Custom Paper 011	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
012	Custom Paper 012	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
013	Custom Paper 013	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
014	Custom Paper 014	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
015	Custom Paper 015	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
016	Custom Paper 016	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
017	Custom Paper 017	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
018	Custom Paper 018	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
019	Custom Paper 019	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
020	Custom Paper 020	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

021	Custom Paper 021	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
022	Custom Paper 022	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
023	Custom Paper 023	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
024	Custom Paper 024	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
025	Custom Paper 025	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
026	Custom Paper 026	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
027	Custom Paper 027	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
028	Custom Paper 028	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
029	Custom Paper 029	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
030	Custom Paper 030	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
031	Custom Paper 031	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

032	Custom Paper 032	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
033	Custom Paper 033	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
034	Custom Paper 034	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
035	Custom Paper 035	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
036	Custom Paper 036	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
037	Custom Paper 037	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
038	Custom Paper 038	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
039	Custom Paper 039	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
040	Custom Paper 040	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
041	Custom Paper 041	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
042	Custom Paper 042	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

043	Custom Paper 043	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
044	Custom Paper 044	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
045	Custom Paper 045	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
046	Custom Paper 046	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
047	Custom Paper 047	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
048	Custom Paper 048	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
049	Custom Paper 049	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
050	Custom Paper 050	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
051	Custom Paper 051	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
052	Custom Paper 052	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
053	Custom Paper 053	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

054	Custom Paper 054	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
055	Custom Paper 055	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
056	Custom Paper 056	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
057	Custom Paper 057	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
058	Custom Paper 058	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
059	Custom Paper 059	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
060	Custom Paper 060	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
061	Custom Paper 061	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
062	Custom Paper 062	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
063	Custom Paper 063	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
064	Custom Paper 064	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

065	Custom Paper 065	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
066	Custom Paper 066	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
067	Custom Paper 067	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
068	Custom Paper 068	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
069	Custom Paper 069	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
070	Custom Paper 070	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
071	Custom Paper 071	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
072	Custom Paper 072	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
073	Custom Paper 073	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
074	Custom Paper 074	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
075	Custom Paper 075	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

076	Custom Paper 076	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
077	Custom Paper 077	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
078	Custom Paper 078	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
079	Custom Paper 079	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
080	Custom Paper 080	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
081	Custom Paper 081	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
082	Custom Paper 082	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
083	Custom Paper 083	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
084	Custom Paper 084	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
085	Custom Paper 085	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
086	Custom Paper 086	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

087	Custom Paper 087	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
088	Custom Paper 088	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
089	Custom Paper 089	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
090	Custom Paper 090	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
091	Custom Paper 091	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
092	Custom Paper 092	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
093	Custom Paper 093	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
094	Custom Paper 094	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
095	Custom Paper 095	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
096	Custom Paper 096	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
097	Custom Paper 097	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

098	Custom Paper 098	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
099	Custom Paper 099	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
100	Custom Paper 100	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

2842	**[PTR Cont Timing]** ***D137/D138 only**		
	Sets PTR Contact Timing for Shock Jitter Canceling for Custom Paper.		
001	Custom Paper 001	ENG	[-5 to 10 / **0** / 1mm/step]
002	Custom Paper 002	ENG	[-5 to 10 / **0** / 1mm/step]
003	Custom Paper 003	ENG	[-5 to 10 / **0** / 1mm/step]
004	Custom Paper 004	ENG	[-5 to 10 / **0** / 1mm/step]
005	Custom Paper 005	ENG	[-5 to 10 / **0** / 1mm/step]
006	Custom Paper 006	ENG	[-5 to 10 / **0** / 1mm/step]
007	Custom Paper 007	ENG	[-5 to 10 / **0** / 1mm/step]
008	Custom Paper 008	ENG	[-5 to 10 / **0** / 1mm/step]
009	Custom Paper 009	ENG	[-5 to 10 / **0** / 1mm/step]
010	Custom Paper 010	ENG	[-5 to 10 / **0** / 1mm/step]
011	Custom Paper 011	ENG	[-5 to 10 / **0** / 1mm/step]
012	Custom Paper 012	ENG	[-5 to 10 / **0** / 1mm/step]
013	Custom Paper 013	ENG	[-5 to 10 / **0** / 1mm/step]
014	Custom Paper 014	ENG	[-5 to 10 / **0** / 1mm/step]
015	Custom Paper 015	ENG	[-5 to 10 / **0** / 1mm/step]
016	Custom Paper 016	ENG	[-5 to 10 / **0** / 1mm/step]

017	Custom Paper 017	ENG	[-5 to 10 / **0** / 1mm/step]
018	Custom Paper 018	ENG	[-5 to 10 / **0** / 1mm/step]
019	Custom Paper 019	ENG	[-5 to 10 / **0** / 1mm/step]
020	Custom Paper 020	ENG	[-5 to 10 / **0** / 1mm/step]
021	Custom Paper 021	ENG	[-5 to 10 / **0** / 1mm/step]
022	Custom Paper 022	ENG	[-5 to 10 / **0** / 1mm/step]
023	Custom Paper 023	ENG	[-5 to 10 / **0** / 1mm/step]
024	Custom Paper 024	ENG	[-5 to 10 / **0** / 1mm/step]
025	Custom Paper 025	ENG	[-5 to 10 / **0** / 1mm/step]
026	Custom Paper 026	ENG	[-5 to 10 / **0** / 1mm/step]
027	Custom Paper 027	ENG	[-5 to 10 / **0** / 1mm/step]
028	Custom Paper 028	ENG	[-5 to 10 / **0** / 1mm/step]
029	Custom Paper 029	ENG	[-5 to 10 / **0** / 1mm/step]
030	Custom Paper 030	ENG	[-5 to 10 / **0** / 1mm/step]
031	Custom Paper 031	ENG	[-5 to 10 / **0** / 1mm/step]
032	Custom Paper 032	ENG	[-5 to 10 / **0** / 1mm/step]
033	Custom Paper 033	ENG	[-5 to 10 / **0** / 1mm/step]
034	Custom Paper 034	ENG	[-5 to 10 / **0** / 1mm/step]
035	Custom Paper 035	ENG	[-5 to 10 / **0** / 1mm/step]
036	Custom Paper 036	ENG	[-5 to 10 / **0** / 1mm/step]
037	Custom Paper 037	ENG	[-5 to 10 / **0** / 1mm/step]
038	Custom Paper 038	ENG	[-5 to 10 / **0** / 1mm/step]
039	Custom Paper 039	ENG	[-5 to 10 / **0** / 1mm/step]
040	Custom Paper 040	ENG	[-5 to 10 / **0** / 1mm/step]
041	Custom Paper 041	ENG	[-5 to 10 / **0** / 1mm/step]
042	Custom Paper 042	ENG	[-5 to 10 / **0** / 1mm/step]

043	Custom Paper 043	ENG	[-5 to 10 / **0** / 1mm/step]
044	Custom Paper 044	ENG	[-5 to 10 / **0** / 1mm/step]
045	Custom Paper 045	ENG	[-5 to 10 / **0** / 1mm/step]
046	Custom Paper 046	ENG	[-5 to 10 / **0** / 1mm/step]
047	Custom Paper 047	ENG	[-5 to 10 / **0** / 1mm/step]
048	Custom Paper 048	ENG	[-5 to 10 / **0** / 1mm/step]
049	Custom Paper 049	ENG	[-5 to 10 / **0** / 1mm/step]
050	Custom Paper 050	ENG	[-5 to 10 / **0** / 1mm/step]
051	Custom Paper 051	ENG	[-5 to 10 / **0** / 1mm/step]
052	Custom Paper 052	ENG	[-5 to 10 / **0** / 1mm/step]
053	Custom Paper 053	ENG	[-5 to 10 / **0** / 1mm/step]
054	Custom Paper 054	ENG	[-5 to 10 / **0** / 1mm/step]
055	Custom Paper 055	ENG	[-5 to 10 / **0** / 1mm/step]
056	Custom Paper 056	ENG	[-5 to 10 / **0** / 1mm/step]
057	Custom Paper 057	ENG	[-5 to 10 / **0** / 1mm/step]
058	Custom Paper 058	ENG	[-5 to 10 / **0** / 1mm/step]
059	Custom Paper 059	ENG	[-5 to 10 / **0** / 1mm/step]
060	Custom Paper 060	ENG	[-5 to 10 / **0** / 1mm/step]
061	Custom Paper 061	ENG	[-5 to 10 / **0** / 1mm/step]
062	Custom Paper 062	ENG	[-5 to 10 / **0** / 1mm/step]
063	Custom Paper 063	ENG	[-5 to 10 / **0** / 1mm/step]
064	Custom Paper 064	ENG	[-5 to 10 / **0** / 1mm/step]
065	Custom Paper 065	ENG	[-5 to 10 / **0** / 1mm/step]
066	Custom Paper 066	ENG	[-5 to 10 / **0** / 1mm/step]
067	Custom Paper 067	ENG	[-5 to 10 / **0** / 1mm/step]
068	Custom Paper 068	ENG	[-5 to 10 / **0** / 1mm/step]

069	Custom Paper 069	ENG	[-5 to 10 / **0** / 1mm/step]
070	Custom Paper 070	ENG	[-5 to 10 / **0** / 1mm/step]
071	Custom Paper 071	ENG	[-5 to 10 / **0** / 1mm/step]
072	Custom Paper 072	ENG	[-5 to 10 / **0** / 1mm/step]
073	Custom Paper 073	ENG	[-5 to 10 / **0** / 1mm/step]
074	Custom Paper 074	ENG	[-5 to 10 / **0** / 1mm/step]
075	Custom Paper 075	ENG	[-5 to 10 / **0** / 1mm/step]
076	Custom Paper 076	ENG	[-5 to 10 / **0** / 1mm/step]
077	Custom Paper 077	ENG	[-5 to 10 / **0** / 1mm/step]
078	Custom Paper 078	ENG	[-5 to 10 / **0** / 1mm/step]
079	Custom Paper 079	ENG	[-5 to 10 / **0** / 1mm/step]
080	Custom Paper 080	ENG	[-5 to 10 / **0** / 1mm/step]
081	Custom Paper 081	ENG	[-5 to 10 / **0** / 1mm/step]
082	Custom Paper 082	ENG	[-5 to 10 / **0** / 1mm/step]
083	Custom Paper 083	ENG	[-5 to 10 / **0** / 1mm/step]
084	Custom Paper 084	ENG	[-5 to 10 / **0** / 1mm/step]
085	Custom Paper 085	ENG	[-5 to 10 / **0** / 1mm/step]
086	Custom Paper 086	ENG	[-5 to 10 / **0** / 1mm/step]
087	Custom Paper 087	ENG	[-5 to 10 / **0** / 1mm/step]
088	Custom Paper 088	ENG	[-5 to 10 / **0** / 1mm/step]
089	Custom Paper 089	ENG	[-5 to 10 / **0** / 1mm/step]
090	Custom Paper 090	ENG	[-5 to 10 / **0** / 1mm/step]
091	Custom Paper 091	ENG	[-5 to 10 / **0** / 1mm/step]
092	Custom Paper 092	ENG	[-5 to 10 / **0** / 1mm/step]
093	Custom Paper 093	ENG	[-5 to 10 / **0** / 1mm/step]
094	Custom Paper 094	ENG	[-5 to 10 / **0** / 1mm/step]

095	Custom Paper 095	ENG	[-5 to 10 / **0** / 1mm/step]
096	Custom Paper 096	ENG	[-5 to 10 / **0** / 1mm/step]
097	Custom Paper 097	ENG	[-5 to 10 / **0** / 1mm/step]
098	Custom Paper 098	ENG	[-5 to 10 / **0** / 1mm/step]
099	Custom Paper 099	ENG	[-5 to 10 / **0** / 1mm/step]
100	Custom Paper 100	ENG	[-5 to 10 / **0** / 1mm/step]

2843	**[PTR Sep Timing] *D137/D138 only**		
	Sets PTR Separation Timing for Shock Jitter Canceling for Custom Paper.		
001	Custom Paper 001	ENG	[-10 to 5 / **0** / 1mm/step]
002	Custom Paper 002	ENG	[-10 to 5 / **0** / 1mm/step]
003	Custom Paper 003	ENG	[-10 to 5 / **0** / 1mm/step]
004	Custom Paper 004	ENG	[-10 to 5 / **0** / 1mm/step]
005	Custom Paper 005	ENG	[-10 to 5 / **0** / 1mm/step]
006	Custom Paper 006	ENG	[-10 to 5 / **0** / 1mm/step]
007	Custom Paper 007	ENG	[-10 to 5 / **0** / 1mm/step]
008	Custom Paper 008	ENG	[-10 to 5 / **0** / 1mm/step]
009	Custom Paper 009	ENG	[-10 to 5 / **0** / 1mm/step]
010	Custom Paper 010	ENG	[-10 to 5 / **0** / 1mm/step]
011	Custom Paper 011	ENG	[-10 to 5 / **0** / 1mm/step]
012	Custom Paper 012	ENG	[-10 to 5 / **0** / 1mm/step]
013	Custom Paper 013	ENG	[-10 to 5 / **0** / 1mm/step]
014	Custom Paper 014	ENG	[-10 to 5 / **0** / 1mm/step]
015	Custom Paper 015	ENG	[-10 to 5 / **0** / 1mm/step]
016	Custom Paper 016	ENG	[-10 to 5 / **0** / 1mm/step]
017	Custom Paper 017	ENG	[-10 to 5 / **0** / 1mm/step]

018	Custom Paper 018	ENG	[-10 to 5 / **0** / 1mm/step]
019	Custom Paper 019	ENG	[-10 to 5 / **0** / 1mm/step]
020	Custom Paper 020	ENG	[-10 to 5 / **0** / 1mm/step]
021	Custom Paper 021	ENG	[-10 to 5 / **0** / 1mm/step]
022	Custom Paper 022	ENG	[-10 to 5 / **0** / 1mm/step]
023	Custom Paper 023	ENG	[-10 to 5 / **0** / 1mm/step]
024	Custom Paper 024	ENG	[-10 to 5 / **0** / 1mm/step]
025	Custom Paper 025	ENG	[-10 to 5 / **0** / 1mm/step]
026	Custom Paper 026	ENG	[-10 to 5 / **0** / 1mm/step]
027	Custom Paper 027	ENG	[-10 to 5 / **0** / 1mm/step]
028	Custom Paper 028	ENG	[-10 to 5 / **0** / 1mm/step]
029	Custom Paper 029	ENG	[-10 to 5 / **0** / 1mm/step]
030	Custom Paper 030	ENG	[-10 to 5 / **0** / 1mm/step]
031	Custom Paper 031	ENG	[-10 to 5 / **0** / 1mm/step]
032	Custom Paper 032	ENG	[-10 to 5 / **0** / 1mm/step]
033	Custom Paper 033	ENG	[-10 to 5 / **0** / 1mm/step]
034	Custom Paper 034	ENG	[-10 to 5 / **0** / 1mm/step]
035	Custom Paper 035	ENG	[-10 to 5 / **0** / 1mm/step]
036	Custom Paper 036	ENG	[-10 to 5 / **0** / 1mm/step]
037	Custom Paper 037	ENG	[-10 to 5 / **0** / 1mm/step]
038	Custom Paper 038	ENG	[-10 to 5 / **0** / 1mm/step]
039	Custom Paper 039	ENG	[-10 to 5 / **0** / 1mm/step]
040	Custom Paper 040	ENG	[-10 to 5 / **0** / 1mm/step]
041	Custom Paper 041	ENG	[-10 to 5 / **0** / 1mm/step]
042	Custom Paper 042	ENG	[-10 to 5 / **0** / 1mm/step]
043	Custom Paper 043	ENG	[-10 to 5 / **0** / 1mm/step]

044	Custom Paper 044	ENG	[-10 to 5 / **0** / 1mm/step]
045	Custom Paper 045	ENG	[-10 to 5 / **0** / 1mm/step]
046	Custom Paper 046	ENG	[-10 to 5 / **0** / 1mm/step]
047	Custom Paper 047	ENG	[-10 to 5 / **0** / 1mm/step]
048	Custom Paper 048	ENG	[-10 to 5 / **0** / 1mm/step]
049	Custom Paper 049	ENG	[-10 to 5 / **0** / 1mm/step]
050	Custom Paper 050	ENG	[-10 to 5 / **0** / 1mm/step]
051	Custom Paper 051	ENG	[-10 to 5 / **0** / 1mm/step]
052	Custom Paper 052	ENG	[-10 to 5 / **0** / 1mm/step]
053	Custom Paper 053	ENG	[-10 to 5 / **0** / 1mm/step]
054	Custom Paper 054	ENG	[-10 to 5 / **0** / 1mm/step]
055	Custom Paper 055	ENG	[-10 to 5 / **0** / 1mm/step]
056	Custom Paper 056	ENG	[-10 to 5 / **0** / 1mm/step]
057	Custom Paper 057	ENG	[-10 to 5 / **0** / 1mm/step]
058	Custom Paper 058	ENG	[-10 to 5 / **0** / 1mm/step]
059	Custom Paper 059	ENG	[-10 to 5 / **0** / 1mm/step]
060	Custom Paper 060	ENG	[-10 to 5 / **0** / 1mm/step]
061	Custom Paper 061	ENG	[-10 to 5 / **0** / 1mm/step]
062	Custom Paper 062	ENG	[-10 to 5 / **0** / 1mm/step]
063	Custom Paper 063	ENG	[-10 to 5 / **0** / 1mm/step]
064	Custom Paper 064	ENG	[-10 to 5 / **0** / 1mm/step]
065	Custom Paper 065	ENG	[-10 to 5 / **0** / 1mm/step]
066	Custom Paper 066	ENG	[-10 to 5 / **0** / 1mm/step]
067	Custom Paper 067	ENG	[-10 to 5 / **0** / 1mm/step]
068	Custom Paper 068	ENG	[-10 to 5 / **0** / 1mm/step]
069	Custom Paper 069	ENG	[-10 to 5 / **0** / 1mm/step]

070	Custom Paper 070	ENG	[-10 to 5 / **0** / 1mm/step]
071	Custom Paper 071	ENG	[-10 to 5 / **0** / 1mm/step]
072	Custom Paper 072	ENG	[-10 to 5 / **0** / 1mm/step]
073	Custom Paper 073	ENG	[-10 to 5 / **0** / 1mm/step]
074	Custom Paper 074	ENG	[-10 to 5 / **0** / 1mm/step]
075	Custom Paper 075	ENG	[-10 to 5 / **0** / 1mm/step]
076	Custom Paper 076	ENG	[-10 to 5 / **0** / 1mm/step]
077	Custom Paper 077	ENG	[-10 to 5 / **0** / 1mm/step]
078	Custom Paper 078	ENG	[-10 to 5 / **0** / 1mm/step]
079	Custom Paper 079	ENG	[-10 to 5 / **0** / 1mm/step]
080	Custom Paper 080	ENG	[-10 to 5 / **0** / 1mm/step]
081	Custom Paper 081	ENG	[-10 to 5 / **0** / 1mm/step]
082	Custom Paper 082	ENG	[-10 to 5 / **0** / 1mm/step]
083	Custom Paper 083	ENG	[-10 to 5 / **0** / 1mm/step]
084	Custom Paper 084	ENG	[-10 to 5 / **0** / 1mm/step]
085	Custom Paper 085	ENG	[-10 to 5 / **0** / 1mm/step]
086	Custom Paper 086	ENG	[-10 to 5 / **0** / 1mm/step]
087	Custom Paper 087	ENG	[-10 to 5 / **0** / 1mm/step]
088	Custom Paper 088	ENG	[-10 to 5 / **0** / 1mm/step]
089	Custom Paper 089	ENG	[-10 to 5 / **0** / 1mm/step]
090	Custom Paper 090	ENG	[-10 to 5 / **0** / 1mm/step]
091	Custom Paper 091	ENG	[-10 to 5 / **0** / 1mm/step]
092	Custom Paper 092	ENG	[-10 to 5 / **0** / 1mm/step]
093	Custom Paper 093	ENG	[-10 to 5 / **0** / 1mm/step]
094	Custom Paper 094	ENG	[-10 to 5 / **0** / 1mm/step]
095	Custom Paper 095	ENG	[-10 to 5 / **0** / 1mm/step]

096	Custom Paper 096	ENG	[-10 to 5 / **0** / 1mm/step]
097	Custom Paper 097	ENG	[-10 to 5 / **0** / 1mm/step]
098	Custom Paper 098	ENG	[-10 to 5 / **0** / 1mm/step]
099	Custom Paper 099	ENG	[-10 to 5 / **0** / 1mm/step]
100	Custom Paper 100	ENG	[-10 to 5 / **0** / 1mm/step]

4.4 SP2-850 TO 953 (DRUM)

2850	**[PTR AC Mode] *D137/D138 only**		
	ON/OFF settings for Concave-Convex Transfer Mode (AC Transfer) for Custom Paper. Set 1: ON, Unset 0: OFF		
001	Custom Paper 001	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
002	Custom Paper 002	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
003	Custom Paper 003	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
004	Custom Paper 004	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
005	Custom Paper 005	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
006	Custom Paper 006	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
007	Custom Paper 007	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
008	Custom Paper 008	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
009	Custom Paper 009	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

010	Custom Paper 010	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
011	Custom Paper 011	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
012	Custom Paper 012	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
013	Custom Paper 013	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
014	Custom Paper 014	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
015	Custom Paper 015	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
016	Custom Paper 016	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
017	Custom Paper 017	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
018	Custom Paper 018	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
019	Custom Paper 019	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
020	Custom Paper 020	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

021	Custom Paper 021	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
022	Custom Paper 022	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
023	Custom Paper 023	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
024	Custom Paper 024	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
025	Custom Paper 025	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
026	Custom Paper 026	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
027	Custom Paper 027	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
028	Custom Paper 028	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
029	Custom Paper 029	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
030	Custom Paper 030	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
031	Custom Paper 031	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

032	Custom Paper 032	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
033	Custom Paper 033	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
034	Custom Paper 034	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
035	Custom Paper 035	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
036	Custom Paper 036	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
037	Custom Paper 037	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
038	Custom Paper 038	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
039	Custom Paper 039	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
040	Custom Paper 040	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
041	Custom Paper 041	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
042	Custom Paper 042	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

043	Custom Paper 043	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
044	Custom Paper 044	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
045	Custom Paper 045	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
046	Custom Paper 046	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
047	Custom Paper 047	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
048	Custom Paper 048	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
049	Custom Paper 049	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
050	Custom Paper 050	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
051	Custom Paper 051	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
052	Custom Paper 052	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
053	Custom Paper 053	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

054	Custom Paper 054	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
055	Custom Paper 055	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
056	Custom Paper 056	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
057	Custom Paper 057	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
058	Custom Paper 058	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
059	Custom Paper 059	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
060	Custom Paper 060	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
061	Custom Paper 061	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
062	Custom Paper 062	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
063	Custom Paper 063	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
064	Custom Paper 064	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

065	Custom Paper 065	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
066	Custom Paper 066	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
067	Custom Paper 067	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
068	Custom Paper 068	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
069	Custom Paper 069	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
070	Custom Paper 070	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
071	Custom Paper 071	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
072	Custom Paper 072	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
073	Custom Paper 073	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
074	Custom Paper 074	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
075	Custom Paper 075	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

076	Custom Paper 076	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
077	Custom Paper 077	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
078	Custom Paper 078	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
079	Custom Paper 079	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
080	Custom Paper 080	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
081	Custom Paper 081	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
082	Custom Paper 082	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
083	Custom Paper 083	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
084	Custom Paper 084	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
085	Custom Paper 085	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
086	Custom Paper 086	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

087	Custom Paper 087	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
088	Custom Paper 088	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
089	Custom Paper 089	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
090	Custom Paper 090	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
091	Custom Paper 091	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
092	Custom Paper 092	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
093	Custom Paper 093	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
094	Custom Paper 094	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
095	Custom Paper 095	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
096	Custom Paper 096	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
097	Custom Paper 097	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

098	Custom Paper 098	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
099	Custom Paper 099	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF
100	Custom Paper 100	ENG	[0 or 1 / **0** / 1/step] 1:ON 0:OFF

2851	**[PTR AC:BW:Side1] *D137/D138 only**		
	Sets PTR AC Output Standard Value K for BW Mode/Side 1 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

2852	**[PTR AC:BW:Side2] *D137/D138 only**		
	Sets PTR AC Output Standard Value K for BW Mode/Side 2 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

2853	**[PTR AC:FC:Side1] *D137/D138 only**		
	Sets PTR AC Output Standard Value K for FC Mode/Side 1 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

2854	**[PTR AC:FC:Side2] *D137/D138 only**		
	Sets PTR AC Output Standard Value K for FC Mode/Side 2 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 14.0 / **8.0** / 0.1kV/step]

2855	**[PTR AC:Frequency] *D137/D138 only**		
	Sets PTR AC Output Frequency for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[400 to 1200 / **500** / 1Hz/step]
002	Custom Paper 002	ENG	[400 to 1200 / **500** / 1Hz/step]
003	Custom Paper 003	ENG	[400 to 1200 / **500** / 1Hz/step]
004	Custom Paper 004	ENG	[400 to 1200 / **500** / 1Hz/step]
005	Custom Paper 005	ENG	[400 to 1200 / **500** / 1Hz/step]
006	Custom Paper 006	ENG	[400 to 1200 / **500** / 1Hz/step]
007	Custom Paper 007	ENG	[400 to 1200 / **500** / 1Hz/step]
008	Custom Paper 008	ENG	[400 to 1200 / **500** / 1Hz/step]
009	Custom Paper 009	ENG	[400 to 1200 / **500** / 1Hz/step]
010	Custom Paper 010	ENG	[400 to 1200 / **500** / 1Hz/step]
011	Custom Paper 011	ENG	[400 to 1200 / **500** / 1Hz/step]
012	Custom Paper 012	ENG	[400 to 1200 / **500** / 1Hz/step]
013	Custom Paper 013	ENG	[400 to 1200 / **500** / 1Hz/step]
014	Custom Paper 014	ENG	[400 to 1200 / **500** / 1Hz/step]
015	Custom Paper 015	ENG	[400 to 1200 / **500** / 1Hz/step]

016	Custom Paper 016	ENG	[400 to 1200 / **500** / 1Hz/step]
017	Custom Paper 017	ENG	[400 to 1200 / **500** / 1Hz/step]
018	Custom Paper 018	ENG	[400 to 1200 / **500** / 1Hz/step]
019	Custom Paper 019	ENG	[400 to 1200 / **500** / 1Hz/step]
020	Custom Paper 020	ENG	[400 to 1200 / **500** / 1Hz/step]
021	Custom Paper 021	ENG	[400 to 1200 / **500** / 1Hz/step]
022	Custom Paper 022	ENG	[400 to 1200 / **500** / 1Hz/step]
023	Custom Paper 023	ENG	[400 to 1200 / **500** / 1Hz/step]
024	Custom Paper 024	ENG	[400 to 1200 / **500** / 1Hz/step]
025	Custom Paper 025	ENG	[400 to 1200 / **500** / 1Hz/step]
026	Custom Paper 026	ENG	[400 to 1200 / **500** / 1Hz/step]
027	Custom Paper 027	ENG	[400 to 1200 / **500** / 1Hz/step]
028	Custom Paper 028	ENG	[400 to 1200 / **500** / 1Hz/step]
029	Custom Paper 029	ENG	[400 to 1200 / **500** / 1Hz/step]
030	Custom Paper 030	ENG	[400 to 1200 / **500** / 1Hz/step]
031	Custom Paper 031	ENG	[400 to 1200 / **500** / 1Hz/step]
032	Custom Paper 032	ENG	[400 to 1200 / **500** / 1Hz/step]
033	Custom Paper 033	ENG	[400 to 1200 / **500** / 1Hz/step]
034	Custom Paper 034	ENG	[400 to 1200 / **500** / 1Hz/step]
035	Custom Paper 035	ENG	[400 to 1200 / **500** / 1Hz/step]
036	Custom Paper 036	ENG	[400 to 1200 / **500** / 1Hz/step]
037	Custom Paper 037	ENG	[400 to 1200 / **500** / 1Hz/step]
038	Custom Paper 038	ENG	[400 to 1200 / **500** / 1Hz/step]
039	Custom Paper 039	ENG	[400 to 1200 / **500** / 1Hz/step]
040	Custom Paper 040	ENG	[400 to 1200 / **500** / 1Hz/step]
041	Custom Paper 041	ENG	[400 to 1200 / **500** / 1Hz/step]

042	Custom Paper 042	ENG	[400 to 1200 / **500** / 1Hz/step]
043	Custom Paper 043	ENG	[400 to 1200 / **500** / 1Hz/step]
044	Custom Paper 044	ENG	[400 to 1200 / **500** / 1Hz/step]
045	Custom Paper 045	ENG	[400 to 1200 / **500** / 1Hz/step]
046	Custom Paper 046	ENG	[400 to 1200 / **500** / 1Hz/step]
047	Custom Paper 047	ENG	[400 to 1200 / **500** / 1Hz/step]
048	Custom Paper 048	ENG	[400 to 1200 / **500** / 1Hz/step]
049	Custom Paper 049	ENG	[400 to 1200 / **500** / 1Hz/step]
050	Custom Paper 050	ENG	[400 to 1200 / **500** / 1Hz/step]
051	Custom Paper 051	ENG	[400 to 1200 / **500** / 1Hz/step]
052	Custom Paper 052	ENG	[400 to 1200 / **500** / 1Hz/step]
053	Custom Paper 053	ENG	[400 to 1200 / **500** / 1Hz/step]
054	Custom Paper 054	ENG	[400 to 1200 / **500** / 1Hz/step]
055	Custom Paper 055	ENG	[400 to 1200 / **500** / 1Hz/step]
056	Custom Paper 056	ENG	[400 to 1200 / **500** / 1Hz/step]
057	Custom Paper 057	ENG	[400 to 1200 / **500** / 1Hz/step]
058	Custom Paper 058	ENG	[400 to 1200 / **500** / 1Hz/step]
059	Custom Paper 059	ENG	[400 to 1200 / **500** / 1Hz/step]
060	Custom Paper 060	ENG	[400 to 1200 / **500** / 1Hz/step]
061	Custom Paper 061	ENG	[400 to 1200 / **500** / 1Hz/step]
062	Custom Paper 062	ENG	[400 to 1200 / **500** / 1Hz/step]
063	Custom Paper 063	ENG	[400 to 1200 / **500** / 1Hz/step]
064	Custom Paper 064	ENG	[400 to 1200 / **500** / 1Hz/step]
065	Custom Paper 065	ENG	[400 to 1200 / **500** / 1Hz/step]
066	Custom Paper 066	ENG	[400 to 1200 / **500** / 1Hz/step]
067	Custom Paper 067	ENG	[400 to 1200 / **500** / 1Hz/step]

068	Custom Paper 068	ENG	[400 to 1200 / **500** / 1Hz/step]
069	Custom Paper 069	ENG	[400 to 1200 / **500** / 1Hz/step]
070	Custom Paper 070	ENG	[400 to 1200 / **500** / 1Hz/step]
071	Custom Paper 071	ENG	[400 to 1200 / **500** / 1Hz/step]
072	Custom Paper 072	ENG	[400 to 1200 / **500** / 1Hz/step]
073	Custom Paper 073	ENG	[400 to 1200 / **500** / 1Hz/step]
074	Custom Paper 074	ENG	[400 to 1200 / **500** / 1Hz/step]
075	Custom Paper 075	ENG	[400 to 1200 / **500** / 1Hz/step]
076	Custom Paper 076	ENG	[400 to 1200 / **500** / 1Hz/step]
077	Custom Paper 077	ENG	[400 to 1200 / **500** / 1Hz/step]
078	Custom Paper 078	ENG	[400 to 1200 / **500** / 1Hz/step]
079	Custom Paper 079	ENG	[400 to 1200 / **500** / 1Hz/step]
080	Custom Paper 080	ENG	[400 to 1200 / **500** / 1Hz/step]
081	Custom Paper 081	ENG	[400 to 1200 / **500** / 1Hz/step]
082	Custom Paper 082	ENG	[400 to 1200 / **500** / 1Hz/step]
083	Custom Paper 083	ENG	[400 to 1200 / **500** / 1Hz/step]
084	Custom Paper 084	ENG	[400 to 1200 / **500** / 1Hz/step]
085	Custom Paper 085	ENG	[400 to 1200 / **500** / 1Hz/step]
086	Custom Paper 086	ENG	[400 to 1200 / **500** / 1Hz/step]
087	Custom Paper 087	ENG	[400 to 1200 / **500** / 1Hz/step]
088	Custom Paper 088	ENG	[400 to 1200 / **500** / 1Hz/step]
089	Custom Paper 089	ENG	[400 to 1200 / **500** / 1Hz/step]
090	Custom Paper 090	ENG	[400 to 1200 / **500** / 1Hz/step]
091	Custom Paper 091	ENG	[400 to 1200 / **500** / 1Hz/step]
092	Custom Paper 092	ENG	[400 to 1200 / **500** / 1Hz/step]
093	Custom Paper 093	ENG	[400 to 1200 / **500** / 1Hz/step]

094	Custom Paper 094	ENG	[400 to 1200 / **500** / 1Hz/step]
095	Custom Paper 095	ENG	[400 to 1200 / **500** / 1Hz/step]
096	Custom Paper 096	ENG	[400 to 1200 / **500** / 1Hz/step]
097	Custom Paper 097	ENG	[400 to 1200 / **500** / 1Hz/step]
098	Custom Paper 098	ENG	[400 to 1200 / **500** / 1Hz/step]
099	Custom Paper 099	ENG	[400 to 1200 / **500** / 1Hz/step]
100	Custom Paper 100	ENG	[400 to 1200 / **500** / 1Hz/step]

2856	**[PTR AC:Duty Cycle] *D137/D138 only**		
	Sets PTR AC Output Duty Cycle for executing Concave-Convex Transfer Mode for Custom Paper.		
001	Custom Paper 001	ENG	[5 to 50 / **12** / 1%/step]
002	Custom Paper 002	ENG	[5 to 50 / **12** / 1%/step]
003	Custom Paper 003	ENG	[5 to 50 / **12** / 1%/step]
004	Custom Paper 004	ENG	[5 to 50 / **12** / 1%/step]
005	Custom Paper 005	ENG	[5 to 50 / **12** / 1%/step]
006	Custom Paper 006	ENG	[5 to 50 / **12** / 1%/step]
007	Custom Paper 007	ENG	[5 to 50 / **12** / 1%/step]
008	Custom Paper 008	ENG	[5 to 50 / **12** / 1%/step]
009	Custom Paper 009	ENG	[5 to 50 / **12** / 1%/step]
010	Custom Paper 010	ENG	[5 to 50 / **12** / 1%/step]
011	Custom Paper 011	ENG	[5 to 50 / **12** / 1%/step]
012	Custom Paper 012	ENG	[5 to 50 / **12** / 1%/step]
013	Custom Paper 013	ENG	[5 to 50 / **12** / 1%/step]
014	Custom Paper 014	ENG	[5 to 50 / **12** / 1%/step]
015	Custom Paper 015	ENG	[5 to 50 / **12** / 1%/step]

016	Custom Paper 016	ENG	[5 to 50 / **12** / 1%/step]
017	Custom Paper 017	ENG	[5 to 50 / **12** / 1%/step]
018	Custom Paper 018	ENG	[5 to 50 / **12** / 1%/step]
019	Custom Paper 019	ENG	[5 to 50 / **12** / 1%/step]
020	Custom Paper 020	ENG	[5 to 50 / **12** / 1%/step]
021	Custom Paper 021	ENG	[5 to 50 / **12** / 1%/step]
022	Custom Paper 022	ENG	[5 to 50 / **12** / 1%/step]
023	Custom Paper 023	ENG	[5 to 50 / **12** / 1%/step]
024	Custom Paper 024	ENG	[5 to 50 / **12** / 1%/step]
025	Custom Paper 025	ENG	[5 to 50 / **12** / 1%/step]
026	Custom Paper 026	ENG	[5 to 50 / **12** / 1%/step]
027	Custom Paper 027	ENG	[5 to 50 / **12** / 1%/step]
028	Custom Paper 028	ENG	[5 to 50 / **12** / 1%/step]
029	Custom Paper 029	ENG	[5 to 50 / **12** / 1%/step]
030	Custom Paper 030	ENG	[5 to 50 / **12** / 1%/step]
031	Custom Paper 031	ENG	[5 to 50 / **12** / 1%/step]
032	Custom Paper 032	ENG	[5 to 50 / **12** / 1%/step]
033	Custom Paper 033	ENG	[5 to 50 / **12** / 1%/step]
034	Custom Paper 034	ENG	[5 to 50 / **12** / 1%/step]
035	Custom Paper 035	ENG	[5 to 50 / **12** / 1%/step]
036	Custom Paper 036	ENG	[5 to 50 / **12** / 1%/step]
037	Custom Paper 037	ENG	[5 to 50 / **12** / 1%/step]
038	Custom Paper 038	ENG	[5 to 50 / **12** / 1%/step]
039	Custom Paper 039	ENG	[5 to 50 / **12** / 1%/step]
040	Custom Paper 040	ENG	[5 to 50 / **12** / 1%/step]
041	Custom Paper 041	ENG	[5 to 50 / **12** / 1%/step]

042	Custom Paper 042	ENG	[5 to 50 / **12** / 1%/step]
043	Custom Paper 043	ENG	[5 to 50 / **12** / 1%/step]
044	Custom Paper 044	ENG	[5 to 50 / **12** / 1%/step]
045	Custom Paper 045	ENG	[5 to 50 / **12** / 1%/step]
046	Custom Paper 046	ENG	[5 to 50 / **12** / 1%/step]
047	Custom Paper 047	ENG	[5 to 50 / **12** / 1%/step]
048	Custom Paper 048	ENG	[5 to 50 / **12** / 1%/step]
049	Custom Paper 049	ENG	[5 to 50 / **12** / 1%/step]
050	Custom Paper 050	ENG	[5 to 50 / **12** / 1%/step]
051	Custom Paper 051	ENG	[5 to 50 / **12** / 1%/step]
052	Custom Paper 052	ENG	[5 to 50 / **12** / 1%/step]
053	Custom Paper 053	ENG	[5 to 50 / **12** / 1%/step]
054	Custom Paper 054	ENG	[5 to 50 / **12** / 1%/step]
055	Custom Paper 055	ENG	[5 to 50 / **12** / 1%/step]
056	Custom Paper 056	ENG	[5 to 50 / **12** / 1%/step]
057	Custom Paper 057	ENG	[5 to 50 / **12** / 1%/step]
058	Custom Paper 058	ENG	[5 to 50 / **12** / 1%/step]
059	Custom Paper 059	ENG	[5 to 50 / **12** / 1%/step]
060	Custom Paper 060	ENG	[5 to 50 / **12** / 1%/step]
061	Custom Paper 061	ENG	[5 to 50 / **12** / 1%/step]
062	Custom Paper 062	ENG	[5 to 50 / **12** / 1%/step]
063	Custom Paper 063	ENG	[5 to 50 / **12** / 1%/step]
064	Custom Paper 064	ENG	[5 to 50 / **12** / 1%/step]
065	Custom Paper 065	ENG	[5 to 50 / **12** / 1%/step]
066	Custom Paper 066	ENG	[5 to 50 / **12** / 1%/step]
067	Custom Paper 067	ENG	[5 to 50 / **12** / 1%/step]

068	Custom Paper 068	ENG	[5 to 50 / **12** / 1%/step]
069	Custom Paper 069	ENG	[5 to 50 / **12** / 1%/step]
070	Custom Paper 070	ENG	[5 to 50 / **12** / 1%/step]
071	Custom Paper 071	ENG	[5 to 50 / **12** / 1%/step]
072	Custom Paper 072	ENG	[5 to 50 / **12** / 1%/step]
073	Custom Paper 073	ENG	[5 to 50 / **12** / 1%/step]
074	Custom Paper 074	ENG	[5 to 50 / **12** / 1%/step]
075	Custom Paper 075	ENG	[5 to 50 / **12** / 1%/step]
076	Custom Paper 076	ENG	[5 to 50 / **12** / 1%/step]
077	Custom Paper 077	ENG	[5 to 50 / **12** / 1%/step]
078	Custom Paper 078	ENG	[5 to 50 / **12** / 1%/step]
079	Custom Paper 079	ENG	[5 to 50 / **12** / 1%/step]
080	Custom Paper 080	ENG	[5 to 50 / **12** / 1%/step]
081	Custom Paper 081	ENG	[5 to 50 / **12** / 1%/step]
082	Custom Paper 082	ENG	[5 to 50 / **12** / 1%/step]
083	Custom Paper 083	ENG	[5 to 50 / **12** / 1%/step]
084	Custom Paper 084	ENG	[5 to 50 / **12** / 1%/step]
085	Custom Paper 085	ENG	[5 to 50 / **12** / 1%/step]
086	Custom Paper 086	ENG	[5 to 50 / **12** / 1%/step]
087	Custom Paper 087	ENG	[5 to 50 / **12** / 1%/step]
088	Custom Paper 088	ENG	[5 to 50 / **12** / 1%/step]
089	Custom Paper 089	ENG	[5 to 50 / **12** / 1%/step]
090	Custom Paper 090	ENG	[5 to 50 / **12** / 1%/step]
091	Custom Paper 091	ENG	[5 to 50 / **12** / 1%/step]
092	Custom Paper 092	ENG	[5 to 50 / **12** / 1%/step]
093	Custom Paper 093	ENG	[5 to 50 / **12** / 1%/step]

094	Custom Paper 094	ENG	[5 to 50 / **12** / 1%/step]
095	Custom Paper 095	ENG	[5 to 50 / **12** / 1%/step]
096	Custom Paper 096	ENG	[5 to 50 / **12** / 1%/step]
097	Custom Paper 097	ENG	[5 to 50 / **12** / 1%/step]
098	Custom Paper 098	ENG	[5 to 50 / **12** / 1%/step]
099	Custom Paper 099	ENG	[5 to 50 / **12** / 1%/step]
100	Custom Paper 100	ENG	[5 to 50 / **12** / 1%/step]

2857	**[PTR AC:SepAC:Side1] *D137/D138 only**		
	Sets Separation AC Output Standard Value K for Side 1 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

2858	**[PTR AC:SepAC:Side2] *D137/D138 only**		
	Sets Separation AC Output Standard Value K for Side 2 for Custom Paper when executing Concave-Convex Transfer Mode.		
001	Custom Paper 001	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
002	Custom Paper 002	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
003	Custom Paper 003	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
004	Custom Paper 004	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
005	Custom Paper 005	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
006	Custom Paper 006	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
007	Custom Paper 007	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
008	Custom Paper 008	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
009	Custom Paper 009	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
010	Custom Paper 010	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
011	Custom Paper 011	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
012	Custom Paper 012	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
013	Custom Paper 013	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
014	Custom Paper 014	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
015	Custom Paper 015	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

016	Custom Paper 016	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
017	Custom Paper 017	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
018	Custom Paper 018	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
019	Custom Paper 019	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
020	Custom Paper 020	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
021	Custom Paper 021	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
022	Custom Paper 022	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
023	Custom Paper 023	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
024	Custom Paper 024	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
025	Custom Paper 025	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
026	Custom Paper 026	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
027	Custom Paper 027	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
028	Custom Paper 028	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
029	Custom Paper 029	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
030	Custom Paper 030	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
031	Custom Paper 031	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
032	Custom Paper 032	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
033	Custom Paper 033	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
034	Custom Paper 034	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
035	Custom Paper 035	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
036	Custom Paper 036	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
037	Custom Paper 037	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
038	Custom Paper 038	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
039	Custom Paper 039	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
040	Custom Paper 040	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
041	Custom Paper 041	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

042	Custom Paper 042	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
043	Custom Paper 043	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
044	Custom Paper 044	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
045	Custom Paper 045	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
046	Custom Paper 046	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
047	Custom Paper 047	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
048	Custom Paper 048	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
049	Custom Paper 049	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
050	Custom Paper 050	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
051	Custom Paper 051	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
052	Custom Paper 052	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
053	Custom Paper 053	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
054	Custom Paper 054	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
055	Custom Paper 055	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
056	Custom Paper 056	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
057	Custom Paper 057	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
058	Custom Paper 058	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
059	Custom Paper 059	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
060	Custom Paper 060	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
061	Custom Paper 061	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
062	Custom Paper 062	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
063	Custom Paper 063	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
064	Custom Paper 064	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
065	Custom Paper 065	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
066	Custom Paper 066	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
067	Custom Paper 067	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

068	Custom Paper 068	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
069	Custom Paper 069	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
070	Custom Paper 070	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
071	Custom Paper 071	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
072	Custom Paper 072	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
073	Custom Paper 073	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
074	Custom Paper 074	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
075	Custom Paper 075	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
076	Custom Paper 076	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
077	Custom Paper 077	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
078	Custom Paper 078	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
079	Custom Paper 079	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
080	Custom Paper 080	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
081	Custom Paper 081	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
082	Custom Paper 082	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
083	Custom Paper 083	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
084	Custom Paper 084	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
085	Custom Paper 085	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
086	Custom Paper 086	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
087	Custom Paper 087	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
088	Custom Paper 088	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
089	Custom Paper 089	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
090	Custom Paper 090	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
091	Custom Paper 091	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
092	Custom Paper 092	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
093	Custom Paper 093	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

094	Custom Paper 094	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
095	Custom Paper 095	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
096	Custom Paper 096	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
097	Custom Paper 097	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
098	Custom Paper 098	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
099	Custom Paper 099	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]
100	Custom Paper 100	ENG	[0.0 to 12.0 / **0.0** / 0.1kV/step]

2904	**[Prevent Blade Bending]**		
001	Pattern Create Interval	ENG	[0 to 200 / **0** / 1page/step] 0:OFF
	Pattern Create Interval for Prevent Blade Bending 0: OFF Setting		
002	Pattern Light Intensity	ENG	[0 to 15 / **5** / 1/step] Duty 0:White 15:Black(FULL)
	Settings for Writing Light Intensity for Prevent Blade Bending Duty 0: White, 15: Black (FULL)		
003	Op Pg Count Display	*ENG	[0 to 200 / **0** / 1page/step]
	Operation Page Counter Display for Prevent Blade Bending		
004	Set Operation Temp	ENG	[0 to 50 / **40** / 1deg/step]
	Operation Temperature Threshold Value for Prevent Blade Bending		

2905	[Non-stop Used Tnr Botl Replace]		
001	Savings Time Threshold Value	ENG	[0 to 999 / **300** / 1sec/step]
	Settings for Upper Limit for Savings for Non-stop Used Toner Bottle Replace		
002	Discharge Time Threshold Value	ENG	[0 to 999 / **180** / 1sec/step]
	Settings for Upper Limit for Discharge Completion Time for Non-stop Used Toner Bottle Replace		
003	Savings Time Count	*ENG	[0 to 999 / **0** / 1sec/step]
	Settings for Savings Counter for Non-stop Used Toner Bottle Replace		
004	Discharge Time Count	*ENG	[0 to 999 / **0** / 1sec/step]
	Settings for Discharge Counter for Non-stop Used Toner Bottle Replace		

2907	[ACS Setting (FC to Bk)]		
001	Continuous Bk Pages	ENG	[0 to 10 / **5** / 1 sheet/step]
	Sets Continuous Bk Pages Threshold Value when switching ACS. ACS Switching: Switches FC Mode Printing to BW Mode Switching when Bk Single Color Image continues during printing in FC Mode.		

2908	[GainAdj:FeedM1]		
001	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
002	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
003	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
004	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

005	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
006	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
007	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
008	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
009	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
010	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
011	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
012	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
013	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
014	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
015	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
016	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
017	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
018	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
019	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

020	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
021	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
022	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
023	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
024	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
025	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
026	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
027	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
028	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
029	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
030	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
031	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
032	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
033	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
034	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

035	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
036	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
037	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
038	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
039	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
040	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
041	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
042	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
043	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
044	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
045	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
046	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
047	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
048	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
049	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

050	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
051	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
052	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
053	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
054	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
055	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
056	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
057	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
058	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
059	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
060	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
061	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
062	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
063	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
064	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

065	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
066	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
067	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
068	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
069	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
070	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
071	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
072	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
073	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
074	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
075	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
076	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
077	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
078	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
079	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

080	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
081	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
082	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
083	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
084	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
085	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
086	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
087	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
088	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
089	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
090	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
091	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
092	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
093	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
094	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

095	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
096	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
097	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
098	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
099	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
100	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
101	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
102	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
103	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
104	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
105	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
106	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
107	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
108	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
109	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

110	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
111	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
112	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
113	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
114	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
115	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
116	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
117	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
118	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
119	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
120	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
121	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
122	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
123	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
124	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

125	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
126	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
127	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
128	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
129	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
130	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
131	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
132	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
133	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
134	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
135	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
136	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
137	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
138	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
139	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

140	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
141	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
142	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
143	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
144	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
145	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
146	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
147	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
148	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
149	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
150	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
151	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
152	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
153	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
154	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

155	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
156	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
157	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
158	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
159	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
160	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
161	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
162	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
163	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
164	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
165	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
166	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
167	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
168	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
169	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

170	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
171	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
172	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
173	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
174	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
175	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
176	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
177	Speed Detective Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
178	Position Loop Gain	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
179	Proportional Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
180	Integral Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
181	Derivative Gain:PID	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
182	Derivative Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
183	Proportional Gain:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
184	Offset:FF	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

185	Numerator Coefficient:LPF:B0	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
186	Denominator Coefficient:LPF:A1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
187	Denominator Coefficient:LPF:A2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
188	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
189	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
190	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
191	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
192	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
193	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
194	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
195	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
196	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
197	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
198	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
199	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

200	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
201	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
202	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
203	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
204	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
205	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
206	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
207	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
208	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
209	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
210	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
211	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
212	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
213	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
214	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

215	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
216	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
217	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
218	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
219	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
220	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
221	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
222	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
223	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
224	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
225	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
226	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
227	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
228	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
229	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

230	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
231	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
232	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
233	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
234	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
235	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
236	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
237	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
238	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
239	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
240	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
241	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
244	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
245	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
246	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

247	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
248	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
249	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
250	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
251	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
252	Acceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
253	Deceleration1	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
254	Acceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]
255	Deceleration2	ENG	[0.00 to 200.00 / **100.00** / 0.01%/step]

2912	**[Encoder Sn:Adj Light]**		
002	Light Amt Adj:Pass/Fail	*ENG	[0 to 9 / **0** / 1/step]
	Displays the result if ITB FB Sensor Light Amount Adjustment passes or fails (Pass/Fail Judgment Result).		
	E Result Code		
	0	Unfinished	
	1	Successful	
	2	Interrupted	
	7	Only Main Sensor Failed	
	8	Only Sub Sensor Failed	

	9	Both Main and Sub Sensors Failed When E Fails (Result)		
2912	**[Encoder Sn:Adj Light]**			
003	Vref_Disp:Main Setting		*ENG	[0.00 to 2.45 / **0.00** / 0.01V/step]
	This is the item regarding Display/Setting for Light Setting value for Main Sensor of ITB FB Sensor. <Regarding Saving> Saves set PWM Value after executing Light Amount Adjustment for E ITB FB Sensor. Data of PWM Value is given in hexadecimal. <Regarding Display> PWM Value (hexadecimal) is sent from ETDCU and stored.			
004	Vref_Disp:Sub Setting		*ENG	[0.00 to 2.45 / **0.00** / 0.01V/step]
	This is the item regarding Display/Setting for Light Setting value for Sub Sensor of ITB FB Sensor. <Regarding Saving> Saves set PWM Value (Sent from TMB as Command 0x1F) after executing Light Amount Adjustment for E ITB FB Sensor. Data of PWM Value is given in hexadecimal. <Regarding Display> From ETMB			
2912	**[Encoder Sn:Adj Light]**			
005	Analog Out:Main:After F Adj		*ENG	[0.00 to 5.00 / **0.00** / 0.01V/step]
	Displays the result of Analog Output of Main Sensor when executing ITB FB Sensor Light Amount Adjustment. Display Value is ITB FB Sensor Analog Output Voltage. The conversion formula between ITB FB Sensor Analog Output Voltage and Display Value will be shown separately.			
006	Analog Out:Sub:After F Adj		*ENG	[0.00 to 5.00 / **0.00** / 0.01V/step]
	Displays the result of Analog Output of Sub Sensor when executing ITB FB Sensor Light Amount Adjustment. Display Value is ITB FB Sensor Analog Output Voltage. The conversion formula between ITB FB Sensor Analog Output Voltage and Display Value will be shown separately.			

2920	[DriverCtrlON/OFF]		
001	ScaleFB 0:OFF 1:ON	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Scale FB		
002	DrivenFB 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Driven FB		
003	DrivenFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Driven FF Correction Control		
004	Dancing 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Dancing Control		
005	BkDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Bk Drum Control		
006	CDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for C Drum Control		
007	MDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for M Drum Control		
008	YDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for Y Drum Control		
009	BPF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for BPF Control		

2921	[DrivenCtrlCondition]		
001	ScaleFB 0:OFF 1:ON	*ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Scale FB		
002	DrivenFB 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Driven FB		
003	DrivenFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Driven FF Correction Control		
004	Dancing 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Dancing Control		
005	BkDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Bk Drum Control		
006	CDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of C Drum Control		
007	MDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of M Drum Control		
008	YDrumFF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Display for Control Condition of Y Drum Control		
009	BPF 0:OFF 1:ON	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON
	Selecting ON/OFF for BPF Control		

2922	**[CtlErrorCount]**		
001	ScaleFB_Error Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Scale FB Error Count		
002	DrivenFB_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Driven FB Error Count		
003	DrivenFF_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Driven FF Correction Control Error Count		
004	Dancing_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Dancing Control Error Count		
005	Bk_DrumFF_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Bk Drum Control Error Count		
006	C_DrumFF_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of C Drum Control Error Count		
007	M_DrumFF_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of M Drum Control Error Count		
008	Y_DrumFF_Error_Count	*ENG	[0 to 1000 / **0** / 1/step]
	Total of Y Drum Control Error Count		

2923	**[ErrorCountClear]**		
001	ScaleFBCtl	*ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Scale FB Error Count		
002	DrivenFBCtl	*ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Driven FB Error Count		
003	DrivenFFCtl	*ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Driven FF Correction Control Error Count		

004	DancingCtl	ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Dancing Control Error Count		
005	BkDrumFFCtl	ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Bk Drum Control Error Count		
006	CDrumFFCtl	ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for C Drum Control Error Count		
007	MDrumFFCtl	ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for M Drum Control Error Count		
008	YDrumFFCtl	ENG	[0 or 1 / **0** / 1/step]
	Clear Execution Command for Y Drum Control Error Count		

2924	**[DancingCtrl]**		
001	Belt:Position	*ENG	[0 to 65535 / **0** / 1/step]
	Encoder Pulse Total Count Value for Dancing Control		
002	1st:I	*ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 1		
003	1st:Q	*ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 2		
004	Detection Mode Forced	ENG	[0 or 1 / **0** / 1/step]
	Dancing Control Forced Execution		
005	Detection Mode Auto	*ENG	[0 or 1 / **0** / 1/step]
	Auto Execution SP for Dancing Control Belt Thickness Detection Mode		
006	Temperature	ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	Auto Execution Previous Temperature for Dancing Control Belt Thickness Detection Mode		

007	Abs Humidity	ENG	[0.0 to 99.9 / **0.0** / 0.1g/m3]
	Auto Execution Previous Humidity for Dancing Control Belt Thickness Detection Mode		
008	Interval :Set	ENG	[0 to 5000 / **0** / 1 page]
	Auto Execution Judgment Page Threshold for Dancing Control Belt Thickness Detection Mode		
009	Temperature Range	ENG	[0.0 to 99.9 / **0.0** / 0.1deg/step]
	Auto Execution Judgment Temperature Threshold for Dancing Control Belt Thickness Detection Mode		
010	Absolute Humidity Range	ENG	[0.0 to 99.9 / **0.0** / 0.1g/m3]
	Auto Execution Judgment Humidity Threshold for Dancing Control Belt Thickness Detection Mode		
011	Count	ENG	[0 to 9999 / **0** / 1 page]
	Page Count Value from the previous execution for Auto Execution for Dancing Control Belt Thickness Detection Mode		
012	Execution Result	*ENG	[0 or 1 / **0** / 1/step]
	Display of Execution Result for Dancing Control Belt Thickness Detection Mode		
013	2nd:I	ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 1		
014	2nd:Q	ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 2		
015	3rd:I	ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 1		
016	3rd:Q	ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Dancing Control Profile 2		

2926	[Extra Operation]		
002	Count	ENG	[0 to 1000 / **0** / 1/step]
	Count Value of Extra Drive Operation Specifications		
003	Threshold	*ENG	[0 to 1000 / **0** / 1/step]
	Threshold of Extra Drive Operation Specifications		
004	Extra Drive Time	ENG	[0 to 65535 / **0** / 1msec/step]
	Extra Drive Operation Time for BK Mode for Extra Drive Operation Specifications		
005	Extra Drive Time	ENG	[0 to 65535 / **0** / 1msec/step]
	Extra Drive Operation Time for FC Mode for Extra Drive Operation Specifications		

2927	[DrivenRollerCtrl]		
001	DrivenRoller:Position	*ENG	[0 to 65535 / **0** / 1/step]
	Encoder Total Count Value for Driven FF Correction Control Profile		
002	1^{st}:I	*ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Amplitude Value for Driven FF Correction Control Profile		
003	1^{st}:Q	*ENG	[-2147483648 to 2147483647 / **0** / 1/step]
	Phase for Driven FF Correction Control Profile		

2928	[DrumMotorCtrl]		
001	Bk_DrumMotorCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Bk Drum Motor Control Profile		
002	Bk_DrumMotorAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Bk Drum Motor Control Profile		
003	Bk_DrumMotorPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Bk Drum Motor Control Profile		
004	C_DrumMotorCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for C Drum Motor Control Profile		
005	C_DrumMotorAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for C Drum Motor Control Profile		
006	C_DrumMotorPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for C Drum Motor Control Profile		
007	M_DrumMotorCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for M Drum Motor Control Profile		
008	M_DrumMotorAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for M Drum Motor Control Profile		
009	M_DrumMotorPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for M Drum Motor Control Profile		
010	Y_DrumMotorCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Y Drum Motor Control Profile		
011	Y_DrumMotorAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Y Drum Motor Control Profile		
012	Y_DrumMotorPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Y Drum Motor Control Profile		

2929	[FirstPlanetaryCtrl]		
001	Bk_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Bk First Planetary Control Profile		
002	Bk_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Bk First Planetary Control Profile		
003	Bk_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Bk First Planetary Control Profile		
004	C_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for C First Planetary Control Profile		
005	C_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for C First Planetary Control Profile		
006	C_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for C First Planetary Control Profile		
007	M_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for M First Planetary Control Profile		
008	M_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for M First Planetary Control Profile		
009	M_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for M First Planetary Control Profile		
010	Y_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Y First Planetary Control Profile		
011	Y_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Y First Planetary Control Profile		
012	Y_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Y First Planetary Control Profile		

2930	[SecondPlanetaryCtrl]		
021	Bk_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Bk Second Planetary Control Profile		
022	Bk_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Bk Second Planetary Control Profile		
023	Bk_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Bk Second Planetary Control Profile		
024	C_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for C Second Planetary Control Profile		
025	C_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for C Second Planetary Control Profile		
026	C_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for C Second Planetary Control Profile		
027	M_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for M Second Planetary Control Profile		
028	M_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for M Second Planetary Control Profile		
029	M_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for M Second Planetary Control Profile		
030	Y_PlanetaryCount	*ENG	[0 to 4294967295 / **0** / 1/step]
	Encoder Total Count Value for Y Second Planetary Control Profile		
031	Y_PlanetaryAmplitude	*ENG	[0 to 65535 / **0** / 1/step]
	Amplitude Value for Y Second Planetary Control Profile		
032	Y_PlanetaryPhase	*ENG	[0 to 359 / **0** / 1/step]
	Phase for Y Second Planetary Control Profile		

2931	[Image Create Mode]		
001	FC Mode Fixed: OFF/ON	*ENG	[0 or 1 / **0** / 1/step] 0:OFF, 1:ON
	Selects Printing Operation Mode even in BK Single Color Printing.		

2932	[DrivenFB_Error]		
001	MUSICFlag	*ENG	[0 or 1 / **0** / 1/step] 0: MUSIC Execution Request OFF 1: MUSIC Execution Request ON
	MUSIC Execution Request Flag attributed to ITB Driven FB Error		

2949	[Process Interval]		
001	Additional Time	*ENG	[0 to 10 / **0** / 1sec/step]
	Sets waiting time for Process Interval after imaging.		

2952	[Verso Main Mag set & Adj] *D137/D138 only		
	Verso: Main Scan Magnification Adjustment		
001	Custom Paper 001	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
002	Custom Paper 002	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
003	Custom Paper 003	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
004	Custom Paper 004	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
005	Custom Paper 005	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
006	Custom Paper 006	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

007	Custom Paper 007	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
008	Custom Paper 008	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
009	Custom Paper 009	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
010	Custom Paper 010	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
011	Custom Paper 011	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
012	Custom Paper 012	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
013	Custom Paper 013	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
014	Custom Paper 014	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
015	Custom Paper 015	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
016	Custom Paper 016	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
017	Custom Paper 017	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
018	Custom Paper 018	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
019	Custom Paper 019	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
020	Custom Paper 020	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
021	Custom Paper 021	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

022	Custom Paper 022	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
023	Custom Paper 023	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
024	Custom Paper 024	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
025	Custom Paper 025	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
026	Custom Paper 026	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
027	Custom Paper 027	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
028	Custom Paper 028	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
029	Custom Paper 029	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
030	Custom Paper 030	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
031	Custom Paper 031	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
032	Custom Paper 032	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
033	Custom Paper 033	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
034	Custom Paper 034	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
035	Custom Paper 035	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
036	Custom Paper 036	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

037	Custom Paper 037	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
038	Custom Paper 038	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
039	Custom Paper 039	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
040	Custom Paper 040	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
041	Custom Paper 041	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
042	Custom Paper 042	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
043	Custom Paper 043	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
044	Custom Paper 044	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
045	Custom Paper 045	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
046	Custom Paper 046	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
047	Custom Paper 047	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
048	Custom Paper 048	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
049	Custom Paper 049	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
050	Custom Paper 050	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
051	Custom Paper 051	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

052	Custom Paper 052	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
053	Custom Paper 053	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
054	Custom Paper 054	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
055	Custom Paper 055	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
056	Custom Paper 056	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
057	Custom Paper 057	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
058	Custom Paper 058	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
059	Custom Paper 059	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
060	Custom Paper 060	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
061	Custom Paper 061	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
062	Custom Paper 062	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
063	Custom Paper 063	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
064	Custom Paper 064	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
065	Custom Paper 065	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
066	Custom Paper 066	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

067	Custom Paper 067	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
068	Custom Paper 068	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
069	Custom Paper 069	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
070	Custom Paper 070	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
071	Custom Paper 071	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
072	Custom Paper 072	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
073	Custom Paper 073	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
074	Custom Paper 074	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
075	Custom Paper 075	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
076	Custom Paper 076	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
077	Custom Paper 077	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
078	Custom Paper 078	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
079	Custom Paper 079	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
080	Custom Paper 080	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
081	Custom Paper 081	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

082	Custom Paper 082	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
083	Custom Paper 083	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
084	Custom Paper 084	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
085	Custom Paper 085	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
086	Custom Paper 086	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
087	Custom Paper 087	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
088	Custom Paper 088	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
089	Custom Paper 089	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
090	Custom Paper 090	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
091	Custom Paper 091	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
092	Custom Paper 092	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
093	Custom Paper 093	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
094	Custom Paper 094	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
095	Custom Paper 095	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
096	Custom Paper 096	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

097	Custom Paper 097	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
098	Custom Paper 098	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
099	Custom Paper 099	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
100	Custom Paper 100	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

2953	**[Verso Sub Mag set & Adj] *D137/D138 only**		
	Verso: Sub Scan Magnification Adjustment		
001	Custom Paper 001	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
002	Custom Paper 002	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
003	Custom Paper 003	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
004	Custom Paper 004	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
005	Custom Paper 005	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
006	Custom Paper 006	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
007	Custom Paper 007	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
008	Custom Paper 008	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
009	Custom Paper 009	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
010	Custom Paper 010	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

011	Custom Paper 011	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
012	Custom Paper 012	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
013	Custom Paper 013	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
014	Custom Paper 014	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
015	Custom Paper 015	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
016	Custom Paper 016	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
017	Custom Paper 017	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
018	Custom Paper 018	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
019	Custom Paper 019	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
020	Custom Paper 020	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
021	Custom Paper 021	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
022	Custom Paper 022	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
023	Custom Paper 023	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
024	Custom Paper 024	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
025	Custom Paper 025	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

026	Custom Paper 026	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
027	Custom Paper 027	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
028	Custom Paper 028	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
029	Custom Paper 029	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
030	Custom Paper 030	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
031	Custom Paper 031	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
032	Custom Paper 032	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
033	Custom Paper 033	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
034	Custom Paper 034	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
035	Custom Paper 035	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
036	Custom Paper 036	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
037	Custom Paper 037	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
038	Custom Paper 038	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
039	Custom Paper 039	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
040	Custom Paper 040	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

041	Custom Paper 041	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
042	Custom Paper 042	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
043	Custom Paper 043	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
044	Custom Paper 044	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
045	Custom Paper 045	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
046	Custom Paper 046	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
047	Custom Paper 047	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
048	Custom Paper 048	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
049	Custom Paper 049	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
050	Custom Paper 050	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
051	Custom Paper 051	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
052	Custom Paper 052	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
053	Custom Paper 053	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
054	Custom Paper 054	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
055	Custom Paper 055	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

056	Custom Paper 056	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
057	Custom Paper 057	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
058	Custom Paper 058	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
059	Custom Paper 059	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
060	Custom Paper 060	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
061	Custom Paper 061	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
062	Custom Paper 062	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
063	Custom Paper 063	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
064	Custom Paper 064	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
065	Custom Paper 065	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
066	Custom Paper 066	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
067	Custom Paper 067	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
068	Custom Paper 068	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
069	Custom Paper 069	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
070	Custom Paper 070	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

071	Custom Paper 071	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
072	Custom Paper 072	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
073	Custom Paper 073	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
074	Custom Paper 074	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
075	Custom Paper 075	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
076	Custom Paper 076	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
077	Custom Paper 077	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
078	Custom Paper 078	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
079	Custom Paper 079	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
080	Custom Paper 080	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
081	Custom Paper 081	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
082	Custom Paper 082	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
083	Custom Paper 083	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
084	Custom Paper 084	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
085	Custom Paper 085	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

086	Custom Paper 086	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
087	Custom Paper 087	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
088	Custom Paper 088	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
089	Custom Paper 089	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
090	Custom Paper 090	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
091	Custom Paper 091	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
092	Custom Paper 092	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
093	Custom Paper 093	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
094	Custom Paper 094	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
095	Custom Paper 095	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
096	Custom Paper 096	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
097	Custom Paper 097	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
098	Custom Paper 098	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
099	Custom Paper 099	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]
100	Custom Paper 100	ENG	[-0.500 to 0.000 / **0.000** / 0.025%/step]

D135/D136/D137/D138
SERVICE MANUAL
SYSTEM MAINTENANCE 2 SECTION

D135/D136/D137/D138
SYSTEM MAINTENANCE 2

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MAIN SP TABLES-3

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
7 ~ 9	9/30/2013	SP3041 DEMS Exe OK?

1. MAIN SP TABLES-3

1.1 SP3-XXX (PROCESS)

3011	**[Manual ProCon :Exe]**		
001	Normal ProCon	ENG	[- / - / -] [Execute]
	Executes Process Control		
002	Density Adjustment	ENG	[- / - / -] [Execute]
	Executes Density Adjustment Process Control.		
003	ACC RunTime ProCon	ENG	[- / - / -] [Execute]
	Executes ACC Run Time Process Control.		
004	Full MUSIC	ENG	[- / - / -] [Execute]
	Executes Process Control/Full MUSIC		
005	Normal MUSIC	ENG	[- / - / -] [Execute]
	Executes Process Control/Normal MUSIC.		

3012	**[ProCon OK?]**		
	Displays result per color, from left 2 digits each, with order of YMCK. *Refer below for result detail.		
001	History:Latest	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the latest Process Control execution result.		
002	History:2Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the second latest Process Control execution result.		

003	History:3Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the third latest Process Control execution result.		
004	History:4Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the forth latest Process Control execution result.		
005	History:5Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the fifth latest Process Control execution result.		
006	History:6Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the sixth latest Process Control execution result.		
007	History:7Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the seventh latest Process Control execution result.		
008	History:8Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the eighth latest Process Control execution result.		
009	History:9Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the ninth latest Process Control execution result.		
010	History:10Times Before	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays the tenth latest Process Control execution result.		

SP3-012 Display result detail

Category	Code	Result name	Description
00 and lager	00	Not executed	Factory default setting(SP default)
10and lager Result(Normal)	11	Succeed	-
20 and lager ID Sensor	21	ID Sensor Vsg adjust error	Out of range from Vsg=4.0±x.x[V/step]
	22	ID Sensor LED Adjust error	Ifsg>Max
	23	ID Sensor Output error(Positive reflect)	Vsg_reg<Min(Max)

	24	ID Sensor output error(Diffusion reflect)	Vsg_dif<Min(Max)
	25	ID Sensor offset Voltage error(Positive reflect)	Voffset_reg>Max
	26	ID Sensor offset Voltage error(Diffusion reflect)	Voffset_dif>Max
45 and lager ID Pattern detect	45	ID Pattern extract error	Can not detect ID Pattern
	50	Vmin_Bk/K2 error(Max)	K:Vmin_Bk / CMY:K2>Max
	51	Vmin_Bk/K2 error(Min)	K:Vmin_Bk / CMY:K2<Min
	52	K5 error(Max)	K5>Max
	53	K5 error(Min)	K5<Min
	54	K5 calculated approximate point error	K5 calculated approximate point <Min
	55	Develop gamma error(Max)	Develop gamma >Max
	56	Develop gamma error(Min)	Develop gamma <Min
	57	Start developing voltage:Vk error(Max)	Start developing voltage:Vk>Max
	58	Start developing voltage:Vk error(Min)	Start developing voltage:Vk<Min
	59	Not enough valid data	Adhesion amount data for develop gamma calculation point is under 2
60 and lager Potential adjust	61	LD won't light	P patter is not written.
	62	Residual potential:Vr error	Vr>Max
	63	Electrified potential:Vd adjust error	Vd can not be adjusted in target range.
	64	Exposure potential:Vpl adjust error	Vpl can not be adjusted in target range

90 and lager Result(End)	90	Potential not adjust	Potential control method is set as [0:FIX]
	99	Kill	Kill by door open, power off, error. (Set when execute.)

Note

- Execute result sample (In order of YMCK from left)
- Factory default(SP default):[00,00,00,00]
- Starting adjust:[99,99,99,99]
- Fail Vsg adjust(Y):[21,99,99,99]
- Error of Develop gamma Max(C):[99,99,55,99]
- Succeed:[11,11,11,11]

3020	**[Process Setup :Exe]**		
	Executes Process Initial Setup. (the mode executing agent agitation, Charge AC Adjustment, Charge R Cleaning, Transfer Current Adjustment, Toner Density Adjustment Process Control, and MUSIC collectively)		
001	Execute: ALL	ENG	[- / - / -] [Execute]

3024	**[Developer Fill :Exe]**		
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
001	Execute: ALL	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
002	Execute: COL	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		

003	Execute: K	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
004	Execute: C	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
005	Execute: M	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
006	Execute: Y	ENG	[- / - / -] [Execute]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
007	Choose:From Left:YMCK	ENG	[0x00 to 0x0F / **0x00** / 1/step]
	Selects when filling Developer. (the mode filling Development Unit with Developer)		
008	Execute: Chosen Color	ENG	[0 to 1 / **0** / 1/step]
	Executes when filling Developer. (the mode filling Development Unit with Developer)		
011	Drive Time Upper Limit	ENG	[0 to 255 / **60** / 1sec/step]
	Sets Drive Time Upper Limit for Developer Fill.		

3025	**[Dev Fill OK?]**		
	Displays the result of Developer Fill.		
001	From Left:YMCK	ENG	[0x0000 to 0xFFFF / **0x0000** / 1/step]

3030	**[Init TD Sensor :Exe]**		
001	Execute: ALL	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for all colors.		
002	Execute: COL	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only three colors.		
003	Execute: K	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (K).		
004	Execute: C	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (C).		
005	Execute: M	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (M).		
006	Execute: Y	ENG	[- / - / -] [Execute]
	Executes TD Sensor Initial setting for only (Y).		

3031	**[TD Sens Init OK?]**		
	Displays the execution result of TD Sensor Initial setting.		
001	From Left:YMCK	ENG	[0000 to 9999 / **0** / 1/step]

3032	**[Cleaning Setup :Exe]**		
	Executes when replacing cleaning. (Creates specified number of A4 full coverage images and supplies Cleaning Unit with toner.)		
001	Execute: ALL	ENG	[- / **-** / -] [Execute]
002	Execute: COL	ENG	
003	Execute: K	ENG	
004	Execute: C	ENG	
005	Execute: M	ENG	
006	Execute: Y	ENG	
021	A4 Page Cover	ENG	[0 to 100 / **6** / 1page/step]
	Sets the number of A4 full coverage pages creating when setting Cleaning Initial setup.		

3040	**[DEMS:Execute]**		
	Measures M/A patch.		
001	ALL	ENG	[- / **-** / -] [Execute]
002	K	ENG	
003	C	ENG	
004	M	ENG	
005	Y	ENG	

⇒

3041	**[DEMS Exe OK?]**		
	Displays DEMS Execution Result.		
001	From Left:YYMMCCKK	*ENG	[00000000 to 99999999 / **00000000** / 1/step]

DEMS optimizes the amount of toner transferred to the OPC drum to prevent bands that appear on the printouts as a result of uneven density in 190mm pitch and 54mm pitch. This corresponds to the circumference of the OPC drum and dev roller.
SP3041 displays the results of the DEMS execution.
DEMS execution results are displayed with an 8-digit number, which indicates success/failure in the order YMCK for the target units. If the results are successful for all colors and units, SP3401 will display “11111111” as shown in the table below.

Execution Code (example)	1	1	1	1	1	1	1	1
Target color	Y	Y	M	M	C	C	K	K
Target unit	Drum	Dev	Drum	Dev	Drum	Dev	Drum	Dev
Target banding	190mm	54mm	190mm	54mm	190mm	54mm	190mm	54mm

DEMS execution for the yellow drum is success

DEMS execution result code

Code		Description
0	SP default	-
1	Success	-
2	Not executed(OK)	Phase fluctuation was detected but DEMS execution was determined unnecessary because the fluctuation is not caused by the OPC drum/developer roller.
3	Not executed(OK)	DEMS execution was determined unnecessary because the sine wave amplitude did not reach the lower threshold.
4	Failure	HP signal was not detected within the prescribed time
5	Failure	Excess toner on the OPC drum
6	Failure	Insufficient toner on the OPC drum
9	Failure	Machine was forcefully shut down

Note1: DEMS reads sine waves to detect uneven toner density characteristics.
Note2: DEMS is executed at the factory. Therefore, DEMS execution result will not display “0” on new machines.
Note3: DEMS is automatically executed when reaching 20 Kp either in Bk or FC printing mode following a Process Control, to reduce image quality degradation as a result of aging drum.

3042	**[DEMS:Phasing:Execute]**		
	Measures Phase from HP.		
001	ALL	ENG	[- / - / -] [Execute]
002	K	ENG	
003	C	ENG	
004	M	ENG	
005	Y	ENG	
3043	**[DEMS:Phasing:Exe OK?]**		
	Displays the result of DEMS Phasing Mode.		
001	From Left:YYMMCCKK	ENG	[00000000 to 99999999 / 00000000 / 1/step]
3050	**[Force Tnr Supply :Exe]**		
	Supplies toner forcibly.		
001	Execute: ALL	ENG	[- / - / -] [Execute]
002	Execute: COL	ENG	
003	Execute: K	ENG	
004	Execute: C	ENG	
005	Execute: M	ENG	
006	Execute: Y	ENG	
3050	**[Force Tnr Supply :Exe]**		
	Sets Toner Amount (K) with Forced Toner Supply by [wt%/step] unit.		
021	Supply Quantity:K	ENG	[0.0 to 5.0 / **1.0** / 0.1 wt%/step]

022	Supply Quantity:C	ENG	
023	Supply Quantity:M	ENG	
024	Supply Quantity:Y	ENG	

3051	**[Manual Toner Fill :Exe]**		
	Executes Toner Fill.		
001	EXECUTE:ALL	ENG	[- / **-** / -] [Execute]

3070	**[Pot.Sens Check :Exe]**		
	Executes Potential Sensor Check. (For checking when assembling in the factory and for confirming when failure occurs in the market.)		
001	Execute	ENG	[- / **-** / -] [Execute]
3071	**[Pot.Sens Chk :Disp]**		
001	Vd:K	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vd (K).		
002	Vd:C	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vd (C).		
003	Vd:M	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vd (M).		
004	Vd:Y	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vd (Y).		
011	Vr:K	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vr (K).		
012	Vr:C	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vr (C).		
013	Vr:M	ENG	[0 to 999 / **0** / 1-V/step]

	Displays Potential Sensor Check Result: Vr (M).		
014	Vr:Y	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Vr (Y).		
021	Voffset:K	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (K).		
022	Voffset:C	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (C).		
023	Voffset:M	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (M).		
024	Voffset:Y	ENG	[0 to 999 / **0** / 1-V/step]
	Displays Potential Sensor Check Result: Voffset (Y).		

3072	**[TD.Sens Check :Exe]**		
	Executes TD Sensor Check. (For checking when assembling in the factory and for confirming when failure occurs in the market.)		
001	Execute	ENG	[- / **-** / -] [Execute]

3073	**[TD.Sens Chk :Disp]**		
	Displays TD Sensor Check Result: Vt		
001	Vt:K	ENG	[0.00 to 5.00 / **0.00** / 0.01V/step]
002	Vt:C	ENG	
003	Vt:M	ENG	
004	Vt:Y	ENG	

3100	**[TE Detect :Set]**		
	Sets whether to execute Toner End Detection Operation.		
001	ON/OFF	*ENG	[0 to 1 / **0** / 1/step]

3101	**[Toner Status :Disp]**		
	Displays Toner Status (K) on a scale of one to ten.		
001	K	*ENG	[0 to 10 / **10** / 1/step] 10: Full 2: Estimate Near End 1: Fixed Near End 0: Toner End
002	C	*ENG	
003	M	*ENG	
004	Y	*ENG	

3102	**[Toner Remains :Disp]**		
	-		
001	% Remains:K	*ENG	[0 to 100 / **0** / 1%/step]
	Displays Toner Remains (K) in percentage.		
002	% Remains:C	*ENG	[0 to 100 / **0** / 1%/step]
	Displays Toner Remains (C) in percentage.		
003	% Remains:M	*ENG	[0 to 100 / **0** / 1%/step]
	Displays Toner Remains (M) in percentage.		
004	% Remains:Y	*ENG	[0 to 100 / **0** / 1%/step]
	Displays Toner Remains (Y) in percentage.		
011	mg Remains:K	*ENG	[0.0 to 99999999.0 / **0.0** / 0.1mg/step]
	Displays Toner Remains (K) in mg.		
012	mg Remains:C	*ENG	[0.0 to 99999999.0 / **0.0** / 0.1mg/step]

	Displays Toner Remains (C) in mg.		
013	mg Remains:M	*ENG	[0.0 to 99999999.0 / **0.0** / 0.1mg/step]
	Displays Toner Remains (M) in mg.		
014	mg Remains:Y	*ENG	[0.0 to 99999999.0 / **0.0** / 0.1mg/step]
	Displays Toner Remains (Y) in mg.		
021	Tnr mg (NewBtl):K	*ENG	[0.0 to 99999999.0 / **0.0** / 0.1mg/step]
022	Tnr mg (NewBtl):C	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
023	Tnr mg (NewBtl):M	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
024	Tnr mg (NewBtl):Y	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
031	Pxl Cnt:K	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
032	Pxl Cnt:C	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
033	Pxl Cnt:M	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
034	Pxl Cnt:Y	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
041	Coef1:K	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
042	Coef2:C	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
043	Coef3:M	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]

044	Coef4:Y	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
051	Feed Counter:K	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
052	Feed Counter:C	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
053	Feed Counter:M	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]
054	Feed Counter:Y	*ENG	[0.0 to 99999999.0 / 0.0 / 0.1mg/step]

3110	**[TNE Detect(Lvl1) :Set]**		
001	ON/OFF	*ENG	[0 to 1 / **0** / 1/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel.		
011	Disp Timing:K	*ENG	[10 to 100 / **10** / 1%/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel at which percentage of Toner Remains.		
012	Disp Timing:C	*ENG	[10 to 100 / **10** / 1%/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel at which percentage of Toner Remains.		
013	Disp Timing:M	*ENG	[10 to 100 / **10** / 1%/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel at which percentage of Toner Remains.		
014	Disp Timing:Y	*ENG	[10 to 100 / **10** / 1%/step]
	Sets whether to display Toner Near End (Level 1) on the operation panel at which percentage of Toner Remains.		

3120	[TNE Detect(Lvl2) :Set]		
001	Set Cnt	*ENG	[0 to 255 / **30** / 1count/step]
	Sets the timing when Toner Near End (Level 2) is set after how many times Toner End Sensor continuously detects Toner Empty.		
011	Cnt:K	*ENG	[0 to 255 / **0** / 1count/step]
	Displays how many times Toner End Sensor (K) continuously detects Toner Empty.		
012	Cnt:C	*ENG	[0 to 255 / **0** / 1count/step]
	Displays how many times Toner End Sensor (C) continuously detects Toner Empty.		
013	Cnt:M	*ENG	[0 to 255 / **0** / 1count/step]
	Displays how many times Toner End Sensor (M) continuously detects Toner Empty.		
014	Cnt:Y	*ENG	[0 to 255 / **0** / 1count/step]
	Displays how many times Toner End Sensor (Y) continuously detects Toner Empty.		

3130	[TE Detect :Set]		
001	Set Sheets(Min)	*ENG	[0 to 50 / **10** / 1page/step]
	Sets Minimum Assured Pages until Toner End displays after Toner Near End is fixed.		
002	Set Sheets(Max)	*ENG	[0 to 5000 / **1000** / 1page/step]
	Sets Minimum Assured Pages until Toner End displays after Toner Near End is fixed.		
011	Page Cnt:K	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays how many pages are output after Toner Near End is fixed.		
012	Page Cnt:C	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays how many pages are output after Toner Near End is fixed.		

013	Page Cnt:M	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays how many pages are output after Toner Near End is fixed.		
014	Page Cnt:Y	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays how many pages are output after Toner Near End is fixed.		
021	Set Pxl Cnt	*ENG	[0 to 1000000 / **18700** / 1cm2/step]
	Sets the timing when Toner End is confirmed after how many square centimeters are output in coverage after Toner Near End is fixed.		
031	Pxl Cnt:K	*ENG	[0 to 1000000 / **0** / 1cm2/step]
	Displays how many square centimeters of toner are consumed in K coverage after Toner Near End is fixed.		
032	Pxl Cnt:C	*ENG	[0 to 1000000 / **0** / 1cm2/step]
	Displays how many square centimeters of toner are consumed in C coverage after Toner Near End is fixed.		
033	Pxl Cnt:M	*ENG	[0 to 1000000 / **0** / 1cm2/step]
	Displays how many square centimeters of toner are consumed in M coverage after Toner Near End is fixed.		
034	Pxl Cnt:Y	*ENG	[0 to 1000000 / **0** / 1cm2/step]
	Displays how many square centimeters of toner are consumed in Y coverage after Toner Near End is fixed.		
041	Set Feed Cnt	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Sets the timing when Toner End is confirmed after how many ms Feed Clutch of Sub Hopper is driven after Toner Near End is fixed.		
051	Feed Counter:K	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Displays how many ms Feed Clutch (K) of Sub Hopper is driven after Toner Near End is fixed.		
052	Feed Counter:C	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Displays how many ms Feed Clutch (C) of Sub Hopper is driven after Toner Near End is fixed.		

053	Feed Counter:M	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Displays how many ms Feed Clutch (M) of Sub Hopper is driven after Toner Near End is fixed.		
054	Feed Counter:Y	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Displays how many ms Feed Clutch (Y) of Sub Hopper is driven after Toner Near End is fixed.		

3150	**[TE Sensor :Set]**		
	-		
001	SamplingCount	*ENG	[4 to 20 / **5** / 1count/step]
	Sets TE Sensor Array Size.		
002	Judge:p	*ENG	[0.2 to 0.8 / **0.6** / 0.1/step]
	Sets Toner Remain Judgment Threshold.		

3152	**[Bottle Motor :Set]**		
001	On Time	*ENG	[- to - / **400** / 1count/step]
	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (Y) after Toner Near End is fixed.		
002	Off Time	*ENG	[- to - / **400** / 1count/step]
	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (Y) after Toner Near End is fixed.		
003	RecoveryTimes	*ENG	[- to - / **140** / 1count/step]
	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (Y) after Toner Near End is fixed.		
010	Stop Timing :Set	*ENG	[0 to 2000 / **0** / 1count/step]
	Sets the upper limit for Toner Fill Operation by Toner Bottle Motor after Toner Near End is fixed.		
011	Cnt:K	*ENG	[0 to 2000 / **0** / 1count/step]

	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (K) after Toner Near End is fixed.		
012	Cnt:C	*ENG	[0 to 2000 / **0** / 1count/step]
	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (C) after Toner Near End is fixed.		
013	Cnt:M	*ENG	[0 to 2000 / **0** / 1count/step]
	Displays how many times Toner Fill Operation is executed by Toner Bottle Motor (M) after Toner Near End is fixed.		

3200	**[TnrDensity]**		
	Displays Toner Density (wt%).		
001	K	*ENG	[0 to 25.5 / **0** / 0.1 wt%/step]
002	C	*ENG	
003	M	*ENG	
004	Y	*ENG	

3201	**[TnrDensity]**		
	Sets Upper Limit Toner Density (wt%) for Toner Density Control Area.		
001	Upper TC	*ENG	[1.0 to 15.0 / **9.5** / 0.1wt%/step]
002	Lower TC	*ENG	[1.0 to 15.0 / **4.0** / 0.1wt%/step]

3210	**[TD.Sens:Vt :Disp]**		
	Displays the latest TD Sensor Output		
001	Current: K	*ENG	[0.00 to 5.50 / **0** / 0.01V/step]
002	Current: C	*ENG	
003	Current: M	*ENG	
004	Current: Y	*ENG	

3220	[Vtcnt :Disp/Set]		
001	Current: K	*ENG	[2.00 to 5.00 / **3.72** / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (K).		
002	Current: C	*ENG	[2.00 to 5.00 / **3.72** / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (C).		
003	Current: M	*ENG	[2.00 to 5.00 / **3.72** / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (M).		
004	Current: Y	*ENG	[2.00 to 5.00 / **3.72** / 0.01V/step]
	Displays/Sets Current TD Sensor Control Voltage (Y).		

3230	[Vtref :Disp/Set]		
001	Current: K	*ENG	[0.00 to 5.00 / **2.70** / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (K).		
002	Current: C	*ENG	[0.00 to 5.00 / **2.70** / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (C).		
003	Current: M	*ENG	[0.00 to 5.00 / **2.70** / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (M).		
004	Current: Y	*ENG	[0.00 to 5.00 / **2.70** / 0.01V/step]
	Current TD Sensor Output Voltage Target Value: Displays/Sets Vtref (Y).		

3232	[Vtref Correct:Pixel]		
001	ON/OFF	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Pixel Vtref Correct Correction.		

3233	[PPAT Vtref Corr :Disp/Set]		
041	Vtavg Rate(H)	*ENG	[0 to 100 / **50** / 1%/step]

	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Upper Limit).		
051	Vtavg Rate(M)	*ENG	[0 to 100 / **50** / 1%/step]
	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).		
061	Vtavg Rate(L)	*ENG	[0 to 100 / **50** / 1%/step]
	Sets the weight of Vtavg and Vtref used for Vtref Correction Standard Value when Paper Interval Adhesion Amount exceeds Adhesion Amount Threshold (Lower Limit).		

3250	**[ImgArea :Disp]**		
	Displays image area of latest page.		
001	Latest:K	*ENG	[0 to 9999 / **0** / 1cm2/step]
002	Latest:C	*ENG	
003	Latest:M	*ENG	
004	Latest:Y	*ENG	

3251	**[DotCoverage :Disp]**		
001	Latest:K	*ENG	[0.00 to 100.00 / **-** / 0.01%/step]
	Displays Dot Coverage (K) in the latest page.		
002	Latest:C	*ENG	[0.00 to 100.00 / **-** / 0.01%/step]
	Displays Dot Coverage (C) in the latest page.		
003	Latest:M	*ENG	[0.00 to 100.00 / **-** / 0.01%/step]
	Displays Dot Coverage (M) in the latest page.		
004	Latest:Y	*ENG	[0.00 to 100.00 / **-** / 0.01%/step]
	Displays Dot Coverage (Y) in the latest page.		

011	DC Avg.:S:K	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: S (K).		
012	DC Avg.:S:C	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: S (C).		
013	DC Avg.:S:M	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: S (M).		
014	DC Avg.:S:Y	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: S (Y).		
021	DC Avg.:M:K	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (K).		
022	DC Avg.:M:C	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (C).		
023	DC Avg.:M:M	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (M).		
024	DC Avg.:M:Y	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: M (Y).		
031	DC Avg.:L:K	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (K).		
032	DC Avg.:L:C	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (C).		
033	DC Avg.:L:M	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (M).		
034	DC Avg.:L:Y	*ENG	[0.00 to 100.00 / - / 0.01%/step]
	Displays Dot Coverage DC Average: L (Y).		

3260	**[Temp/Humid(PCU)]**

001	Temperature	ENG	[0 to 100 / **0** / 1deg/step]
	Displays the temperature based on Temperature/Humidity Sensor Detection Result of PCU.		
002	Relative Humidity	ENG	[0 to 100 / **0** / 1%RH/step]
	Displays the relative humidity based on Temperature/Humidity Sensor Detection Result of PCU.		
003	Absolute Humidity	ENG	[0.00 to 63.00 / **0** / 0.01g/m3/step]
	Displays the absolute humidity based on Temperature/Humidity Sensor Detection Result of PCU.		
004	Environ:Recent	ENG	[- / **-** / -]
	Environment detected by PCU Temperature/Humidity Sensor		

3261	**[Temp/Humid(Body)]**		
001	Temperature	ENG	[0 to 100 / **0** / 1deg/step]
	Displays the temperature based on Temperature/Humidity Sensor Detection Result of the main unit.		
002	Relative Humidity	ENG	[0 to 100 / **0** / 1%RH/step]
	Displays the relative humidity based on Temperature/Humidity Sensor Detection Result of the main unit.		
003	Absolute Humidity	ENG	[0.00 to 63.00 / **0** / 0.01g/m3/step]
	Displays the absolute humidity based on Temperature/Humidity Sensor Detection Result of the main unit.		
004	Environ:Recent	*ENG	[- / **-** / -]
	Displays the current environment according to the absolute humidity calculated by Temperature/Humidity Sensor (Main Unit).		
005	Environ:Recent 2	ENG	[- / **-** / -]
	Displays the current environment according to the absolute humidity calculated by Temperature/Humidity Sensor (Main Unit).		

3262	[Env Set:PCU]		
001	Force Settings	ENG	[0 to 6 / **0** / 1/step] 0: Sensor Detection, 2-6: Each Environment for LL-HH
	Forced setting for PCU Environment		

3263	[Env Set:Body]		
001	Force Settings	ENG	[0 to 6 / **0** / 1/step] 0: Sensor Detection, 1-6: Each Environment for LLL-HH
	Sets forcibly the current environment (Main Unit)		
003	Force Settings 2	ENG	[0 to 10 / **0** / 1/step] 0: Sensor Detection, 1-10: Each Environment for 1-10
	Sets forcibly the current environment (Main Unit 2)		

3264	[Env Thresh:PCU]		
	Threshold for Environment Division		
002	Abs Humid:2	*ENG	[0.00 to 100.00 / **5.00** / 0.01g/m3/step]
003	Abs Humid:3	*ENG	[0.00 to 100.00 / **10.00** / 0.01g/m3/step]
004	Abs Humid:4	*ENG	[0.00 to 100.00 / **18.00** / 0.01g/m3/step]
005	Abs Humid:5	*ENG	[0.00 to 100.00 / **25.00** / 0.01g/m3/step]

3265	**[Env Thresh:Body]**		
	Sets Absolute Humidity Threshold in order to determine the current environment division based on the detection result of Temperature/Humidity Sensor (Main Unit).		
001	Abs Humid:1	*ENG	[0.00 to 63.00 / **2.50** / 0.01g/m3/step]
002	Abs Humid:2	*ENG	[0.00 to 63.00 / **5.00** / 0.01g/m3/step]
003	Abs Humid:3	*ENG	[0.00 to 63.00 / **8.40** / 0.01g/m3/step]
004	Abs Humid:4	*ENG	[0.00 to 63.00 / **15.00** / 0.01g/m3/step]
005	Abs Humid:5	*ENG	[0.00 to 63.00 / **24.00** / 0.01g/m3/step]

3300	**[ID Pattern :Disp]**		
001	M/A(Latest):K	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (K).		
002	M/A(Latest):C	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (C).		
003	M/A(Latest):M	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (M).		
004	M/A(Latest):Y	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (Y).		

011	M/A(Target):K	*ENG	[0.000 to 1.000 / **0.150** / 0.001mg/cm2/step]
	Displays ID Pattern Target M/A (K).		
012	M/A(Target):C	*ENG	[0.000 to 1.000 / **0.433** / 0.001mg/cm2/step]
	Displays ID Pattern Target M/A (C).		
013	M/A(Target):M	*ENG	[0.000 to 1.000 / **0.433** / 0.001mg/cm2/step]
	Displays ID Pattern Target M/A (M).		
014	M/A(Target):Y	*ENG	[0.000 to 1.000 / **0.433** / 0.001mg/cm2/step]
	Displays ID Pattern Target M/A (Y).		
021	M/A(Corr):K	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects ID Pattern M/A (K) based on P_Rank if Development gamma is out of the target value.		
022	M/A(Corr):C	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects ID Pattern M/A (C) based on P_Rank if Development gamma is out of the target value.		
023	M/A(Corr):M	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects ID Pattern M/A (M) based on P_Rank if Development gamma is out of the target value.		
024	M/A(Corr):Y	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects ID Pattern M/A (Y) based on P_Rank if Development gamma is out of the target value.		
101	M/A(Latest):K	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]

	Displays the latest ID Pattern M/A (K).		
102	M/A(Latest):C	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (C).		
103	M/A(Latest):M	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (M).		
104	M/A(Latest):Y	*ENG	[0.000 to 1.000 / **0.000** / 0.001mg/cm2/step]
	Displays the latest ID Pattern M/A (Y).		

3301	**[ID Pattern :Set]**		
001	Create Intrvl:K	ENG	[0 to 200 / **10** / 1page/step]
	Sets Create Interval (K) for ID Pattern.		
002	Create Intrvl:C	ENG	[0 to 200 / **10** / 1page/step]
	Sets Create Interval (C) for ID Pattern.		
003	Create Intrvl:M	ENG	[0 to 200 / **10** / 1page/step]
	Sets Create Interval (M) for ID Pattern.		
004	Create Intrvl:Y	ENG	[0 to 200 / **10** / 1page/step]
	Sets Create Interval (Y) for ID Pattern.		
011	Page Cnt:K	*ENG	[0 to 200 / **0** / 1page/step]
	Displays ID Pattern Page Counter Value (K).		
012	Page Cnt:C	*ENG	[0 to 200 / **0** / 1page/step]
	Displays ID Pattern Page Counter Value (C).		
013	Page Cnt:M	*ENG	[0 to 200 / **0** / 1page/step]
	Displays ID Pattern Page Counter Value (M).		
014	Page Cnt:Y	*ENG	[0 to 200 / **0** / 1page/step]

	Displays ID Pattern Page Counter Value (Y).		
021	M/A UppErr:K	ENG	[0.000 to 1.000 / **0.600** / 0.001mg/cm2/step]
	Sets Error Judgment Threshold (K) for SC380 ID Pattern Error.		
022	M/A UppErr:Col	ENG	[0.000 to 2.000 / **1.200** / 0.001mg/cm2/step]
	Sets Error Judgment Threshold (CMY) for SC381-SC383 ID Pattern Error.		
023	M/A LowErr:K	ENG	[0.000 to 1.000 / **0.100** / 0.001mg/cm2/step]
	Sets Error Judgment Threshold (K) for SC385 ID Pattern Error.		
024	M/A LowErr:Col	ENG	[0.000 to 1.000 / **0.200** / 0.001mg/cm2/step]
	Sets Error Judgment Threshold (CMY) for SC386-SC388 ID Pattern Error.		
031	Feed Cnt :Set	*ENG	[0 to 99999999 / **50000** / 1msec/step]
	Totals ON Time for Feed Clutch of Sub Hopper. (Resets if Toner End Sensor detects Yes.)		
041	Feed Cnt :K	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Totals ON Time for Feed Clutch (K) of Sub Hopper.		
042	Feed Cnt :C	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Totals ON Time for Feed Clutch (C) of Sub Hopper.		
043	Feed Cnt :M	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Totals ON Time for Feed Clutch (M) of Sub Hopper.		
044	Feed Cnt :Y	*ENG	[0 to 99999999 / **0** / 1msec/step]
	Totals ON Time for Feed Clutch (Y) of Sub Hopper.		

3310	[ID.Sens :Voffset]		
001	Voffset_reg	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output Voltage when ID Sensor LED is turned off.		
011	Voffset_dif	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Diffuse Reflection Output Voltage when ID Sensor LED is turned off.		
021	Voffset_TM (Front)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output Voltage when TM_Front Sensor LED is turned off.		
022	Voffset_TM (Center)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output Voltage when TM_Center Sensor LED is turned off.		
023	Voffset_TM (Rear)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output Voltage when TM_Rear Sensor LED is turned off.		

3311	[ID.Sens :Vmin]		
001	Vmin_K	*ENG	[0.00 to 5.00 / **0.00** / 0.01V/step]
	Displays Vmin_K Output for Graduation Pattern.		

3312	[ID.Sens :Vct]		
001	Vct_Reg	*ENG	[0.000 to 5.000 / **0.000** / 0.001V/step]
	Displays Regular Reflection Output for Stroke.		
011	Vct_dif	*ENG	[0.000 to 5.000 / **0.000** / 0.001V/step]
	Displays Regular Reflection Output for crosstalk.		

3320	[Vsg Adj: Execute]

	Executes Vsg adjustments.		
001	ALL	ENG	[- / **-** / -] [Execute]

3321	**[Adjusted Vsg]**		
001	Vsg_reg	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output of bare part of the belt adjusted by Vsg.		
011	Vsg_dif	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Diffuse Reflection Output of bare part of the belt adjusted by Vsg.		
041	Vsg_TM (Front)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output of bare part of the belt adjusted by Vsg. (TM_Front Sensor)		
042	Vsg_TM (Center)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output of bare part of the belt adjusted by Vsg. (TM_Center Sensor)		
043	Vsg_TM (Rear)	*ENG	[0.00 to 5.50 / **0.00** / 0.01V/step]
	Displays Regular Reflection Output of bare part of the belt adjusted by Vsg. (TM_Rear Sensor)		

3322	**[Adjusted Ifsg]**		
	Displays ID Sensor LED Current adjusted by Vsg.		
001	Ifsg	*ENG	[0.0 to 50.0 / **27.0** / 0.1mA]
011	Ifsg	*ENG	
021	Ifsg:TM (Front)	*ENG	
022	Ifsg:TM (Center)	*ENG	
023	Ifsg:TM (Rear)	*ENG	

<table>
<tr><td rowspan="9">3323</td><td colspan="4">[Vsg Adj OK?]</td></tr>
<tr><td colspan="4">Displays Vsg Adjustment Execution Result. (SP is assigned to be compatible with common model series)
▪ Left digit: TM/P sensor (R)
▪ Right digit: TM/P sensor (L)
Displays result by each sensor from left in R, then L order.</td></tr>
<tr><td>Code</td><td>Result</td><td colspan="2">detail</td></tr>
<tr><td>0</td><td>Did not EXEC.</td><td colspan="2">(SP default)</td></tr>
<tr><td>1</td><td>Succeed</td><td colspan="2">-</td></tr>
<tr><td>2</td><td>ID sensor proofread error</td><td colspan="2">Out of range from Vsg= Vsg_reg(target value)±x.x[V/step]</td></tr>
<tr><td>3</td><td>Offset voltage error</td><td colspan="2">Voffset_reg>Max. or Voffset_dif>Max.</td></tr>
<tr><td>4</td><td>LED Ampere Max. error.</td><td colspan="2">Ifsg>Max.</td></tr>
<tr><td>5</td><td>ID sensor output error.</td><td colspan="2">Vsg< Vsg_reg(error)</td></tr>
<tr><td>9</td><td>Kill</td><td colspan="2">Kill by error of door open, power off.</td></tr>
<tr><td>001</td><td>History:Latest</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>002</td><td>History:Latest2</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>003</td><td>History:Latest3</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>004</td><td>History:Latest4</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>005</td><td>History:Latest5</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>006</td><td>History:Latest6</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>007</td><td>History:Latest7</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>008</td><td>History:Latest8</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>009</td><td>History:Latest9</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
<tr><td>010</td><td>History:Latest10</td><td>*ENG</td><td>[0 to 999 / 0 / 1/step]</td></tr>
</table>

3330	**[ID.Sens Coef :Disp]**		
001	K2(Latest)	*ENG	[0.0000 to 5.0000 / **0.3240** / 0.0001/step]
	Displays the latest value of Sensitivity Correction Coefficient: K2 of ID sensor.		
011	K5(Latest)	*ENG	[0.0000 to 5.0000 / **2.5600** / 0.0001/step]
	Displays the latest value of Sensitivity Correction Coefficient: K5 of ID sensor.		

3331	**[ID.Sens Coef :Set]**		
	Shipping inspection value of ID/TM Sensor indicated on the bar code.		
021	K2: Check	*ENG	[0.000 to 1.000 / **0.500** / 0.001/step]
031	Diffuse Corr	*ENG	[0.75 to 1.35 / **1.00** / 0.01/step]
041	Vct_reg_slope Check	*ENG	[0.0000 to 1.0000 / **0.0000** / 0.0001 V/mA]
046	Vct_reg_Xint Check	*ENG	[0.0 to 25.5 / **0.0** / 0.1mA]
051	Vct_dif_slope Check	*ENG	[0.0000 to 1.0000 / **0.0000** / 0.0001 V/mA]
056	Vct_dif_Xint Check	*ENG	[0.0 to 25.5 / **0.0** / 0.1mA]

3400	**[Toner Supply Type]**		
	Selects Toner Supply Type		
001	K	ENG	[0 to 4 / **4** / 1/step] 0: Fixed Supply 4: DANC
002	C	ENG	
003	M	ENG	
004	Y	ENG	

3440	**[Fixed Supply Mode]**		
	Sets Toner Supply Rate for Fixed Supply Mode.		
001	K	ENG	[0 to 100 / **5** / 1%/step]
002	C	ENG	
003	M	ENG	
004	Y	ENG	

3500	**[ImgQltyAdj :ON/OFF]**		
	-		
001	ALL	*ENG	[0 or 1 / **-** / 1]
002	Process Control	*ENG	[0 or 1 / **-** / 1]
003	MUSIC	*ENG	[0 or 1 / **-** / 1]
004	Init TD Sensor	*ENG	[0 or 1 / **-** / 1]

3520	**[ImgQltyAdj :Interval]**		
001	During Job	*ENG	[0 to 100 / **30** / 1page/step]
	Sets Image Quality Adjustment Interval page being printed.		

3521	**[Drum Stop Time :Disp]**		
	Displays Drum Stop Time		
001	Year	*ENG	[0 to 99 / **0** / 1year/step]
002	Month	*ENG	[0 to 12 / **1** / 1month/step]
003	Day	*ENG	[0 to 31 / **1** / 1day/step]
004	Hour	*ENG	[0 to 23 / **0** / 1hour/step]
005	Minute	*ENG	[0 to 59/ **0** / 1min/step]

3522	[Drum Stop Environ :Disp]		
001	Temperature	*ENG	[-99 to 99 / 0 / 0.1deg/step]
	Displays Drum Stop Environment (Temperature).		
002	Rel Humidity	*ENG	[0 to 100 / 0 / 0.1%RH/step]
	Displays Drum Stop Environment (Relative Humidity).		
003	Abs Humidity	*ENG	[0 to 99 / 0 / 0.1g/m3/step]
	Displays Drum Stop Environment (Absolute Humidity).		

3529	[ProCon Interval Control :Set]		
001	Gamma Corr	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Gamma Correction for ProCon Interval Control.		
002	Env Corr	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Environment Correction for ProCon Interval Control.		
003	AbsHum Threshold	*ENG	[0.0 to 99.0 / **4.3** / 0.1g/m3/step]
	Sets Absolute Humidity Threshold for Environment Correction for ProCon Interval Control.		
004	Max Cnt	*ENG	[0 to 99 / **2** / 1time/step]
	Sets Maximum Count Threshold for Interruption ProCon/Job End ProCon.		
005	Exe Cnt	*ENG	[0 to 255 / **0** / 1time/step]
	Displays Maximum Count for Interruption ProCon/Job End ProCon.		
006	Page Cnt:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays ProCon (BW) Page Counter.		
007	Page Cnt:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays ProCon (FC) Page Counter.		

3530	**[PowerON ProCon :Set]**		
001	Non-use Time Setting	*ENG	[0 to 1440 / **30** / 1min/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
002	Temperature Range	*ENG	[0 to 99 / **10** / 1deg/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
003	Relative Humidity Range	*ENG	[0 to 99 / **50** / 1%RH/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
004	Absolute Humidity Range	*ENG	[0 to 99 / **6** / 1g/m3/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
005	Interval:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
006	Interval:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets ProCon Execution Judgment Threshold when the power is ON.		
007	Page Cnt:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets ProCon (BW) Page Counter when the power is ON.		
008	Page Cnt:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets ProCon (FC) Page Counter when the power is ON.		

3532	**[JobIn Procon :Set]**		
	Sets ProCon Execution Judgment Threshold during the waiting time.		
001	Non-use Time Setting	*ENG	[0 to 1440 / **30** / 1min/step]
002	Temperature Range	*ENG	[0 to 99 / **3** / 1deg/step]
003	Relative Humidity Range	*ENG	[0 to 99 / **10** / 1%RH/step]
004	Absolute Humidity Range	*ENG	[0 to 99 / **3** / 1g/m3/step]

3533	[Interrupt ProCon :Set]		
001	Interval:Set:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets Interruption ProCon (BW) Page Interval.		
002	Interval:Disp:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays Interruption ProCon (BW) Page Interval.		
003	Corr(Short):BW	*ENG	[0.00 to 1.00 / **0.50** / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Interruption ProCon (BW).		
004	Corr(Mid):BW	*ENG	[0.00 to 1.00 / **1.00** / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Interruption ProCon (BW).		
011	Interval:Set:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Sets Interruption ProCon (FC) Page Interval.		
012	Interval:Disp:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays Interruption ProCon (FC) Page Interval.		
013	Corr(Short):FC	*ENG	[0.00 to 1.00 / **0.50** / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Interruption ProCon (FC).		
014	Corr(Mid):FC	*ENG	[0.00 to 1.00 / **1.00** / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Interruption ProCon (FC).		

3534	[JobEnd ProCon :Set]		
001	Interval:Set:BW	*ENG	[0 to 5000 / **1000** / 1page/step]
	Sets Job End ProCon (BW) Page Interval.		
002	Interval:Disp:BW	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays Job End ProCon (BW) Page Interval.		
003	Corr(Short):BW	*ENG	[0.00 to 1.00 / **0.75** / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Job End ProCon (BW).		

004	Corr(Mid):BW	*ENG	[0.00 to 1.00 / **1.00** / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Job End ProCon (BW).		
011	Interval:Set:FC	*ENG	[0 to 5000 / **1000** / 1page/step]
	Sets Job End ProCon (FC) Page Interval.		
012	Interval:Disp:FC	*ENG	[0 to 5000 / **0** / 1page/step]
	Displays Job End ProCon (FC) Page Interval.		
013	Corr(Short):FC	*ENG	[0.00 to 1.00 / **0.75** / 0.01/step]
	Sets Correction Coefficient (Short) for Page Interval for Job End ProCon (FC).		
014	Corr(Mid):FC	*ENG	[0.00 to 1.00 / **1.00** / 0.01/step]
	Sets Correction Coefficient (Mid) for Page Interval for Job End ProCon (FC).		

3539	**[Dev Agitating Time :Set]**		
001	Time	*ENG	[0 to 3000 / **0** / 1sec/step]
	Sets Developer Agitating Time.		
010	ON/OFF(by AbsHum)	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Developer Agitating Time.		
030	ON/OFF(by Non-use Time)	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Developer Agitating Time.		
050	ON/OFF(by Non-use Time)	*ENG	[0 to 1 / **1** / 1/step]
	Sets ON/OFF for Absolute Humidity Correction for Image Coverage Correction.		

3554	**[Set Expel Dev Mode]**		
001	Set Expel Dev Mode	ENG	[0 to 1 / **1** / 1/step]
	Sets Execute/Not Execute for Expel Development Mode.		
002	Execution Threshold Value:Run	ENG	[0 to 255 / **0** / 1sec/step]
	Sets Time Threshold for Expel Operation Execution when printing is finished.		
003	Execution Threshold Value:End	ENG	[0 to 255 / **15** / 1sec/step]
	Sets Time Threshold for Expel Operation Execution when printing.		
004	Calculated Value:Half-Speed	ENG	[0.00 to 655.35 / **0.67** / 0.01sec/step]
	Coefficient Setting for Expel Time added by Tone Fill Execution for Half-Speed.		
011	Required Expel Time:K	ENG	[0.00 to 655.35 / **0.00** / 0.01sec/step]
	Displays Required Expel Time:K.		
012	Required Expel Time:C	ENG	[0.00 to 655.35 / **0.00** / 0.01sec/step]
	Displays Required Expel Time:C.		
013	Required Expel Time:M	ENG	[0.00 to 655.35 / **0.00** / 0.01sec/step]
	Displays Required Expel Time:M.		
014	Required Expel Time:Y	ENG	[0.00 to 655.35 / **0.00** / 0.01sec/step]
	Displays Required Expel Time:Y.		

3600	**[Select ProCon]**		
001	Potential Control	*ENG	[0 to 1 / **1** / 1/step]
	Sets Potential Control.		
002	LD Control	*ENG	[0 to 3 / **0** / 1/step]
	Sets LD Control.		
003	TC Adj. Mode	*ENG	[0 to 3 / **2** / 1/step]
	Sets Execution Timing for TC Adjustment ProCon.		
004	ACC RunTime ProCon	*ENG	[0 to 3 / **2** / 1/step]
	Executes the same operation from SP as that of ACC RunTime ProCon.		
005	TC Adj. Times	*ENG	[1 to 10 / **5** / 1/step]
	Sets the maximum value for Adjustment Loop Number for TC Adjustment ProCon.		
010	ActivePotentialControl	*ENG	[0 to 1 / **0** / 1/step]
	Sets Active Potential Control.		
040	DEMS Select	*ENG	[0 to 1 / **0** / 1/step]
	Sets DEMS Select.		
070	IMSSe Select	*ENG	[0 to 1 / **0** / 1/step]
	Sets IMSSe Select.		

3610	**[Chrg AC Control]**		
	Displays Charge AC Control Value determined by Charge AC Control.		
001	Std Speed: K	*ENG	[0.00 to 3.00 / **2.20** / 0.01kV/step]
002	Std Speed: C	*ENG	
003	Std Speed: M	*ENG	
004	Std Speed: Y	*ENG	

3611	**[Chrg DC Control]**		
	Displays Charge DC Bias determined by ProCon.		
001	Std Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
002	Std Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
003	Std Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]
004	Std Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
011	Mid Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
012	Mid Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
013	Mid Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]
014	Mid Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
021	Low Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
022	Low Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
023	Low Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]
024	Low Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
031	Low Speed2: K	*ENG	[300 to 1000 / **450** / 1-V/step]
032	Low Speed2: C	*ENG	[300 to 1000 / **450** / 1-V/step]
033	Low Speed2: M	*ENG	[300 to 1000 / **550** / 1-V/step]
034	Low Speed2: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
101	Procon:Std Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
102	Procon:Std Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
103	Procon:Std Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]
104	Procon:Std Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
111	Procon:Mid Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
112	Procon:Mid Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
113	Procon:Mid Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]

114	Procon:Mid Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
121	Procon:Low Speed: K	*ENG	[300 to 1000 / **450** / 1-V/step]
122	Procon:Low Speed: C	*ENG	[300 to 1000 / **450** / 1-V/step]
123	Procon:Low Speed: M	*ENG	[300 to 1000 / **550** / 1-V/step]
124	Procon:Low Speed: Y	*ENG	[300 to 1000 / **550** / 1-V/step]
131	Procon:Low Speed2: K	*ENG	[300 to 1000 / **450** / 1-V/step]
132	Procon:Low Speed2: C	*ENG	[300 to 1000 / **450** / 1-V/step]
133	Procon:Low Speed2: M	*ENG	[300 to 1000 / **550** / 1-V/step]
134	Procon:Low Speed2: Y	*ENG	[300 to 1000 / **550** / 1-V/step]

3612	**[Dev DC Control]**		
	Displays Development Bias determined by ProCon.		
001	Std Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
002	Std Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
003	Std Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
004	Std Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
011	Mid Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
012	Mid Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
013	Mid Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
014	Mid Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
021	Low Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
022	Low Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
023	Low Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
024	Low Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
031	Low Speed2: K	*ENG	[200 to 800 / **350** / 1-V/step]
032	Low Speed2: C	*ENG	[200 to 800 / **350** / 1-V/step]

033	Low Speed2: M	*ENG	[200 to 800 / **450** / 1-V/step]
034	Low Speed2: Y	*ENG	[200 to 800 / **450** / 1-V/step]
101	Procon:Std Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
102	Procon:Std Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
103	Procon:Std Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
104	Procon:Std Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
111	Procon:Mid Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
112	Procon:Mid Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
113	Procon:Mid Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
114	Procon:Mid Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
121	Procon:Low Speed: K	*ENG	[200 to 800 / **350** / 1-V/step]
122	Procon:Low Speed: C	*ENG	[200 to 800 / **350** / 1-V/step]
123	Procon:Low Speed: M	*ENG	[200 to 800 / **450** / 1-V/step]
124	Procon:Low Speed: Y	*ENG	[200 to 800 / **450** / 1-V/step]
131	Procon:Low Speed2: K	*ENG	[200 to 800 / **350** / 1-V/step]
132	Procon:Low Speed2: C	*ENG	[200 to 800 / **350** / 1-V/step]
133	Procon:Low Speed2: M	*ENG	[200 to 800 / **450** / 1-V/step]
134	Procon:Low Speed2: Y	*ENG	[200 to 800 / **450** / 1-V/step]

3613	**[LD Power Control]**		
	Displays LD Power determined by ProCon.		
001	Std Speed: K	*ENG	[60 to 180 / **90** / 1%/step]
002	Std Speed: C	*ENG	[60 to 180 / **90** / 1%/step]
003	Std Speed: M	*ENG	[60 to 180 / **95** / 1%/step]
004	Std Speed: Y	*ENG	[60 to 180 / **95** / 1%/step]
101	Procon:Std Speed: K	*ENG	[60 to 180 / **90** / 1%/step]

102	Procon:Std Speed: C	*ENG	[60 to 180 / **90** / 1%/step]
103	Procon:Std Speed: M	*ENG	[60 to 180 / **95** / 1%/step]
104	Procon:Std Speed: K	*ENG	[60 to 180 / **95** / 1%/step]

3620	**[ProCon Target M/A]**		
001	Maximum M/A:K	*ENG	[0.250 to 0.750 / **0.378** / 0.001mg/cm2/step]
	Sets Coverage M/A (K).		
002	Maximum M/A:C	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (C).		
003	Maximum M/A:M	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (M).		
004	Maximum M/A:Y	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (Y).		
011	Maximum M/A Adj.:K	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Maximum M/A Adj. (K) [Operator Adjustment Item].		
012	Maximum M/A Adj.:C	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Maximum M/A Adj. (C) [Operator Adjustment Item].		
013	Maximum M/A Adj.:M	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Maximum M/A Adj. (M) [Operator Adjustment Item].		
014	Maximum M/A Adj.:Y	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Maximum M/A Adj. (Y) [Operator Adjustment Item].		
021	Maximum M/A Corr:K	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]

	Corrects Coverage M/A (K) based on P_Rank if Development gamma is out of the target value.		
022	Maximum M/A Corr:C	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects Coverage M/A (C) based on P_Rank if Development gamma is out of the target value.		
023	Maximum M/A Corr:M	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects Coverage M/A (M) based on P_Rank if Development gamma is out of the target value.		
024	Maximum M/A Corr:Y	*ENG	[-0.150 to 0.150 / **0.000** / 0.001mg/cm2/step]
	Corrects Coverage M/A (Y) based on P_Rank if Development gamma is out of the target value.		
101	Procon:Maximum M/A:K	*ENG	[0.250 to 0.750 / **0.600** / 0.001mg/cm2/step]
	Sets Coverage M/A (K) Current Value according to paper.		
102	Procon:Maximum M/A:C	*ENG	[0.250 to 0.750 / **0.600** / 0.001mg/cm2/step]
	Sets Coverage M/A (C) Current Value according to paper.		
103	Procon:Maximum M/A:M	*ENG	[0.250 to 0.750 / **0.600** / 0.001mg/cm2/step]
	Sets Coverage M/A (M) Current Value according to paper.		
104	Procon:Maximum M/A:Y	*ENG	[0.250 to 0.750 / **0.600** / 0.001mg/cm2/step]
	Sets Coverage M/A (Y) Current Value according to paper.		
111	Plain:Maximum M/A:K	*ENG	[0.250 to 0.750 / **0.378** / 0.001mg/cm2/step]
	Sets Coverage M/A (K) Current Value for plain paper.		

112	Plain:Maximum M/A:C	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (C) Current Value for plain paper.		
113	Plain:Maximum M/A:M	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (M) Current Value for plain paper.		
114	Plain:Maximum M/A:Y	*ENG	[0.250 to 0.750 / **0.433** / 0.001mg/cm2/step]
	Sets Coverage M/A (Y) Current Value for plain paper.		
121	gloss:Maximum M/A:K	*ENG	[0.250 to 0.750 / **0.378** / 0.001mg/cm2/step]
	Sets Coverage M/A (K) Current Value for gloss paper.		
122	gloss:Maximum M/A:C	*ENG	[0.250 to 0.750 / **0.389** / 0.001mg/cm2/step]
	Sets Coverage M/A (C) Current Value for gloss paper.		
123	gloss:Maximum M/A:M	*ENG	[0.250 to 0.750 / **0.389** / 0.001mg/cm2/step]
	Sets Coverage M/A (M) Current Value for gloss paper.		
124	gloss:Maximum M/A:Y	*ENG	[0.250 to 0.750 / **0.389** / 0.001mg/cm2/step]
	Sets Coverage M/A (Y) Current Value for gloss paper.		

3622	**[Dev Pot :Set]**		
001	Current: K	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (K).		
002	Current: C	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (C).		
003	Current: M	*ENG	[0 to 800 / **0** / 1V/step]

	Displays Development Potential: Current Value (M).		
004	Current: Y	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (Y).		
011	Target:K	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Target Value (K).		
012	Target:C	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Target Value (C).		
013	Target:M	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Target Value (M).		
014	Target:Y	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Target Value (Y).		
051	UpperLimit:K	*ENG	[400 to 800 / **625** / 1V/step]
	Sets Development Potential (Upper Limit) (K).		
052	UpperLimit:C	*ENG	[400 to 800 / **625** / 1V/step]
	Sets Development Potential (Upper Limit) (C).		
053	UpperLimit:M	*ENG	[400 to 800 / **625** / 1V/step]
	Sets Development Potential (Upper Limit) (M).		
054	UpperLimit:Y	*ENG	[400 to 800 / **625** / 1V/step]
	Sets Development Potential (Upper Limit) (Y).		
061	LowerLimit:K	*ENG	[0 to 400 / **200** / 1V/step]
	Sets Development Potential (Lower Limit) (K).		
062	LowerLimit:C	*ENG	[0 to 400 / **200** / 1V/step]
	Sets Development Potential (Lower Limit) (C).		
063	LowerLimit:M	*ENG	[0 to 400 / **200** / 1V/step]
	Sets Development Potential (Lower Limit) (M).		
064	LowerLimit:Y	*ENG	[0 to 400 / **200** / 1V/step]

	Sets Development Potential (Lower Limit) (Y).		
101	Current:K	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (K) according to paper.		
102	Current:C	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (C) according to paper.		
103	Current:M	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (M) according to paper.		
104	Current:Y	*ENG	[0 to 800 / **0** / 1V/step]
	Displays Development Potential: Current Value (Y) according to paper.		

3623	**[LD Power :Set]**		
	Displays LD power decided Procon.		
051	Line Width Adj.:K	*ENG	[20 to 120 / **53** / 1um/step]
	Sets Line Width Adj. (K) [Operator Adjustment Item].		
052	Line Width Adj.:C	*ENG	[20 to 120 / **51** / 1um/step]
	Sets Line Width Adj. (C) [Operator Adjustment Item].		
053	Line Width Adj.:M	*ENG	[20 to 120 / **51** / 1um/step]
	Sets Line Width Adj. (M) [Operator Adjustment Item].		
054	Line Width Adj.:Y	*ENG	[20 to 120 / **51** / 1um/step]
	Sets Line Width Adj. (Y) [Operator Adjustment Item].		
061	Line Width Adj.:K	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Line Width Adj. (K) [Operator Adjustment Item].		
062	Line Width Adj.:C	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Line Width Adj. (C) [Operator Adjustment Item].		
063	Line Width Adj.:M	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Line Width Adj. (M) [Operator Adjustment Item].		

064	Line Width Adj.:Y	*ENG	[-5 to 5 / **0** / 1/step]
	Sets Line Width Adj. (Y) [Operator Adjustment Item].		

3624	**[TC Adj. Mode]**		
001	Target(Upp Limit)	*ENG	[0.00 to 1.00 / **0.15** / 0.01 mg/cm2/-kV/step]
	Sets Development gamma Adjustment Target (Upp Limit) for Toner Density Adjustment.		
002	Target(Lwr Limit)	*ENG	[0.00 to 1.00 / **-0.10** / 0.01 mg/cm2/-kV/step]
	Sets Development gamma Adjustment Target (Lwr Limit) for Toner Density Adjustment.		

3630	**[Dev gamma :Disp/Set]**		
001	Current: K	*ENG	[0.10 to 6.00 / **0.10** / 0.01 mg/cm2/-kV/step]
	Displays the latest Development gamma (K).		
002	Current: C	*ENG	[0.10 to 6.00 / **0.10** / 0.01 mg/cm2/-kV/step]
	Displays the latest Development gamma (C).		
003	Current: M	*ENG	[0.10 to 6.00 / **0.10** / 0.01 mg/cm2/-kV/step]
	Displays the latest Development gamma (M).		
004	Current: Y	*ENG	[0.10 to 6.00 / **0.10** / 0.01 mg/cm2/-kV/step]
	Displays the latest Development gamma (Y).		
011	Target:K	*ENG	[0.50 to 2.55 / **0.50** / 0.01 mg/cm2/-kV/step]
	Displays Target Value for Development gamma (K).		

012	Target:C	*ENG	[0.50 to 2.55 / **0.50** / 0.01 mg/cm2/-kV/step]
	Displays Target Value for Development gamma (C).		
013	Target:M	*ENG	[0.50 to 2.55 / **0.50** / 0.01 mg/cm2/-kV/step]
	Displays Target Value for Development gamma (M).		
014	Target:Y	*ENG	[0.50 to 2.55 / **0.50** / 0.01 mg/cm2/-kV/step]
	Displays Target Value for Development gamma (Y).		
061	TnrDensity:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1 wt%/step]
	Displays Toner Density (K) converted based on TD Sensor output.		
062	TnrDensity:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1 wt%/step]
	Displays Toner Density (C) converted based on TD Sensor output.		
063	TnrDensity:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1 wt%/step]
	Displays Toner Density (M) converted based on TD Sensor output.		
064	TnrDensity:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1 wt%/step]
	Displays Toner Density (Y) converted based on TD Sensor output.		

3631	**[Vk :Disp]**		
	Displays the latest Development Start Voltage.		
001	K	*ENG	[-300 to 300 / **0** / 1-V/step]
002	C	*ENG	
003	M	*ENG	
004	Y	*ENG	

3641	**[Vd(700) :Disp]**		
001	Average:K	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		
002	Average:C	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
003	Average:M	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
004	Average:Y	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the average of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
011	Max:K	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		
012	Max:C	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
013	Max:M	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
014	Max:Y	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the maximum value of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
021	Min:K	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (K) (Offset Exposure ON).		

022	Min:C	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (C) (Offset Exposure ON).		
023	Min:M	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (M) (Offset Exposure ON).		
024	Min:Y	*ENG	[0 to 999 / **0** / 1-V/step]
	Displays the minimum value of one rotation of the drum for the latest OPC Vd (Y) (Offset Exposure ON).		
031	Coef:K	*ENG	[0.80 to 1.20 / **0.97** / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (K) calculated from Vc-Vd Plotter.		
032	Coef:C	*ENG	[0.80 to 1.20 / **0.97** / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (C) calculated from Vc-Vd Plotter.		
033	Coef:M	*ENG	[0.80 to 1.20 / **0.97** / 0.01/step]
	Sets Correction Coefficient ((Vc-Vd Convert Coefficient) (M) calculated from Vc-Vd Plotter.		
034	Coef:Y	*ENG	[0.80 to 1.20 / **0.97** / 0.01/step]
	Sets Correction Coefficient (Vc-Vd Convert Coefficient) (Y) calculated from Vc-Vd Plotter.		

3642	**[Vr :Disp]**		
	Displays the latest OPC Vr.		
001	K	*ENG	[0 to 999/ **0** / 1-V/step]
002	C	*ENG	
003	M	*ENG	
004	Y	*ENG	

3649	[Pattern Pot:]		
001	Vl(P5):K	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vl (P5): (K) of the fifth patch for Graduation Pattern.		
002	Vl(P5):C	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vl (P5): (C) of the fifth patch for Graduation Pattern.		
003	Vl(P5):M	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vl (P5): (M) of the fifth patch for Graduation Pattern.		
004	Vl(P5):Y	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vl (P5): (Y) of the fifth patch for Graduation Pattern.		
011	Vpl:K	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vpl (K) for Relay Pattern.		
012	Vpl:C	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vpl (C) for Relay Pattern.		
013	Vpl:M	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vpl (M) for Relay Pattern.		
014	Vpl:Y	*ENG	[0 to 999/ **0** / 1-V/step]
	Displays Vpl (Y) for Relay Pattern.		

3670	[DEMS:Settting]		
001	OFF/ON	*ENG	[0 to 2 / **0** / 1/step]
	Sets OFF/ON for DEMS.		
010	Abp[1] Lwr Threshold	*ENG	[0.000 to 0.100 / **0.005** / 0.001mg/cm2/step]
	Sets Abp[1] Lower Threshold for OPC Cycle of Development Bias.		
011	Abd[1] Lwr Threshold	*ENG	[0.000 to 0.100 / **0.005** / 0.001mg/cm2/step]
	Sets Abd[1] Lower Threshold for Development Roller Cycle of Development Bias.		
020	deltaP_Upp Threshold	*ENG	[0.0 to 180.0 / **60.0** / 0.1deg/step]
	Sets the deltaP_Upp Threshold per rotating body rotation of Adhesion amount patch.		

3671	[Vc:Coef:Setting]		
001	Scp[1]	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]
	Sets Frequency Correction Coefficient Scp[1] for OPC Cycle amplitude of Vc.		
011	Kcp1	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]
	Sets Line Speed: Mid Correction Coefficient Kcp1 for OPC Cycle amplitude of Vc.		
012	Kcp2	*ENG	[0.00 to 2.55 / **0.90** / 0.01/step]
	Sets Line Speed: Low Correction Coefficient Kcp2 for OPC Cycle amplitude of Vc.		
051	Scd[1]	*ENG	[0.00 to 2.55 / **1.10** / 0.01/step]
	Sets Frequency Correction Coefficient Scd[1] for Development Roller Cycle amplitude of Vc.		
061	Kcd1	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]

	Sets Line Speed: Mid Correction Coefficient Kcd1 for Development Roller Cycle amplitude of Vc.		
062	Kcd2	*ENG	[0.00 to 2.55 / **0.90** / 0.01/step]
	Sets Line Speed: Low Correction Coefficient Kcd2 for Development Roller Cycle amplitude of Vc.		
071	tadj_c:K	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_c (K) time for Vc (K).		
072	tadj_c:C	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_c (K) time for Vc (C).		
073	tadj_c:M	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_c (K) time for Vc (M).		
074	tadj_c:Y	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_c (K) time for Vc (Y).		
081	MaxPot:Slope	*ENG	[0. 00 to 0.50 / **0.41** / 0.01/step]
	Sets the coefficient alpha (MaxPot: Slope) for correcting Vc Table.		
082	MaxPot:Intercept	*ENG	[0 to 255 / **34** / 1V/step]
	Sets the coefficient beta (MaxPot: Intercept) for correcting Vc Table.		

3672	**[Vc:Amp:Disp]**		
001	OPC:Acp[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp[1] for Vc Bias (K).		
002	OPC:Acp[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp[1] for Vc Bias (C).		
003	OPC:Acp[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]

	Displays OPC:Acp[1] for Vc Bias (M).		
004	OPC:Acp[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp[1] for Vc Bias (Y).		
051	DEV:Acd[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd[1] for Vc Bias (K).		
052	DEV:Acd[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd[1] for Vc Bias (C).		
053	DEV:Acd[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd[1] for Vc Bias (M).		
054	DEV:Acd[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd[1] for Vc Bias (Y).		

3673	**[Vc:Amp:Disp]**		
001	OPC:Acp'[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp'[1] for Vc Bias (K).		
002	OPC:Acp'[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp'[1] for Vc Bias (C).		
003	OPC:Acp'[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp'[1] for Vc Bias (M).		
004	OPC:Acp'[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Acp'[1] for Vc Bias (Y).		
051	DEV:Acd'[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd'[1] for Vc Bias (K).		
052	DEV:Acd'[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd'[1] for Vc Bias (C).		
053	DEV:Acd'[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]

	Displays DEV:Acd'[1] for Vc Bias (M).		
054	DEV:Acd'[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Acd'[1] for Vc Bias (Y).		

3674	**[Vc:Phase:Disp]**		
001	OPC:Pcp[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pcp[1] for Vc Bias (K).		
002	OPC:Pcp[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pcp[1] for Vc Bias (C).		
003	OPC:Pcp[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pcp[1] for Vc Bias (M).		
004	OPC:Pcp[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pcp[1] for Vc Bias (Y).		
051	DEV:Pcd[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pcd[1] for Vc Bias (K).		
052	DEV:Pcd[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pcd[1] for Vc Bias (C).		
053	DEV:Pcd[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pcd[1] for Vc Bias (M).		
054	DEV:Pcd[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pcd[1] for Vc Bias (Y).		
101	deltaPcp[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (K).		
102	deltaPcp[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (C).		
103	deltaPcp[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]

	Displays deltaPcp[1] for M/A patch (M).		
104	deltaPcp[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (Y).		
151	deltaPcd[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (K).		
152	deltaPcd[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (C).		
153	deltaPcd[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (M).		
154	deltaPcd[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (Y).		

3675	**[Vb:Coef:Setting]**		
001	Sbp[1]	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]
	Sets Frequency Correction Coefficient Sbp[1] for OPC Cycle amplitude of Vb.		
011	Kbp1	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]
	Sets Line Speed: Mid Correction Coefficient Kbp1 for OPC Cycle amplitude of Vb.		
012	Kbp2	*ENG	[0.00 to 2.55 / **0.90** / 0.01/step]
	Sets Line Speed: Low Correction Coefficient Kbp2 for OPC Cycle amplitude of Vb.		
051	Sbd[1]	*ENG	[0.00 to 2.55 / **1.10** / 0.01/step]
	Sets Frequency Correction Coefficient Sbd[1] for Development Roller Cycle amplitude of Vb.		
061	Kbd1	*ENG	[0.00 to 2.55 / **1.00** / 0.01/step]
	Sets Line Speed: Mid Correction Coefficient Kbd1 for Development Roller Cycle amplitude of Vb.		

062	Kbd2	*ENG	[0.00 to 2.55 / **0.90** / 0.01/step]
	Sets Line Speed: Low Correction Coefficient Kbd1 for Development Roller Cycle amplitude of Vb.		
071	tadj_b:K	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_b (K) time for Vb (K).		
072	tadj_b:C	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_b (C) time for Vb (C).		
073	tadj_b:M	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_b (M) time for Vb (M).		
074	tadj_b:Y	*ENG	[-0.500 to 0.500 / **0.000** / 0.001s/step]
	Sets tadj_b (Y) time for Vb (Y).		

3676	**[Vb:Amp:Disp]**		
001	OPC:Abp[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp[1] for Vb Bias (K).		
002	OPC:Abp[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp[1] for Vb Bias (C).		
003	OPC:Abp[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp[1] for Vb Bias (M).		
004	OPC:Abp[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp[1] for Vb Bias (Y)		
051	DEV:Abd[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd[1] for Vb Bias (K).		
052	DEV:Abd[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]

	Displays DEV:Abd[1] for Vb Bias (C).		
053	DEV:Abd[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd[1] for Vb Bias (M).		
054	DEV:Abd[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd[1] for Vb Bias (Y).		

3677	**[Vb:Amp:Disp]**		
001	OPC:Abp'[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp'[1] for Vb Bias (K).		
002	OPC:Abp'[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp'[1] for Vb Bias (C).		
003	OPC:Abp'[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp'[1] for Vb Bias (M).		
004	OPC:Abp'[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays OPC:Abp'[1] for Vb Bias (Y).		
051	DEV:Abd'[1]:K	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd'[1] for Vb Bias (K).		
052	DEV:Abd'[1]:C	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd'[1] for Vb Bias (C).		
053	DEV:Abd'[1]:M	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd'[1] for Vb Bias (M).		
054	DEV:Abd'[1]:Y	*ENG	[0.0 to 25.5 / **0.0** / 0.1%/step]
	Displays DEV:Abd'[1] for Vb Bias (Y).		

3678	**[Vb:Phase:Disp]**		
001	OPC:Pbp[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pbp[1] for Vb Bias (K).		
002	OPC:Pbp[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pbp[1] for Vb Bias (C).		
003	OPC:Pbp[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pbp[1] for Vb Bias (M).		
004	OPC:Pbp[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays OPC:Pbp[1] for Vb Bias (Y).		
051	DEV:Pbd[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pbd[1] for Vb Bias (K).		
052	DEV:Pbd[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pbd[1] for Vb Bias (C).		
053	DEV:Pbd[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pbd[1] for Vb Bias (M).		
054	DEV:Pbd[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays DEV:Pbd[1] for Vb Bias (Y).		
101	deltaPbp[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (K).		
102	deltaPbp[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (C).		
103	deltaPbp[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (M).		
104	deltaPbp[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcp[1] for M/A patch (Y).		

151	deltaPbd[1]:K	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (K).		
152	deltaPbd[1]:C	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (C).		
153	deltaPbd[1]:M	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (M).		
154	deltaPbd[1]:Y	*ENG	[0.0 to 360.0 / **0.0** / 0.1deg/step]
	Displays deltaPcd[1] for M/A patch (Y).		

3701	**[Manual New Part Set]**		
	Sets Flag for executing Manual New Part Setting.		
001	#PCDU:K	*ENG	[0 to 1 / **0** / 1/step]
003	#K_Development Unit	*ENG	[0 to 1 / **0** / 1/step]
004	Development: Bk	*ENG	[0 to 1 / **0** / 1/step]
005	Development Filter:K	*ENG	[0 to 1 / **0** / 1/step]
008	#Cleaning Unit: K	*ENG	[0 to 1 / **0** / 1/step]
009	K_Cleaning Blade	*ENG	[0 to 1 / **0** / 1/step]
010	K_Lubricant Brush	*ENG	[0 to 1 / **0** / 1/step]
011	Lubricant Bar: K	*ENG	[0 to 1 / **0** / 1/step]
012	K_Lubricant Blade	*ENG	[0 to 1 / **0** / 1/step]
013	Brash Drive Joint:K	*ENG	[0 to 1 / **0** / 1/step]
014	Gears:K	*ENG	[0 to 1 / **0** / 1/step]
017	#K_Charge Roller Unit	*ENG	[0 to 1 / **0** / 1/step]
018	Charge Roller: K	*ENG	[0 to 1 / **0** / 1/step]
019	Cleaner:Charge Roller:K	*ENG	[0 to 1 / **0** / 1/step]
020	Gear:Charge Roller:K	*ENG	[0 to 1 / **0** / 1/step]

021	#PCU:K	*ENG	[0 to 1 / **0** / 1/step]
024	#PCDU:C	*ENG	[0 to 1 / **0** / 1/step]
026	#C_Development Unit	*ENG	[0 to 1 / **0** / 1/step]
027	Development: C	*ENG	[0 to 1 / **0** / 1/step]
028	Development Filter:C	*ENG	[0 to 1 / **0** / 1/step]
031	#Cleaning Unit: C	*ENG	[0 to 1 / **0** / 1/step]
032	C_Cleaning Blade	*ENG	[0 to 1 / **0** / 1/step]
033	C_Lubricant Brush	*ENG	[0 to 1 / **0** / 1/step]
034	Lubricant Bar: C	*ENG	[0 to 1 / **0** / 1/step]
035	C_Lubricant Blade	*ENG	[0 to 1 / **0** / 1/step]
036	Brash Drive Joint:C	*ENG	[0 to 1 / **0** / 1/step]
037	Gears:C	*ENG	[0 to 1 / **0** / 1/step]
040	#C_Charge Roller Unit	*ENG	[0 to 1 / **0** / 1/step]
041	Charge Roller: C	*ENG	[0 to 1 / **0** / 1/step]
042	Cleaner:Charge Roller:C	*ENG	[0 to 1 / **0** / 1/step]
043	Gear:Charge Roller:C	*ENG	[0 to 1 / **0** / 1/step]
044	#PCU:C	*ENG	[0 to 1 / **0** / 1/step]
047	#PCDU:M	*ENG	[0 to 1 / **0** / 1/step]
049	#M_Development Unit	*ENG	[0 to 1 / **0** / 1/step]
050	Development: M	*ENG	[0 to 1 / **0** / 1/step]
051	Development Filter:M	*ENG	[0 to 1 / **0** / 1/step]
054	#Cleaning Unit: M	*ENG	[0 to 1 / **0** / 1/step]
055	M_Cleaning Blade	*ENG	[0 to 1 / **0** / 1/step]
056	M_Lubricant Brush	*ENG	[0 to 1 / **0** / 1/step]
057	Lubricant Bar: M	*ENG	[0 to 1 / **0** / 1/step]
058	M_Lubricant Blade	*ENG	[0 to 1 / **0** / 1/step]

059	Brash Drive Joint:M	*ENG	[0 to 1 / **0** / 1/step]
060	Gears:M	*ENG	[0 to 1 / **0** / 1/step]
063	#M_Charge Roller Unit	*ENG	[0 to 1 / **0** / 1/step]
064	Charge Roller: M	*ENG	[0 to 1 / **0** / 1/step]
065	Cleaner:Charge Roller:M	*ENG	[0 to 1 / **0** / 1/step]
066	Gear:Charge Roller:M	*ENG	[0 to 1 / **0** / 1/step]
067	#PCU:M	*ENG	[0 to 1 / **0** / 1/step]
070	#PCDU:Y	*ENG	[0 to 1 / **0** / 1/step]
072	#Y_Development Unit	*ENG	[0 to 1 / **0** / 1/step]
073	Development: Y	*ENG	[0 to 1 / **0** / 1/step]
074	Development Filter:Y	*ENG	[0 to 1 / **0** / 1/step]
077	#Cleaning Unit: Y	*ENG	[0 to 1 / **0** / 1/step]
078	Y_Cleaning Blade	*ENG	[0 to 1 / **0** / 1/step]
079	Y_Lubricant Brush	*ENG	[0 to 1 / **0** / 1/step]
080	Lubricant Bar: Y	*ENG	[0 to 1 / **0** / 1/step]
081	Y_Lubricant Blade	*ENG	[0 to 1 / **0** / 1/step]
082	Brash Drive Joint:Y	*ENG	[0 to 1 / **0** / 1/step]
083	Gears:Y	*ENG	[0 to 1 / **0** / 1/step]
086	#Y_Charge Roller Unit	*ENG	[0 to 1 / **0** / 1/step]
087	Charge Roller: Y	*ENG	[0 to 1 / **0** / 1/step]
088	Cleaner:Charge Roller:Y	*ENG	[0 to 1 / **0** / 1/step]
089	Gear:Charge Roller:Y	*ENG	[0 to 1 / **0** / 1/step]
090	#PCU:Y	*ENG	[0 to 1 / **0** / 1/step]
093	#Image Transfer Unit	*ENG	[0 to 1 / **0** / 1/step]
094	ITB(Image Transfer Belt)	*ENG	[0 to 1 / **0** / 1/step]
095	ITB Roller: K	*ENG	[0 to 1 / **0** / 1/step]

096	ITB Roller: C	*ENG	[0 to 1 / **0** / 1/step]
097	ITB Roller: M	*ENG	[0 to 1 / **0** / 1/step]
098	ITB Roller: Y	*ENG	[0 to 1 / **0** / 1/step]
099	ITB Bias Roller	*ENG	[0 to 1 / **0** / 1/step]
102	#ITB Cleaning Unit	*ENG	[0 to 1 / **0** / 1/step]
103	ITB Cleaning Blade	*ENG	[0 to 1 / **0** / 1/step]
104	Lubricant Brush	*ENG	[0 to 1 / **0** / 1/step]
105	Lubrication: Belt Cleanig	*ENG	[0 to 1 / **0** / 1/step]
106	Lube Application Blade	*ENG	[0 to 1 / **0** / 1/step]
109	#Paper Transfer Unit	*ENG	[0 to 1 / **0** / 1/step]
110	Quenching	*ENG	[0 to 1 / **0** / 1/step]
111	PTR(Paper Transfer Roller)	*ENG	[0 to 1 / **0** / 1/step]
114	#Fusing	*ENG	[0 to 1 / **0** / 1/step]
115	#Fusing Unit	*ENG	[0 to 1 / **0** / 1/step]
116	Fusing Belt	*ENG	[0 to 1 / **0** / 1/step]
117	Hot Roller	*ENG	[0 to 1 / **0** / 1/step]
118	Pressure Roller	*ENG	[0 to 1 / **0** / 1/step]
119	Pressure Roller Bearings	*ENG	[0 to 1 / **0** / 1/step]
120	Fusing Belt Smoothing Roller	*ENG	[0 to 1 / **0** / 1/step]
124	#Fusing Cleaning Unit	*ENG	[0 to 1 / **0** / 1/step]
125	Cleaning Web	*ENG	[0 to 1 / **0** / 1/step]
126	Web Cleaning Roller	*ENG	[0 to 1 / **0** / 1/step]
127	Web Roller Stopper	*ENG	[0 to 1 / **0** / 1/step]
130	#Main Unit Filters	*ENG	[0 to 1 / **0** / 1/step]
131	Dust Filter:Large	*ENG	[0 to 1 / **0** / 1/step]
132	Dust Filter:Small	*ENG	[0 to 1 / **0** / 1/step]

133	Ozone Filter	*ENG	[0 to 1 / **0** / 1/step]
134	Deodorant Filter:Large	*ENG	[0 to 1 / **0** / 1/step]
135	Deodorant Filter:Small	*ENG	[0 to 1 / **0** / 1/step]
145	#Tray1 Roller Assembly	*ENG	[0 to 1 / **0** / 1/step]
146	Pick-up Roller-Tray1	*ENG	[0 to 1 / **0** / 1/step]
147	Feed Roller:Tray 1:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
148	Feed Roller:Tray 1:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
151	#Tray2 Roller Assembly	*ENG	[0 to 1 / **0** / 1/step]
152	Pick-up Roller-Tray2	*ENG	[0 to 1 / **0** / 1/step]
153	Feed Roller:Tray 2:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
154	Feed Roller:Tray 2:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
157	#Tray3 Roller Assembly	*ENG	[0 to 1 / **0** / 1/step]
158	Pick-up Roller-Tray3	*ENG	[0 to 1 / **0** / 1/step]
159	Feed Roller:Tray 3:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
160	Feed Roller:Tray 3:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
163	#Tray4 Roller Assembly	*ENG	[0 to 1 / **0** / 1/step]
164	Pick-up Roller-Tray4	*ENG	[0 to 1 / **0** / 1/step]
165	Feed Roller:Tray 4:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
166	Feed Roller:Tray 4:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
169	#Feed Roller:Bypass	*ENG	[0 to 1 / **0** / 1/step]

170	Feed Roller:Bypass:Pick-up	*ENG	[0 to 1 / **0** / 1/step]
171	Feed Roller:Bypass:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
172	Feed Roller:Bypass:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
175	#Feed Roller:A3LCT	*ENG	[0 to 1 / **0** / 1/step]
176	Feed Roller:A3LCT:Pick-up	*ENG	[0 to 1 / **0** / 1/step]
177	Feed Roller:A3LCT:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
178	Feed Roller:A3LCT:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
181	#Feed Roller:A4LCT	*ENG	[0 to 1 / **0** / 1/step]
182	Feed Roller:A4LCT:Pick-up	*ENG	[0 to 1 / **0** / 1/step]
183	Feed Roller:A4LCT:Feeding Roller	*ENG	[0 to 1 / **0** / 1/step]
184	Feed Roller:A4LCT:Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
187	#Inserter Feed:Tray 1	*ENG	[0 to 1 / **0** / 1/step]
188	Inserter:Tray1:Pick-up	*ENG	[0 to 1 / **0** / 1/step]
189	Inserter:Tray1:Feed Belt	*ENG	[0 to 1 / **0** / 1/step]
190	Inserter:Tray1:Separate Roller	*ENG	[0 to 1 / **0** / 1/step]
193	#Inserter Feed:Tray 2	*ENG	[0 to 1 / **0** / 1/step]
194	Inserter:Tray2:Pick-up	*ENG	[0 to 1 / **0** / 1/step]
195	Inserter:Tray2:Feed Belt	*ENG	[0 to 1 / **0** / 1/step]
196	Inserter:Tray2:Separate Roller	*ENG	[0 to 1 / **0** / 1/step]
199	#Interposer	*ENG	[0 to 1 / **0** / 1/step]

200	Feed Belt:Interposer	*ENG	[0 to 1 / **0** / 1/step]
201	Separation Roller:Interposer	*ENG	[0 to 1 / **0** / 1/step]
202	Pick-up Roller:Interposer	*ENG	[0 to 1 / **0** / 1/step]
205	#ADF	*ENG	[0 to 1 / **0** / 1/step]
206	ADF Feed Belt	*ENG	[0 to 1 / **0** / 1/step]
207	ADF Separation Roller	*ENG	[0 to 1 / **0** / 1/step]
208	ADF Pick-up Roller	*ENG	[0 to 1 / **0** / 1/step]

3800	**[Waste Toner Full Detection]**		
001	Condition	*ENG	[0 to 4 / **0** / 1/step] 0: New 1: Normal 2: Near Full or alike 3: Full or alike
	Notifies the condition of the Waste Toner Bottle after detecting from Mecha Detection, counter operation, and so on.		
002	Page Count 1 After Near Full	*ENG	[0 to 1000000 / **0** / 1page/step]
	Counts printed pages after Mecha Detection.		
003	Volume Count 1 After Near Full	*ENG	[0.0 to 10000000.0 / **0.0** / 0.1mg/step]
	Counts waste toner volume (including printing and adjustment operation) after Mecha Detection.		
004	Volume Count 1 After Replacement	*ENG	[0.0 to 10000000.0 / **0.0** / 0.1mg/step]
	Counts waste toner volume (including printing and adjustment operation) for New Part detection (from Near Full).		
005	Volume Count 2 After Replacement	*ENG	[0.0 to 10000000.0 / **0.0** / 0.1mg/step]
	Counts waste toner volume (including printing and adjustment operation) for New Part detection (from Full).		

006	Page Count 2 After Near Full	*ENG	[0 to 1000000 / **0** / 1page/step]
	Counts printed pages after failing in New Part detection.		
007	Volume Count 2 After Near Full	*ENG	[0.0 to 10000000.0 / **0.0** / 0.1mg/step]
	Counts waste toner volume (including printing and adjustment operation) after failing in New Part detection.		
011	Threshold : print page : full	*ENG	[0 to 1000000 / **36000** / 1page/step] Value increase: Printed pages from Mecha Detection increases. Value decrease: Printed pages from Mecha Detection decreases.
	Threshold for Full detection. Displays Print Page Threshold for Full from Mecha Detection.		
012	Threshold : Volume Count : full	*ENG	[0.0 to 10000000.0 / **480000.0** / 0.1mg/step] Value increase: Upper limit for Waste Toner Volume from Mecha Detection increases. Value decrease: Upper Limit for Waste Toner Volume from Mecha Detection decreases.
	Threshold for Full detection. Displays Waste Toner Volume Threshold for Full from Mecha Detection.		
013	Threshold : Volume Count : empty	*ENG	[0.0 to 10000000.0 / **960000.0** / 0.1mg/step] Value increase: Printed pages until when the machine recognizes that the new bottle is set increases. Value decrease: Printed pages until when the machine recognizes that the new bottle is set decreases.
	Threshold for New Part detection. Displays Waste Toner Volume Threshold from Near Full and Full to New Part.		

014	Threshold : Remainder days	*ENG	[0 to 255 / **15(Office a, Office b), 29(Pro a, Pro b)** / 1day/step] Value increase: The days until when the Near Full message is displayed after Mecha Detection become short. Value decrease: The days until when the Near Full message is displayed after Mecha Detection become long.
	Displays the threshold for remainder days indicating the timing to display the Near Full message after Mecha Detection.		
021	Solid M/A	*ENG	[0.00000 to 1.00000 / **0.00500** / 0.00001 mg/mm2]
	Solid M/A		
022	Background M/A	*ENG	[0.00000 to 1.00000 / **0.00002** / 0.00001 mg/mm2]
	Background M/A		
023	Percentage of Transfer Ratio	*ENG	[0 to 100 / **81** / 1/step]
	Percentage of Transfer Ratio		
024	Date of detection for near full	*ENG	[0 to 1 / **0** / 1/step]
	Displays Date of detection for near full.		

3810	**[Lubricant End Detection]**		
001	Near End Detection Distance: Thres1:Bk	*ENG	[0 to 999999999 / **0** / 1cm/step]
	Distance Threshold (K) between Mecha Detection and Near End Detection (Near End Display)		
002	Near End Detection Distance: Thres1:FC	*ENG	[0 to 999999999 / **0** / 1cm/step]

	Distance Threshold (FC) between Mecha Detection and Near End Detection (Near End Display)		
003	End Detection Distance: Thres2:Bk	*ENG	[0 to 999999999 / **1200000** / 1cm/step]
	Distance Threshold (K) between Mecha Detection and End Detection		
004	End Detection Distance: Thres2:FC	*ENG	[0 to 999999999 / **1200000** / 1cm/step]
	Distance Threshold (FC) between Near End Detection and End Detection		
005	Conduction Detection Times:Thres3	*ENG	[0 to 9 / **1** / 1/step]
	Conduction Detection Times Threshold Normal -> Conduction Detection Times in Mecha Detection Shifting to Mecha Detection becomes slow if Conduction Detection Times increases.		
006	New Unit Conduction Detection Times:Thres4	*ENG	[0 to 9 / **4** / 1/step]
	New Unit Conduction Detection Times Threshold Threshold for Conduction Detection Times until when judged as New Unit Judging as New Unit becomes fast if Conduction Detection Times decreases. Judging as New Unit becomes slow if Conduction Detection Times increases.		
011	Conduction Detection Times Counter:K	*ENG	[0 to 9 / **0** / 1/step]
	Conduction Detection Times Counter (K) Normal -> Mecha or Conduction Times Counter (K) when detecting New Unit		
012	Conduction Detection Times Counter:C	*ENG	[0 to 9 / **0** / 1/step]
	Conduction Detection Times Counter (C) Normal -> Mecha or Conduction Times Counter (C) when detecting New Unit		
013	Conduction Detection Times Counter:M	*ENG	[0 to 9 / **0** / 1/step]

	Conduction Detection Times Counter (M) Normal -> Mecha or Conduction Times Counter (M) when detecting New Unit		
014	Conduction Detection Times Counter:Y	*ENG	[0 to 9 / **0** / 1/step]
	Conduction Detection Times Counter (Y) Normal -> Mecha or Conduction Times Counter (Y) when detecting New Unit		
015	Near End Distance:K	*ENG	[0 to 999999999 / **0** / 1cm/step]
	OPC Distance (K): Save SP Saves and stores the value for PM Counter when detecting Mecha.		
016	Near End Distance:C	*ENG	[0 to 999999999 / **0** / 1cm/step]
	OPC Distance (C): Save SP Saves and stores the value for PM Counter when detecting Mecha.		
017	Near End Distance:M	*ENG	[0 to 999999999 / **0** / 1cm/step]
	OPC Distance (M): Save SP Saves and stores the value for PM Counter when detecting Mecha.		
018	Near End Distance:Y	*ENG	[0 to 999999999 / **0** / 1cm/step]
	OPC Distance (Y): Save SP Saves and stores the value for PM Counter when detecting Mecha.		
021	Detection Flag:K	*ENG	[0 to 3 / **0** / 1/step] 0: Normal, 1: Mecha Detection, 2: Near End Detection, 3: End Detection
	Detection Flag (K)		
022	Detection Flag:C	*ENG	[0 to 3 / **0** / 1/step] 0: Normal, 1: Mecha Detection, 2: Near End Detection 3: End Detection
	Detection Flag (C)		

023	Detection Flag:M	*ENG	[0 to 3 / **0** / 1/step] 0: Normal 1: Mecha Detection 2: Near End Detection 3: End Detection
	Detection Flag (M)		
024	Detection Flag:Y	*ENG	[0 to 3 / **0** / 1/step] 0: Normal, 1: Mecha Detection 2: Near End Detection 3: End Detection
	Detection Flag (Y)		
025	New Unit Detection Flag:K	*ENG	[0 to 1 / **0** / 1/step] 0: Normal, 1: Detecting New Unit
	New Unit Detection Flag (K)		
026	New Unit Detection Flag:C	*ENG	[0 to 1 / **0** / 1/step] 0: Normal, 1: Detecting New Unit
	New Unit Detection Flag (C)		
027	New Unit Detection Flag:M	*ENG	[0 to 1 / **0** / 1/step] 0: Normal 1: Detecting New Unit
	New Unit Detection Flag (M)		
028	New Unit Detection Flag:Y	*ENG	[0 to 1 / **0** / 1/step] 0: Normal, 1: Detecting New Unit
	New Unit Detection Flag (Y)		
030	End Detection pages:Thres5:BK	*ENG	[- / **600000** / -]
	-		

031	End Detection pages:Thres5:FC	*ENG	[- / **600000** / -]
	-		
032	End Detection pages:Distance Thres5:BK	*ENG	[- / **340000** / -]
	-		
033	End Detection pages:Distance Thres5:BK	*ENG	[- / **340000** / -]
	-		

3820	**[Tnr Refresh Mode]**		
001	Img Area Thresh:K	ENG	[0.0 to 25.5 / **1.5** / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode Bk.		
002	Img Area Thresh:C	ENG	[0.0 to 25.5 / **1.5** / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode C.		
003	Img Area Thresh:M	ENG	[0.0 to 25.5 / **1.5** / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode M.		
004	Img Area Thresh:Y	ENG	[0.0 to 25.5 / **1.5** / 0.1%/step]
	Sets Image Area Threshold for Toner Refresh Mode Y.		
011	K Amount	ENG	[0.0 to 65535.0 / **0.0** / 0.1mm]
	Displays required Toner Refresh amount for Bk.		
012	C Amount	ENG	[0.0 to 65535.0 / **0.0** / 0.1mm]
	Displays required Toner Refresh amount for C.		
013	M Amount	ENG	[0.0 to 65535.0 / **0.0** / 0.1mm]
	Displays required Toner Refresh amount for M.		
014	Y Amount	ENG	[0.0 to 65535.0 / **0.0** / 0.1mm]
	Displays required Toner Refresh amount for Y.		

021	Max Between Pattern	ENG	[40 to 255 / **40** / 1mm]
	Sets Max Between Pattern for Toner Refresh.		
022	Max Job End Pattern	ENG	[0 to 10000 / **1000** / 1mm]
	Sets Max Job End Pattern for Toner Refresh.		
031	Between Ptn flag	ENG	[0 to 1 / **0** / 1/step]
	Displays Execution Between Pattern flag. The flag turns to "1" automatically when the required Refresh amount exceeds the below mentioned Between Pattern Start threshold, and then executes Between Pattern.		
032	Between Ptn Start threshold	ENG	[0 to 10000 / **50** / 1mm]
	Sets Between Pattern Start threshold. Between Pattern starts when the required Refresh amount exceeds this threshold.		
033	Between Ptn Stop threshold	ENG	[0 to 10000 / **30** / 1mm]
	Sets Between Pattern Stop threshold. Between Pattern stops when the required Refresh amount falls below this threshold.		

3921	**[ProCon Target M/A] *D137/D138 only**		
	Sets Maximum M/A Adj. (K) [Operator Adjustment Item].		
001	Custom Paper 001	ENG	[-5 to 5 / **0** / 1/step]
002	Custom Paper 002	ENG	[-5 to 5 / **0** / 1/step]
003	Custom Paper 003	ENG	[-5 to 5 / **0** / 1/step]
004	Custom Paper 004	ENG	[-5 to 5 / **0** / 1/step]
005	Custom Paper 005	ENG	[-5 to 5 / **0** / 1/step]
006	Custom Paper 006	ENG	[-5 to 5 / **0** / 1/step]
007	Custom Paper 007	ENG	[-5 to 5 / **0** / 1/step]
008	Custom Paper 008	ENG	[-5 to 5 / **0** / 1/step]
009	Custom Paper 009	ENG	[-5 to 5 / **0** / 1/step]

010	Custom Paper 010	ENG	[-5 to 5 / **0** / 1/step]
011	Custom Paper 011	ENG	[-5 to 5 / **0** / 1/step]
012	Custom Paper 012	ENG	[-5 to 5 / **0** / 1/step]
013	Custom Paper 013	ENG	[-5 to 5 / **0** / 1/step]
014	Custom Paper 014	ENG	[-5 to 5 / **0** / 1/step]
015	Custom Paper 015	ENG	[-5 to 5 / **0** / 1/step]
016	Custom Paper 016	ENG	[-5 to 5 / **0** / 1/step]
017	Custom Paper 017	ENG	[-5 to 5 / **0** / 1/step]
018	Custom Paper 018	ENG	[-5 to 5 / **0** / 1/step]
019	Custom Paper 019	ENG	[-5 to 5 / **0** / 1/step]
020	Custom Paper 020	ENG	[-5 to 5 / **0** / 1/step]
021	Custom Paper 021	ENG	[-5 to 5 / **0** / 1/step]
022	Custom Paper 022	ENG	[-5 to 5 / **0** / 1/step]
023	Custom Paper 023	ENG	[-5 to 5 / **0** / 1/step]
024	Custom Paper 024	ENG	[-5 to 5 / **0** / 1/step]
025	Custom Paper 025	ENG	[-5 to 5 / **0** / 1/step]
026	Custom Paper 026	ENG	[-5 to 5 / **0** / 1/step]
027	Custom Paper 027	ENG	[-5 to 5 / **0** / 1/step]
028	Custom Paper 028	ENG	[-5 to 5 / **0** / 1/step]
029	Custom Paper 029	ENG	[-5 to 5 / **0** / 1/step]
030	Custom Paper 030	ENG	[-5 to 5 / **0** / 1/step]
031	Custom Paper 031	ENG	[-5 to 5 / **0** / 1/step]
032	Custom Paper 032	ENG	[-5 to 5 / **0** / 1/step]
033	Custom Paper 033	ENG	[-5 to 5 / **0** / 1/step]
034	Custom Paper 034	ENG	[-5 to 5 / **0** / 1/step]
035	Custom Paper 035	ENG	[-5 to 5 / **0** / 1/step]

036	Custom Paper 036	ENG	[-5 to 5 / **0** / 1/step]
037	Custom Paper 037	ENG	[-5 to 5 / **0** / 1/step]
038	Custom Paper 038	ENG	[-5 to 5 / **0** / 1/step]
039	Custom Paper 039	ENG	[-5 to 5 / **0** / 1/step]
040	Custom Paper 040	ENG	[-5 to 5 / **0** / 1/step]
041	Custom Paper 041	ENG	[-5 to 5 / **0** / 1/step]
042	Custom Paper 042	ENG	[-5 to 5 / **0** / 1/step]
043	Custom Paper 043	ENG	[-5 to 5 / **0** / 1/step]
044	Custom Paper 044	ENG	[-5 to 5 / **0** / 1/step]
045	Custom Paper 045	ENG	[-5 to 5 / **0** / 1/step]
046	Custom Paper 046	ENG	[-5 to 5 / **0** / 1/step]
047	Custom Paper 047	ENG	[-5 to 5 / **0** / 1/step]
048	Custom Paper 048	ENG	[-5 to 5 / **0** / 1/step]
049	Custom Paper 049	ENG	[-5 to 5 / **0** / 1/step]
050	Custom Paper 050	ENG	[-5 to 5 / **0** / 1/step]
051	Custom Paper 051	ENG	[-5 to 5 / **0** / 1/step]
052	Custom Paper 052	ENG	[-5 to 5 / **0** / 1/step]
053	Custom Paper 053	ENG	[-5 to 5 / **0** / 1/step]
054	Custom Paper 054	ENG	[-5 to 5 / **0** / 1/step]
055	Custom Paper 055	ENG	[-5 to 5 / **0** / 1/step]
056	Custom Paper 056	ENG	[-5 to 5 / **0** / 1/step]
057	Custom Paper 057	ENG	[-5 to 5 / **0** / 1/step]
058	Custom Paper 058	ENG	[-5 to 5 / **0** / 1/step]
059	Custom Paper 059	ENG	[-5 to 5 / **0** / 1/step]
060	Custom Paper 060	ENG	[-5 to 5 / **0** / 1/step]
061	Custom Paper 061	ENG	[-5 to 5 / **0** / 1/step]

062	Custom Paper 062	ENG	[-5 to 5 / **0** / 1/step]
063	Custom Paper 063	ENG	[-5 to 5 / **0** / 1/step]
064	Custom Paper 064	ENG	[-5 to 5 / **0** / 1/step]
065	Custom Paper 065	ENG	[-5 to 5 / **0** / 1/step]
066	Custom Paper 066	ENG	[-5 to 5 / **0** / 1/step]
067	Custom Paper 067	ENG	[-5 to 5 / **0** / 1/step]
068	Custom Paper 068	ENG	[-5 to 5 / **0** / 1/step]
069	Custom Paper 069	ENG	[-5 to 5 / **0** / 1/step]
070	Custom Paper 070	ENG	[-5 to 5 / **0** / 1/step]
071	Custom Paper 071	ENG	[-5 to 5 / **0** / 1/step]
072	Custom Paper 072	ENG	[-5 to 5 / **0** / 1/step]
073	Custom Paper 073	ENG	[-5 to 5 / **0** / 1/step]
074	Custom Paper 074	ENG	[-5 to 5 / **0** / 1/step]
075	Custom Paper 075	ENG	[-5 to 5 / **0** / 1/step]
076	Custom Paper 076	ENG	[-5 to 5 / **0** / 1/step]
077	Custom Paper 077	ENG	[-5 to 5 / **0** / 1/step]
078	Custom Paper 078	ENG	[-5 to 5 / **0** / 1/step]
079	Custom Paper 079	ENG	[-5 to 5 / **0** / 1/step]
080	Custom Paper 080	ENG	[-5 to 5 / **0** / 1/step]
081	Custom Paper 081	ENG	[-5 to 5 / **0** / 1/step]
082	Custom Paper 082	ENG	[-5 to 5 / **0** / 1/step]
083	Custom Paper 083	ENG	[-5 to 5 / **0** / 1/step]
084	Custom Paper 084	ENG	[-5 to 5 / **0** / 1/step]
085	Custom Paper 085	ENG	[-5 to 5 / **0** / 1/step]
086	Custom Paper 086	ENG	[-5 to 5 / **0** / 1/step]
087	Custom Paper 087	ENG	[-5 to 5 / **0** / 1/step]

088	Custom Paper 088	ENG	[-5 to 5 / **0** / 1/step]
089	Custom Paper 089	ENG	[-5 to 5 / **0** / 1/step]
090	Custom Paper 090	ENG	[-5 to 5 / **0** / 1/step]
091	Custom Paper 091	ENG	[-5 to 5 / **0** / 1/step]
092	Custom Paper 092	ENG	[-5 to 5 / **0** / 1/step]
093	Custom Paper 093	ENG	[-5 to 5 / **0** / 1/step]
094	Custom Paper 094	ENG	[-5 to 5 / **0** / 1/step]
095	Custom Paper 095	ENG	[-5 to 5 / **0** / 1/step]
096	Custom Paper 096	ENG	[-5 to 5 / **0** / 1/step]
097	Custom Paper 097	ENG	[-5 to 5 / **0** / 1/step]
098	Custom Paper 098	ENG	[-5 to 5 / **0** / 1/step]
099	Custom Paper 099	ENG	[-5 to 5 / **0** / 1/step]
100	Custom Paper 100	ENG	[-5 to 5 / **0** / 1/step]

3922	**[ProCon Target M/A] *D137/D138 only**		
	Sets Maximum M/A Adj. (C) [Operator Adjustment Item].		
001	Custom Paper 001	ENG	[-5 to 5 / **0** / 1/step]
002	Custom Paper 002	ENG	[-5 to 5 / **0** / 1/step]
003	Custom Paper 003	ENG	[-5 to 5 / **0** / 1/step]
004	Custom Paper 004	ENG	[-5 to 5 / **0** / 1/step]
005	Custom Paper 005	ENG	[-5 to 5 / **0** / 1/step]
006	Custom Paper 006	ENG	[-5 to 5 / **0** / 1/step]
007	Custom Paper 007	ENG	[-5 to 5 / **0** / 1/step]
008	Custom Paper 008	ENG	[-5 to 5 / **0** / 1/step]
009	Custom Paper 009	ENG	[-5 to 5 / **0** / 1/step]
010	Custom Paper 010	ENG	[-5 to 5 / **0** / 1/step]

011	Custom Paper 011	ENG	[-5 to 5 / **0** / 1/step]
012	Custom Paper 012	ENG	[-5 to 5 / **0** / 1/step]
013	Custom Paper 013	ENG	[-5 to 5 / **0** / 1/step]
014	Custom Paper 014	ENG	[-5 to 5 / **0** / 1/step]
015	Custom Paper 015	ENG	[-5 to 5 / **0** / 1/step]
016	Custom Paper 016	ENG	[-5 to 5 / **0** / 1/step]
017	Custom Paper 017	ENG	[-5 to 5 / **0** / 1/step]
018	Custom Paper 018	ENG	[-5 to 5 / **0** / 1/step]
019	Custom Paper 019	ENG	[-5 to 5 / **0** / 1/step]
020	Custom Paper 020	ENG	[-5 to 5 / **0** / 1/step]
021	Custom Paper 021	ENG	[-5 to 5 / **0** / 1/step]
022	Custom Paper 022	ENG	[-5 to 5 / **0** / 1/step]
023	Custom Paper 023	ENG	[-5 to 5 / **0** / 1/step]
024	Custom Paper 024	ENG	[-5 to 5 / **0** / 1/step]
025	Custom Paper 025	ENG	[-5 to 5 / **0** / 1/step]
026	Custom Paper 026	ENG	[-5 to 5 / **0** / 1/step]
027	Custom Paper 027	ENG	[-5 to 5 / **0** / 1/step]
028	Custom Paper 028	ENG	[-5 to 5 / **0** / 1/step]
029	Custom Paper 029	ENG	[-5 to 5 / **0** / 1/step]
030	Custom Paper 030	ENG	[-5 to 5 / **0** / 1/step]
031	Custom Paper 031	ENG	[-5 to 5 / **0** / 1/step]
032	Custom Paper 032	ENG	[-5 to 5 / **0** / 1/step]
033	Custom Paper 033	ENG	[-5 to 5 / **0** / 1/step]
034	Custom Paper 034	ENG	[-5 to 5 / **0** / 1/step]
035	Custom Paper 035	ENG	[-5 to 5 / **0** / 1/step]
036	Custom Paper 036	ENG	[-5 to 5 / **0** / 1/step]

037	Custom Paper 037	ENG	[-5 to 5 / **0** / 1/step]
038	Custom Paper 038	ENG	[-5 to 5 / **0** / 1/step]
039	Custom Paper 039	ENG	[-5 to 5 / **0** / 1/step]
040	Custom Paper 040	ENG	[-5 to 5 / **0** / 1/step]
041	Custom Paper 041	ENG	[-5 to 5 / **0** / 1/step]
042	Custom Paper 042	ENG	[-5 to 5 / **0** / 1/step]
043	Custom Paper 043	ENG	[-5 to 5 / **0** / 1/step]
044	Custom Paper 044	ENG	[-5 to 5 / **0** / 1/step]
045	Custom Paper 045	ENG	[-5 to 5 / **0** / 1/step]
046	Custom Paper 046	ENG	[-5 to 5 / **0** / 1/step]
047	Custom Paper 047	ENG	[-5 to 5 / **0** / 1/step]
048	Custom Paper 048	ENG	[-5 to 5 / **0** / 1/step]
049	Custom Paper 049	ENG	[-5 to 5 / **0** / 1/step]
050	Custom Paper 050	ENG	[-5 to 5 / **0** / 1/step]
051	Custom Paper 051	ENG	[-5 to 5 / **0** / 1/step]
052	Custom Paper 052	ENG	[-5 to 5 / **0** / 1/step]
053	Custom Paper 053	ENG	[-5 to 5 / **0** / 1/step]
054	Custom Paper 054	ENG	[-5 to 5 / **0** / 1/step]
055	Custom Paper 055	ENG	[-5 to 5 / **0** / 1/step]
056	Custom Paper 056	ENG	[-5 to 5 / **0** / 1/step]
057	Custom Paper 057	ENG	[-5 to 5 / **0** / 1/step]
058	Custom Paper 058	ENG	[-5 to 5 / **0** / 1/step]
059	Custom Paper 059	ENG	[-5 to 5 / **0** / 1/step]
060	Custom Paper 060	ENG	[-5 to 5 / **0** / 1/step]
061	Custom Paper 061	ENG	[-5 to 5 / **0** / 1/step]
062	Custom Paper 062	ENG	[-5 to 5 / **0** / 1/step]

063	Custom Paper 063	ENG	[-5 to 5 / **0** / 1/step]
064	Custom Paper 064	ENG	[-5 to 5 / **0** / 1/step]
065	Custom Paper 065	ENG	[-5 to 5 / **0** / 1/step]
066	Custom Paper 066	ENG	[-5 to 5 / **0** / 1/step]
067	Custom Paper 067	ENG	[-5 to 5 / **0** / 1/step]
068	Custom Paper 068	ENG	[-5 to 5 / **0** / 1/step]
069	Custom Paper 069	ENG	[-5 to 5 / **0** / 1/step]
070	Custom Paper 070	ENG	[-5 to 5 / **0** / 1/step]
071	Custom Paper 071	ENG	[-5 to 5 / **0** / 1/step]
072	Custom Paper 072	ENG	[-5 to 5 / **0** / 1/step]
073	Custom Paper 073	ENG	[-5 to 5 / **0** / 1/step]
074	Custom Paper 074	ENG	[-5 to 5 / **0** / 1/step]
075	Custom Paper 075	ENG	[-5 to 5 / **0** / 1/step]
076	Custom Paper 076	ENG	[-5 to 5 / **0** / 1/step]
077	Custom Paper 077	ENG	[-5 to 5 / **0** / 1/step]
078	Custom Paper 078	ENG	[-5 to 5 / **0** / 1/step]
079	Custom Paper 079	ENG	[-5 to 5 / **0** / 1/step]
080	Custom Paper 080	ENG	[-5 to 5 / **0** / 1/step]
081	Custom Paper 081	ENG	[-5 to 5 / **0** / 1/step]
082	Custom Paper 082	ENG	[-5 to 5 / **0** / 1/step]
083	Custom Paper 083	ENG	[-5 to 5 / **0** / 1/step]
084	Custom Paper 084	ENG	[-5 to 5 / **0** / 1/step]
085	Custom Paper 085	ENG	[-5 to 5 / **0** / 1/step]
086	Custom Paper 086	ENG	[-5 to 5 / **0** / 1/step]
087	Custom Paper 087	ENG	[-5 to 5 / **0** / 1/step]
088	Custom Paper 088	ENG	[-5 to 5 / **0** / 1/step]

089	Custom Paper 089	ENG	[-5 to 5 / **0** / 1/step]
090	Custom Paper 090	ENG	[-5 to 5 / **0** / 1/step]
091	Custom Paper 091	ENG	[-5 to 5 / **0** / 1/step]
092	Custom Paper 092	ENG	[-5 to 5 / **0** / 1/step]
093	Custom Paper 093	ENG	[-5 to 5 / **0** / 1/step]
094	Custom Paper 094	ENG	[-5 to 5 / **0** / 1/step]
095	Custom Paper 095	ENG	[-5 to 5 / **0** / 1/step]
096	Custom Paper 096	ENG	[-5 to 5 / **0** / 1/step]
097	Custom Paper 097	ENG	[-5 to 5 / **0** / 1/step]
098	Custom Paper 098	ENG	[-5 to 5 / **0** / 1/step]
099	Custom Paper 099	ENG	[-5 to 5 / **0** / 1/step]
100	Custom Paper 100	ENG	[-5 to 5 / **0** / 1/step]

3923	**[ProCon Target M/A] *D137/D138 only**		
	Sets Maximum M/A Adj. (M) [Operator Adjustment Item].		
001	Custom Paper 001	ENG	[-5 to 5 / **0** / 1/step]
002	Custom Paper 002	ENG	[-5 to 5 / **0** / 1/step]
003	Custom Paper 003	ENG	[-5 to 5 / **0** / 1/step]
004	Custom Paper 004	ENG	[-5 to 5 / **0** / 1/step]
005	Custom Paper 005	ENG	[-5 to 5 / **0** / 1/step]
006	Custom Paper 006	ENG	[-5 to 5 / **0** / 1/step]
007	Custom Paper 007	ENG	[-5 to 5 / **0** / 1/step]
008	Custom Paper 008	ENG	[-5 to 5 / **0** / 1/step]
009	Custom Paper 009	ENG	[-5 to 5 / **0** / 1/step]
010	Custom Paper 010	ENG	[-5 to 5 / **0** / 1/step]
011	Custom Paper 011	ENG	[-5 to 5 / **0** / 1/step]

012	Custom Paper 012	ENG	[-5 to 5 / **0** / 1/step]
013	Custom Paper 013	ENG	[-5 to 5 / **0** / 1/step]
014	Custom Paper 014	ENG	[-5 to 5 / **0** / 1/step]
015	Custom Paper 015	ENG	[-5 to 5 / **0** / 1/step]
016	Custom Paper 016	ENG	[-5 to 5 / **0** / 1/step]
017	Custom Paper 017	ENG	[-5 to 5 / **0** / 1/step]
018	Custom Paper 018	ENG	[-5 to 5 / **0** / 1/step]
019	Custom Paper 019	ENG	[-5 to 5 / **0** / 1/step]
020	Custom Paper 020	ENG	[-5 to 5 / **0** / 1/step]
021	Custom Paper 021	ENG	[-5 to 5 / **0** / 1/step]
022	Custom Paper 022	ENG	[-5 to 5 / **0** / 1/step]
023	Custom Paper 023	ENG	[-5 to 5 / **0** / 1/step]
024	Custom Paper 024	ENG	[-5 to 5 / **0** / 1/step]
025	Custom Paper 025	ENG	[-5 to 5 / **0** / 1/step]
026	Custom Paper 026	ENG	[-5 to 5 / **0** / 1/step]
027	Custom Paper 027	ENG	[-5 to 5 / **0** / 1/step]
028	Custom Paper 028	ENG	[-5 to 5 / **0** / 1/step]
029	Custom Paper 029	ENG	[-5 to 5 / **0** / 1/step]
030	Custom Paper 030	ENG	[-5 to 5 / **0** / 1/step]
031	Custom Paper 031	ENG	[-5 to 5 / **0** / 1/step]
032	Custom Paper 032	ENG	[-5 to 5 / **0** / 1/step]
033	Custom Paper 033	ENG	[-5 to 5 / **0** / 1/step]
034	Custom Paper 034	ENG	[-5 to 5 / **0** / 1/step]
035	Custom Paper 035	ENG	[-5 to 5 / **0** / 1/step]
036	Custom Paper 036	ENG	[-5 to 5 / **0** / 1/step]
037	Custom Paper 037	ENG	[-5 to 5 / **0** / 1/step]

038	Custom Paper 038	ENG	[-5 to 5 / **0** / 1/step]
039	Custom Paper 039	ENG	[-5 to 5 / **0** / 1/step]
040	Custom Paper 040	ENG	[-5 to 5 / **0** / 1/step]
041	Custom Paper 041	ENG	[-5 to 5 / **0** / 1/step]
042	Custom Paper 042	ENG	[-5 to 5 / **0** / 1/step]
043	Custom Paper 043	ENG	[-5 to 5 / **0** / 1/step]
044	Custom Paper 044	ENG	[-5 to 5 / **0** / 1/step]
045	Custom Paper 045	ENG	[-5 to 5 / **0** / 1/step]
046	Custom Paper 046	ENG	[-5 to 5 / **0** / 1/step]
047	Custom Paper 047	ENG	[-5 to 5 / **0** / 1/step]
048	Custom Paper 048	ENG	[-5 to 5 / **0** / 1/step]
049	Custom Paper 049	ENG	[-5 to 5 / **0** / 1/step]
050	Custom Paper 050	ENG	[-5 to 5 / **0** / 1/step]
051	Custom Paper 051	ENG	[-5 to 5 / **0** / 1/step]
052	Custom Paper 052	ENG	[-5 to 5 / **0** / 1/step]
053	Custom Paper 053	ENG	[-5 to 5 / **0** / 1/step]
054	Custom Paper 054	ENG	[-5 to 5 / **0** / 1/step]
055	Custom Paper 055	ENG	[-5 to 5 / **0** / 1/step]
056	Custom Paper 056	ENG	[-5 to 5 / **0** / 1/step]
057	Custom Paper 057	ENG	[-5 to 5 / **0** / 1/step]
058	Custom Paper 058	ENG	[-5 to 5 / **0** / 1/step]
059	Custom Paper 059	ENG	[-5 to 5 / **0** / 1/step]
060	Custom Paper 060	ENG	[-5 to 5 / **0** / 1/step]
061	Custom Paper 061	ENG	[-5 to 5 / **0** / 1/step]
062	Custom Paper 062	ENG	[-5 to 5 / **0** / 1/step]
063	Custom Paper 063	ENG	[-5 to 5 / **0** / 1/step]

064	Custom Paper 064	ENG	[-5 to 5 / **0** / 1/step]
065	Custom Paper 065	ENG	[-5 to 5 / **0** / 1/step]
066	Custom Paper 066	ENG	[-5 to 5 / **0** / 1/step]
067	Custom Paper 067	ENG	[-5 to 5 / **0** / 1/step]
068	Custom Paper 068	ENG	[-5 to 5 / **0** / 1/step]
069	Custom Paper 069	ENG	[-5 to 5 / **0** / 1/step]
070	Custom Paper 070	ENG	[-5 to 5 / **0** / 1/step]
071	Custom Paper 071	ENG	[-5 to 5 / **0** / 1/step]
072	Custom Paper 072	ENG	[-5 to 5 / **0** / 1/step]
073	Custom Paper 073	ENG	[-5 to 5 / **0** / 1/step]
074	Custom Paper 074	ENG	[-5 to 5 / **0** / 1/step]
075	Custom Paper 075	ENG	[-5 to 5 / **0** / 1/step]
076	Custom Paper 076	ENG	[-5 to 5 / **0** / 1/step]
077	Custom Paper 077	ENG	[-5 to 5 / **0** / 1/step]
078	Custom Paper 078	ENG	[-5 to 5 / **0** / 1/step]
079	Custom Paper 079	ENG	[-5 to 5 / **0** / 1/step]
080	Custom Paper 080	ENG	[-5 to 5 / **0** / 1/step]
081	Custom Paper 081	ENG	[-5 to 5 / **0** / 1/step]
082	Custom Paper 082	ENG	[-5 to 5 / **0** / 1/step]
083	Custom Paper 083	ENG	[-5 to 5 / **0** / 1/step]
084	Custom Paper 084	ENG	[-5 to 5 / **0** / 1/step]
085	Custom Paper 085	ENG	[-5 to 5 / **0** / 1/step]
086	Custom Paper 086	ENG	[-5 to 5 / **0** / 1/step]
087	Custom Paper 087	ENG	[-5 to 5 / **0** / 1/step]
088	Custom Paper 088	ENG	[-5 to 5 / **0** / 1/step]
089	Custom Paper 089	ENG	[-5 to 5 / **0** / 1/step]

090	Custom Paper 090	ENG	[-5 to 5 / **0** / 1/step]
091	Custom Paper 091	ENG	[-5 to 5 / **0** / 1/step]
092	Custom Paper 092	ENG	[-5 to 5 / **0** / 1/step]
093	Custom Paper 093	ENG	[-5 to 5 / **0** / 1/step]
094	Custom Paper 094	ENG	[-5 to 5 / **0** / 1/step]
095	Custom Paper 095	ENG	[-5 to 5 / **0** / 1/step]
096	Custom Paper 096	ENG	[-5 to 5 / **0** / 1/step]
097	Custom Paper 097	ENG	[-5 to 5 / **0** / 1/step]
098	Custom Paper 098	ENG	[-5 to 5 / **0** / 1/step]
099	Custom Paper 099	ENG	[-5 to 5 / **0** / 1/step]
100	Custom Paper 100	ENG	[-5 to 5 / **0** / 1/step]

3924	**[ProCon Target M/A] *D137/D138 only**		
	Sets Maximum M/A Adj. (Y) [Operator Adjustment Item].		
001	Custom Paper 001	ENG	[-5 to 5 / **0** / 1/step]
002	Custom Paper 002	ENG	[-5 to 5 / **0** / 1/step]
003	Custom Paper 003	ENG	[-5 to 5 / **0** / 1/step]
004	Custom Paper 004	ENG	[-5 to 5 / **0** / 1/step]
005	Custom Paper 005	ENG	[-5 to 5 / **0** / 1/step]
006	Custom Paper 006	ENG	[-5 to 5 / **0** / 1/step]
007	Custom Paper 007	ENG	[-5 to 5 / **0** / 1/step]
008	Custom Paper 008	ENG	[-5 to 5 / **0** / 1/step]
009	Custom Paper 009	ENG	[-5 to 5 / **0** / 1/step]
010	Custom Paper 010	ENG	[-5 to 5 / **0** / 1/step]
011	Custom Paper 011	ENG	[-5 to 5 / **0** / 1/step]
012	Custom Paper 012	ENG	[-5 to 5 / **0** / 1/step]

013	Custom Paper 013	ENG	[-5 to 5 / **0** / 1/step]
014	Custom Paper 014	ENG	[-5 to 5 / **0** / 1/step]
015	Custom Paper 015	ENG	[-5 to 5 / **0** / 1/step]
016	Custom Paper 016	ENG	[-5 to 5 / **0** / 1/step]
017	Custom Paper 017	ENG	[-5 to 5 / **0** / 1/step]
018	Custom Paper 018	ENG	[-5 to 5 / **0** / 1/step]
019	Custom Paper 019	ENG	[-5 to 5 / **0** / 1/step]
020	Custom Paper 020	ENG	[-5 to 5 / **0** / 1/step]
021	Custom Paper 021	ENG	[-5 to 5 / **0** / 1/step]
022	Custom Paper 022	ENG	[-5 to 5 / **0** / 1/step]
023	Custom Paper 023	ENG	[-5 to 5 / **0** / 1/step]
024	Custom Paper 024	ENG	[-5 to 5 / **0** / 1/step]
025	Custom Paper 025	ENG	[-5 to 5 / **0** / 1/step]
026	Custom Paper 026	ENG	[-5 to 5 / **0** / 1/step]
027	Custom Paper 027	ENG	[-5 to 5 / **0** / 1/step]
028	Custom Paper 028	ENG	[-5 to 5 / **0** / 1/step]
029	Custom Paper 029	ENG	[-5 to 5 / **0** / 1/step]
030	Custom Paper 030	ENG	[-5 to 5 / **0** / 1/step]
031	Custom Paper 031	ENG	[-5 to 5 / **0** / 1/step]
032	Custom Paper 032	ENG	[-5 to 5 / **0** / 1/step]
033	Custom Paper 033	ENG	[-5 to 5 / **0** / 1/step]
034	Custom Paper 034	ENG	[-5 to 5 / **0** / 1/step]
035	Custom Paper 035	ENG	[-5 to 5 / **0** / 1/step]
036	Custom Paper 036	ENG	[-5 to 5 / **0** / 1/step]
037	Custom Paper 037	ENG	[-5 to 5 / **0** / 1/step]
038	Custom Paper 038	ENG	[-5 to 5 / **0** / 1/step]

039	Custom Paper 039	ENG	[-5 to 5 / **0** / 1/step]
040	Custom Paper 040	ENG	[-5 to 5 / **0** / 1/step]
041	Custom Paper 041	ENG	[-5 to 5 / **0** / 1/step]
042	Custom Paper 042	ENG	[-5 to 5 / **0** / 1/step]
043	Custom Paper 043	ENG	[-5 to 5 / **0** / 1/step]
044	Custom Paper 044	ENG	[-5 to 5 / **0** / 1/step]
045	Custom Paper 045	ENG	[-5 to 5 / **0** / 1/step]
046	Custom Paper 046	ENG	[-5 to 5 / **0** / 1/step]
047	Custom Paper 047	ENG	[-5 to 5 / **0** / 1/step]
048	Custom Paper 048	ENG	[-5 to 5 / **0** / 1/step]
049	Custom Paper 049	ENG	[-5 to 5 / **0** / 1/step]
050	Custom Paper 050	ENG	[-5 to 5 / **0** / 1/step]
051	Custom Paper 051	ENG	[-5 to 5 / **0** / 1/step]
052	Custom Paper 052	ENG	[-5 to 5 / **0** / 1/step]
053	Custom Paper 053	ENG	[-5 to 5 / **0** / 1/step]
054	Custom Paper 054	ENG	[-5 to 5 / **0** / 1/step]
055	Custom Paper 055	ENG	[-5 to 5 / **0** / 1/step]
056	Custom Paper 056	ENG	[-5 to 5 / **0** / 1/step]
057	Custom Paper 057	ENG	[-5 to 5 / **0** / 1/step]
058	Custom Paper 058	ENG	[-5 to 5 / **0** / 1/step]
059	Custom Paper 059	ENG	[-5 to 5 / **0** / 1/step]
060	Custom Paper 060	ENG	[-5 to 5 / **0** / 1/step]
061	Custom Paper 061	ENG	[-5 to 5 / **0** / 1/step]
062	Custom Paper 062	ENG	[-5 to 5 / **0** / 1/step]
063	Custom Paper 063	ENG	[-5 to 5 / **0** / 1/step]
064	Custom Paper 064	ENG	[-5 to 5 / **0** / 1/step]

065	Custom Paper 065	ENG	[-5 to 5 / **0** / 1/step]
066	Custom Paper 066	ENG	[-5 to 5 / **0** / 1/step]
067	Custom Paper 067	ENG	[-5 to 5 / **0** / 1/step]
068	Custom Paper 068	ENG	[-5 to 5 / **0** / 1/step]
069	Custom Paper 069	ENG	[-5 to 5 / **0** / 1/step]
070	Custom Paper 070	ENG	[-5 to 5 / **0** / 1/step]
071	Custom Paper 071	ENG	[-5 to 5 / **0** / 1/step]
072	Custom Paper 072	ENG	[-5 to 5 / **0** / 1/step]
073	Custom Paper 073	ENG	[-5 to 5 / **0** / 1/step]
074	Custom Paper 074	ENG	[-5 to 5 / **0** / 1/step]
075	Custom Paper 075	ENG	[-5 to 5 / **0** / 1/step]
076	Custom Paper 076	ENG	[-5 to 5 / **0** / 1/step]
077	Custom Paper 077	ENG	[-5 to 5 / **0** / 1/step]
078	Custom Paper 078	ENG	[-5 to 5 / **0** / 1/step]
079	Custom Paper 079	ENG	[-5 to 5 / **0** / 1/step]
080	Custom Paper 080	ENG	[-5 to 5 / **0** / 1/step]
081	Custom Paper 081	ENG	[-5 to 5 / **0** / 1/step]
082	Custom Paper 082	ENG	[-5 to 5 / **0** / 1/step]
083	Custom Paper 083	ENG	[-5 to 5 / **0** / 1/step]
084	Custom Paper 084	ENG	[-5 to 5 / **0** / 1/step]
085	Custom Paper 085	ENG	[-5 to 5 / **0** / 1/step]
086	Custom Paper 086	ENG	[-5 to 5 / **0** / 1/step]
087	Custom Paper 087	ENG	[-5 to 5 / **0** / 1/step]
088	Custom Paper 088	ENG	[-5 to 5 / **0** / 1/step]
089	Custom Paper 089	ENG	[-5 to 5 / **0** / 1/step]
090	Custom Paper 090	ENG	[-5 to 5 / **0** / 1/step]

091	Custom Paper 091	ENG	[-5 to 5 / **0** / 1/step]
092	Custom Paper 092	ENG	[-5 to 5 / **0** / 1/step]
093	Custom Paper 093	ENG	[-5 to 5 / **0** / 1/step]
094	Custom Paper 094	ENG	[-5 to 5 / **0** / 1/step]
095	Custom Paper 095	ENG	[-5 to 5 / **0** / 1/step]
096	Custom Paper 096	ENG	[-5 to 5 / **0** / 1/step]
097	Custom Paper 097	ENG	[-5 to 5 / **0** / 1/step]
098	Custom Paper 098	ENG	[-5 to 5 / **0** / 1/step]
099	Custom Paper 099	ENG	[-5 to 5 / **0** / 1/step]
100	Custom Paper 100	ENG	[-5 to 5 / **0** / 1/step]

MAIN SP TABLES-4

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

2. MAIN SP TABLES-4

2.1 SP4-XXX (SCANNER)

4008	**[Sub Scan Magnification Adj]**		
	Adjusts Sub Scan Magnification by 0.1% each step.		
001	-	ENG	[-1.0 to 1.0 / **0.0** / 0.1 %/step] Picture will stretch as value increases. Picture will shrink as value decreases.

4010	**[Sub Scan Registration Adj]**		
	Adjusts Sub Scan Registration position of book scanner by 0.1mm each step.		
001	-	ENG	[-2.0 to 2.0 / **0.0** / 0.1 mm/step] Picture will move to back edge of sub scan as value increases. Picture will move to front edge of sub scan as value decreases.

4011	**[Main Scan Reg]**		
	Adjust Main Scan Registration position by 0.1mm each step.		
001	-	ENG	[-2.5 to 2.5 / **0.0** / 0.1 mm/step] Picture moves to right as value increases. Picture moves to left as value decreases.

4012	**[Set Scale Mask]**		
	Adjusts scanning margins for the leading and trailing edges (sub scan) and right and left edge (main scan). Note ▪ Do not adjust unless the customer desires a scanner margin greater than the printer margin. These settings are adjusted to erase shadows caused by the gap between the original and the scale of the scanner unit.		
001	Book:Sub LEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
002	Book:Sub TEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
003	Book:Main:LEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
004	Book:Main:TEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
005	ADF: Leading Edge	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
007	ADF: Right	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
008	ADF: left	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]

4013	**[Scanner Free Run]**		
001	Lamp Off	ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Repeats carriage reciprocating motion with lamp off.		
002	Lamp On	ENG	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Repeats carriage reciprocating motion with lamp on.		

4020	[Dust Check]		
001	Dust Detect:On/Off	*ENG	[0 or 1 / **0** / 1/step] 0: OFF 1: ON
	Sets DF Dust Detection ON/OFF.		
002	Dust Detect: Lvl	*ENG	[0 to 8 / **4** / 1/step] 0: lowest detection level 8: highest detection level
	Sets DF Dust Detect Level. Easier to Detect as Value increases.		
003	Dust Reject: Lvl	*ENG	[0 to 4 / **0** / 1/step]
	Sets ON/OFF and switches level of Vertical stripes correction. 0=OFF, sets level to 1 from 4. Stronger correction as value increases.		
011	Dust Detect Level:Rear	*ENG	[0 or 1 / **0** / 1/step] 0: OFF 1: ON
	DF: Over side. Sets Dust Detection ON/OFF.		
012	Correction Level:Rear	*ENG	[0 to 8 / **4** / 1/step] 0:Lowest level 8:Highest level
	DF Over side. Sets Dust Detection level. Easier to detect as value increases.		

4201	**[LoCPP edge level:K]**		
	Parameter for smaller edge max. threshold.		
001	600dpi 2bit edge1	*ENG	[0 to 15 / **11** / 1/step] Value increase: Tonner adhesion amount will increase for Bk picture edge. Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
	Parameter for smaller edge max. threshold: 600dpi 2bit Adjust towards lowering toner adhesion amount for Bk picture edge. 15 is “no adjust”.		
002	600dpi 2bit edge23	*ENG	[0 to 15 / **11** / 1/step] Value increase: Tonner adhesion amount will increase for Bk picture edge. Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
	Parameter for larger edge max. threshold: 600dpi 2bit Adjust towards lowering toner adhesion amount for Bk picture edge. 15 is “no adjust”.		
003	600dpi 4bit edge1	*ENG	[0 to 15 / **11** / 1/step] Value increase: Tonner adhesion amount will increase for Bk picture edge. Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
	Parameter for smaller edge max. threshold: 600dpi 4bit Adjust towards lowering toner adhesion amount for Bk picture edge. 15 is “no adjust”.		

004	600dpi 4bit edge23	*ENG	[0 to 15 / **11** / 1/step] Value increase: Tonner adhesion amount will increase for Bk picture edge. Toner decrease: Toner adhesion amount will decrease for Bk picture edge.
	Parameter for larger edge max. threshold: 600dpi 4bit Adjust towards lowering toner adhesion amount for Bk picture edge. 15 is “no adjust”.		
4201	**[LoCPP edge off/on:K]**		
	Off/on for Smaller/larger edge: 1200dpi 1bit		
011	1200dpi 1bit edge12	*ENG	[0 or 1 / **0** / 1/step]
	ON/OFF for smaller edge: 1200dpi 1bit Select ON/OFF for low CPP edge correction with 1200dpi 1bit.		
012	1200dpi 1bit edge345	*ENG	[0 or 1 / **0** / 1/step]
	ON/OFF for larger edge: 1200dpi 1bit Select ON/OFF for low CPP edge correction with 1200dpi 1bit.		

4301	**Operation Check APS Sensor]**		
001	Operation Check APS Sensor	ENG	[0 to 255 / **0** / 1/step] 0: Not detected 1: Detected
	SP for testing APS Sensor function.		

4303	[Min Size for APS]		
001	Min Size for APS	*ENG	[0 or 1 / **0** / 1/step] 0: No Original 1: A5 SEF
	Sets display when non-standard (small size) size original is detected. Note ▪ Sets display when non-standard (small size) size original is detected. ▪ When “2:EU” is selected at SP5-131-001 and “3:8K 16K” with SP4-305-001, Decision of SP4-303-001 will be “1:16K Vertical”		

4305	[Original Size Detect Setting]		
001	-	*ENG	[0 to 3 / **0** / 1/step] 0: Normal setting(Default) 1: When A4/LT is detected; When placed landscape: A4, Vertical: LT. 2: When A4/LT is detected; When placed landscape: LT, Vertical: A4. 3: Change settings to 8K 16K series. A3, B4 -> 8K Vertical A4, B4, A5Vertical -> 16K Vertical A4, B4, A5Landscape -> 16KLandscape
	Sets assign of decision size when original size is detected. Note ▪ When “0: JA” or “1: NA” is set at SP5-131-001, “3: 8K 16K series” can not be selected with SP4-305-001.		

4308	[Scan Size Detection]		
001	Detection ON/OFF	*ENG	[0 to 2 / **1** / 1/step]
	Switch Original size detection ON/OFF.		

4309	[Scan Size Detect:Setting]		
001	Original Density Thresh	*ENG	[0 to 255 / **18** / 1digit/step]
	Sets scan image density Thresh for Scan size detection.		
002	Detection Time	*ENG	[20 to 100 / **60** / 20msec/step]
	Sets Detection time for scan size detection.		
003	Lamp ON:Delay Time	*ENG	[40 to 200 / **40** / 10msec/step]
	Adjusts lamp light timing for scan size detection.		
004	LED PWM Duty	*ENG	[0 to 100 / **60** / 1/step]
	Adjusts light value for scan size detection.		

4310	[Scan Size Detect Value]		
	Checks the density of scanning data for the scan size detection.		
001	S1:R	ENG	[0 to 255 / **0** / 1digit/step]
002	S1:G	ENG	[0 to 255 / **0** / 1digit/step]
003	S1:B	ENG	[0 to 255 / **0** / 1digit/step]
004	S2:R	ENG	[0 to 255 / **0** / 1digit/step]
005	S2:G	ENG	[0 to 255 / **0** / 1digit/step]
006	S2:B	ENG	[0 to 255 / **0** / 1digit/step]
007	S3:R	ENG	[0 to 255 / **0** / 1digit/step]
008	S3:G	ENG	[0 to 255 / **0** / 1digit/step]
009	S3:B	ENG	[0 to 255 / **0** / 1digit/step]

4350	[Intermittent Shading : BW]		
001	Switch On/Off	ENG	[0 or 1 / **1** / 1/step] 1: Intermittent Shading ON 0: Intermittent Shading OFF(Shad every time)
	Switches On/OFF for Intermittent Shading when scanning BW (Simplex/Duplex).		

4351	[Intermittent Shading : FC]		
001	Switch On/Off	ENG	[0 or 1 / **1** / 1/step] 1: Intermittent Shading ON 0: Intermittent Shading OFF(Shad every time)
	Switches On/OFF for Intermittent Shading when scanning FC (Simplex/Duplex).		

4400	[Org Edge Mask]		
001	Book:Sub LEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask for original shadow edge 0.1mm per step.		
002	Book:Sub TEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask for original shadow edge 0.1mm per step.		
003	Book:Main:LEdge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask for original shadow edge 0.1mm per step.		
004	Book:Main:Tedge	ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask for original shadow edge 0.1mm per step.		
005	ADF: Leading Edge	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask area for erasing original shadow at sub scan front edge when using ADF.		
007	ADF: Right	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]

	Sets mask area for erasing original shadow at main scan front edge when using ADF.		
008	ADF: left	*ENG	[0.0 to 3.0 / **0.0** / 0.1 mm/step]
	Sets mask area for erasing original shadow at main scan back edge when using ADF.		

4417	**[IPU Test Pattern]**		
001	Test Pattern	ENG	[0 to 8 / **0** / 1/step]
	Selects test pattern that is mount with IPU ASIC.		
0	Scanned image	5	Argyle pattern C
1	256-Gradation main scan A	6	Argyle pattern D
2	Patch 16C	7	Scanned+Slant Grid C
3	Grid pattern A	8	Scanned+Slant Grid D
4	Argyle pattern B	-	-

4429	**[Select Copy Data Security]**		
001	Copying	*ENG	[0 to 3 / **3** / 1/step]
	Sets illegal copy output pattern density for copy. Larger value; the darker.		
002	Scanning	*ENG	[0 to 3 / **3** / 1/step]
	Sets illegal copy output pattern density for scan. Larger value; the darker.		
003	Fax Operation	*ENG	[0 to 3 / **3** / 1/step]
	Sets illegal copy output pattern density for fax. Larger value; the darker.		

4460	[Digital AE]		
001	Low Limit Value	*ENG	[0 to 1023 / **364** / 1/step]
	Set min. threshold for detecting background when scanning. If input image data is brighter than this (larger value), decides area as back ground.		
002	Background Erase Level	*ENG	[512 to 1535 / **932** / 1/step]
	Sets background level for output value for background erase when scanning. Larger value; the brighter.		

4490	[FL Correction ON/OFF]		
001	RED	*ENG	[0 or 1 / **0** / 1/step] 0:FL Correction OFF 1:FL Correction ON
	Switch/Saves ON/OFF of SBU datas (RED) FL Correction. With switching ON this SP, when center border area of main scan in image has density left/right difference, reduces it Value adjusted during warranty process of scanner unit is set.		
002	GREEN	*ENG	[0 or 1 / **0** / 1/step] 0:FL Correction OFF 1:FL Correction ON
	Switch/Saves ON/OFF of SBU datas (GREEN) FL Correction. With switching ON this SP, when center border area of main scan in image has density left/right difference, reduces it Value adjusted during warranty process of scanner unit is set.		
003	BLUE	*ENG	[0 or 1 / **0** / 1/step]
	Switch/Saves ON/OFF of SBU datas (BLUE) FL Correction. With switching ON this SP, when center border area of main scan in image has density left/right difference, reduces it Value adjusted during warranty process of scanner unit is set.		

4501	[ACC Target Den]		
001	Copy:K:Text	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Text part (edge) Black plate.		
002	Copy:C:Text	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Text part (edge) Cyan plate.		
003	Copy:M:Text	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Text part (edge) Magenta plate.		
004	Copy:Y:Text	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Text part (edge) Yellow plate.		
005	Copy:K:Photo	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Photo part (non-edge) Black plate.		
006	Copy:C:Photo	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Photo part (non-edge) Cyan plate.		
007	Copy:M:Photo	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Photo part (non-edge) Magenta plate.		
008	Copy:Y:Photo	*ENG	[0 to 10 / **5** / 1/step]
	Sets target value for copy AAC of Photo part (non-edge) Yellow plate.		

4505	[ACC Cor:Bright]		
001	Master:K	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Black plate (Highlight part) depending on setting value (-128 to 127).		
002	Master:C	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Cyan plate (Highlight part) depending on setting value (-128 to 127).		
003	Master:M	*ENG	[-128 to 127 / **0** / 1/step]

	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Magenta plate (Highlight part) depending on setting value (-128 to 127).		
004	Master:Y	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Yellow plate (Highlight part) depending on setting value (-128 to 127).		
005	Slave:K	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Black plate (Highlight part) depending on setting value (-128 to 127).		
006	Slave:C	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Cyan plate (Highlight part) depending on setting value (-128 to 127).		
007	Slave:M	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Magenta plate (Highlight part) depending on setting value (-128 to 127).		
008	Slave:Y	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Yellow plate (Highlight part) depending on setting value (-128 to 127).		

4506	**[ACC Cor:Dark]**		
001	Master:K	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Black plate (Shadow part) depending on setting value (-128 to 127).		
002	Master:C	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Cyan plate (Shadow part) depending on setting value (-128 to 127).		
003	Master:M	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Magenta plate (Shadow part) depending on setting value (-128 to 127).		

004	Master:Y	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Text (edge) Yellow plate (Shadow part) depending on setting value (-128 to 127).		
005	Slave:K	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Black plate (Shadow part) depending on setting value (-128 to 127).		
006	Slave:C	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Cyan plate (Shadow part) depending on setting value (-128 to 127).		
007	Slave:M	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Magenta plate (Shadow part) depending on setting value (-128 to 127).		
008	Slave:Y	*ENG	[-128 to 127 / **0** / 1/step]
	Adjusts target value (larger the thinner) for copy AAC of Photo (non-edge) Yellow plate (Shadow part) depending on setting value (-128 to 127).		

4540	**[Print Coverage]**		
001	RY Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of R (to Y) Phase.		
002	RY Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding R (to Y) Phase. Larger the darker.		
003	RY Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding R (to Y) Phase. Larger the darker.		
004	RY Phase: B	*ENG	[-256 to 255 / **0** / 1/step]

	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding R (to Y) Phase. Larger the darker.		
005	YR Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of Y (to R) Phase.		
006	YR Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding Y (to R) Phase. Larger the darker.		
007	YR Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding Y (to R) Phase. Larger the darker.		
008	YR Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding Y (to R) Phase. Larger the darker.		
009	YG Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of Y (to G) Phase.		
010	YG Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding Y (to G) Phase. Larger the darker.		
011	YG Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding Y (to G) Phase. Larger the darker.		
012	YG Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding Y (to G) Phase. Larger the darker.		

013	GY Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of G (to Y) Phase.		
014	GY Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding G (to Y) Phase. Larger the darker.		
015	GY Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding G (to Y) Phase. Larger the darker.		
016	GY Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding G (to Y) Phase. Larger the darker.		
017	GC Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of G (to C) Phase.		
018	GC Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding G (to C) Phase. Larger the darker.		
019	GC Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding G (to C) Phase. Larger the darker.		
020	GC Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding G (to C) Phase. Larger the darker.		

021	CG Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of C (to G) Phase.		
022	CG Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding C (to G) Phase. Larger the darker.		
023	CG Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding C (to G) Phase. Larger the darker.		
024	CG Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding C (to G) Phase. Larger the darker.		
025	CB Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of C (to B) Phase.		
026	CB Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding C (to B) Phase. Larger the darker.		
027	CB Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding C (to B) Phase. Larger the darker.		
028	CB Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding C (to B) Phase. Larger the darker.		

029	BC Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of B (to C) Phase.		
030	BC Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding B (to C) Phase. Larger the darker.		
031	BC Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding B (to C) Phase. Larger the darker.		
032	BC Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding B (to C) Phase. Larger the darker.		
033	BM Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of B (to M) Phase.		
034	BM Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding B (to M) Phase. Larger the darker.		
035	BM Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding B (to M) Phase. Larger the darker.		
036	BM Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding B (to M) Phase. Larger the darker.		

037	MB Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of M (to B) Phase.		
038	MB Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding M (to B) Phase. Larger the darker.		
039	MB Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding M (to B) Phase. Larger the darker.		
040	MB Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding M (to B) Phase. Larger the darker.		
041	MR Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of M (to R) Phase.		
042	MR Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding M (to R) Phase. Larger the darker.		
043	MR Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding M (to R) Phase. Larger the darker.		
044	MR Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding M (to R) Phase. Larger the darker.		

045	RM Phase: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of R (to M) Phase.		
046	RM Phase: R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding R (to M) Phase. Larger the darker.		
047	RM Phase: G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding R (to M) Phase. Larger the darker.		
048	RM Phase: B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding R (to M) Phase. Larger the darker.		
049	WHITE: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of highlight area.		
050	WHITE:R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding highlight area. Larger the darker.		
051	WHITE:G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding highlight area. Larger the darker.		
052	WHITE:B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding highlight area. Larger the darker.		

053	BLACK: Option	*ENG	[0 to 255 / **0** / 1/step] 0:OFF 1:ON
	Sets ON/OFF (0: OFF, 1: ON) for copy output color adjust (each corresponding picture quality mode) of shadow area.		
054	BLACK:R	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (C ingredient) corresponding shadow area. Larger the darker.		
055	BLACK:G	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (M ingredient) corresponding shadow area. Larger the darker.		
056	BLACK:B	*ENG	[-256 to 255 / **0** / 1/step]
	Adjusts Value (-256 to +255) for copy output color (Y ingredient) corresponding shadow area. Larger the darker.		

4550	**[Scan Apli:Txt/Print]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Text/ Chart mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Text/ Chart mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Text/ Chart mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		

009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Text/ Chart mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4551	**[Scan Apli:Txt]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Text mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Text mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Text mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Text mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Text mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4552	[Scan Apli:Txt Dropout]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Text (Drop Out Color) mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Text (Drop Out Color) mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Text (Drop Out Color) mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4553	[Scan Apli:Txt/Photo]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]

	Sets Brightness level (1 to 255) for Scan Apli: Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4554	**[Scan Apli:Photo]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4565	[Scan Apli:GrayScale]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: GrayScale mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: GrayScale mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: GrayScale mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: GrayScale mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: GrayScale mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4570	[Scan Apli:Col Txt/Photo]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]

	Sets Brightness level (1 to 255) for Scan Apli: Color Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Color Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Color Text/Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4571	**[Scan Apli:Col Gloss Photo]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Color Gloss Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Color Gloss Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Color Gloss Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4572	**[Scan Apli:AutoCol]**

005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for Scan Apli: Auto Color mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for Scan Apli: Auto Color mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for Scan Apli: Auto Color mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for Scan Apli: Auto Color mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for Scan Apli: Auto Color mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4580	**[Fax Apli:Txt/Chart]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Text/Chart mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]

	Sets Contrast level (1 to 255) for FAX Apli: Text/Chart mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Text/Chart mode. 0 is for OFF, Larger the value, Stronger the Erase.		
010	Texture Erase: 0	*ENG	[0 to 2 / **0** / 1/step]
	Sets Texture Erase for FAX Apli: Text/Chart mode. 0: Fixed Threshold, 1: Variable Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)		

4581	**[Fax Apli:Txt]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for FAX Apli: Text mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for FAX Apli: Text mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Text mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for FAX Apli: Text mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Text mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4582	[Fax Apli:Txt/Photo]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Text/Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for FAX Apli: Text/Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Text/Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		
010	Texture Erase: 0	*ENG	[0 to 2 / **0** / 1/step]
	Sets Texture Erase for FAX Apli: Text/Photo mode. 0: Fixed Threshold, 1: Variable Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)		

4583	[Fax Apli:Photo]		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for FAX Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]

	Sets Smoothing level for FAX Apli: Photo mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Photo mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for FAX Apli: Photo mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Photo mode. 0 is for OFF, Larger the value, Stronger the Erase.		
010	Texture Erase: 0	*ENG	[0 to 2 / **0** / 1/step]
	Sets Texture Erase for FAX Apli: Photo mode. 0: Fixed Threshold, 1: Variable Threshold, 2: Variable Threshold (Threshold type used for 1 and 2 are different)		

4584	**[Fax Apli:Original 1]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1/step]
	Sets emphasis level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Special Original 1 mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for FAX Apli: Special Original 1 mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		

009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Special Original 1 mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4585	**[Fax Apli:Original 2]**		
005	MTF: 0(Off) 1-15 (Weak-Strong)	*ENG	[0 to 15 / **8** / 1 /]
	Sets emphasis level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger the value, Stronger the emphasis.		
006	Smoothing: 0(x1) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **4** / 1/step]
	Sets Smoothing level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger the value, the Smoother.		
007	Brightness: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Brightness level (1 to 255) for FAX Apli: Special Original 2 mode. 128 is for No Correction, Larger the value, the Brighter.		
008	Contrast: 1-255	*ENG	[1 to 255 / **128** / 1/step]
	Sets Contrast level (1 to 255) for FAX Apli: Special Original 2 mode. 128 is for No Correction, Larger the value, Stronger the Contrast.		
009	Ind Dot Erase: 0(Off) 1-7 (Weak-Strong)	*ENG	[0 to 7 / **0** / 1/step]
	Sets Independent Dot Erase level for FAX Apli: Special Original 2 mode. 0 is for OFF, Larger the value, Stronger the Erase.		

4600	**[SBU Version Display]**		
001	SBU_ID	ENG	[0x00 to 0xFF / **0** / 1/step]
	Displays SUB ID. In occasions that SUBs ID is not normal cause to a part installed wrong or SUB malfunction, A cause flag will be set to SP4-647-001 and will become SC144-00.		

002	SCAT _F_ID	ENG	[0x00 to 0xFF / **0** / 1/step]
	Displays SBU (SCAT: F Side) ID. In occasions that SUBs ID is not normal cause to a part installed wrong or SUB malfunction, A cause flag will be set to SP4-647-001 and will become SC144-00.		
003	SCAT_L_ID	ENG	[0x00 to 0xFF / **0** / 1/step]
	Displays SBU (SCAT: L side) ID. In occasions that SUBs ID is not normal cause to a part installed wrong or SUB malfunction, A cause flag will be set to SP4-647-001 and will become SC144-00.		

4609	**[Gray Balance Set: R]**		
001	Book Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]
	Display/Saves Gray Balance Adjustment value (RED) of Scanners surface (Book) Adjusted Value during the warranty process of scan unit is saved.		
002	DF Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]
	Display/Saves Gray Balance Adjustment value (RED) of Scanners surface (ADF) Adjusted Value during the warranty process of scan unit is saved. Note ▪ With DF Density Adjustment value: SP4-688-002, GrayBalance Adjustment value correction is available for when DF reading. ▪ (Density Difference correction of Book Scan and DF Surface Scan).		

4610	**[Gray Balance Set: G]**		
001	Book Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]
	Display/Saves Gray Balance Adjustment value (GREEN) of Scanners surface (Book) Adjusted Value during the warranty process of scan unit is saved.		
002	DF Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]

	Display/Saves Gray Balance Adjustment value (GREEN) of Scanners surface (ADF) Adjusted Value during the warranty process of scan unit is saved. Note ▪ With DF Density Adjustment value: SP4-688-002, GrayBalance Adjustment value correction is available for when DF reading. ▪ (Density Difference correction of Book Scan and DF Surface Scan).

4611	**[Gray Balance Set: B]**		
001	Book Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]
	Display/Saves Gray Balance Adjustment value (BLUE) of Scanners surface (Book) Adjusted Value during the warranty process of scan unit is saved.		
002	DF Scan	*ENG	[-384 to 255 / **-100** / 1digit/step]
	Display/Saves Gray Balance Adjustment value (BLUE) of Scanners surface (ADF) Adjusted Value during the warranty process of scan unit is saved. Note ▪ With DF Density Adjustment value: SP4-688-002, GrayBalance Adjustment value correction is available for when DF reading. ▪ (Density Difference correction of Book Scan and DF Surface Scan).		

4635	**[SSCG Correction Set]**		
001	Mode Selection	*ENG	[0 to 3 / **1** / 1/step] 0:do not adjust SSCG 1: Only adjust analog.(default) 2: Only adjust digital 3: Adjust both analog/digital.
	Selects SSCG Noise Correction Mode. Use when SSCG does not function correctly due to accidental malfunction, as a temporally action, set with out adjusting SSCG. When SSCG does not function correctly, due to scanner, side streak/cross streak might appear in high density area. Use this temporally if changing setting redresses problem.		

4637	**[SSCG Noise Cancel (Analog)]**		
001	Latest:F:RE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/RED/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
002	Latest:F:RO	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/RED/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
003	Latest:F:GE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/GREEN/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
004	Latest:F:GO	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/GREEN/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
005	Latest:F:BE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/BLUE/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
006	Latest:F:BO	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (F Side/BLUE/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
007	Latest:L:RE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (L Side/RED/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
008	Latest:L:RO	ENG	[-31 to 31 / **0** / 1digit/step]

	Displays SSCG analog correction value (L Side/RED/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
009	Latest:L:GE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (L Side/GREEN/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
010	Latest:L:GO	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (L Side/GREEN/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
011	Latest:L:BE	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (L Side/BLUE/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
012	Latest:L:BO	ENG	[-31 to 31 / **0** / 1digit/step]
	Displays SSCG analog correction value (L Side/BLUE/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

4638	**[SSCG Noise Cancel (Digital)]**		
001	Latest:F:RE	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (F Side/RED/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
002	Latest:F:RO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (F Side/RED/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
003	Latest:F:GE	*ENG	[-255 to 255 / **0** / 1digit/step]

	Displays SSCG Digital correction value (F Side/GREEN/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
004	Latest:F:GO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (F Side/GREEN/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
005	Latest:F:BE	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (F Side/BLUE/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
006	Latest:F:BO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (F Side/BLUE/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
007	Latest:L:RE	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/RED/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
008	Latest:L:RO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/RED/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
009	Latest:L:GE	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/GREEN/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
010	Latest:L:GO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/GREEN/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

011	Latest:L:BE	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/BLUE/EVEN pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
012	Latest:L:BO	*ENG	[-255 to 255 / **0** / 1digit/step]
	Displays SSCG Digital correction value (L Side/BLUE/ODD pixel). Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

4639	**[SSCG Noise Cancel (Analog)]**		
001	Factory :F:RE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (F Side/RED/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
002	Factory :F:RO	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (F Side/RED/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
003	Factory :F:GE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (F Side/GREEN/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
004	Factory :F:GO	*ENG	[-31 to 31 / **0** / 1digit/step]

	Display/Saves Factory SSCG Analog correction value (F Side/GREEN/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
005	Factory :F:BE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (F Side/BLUE/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
006	Factory :F:BO	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (F Side/BLUE/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
007	Factory :L:RE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/RED/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
008	Factory :L:RO	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/RED/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		

009	Factory :L:GE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/GREEN/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
010	Factory :L:GO	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/GREEN/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
011	Factory :L:BE	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/BLUE/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
012	Factory :L:BO	*ENG	[-31 to 31 / **0** / 1digit/step]
	Display/Saves Factory SSCG Analog correction value (L Side/BLUE/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		

4640	[SSCG Noise Cancel (Digital)]		
001	Factory :F:RE	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/RED/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
002	Factory :F:RO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/RED/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
003	Factory :F:GE	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/GREEN/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
004	Factory :F:GO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/GREEN/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
005	Factory :F:BE	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/BLUE/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		

006	Factory :F:BO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (F Side/BLUE/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
007	Factory :L:RE	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (L Side/RED/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
008	Factory :L:RO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (L Side/RED/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
009	Factory :L:GE	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (L Side/GREEN/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
010	Factory :L:GO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (L Side/GREEN/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
011	Factory :L:BE	ENG	[-255 to 255 / **0** / 1digit/step]

	Display/Saves Factory SSCG Digital correction value (L Side/BLUE/EVEN pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		
012	Factory :L:BO	ENG	[-255 to 255 / **0** / 1digit/step]
	Display/Saves Factory SSCG Digital correction value (L Side/BLUE/ODD pixel). Adjusted SSCG correction Value during the main unit warranty process is saved. Use for analyzing malfunction, comparing factory / current value.		

4641	**[SSCG Noise Amplitude]**		
001	F:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/RED/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
002	F:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/RED/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
003	L:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/RED/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

004	L:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/RED/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
005	F:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/GREEN/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
006	F:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/GREEN/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
007	L:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/GREEN/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

008	L:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/GREEN/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
009	F:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/BLUE/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
010	F:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (F Side/BLUE/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		
011	L:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/BLUE/EVEN pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

012	L:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays SSCG Nose Amplitude (L Side/BLUE/ODD pixel) when adjusting SSCG. Correction value will be decided depending on detected Noise Amplitude when adjusting. Adjustment will be done when scanner turns on. Use for design evaluation, analyzing malfunction (abnormal images).		

4646	**[Scan Adjust Error]**		
	Displays error value of scanning adjustment.		
001	White level:F	ENG	[0 to 65535 / **0** / 1/step] Bit15:Unused Bit14: Unused Bit13:White level abnormal (F side/RED/EVEN pixel) Bit12: White level abnormal (F side /RED/ODD pixel) Bit11: White level abnormal (F side /GREEN/EVEN pixel) Bit10: White level abnormal (F side /GREEN/ODD pixel) Bit9: White level abnormal (F side /BLUE/EVEN pixel) Bit8:White level abnormal (F side /BLUE/ODD pixel) Bit7: Unused Bit6: Unused Bit5:gain abnormal (F side /RED/EVEN pixel) Bit4: gain abnormal (F side /RED/ODD pixel) Bit3: gain abnormal (F side /GREEN/EVEN pixel) Bit2: gain abnormal (F side /GREEN/ODD pixel) Bit1: gain abnormal (F side /BLUE/EVEN pixel) Bit0: gain abnormal (F side /BLUE/ODD pixel)

	Shows cause of error when an error occurs during the white level adjustment when scanner turns on. When an error, SC142-00(F side/white level adjustment error)will be given.[format] binary Scan adjust error (F side/White level) flag= (b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)		
002	Black level:F	ENG	[0 to 65535 / **0** / 1/step] Bit7: Unused Bit6: Unused Bit5: Black level abnormal (F side/RED/EVEN Pixel) Bit4: Black level abnormal (F side /RED/ODD Pixel) Bit3: Black level abnormal (F side /GREEN/EVEN Pixel) Bit2: Black level abnormal (F side /GREEN/ODD Pixel) Bit1: Black level abnormal (F side /BLUE/EVEN Pixel) Bit0: Black level abnormal (F side /BLUE/ODD Pixel)
	Shows cause of error when an error occurs With the Black level check when scanner turns on. When an error, SC141-00(F side/Black level adjustment error) will be given. [format] binary Scan adjust error (F side/Black level) flag=(b7,b6,b5,b4,b3,b2,b1,b0)		

003	SSCG Correction:F	ENG	[0 to 65535 / **0** / 1/step] Bit7: Unused Bit6: Unused Bit5: SSCG correction error (Fside/RED/EVEN Pixel) Bit4: SSCG correction error (Fside/RED/ODD Pixel) Bit3: SSCG correction error (Fside/GREEN/EVEN Pixel) Bit2: SSCG correction error (Fside/GREEN/ODD Pixel) Bit1: SSCG correction error (Fside/BLUE/EVEN Pixel) Bit0: SSCG correction error (Fside/BLUE/ODD Pixel)
	Shows cause of error when an error occurs With the SSCG Noise correction when scanner turns on. When an error, Correction turns off. [format] binary Scan adjust error (F side/SSCG correction) flag= (b7,b6,b5,b4,b3,b2,b1,b0)		

004	White level:L	ENG	[0 to 65535 / **0** / 1/step] Bit15: Unused Bit14: Unused Bit13: White level abnormal (L side/RED/EVEN Pixel) Bit12: White level abnormal (L side/RED/ODD Pixel) Bit11: White level abnormal (L side/GREEN/EVEN Pixel) Bit10: White level abnormal (L side/GREEN/ODD Pixel) Bit9: White level abnormal (L side/BLUE/EVEN Pixel) Bit8:White level abnormal (L side/BLUE/ODD Pixel) Bit7: Unused Bit6: Unused Bit5: Gain abnormal (L side/RED/EVEN Pixel) Bit4: Gain abnormal (L side/RED/ODD Pixel) Bit3: Gain abnormal (L side/GREEN/EVEN Pixel) Bit2: Gain abnormal (L side/GREEN/ODD Pixel) Bit1: Gain abnormal (L side/BLUE/EVEN Pixel) Bit0: Gain abnormal (L side/BLUE/ODD Pixel)
	Shows cause of error when an error occurs With the White level adjust when scanner turns on. When an error, SC142-00 (L side/White level adjust error) will be given. [format] binary Scan adjust error (F side/SSCG correction) flag= (b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)		

005	Black level:L	ENG	[0 to 65535 / **0** / 1/step] Bit7: Unused Bit6: Unused Bit5: Black level abnormal (L Side/RED/EVEN Pixel) Bit4: Black level abnormal (L Side/RED/ODD Pixel) Bit3: Black level abnormal (L Side/GREEN/EVEN Pixel) Bit2: Black level abnormal (L Side/GREEN/ODD Pixel) Bit1: Black level abnormal (L Side/BLUE/EVEN Pixel) Bit0: Black level abnormal (L Side/BLUE/ODD Pixel)
	Shows cause of error when an error occurs With the Black level check when scanner turns on. When an error, SC141-00(L side/Black level adjustment error) will be given. [format] binary Scan adjust error (F side/Black level) flag=(b7,b6,b5,b4,b3,b2,b1,b0)		
006	SSCG Correction:L	ENG	[0 to 65535 / **0** / 1/step] Bit7: Unused Bit6: Unused Bit5: SSCG correction error (L side/RED/EVEN Pixel) Bit4: SSCG correction error (L side/RED/ODD Pixel) Bit3: SSCG correction error (L side/GREEN/EVEN Pixel) Bit2: SSCG correction error (L side/GREEN/ODD Pixel) Bit1: SSCG correction error (L side/BLUE/EVEN Pixel) Bit0: SSCG correction error (L side/BLUE/ODD Pixel)

	Shows cause of error when an error occurs With the SSCG Noise correction when scanner turns on. When an error, Correction turns off. [format] binary Scan adjust error (L side/SSCG correction) flag= (b7,b6,b5,b4,b3,b2,b1,b0)		
007	FL Correction	ENG	[0 to 65535 / **0** / 1/step] Bit7: Unused Bit6: Unused Bit5: Unused Bit4: Unused Bit3: Unused Bit2:FL Correction error (RED) Bit1:FL Correction error (GREEN) Bit0:FL Correction error (BLUE)
	Shows cause of error when an error occurs with FL correction check (SP4-491-002) during scanner unit warranty process. When an error, Correction turns off and SP4-490-001/002/003 will reset. [format] binary Scan adjust error (SSCG correction) flag= (b7,b6,b5,b4,b3,b2,b1,b0)		

4647	**[Scanner Hard Error]**
	Displays result of SBU connection check.

001	Power-ON	ENG	[0 to 65535 / **0** / 1/step] Bit15: Unused Bit14:SBU hardware error (Power ON/un-reset error) Bit13:SBU hardware error (Serial communication error: F side) Bit12:SBU hardware error (Reset error: F side) Bit11: Unused Bit10: Unused Bit9:SBU hardware error (Version error) Bit8: Unused Bit7: Unused Bit6: Unused Bit5:SBU hardware error (Serial communication error: L side) Bit4:SBU hardware error (Reset error:Lside) Bit3: Unused Bit2: Unused Bit1: Unused
	Shows cause of error when an error occurs with the SBU connection detect when Scanner turns on.. When an error, SC144-00 (SBU Communication error) will be given. [format] binary Scan adjust error (SSCG correction) flag= (b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)		

4651	**[Black Level Adj Value(Analog)]**		
001	Latest:F:RE	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/RED/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

002	Latest:F:RO	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/RED/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:RE	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (L side/RED/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:RO	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (L side/RED/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4652	**[Black Level Adj Value(Analog)]**		
001	Latest:F:GE	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/GREEN/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:GO	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/GREEN/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:GE	ENG	[0 to 127 / **0** / 1digit/step]

	Displays Black level analog adjustment value (L side/GREEN/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:GO	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (L side/GREEN/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4653	**[Black Level Adj Value(Analog)]**		
001	Latest:F:BE	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/BLUE/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:BO	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (F side/BLUE/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:BE	ENG	[0 to 127 / **0** / 1digit/step]
	Displays Black level analog adjustment value (L side/BLUE/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:BO	ENG	[0 to 127 / **0** / 1digit/step]

	Displays Black level analog adjustment value (L side/BLUE/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4654	**[Black Level Adj Value(Digital)]**		
001	Latest:F:RE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/RED/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:RO	ENG	0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/RED/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:RE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/RED/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:RO	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/RED/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4655	[Black Level Adj Value(Digital)]		
001	Latest:F:GE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/GREEN/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:GO	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/GREEN/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:GE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/GREEN/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:GO	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/GREEN/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4656	**[Black Level Adj Value(Digital)]**		
001	Latest:F:BE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/BLUE/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:BO	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (F side/BLUE/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:BE	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/BLUE/EVEN Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:BO	ENG	[0 to 16383 / **0** / 1digit/step]
	Displays Black level digital adjustment value (L side/BLUE/ODD Pixel). Black level adjustment is continuously done hardwarelly by SBUs ASIC (SCAT). Black level is checked when Scanner turns on, then Adjustment value is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4658	**[Analog Gain Adjust]**		
001	Latest:F:R	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (F side/RED Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will amplify or attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:L:R	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (L side/RED Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will amplify or attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4659	**[Analog Gain Adjust]**		
001	Latest:F:G	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (F side/GREEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will amplify or attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:L:G	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (L side/GREEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will amplify or attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4660	**[Analog Gain Adjust]**		
001	Latest:F:B	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (F side/BLUE Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:L:B	*ENG	[0 to 14 / **0** / 1digit/step]
	Displays Analog gain adjustment value (L side/BLUE Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will amplify or attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4661	**[Digital Gain Adjust]**		
001	Latest:F:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (F side/RED/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (F side/RED/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (L side/RED/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:RO	*ENG	[0 to 1023 / **0** / 1digit/step]

	Displays Digital gain adjustment value (L side/RED/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4662	**[Digital Gain Adjust]**		
001	Latest:F:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (F side/GREEN/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (F side/GREEN/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:GE	*ENG	[0 to 1023 / **0** / 1digit/step]

	Displays Digital gain adjustment value (L side/GREEN/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (L side/GREEN/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4663	**[Digital Gain Adjust]**		
001	Latest:F:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (F side/BLUE/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:BO	*ENG	[0 to 1023 / **0** / 1digit/step]

	Displays Digital gain adjustment value (F side/BLUE/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:L:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (L side/BLUE/EVEN Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:L:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Digital gain adjustment value (L side/BLUE/ODD Pixel). White level adjustment will be done to keep hold of image signal's dynamic range when Scanner turns on. Gain adjustment will be done hardwarelly by SBUs ASIC (SCAT) and be given, cause to the fact that White level adjustment will Amplify or Attenuated image signal. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4670	**[Black Level Adj Value(Analog)]**		
001	Factory Set:F:RE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/RED/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory Set:F:RO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/RED/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory Set:L:RE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/RED/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory Set:L:RO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/RED/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4671	**[Black Level Adj Value(Analog)**		
001	Factory Set:F:GE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/GREEN/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory Set:F:GO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/GREEN/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory Set:L:GE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/GREEN/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory Set:L:GO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/GREEN/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4672	**[Black Level Adj Value(Analog)]**		
001	Factory Set:F:BE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/BLUE/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory Set:F:BO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (F side/BLUE/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory Set:L:BE	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/BLUE/EVEN Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory Set:L:BO	*ENG	[0 to 127 / **0** / 1digit/step]
	Display/Saves Factory Black level analog adjusting value (L side/BLUE/ODD Pixel) Factory Black level analog adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4673	[Black Level Adj Value(Digital)]		
001	Factory :F:RE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/RED/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:RO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/RED/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:RE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/RED/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:RO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/RED/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4674	[Black Level Adj Value(Digital)]		
001	Factory :F:GE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/GREEN/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:GO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/GREEN/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:GE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/GREEN/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:GO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/GREEN/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4675	**[Black Level Adj Value(Digital)]**		
001	Factory :F:BE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/BLUE/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:BO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (F side/BLUE/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:BE	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/BLUE/EVEN Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:BO	*ENG	[0 to 16383 / **0** / 1digit/step]
	Display/Saves Factory Black level digital adjusting value (L side/BLUE/ODD Pixel) Factory Black level digital adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4677	[Analog Gain Adjust]		
001	Factory :F:R	*ENG	[0 to 14 / **0** / 1digit/step]
	Display/Saves Factory Analog gain adjusting value (F side/RED Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :L:R	*ENG	[0 to 14 / **0** / 1digit/step]
	Display/Saves Factory Analog gain adjusting value (L side/RED Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4678	[Analog Gain Adjust]		
001	Factory :F:G	*ENG	[0 to 14 / **0** / 1digit/step]
	Display/Saves Factory Analog gain adjusting value (F side/GREEN Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :L:G	*ENG	[0 to 14 / **0** / 1digit/step]
	Display/Saves Factory Analog gain adjusting value (L side/GREEN Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4679	[Analog Gain Adjust]		
001	Factory :F:B	*ENG	[0 to 14 / **0** / 1digit/step]
	Display/Saves Factory Analog gain adjusting value (F side/BLUE Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :L:B	*ENG	[0 to 14 / **0** / 1digit/step]

	Display/Saves Factory Analog gain adjusting value (L side/BLUE Pixel) Factory Analog gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4680	**[Digital Gain Adjust]**		
001	Factory :F:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/RED/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/RED/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/RED/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/RED/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4681	**[Digital Gain Adjust]**		
001	Factory :F:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/GREEN/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/GREEN/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/GREEN/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/GREEN/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4682	[Digital Gain Adjust]		
001	Factory :F:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/BLUE/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory :F:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (F side/BLUE/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory :L:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/BLUE/EVEN Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory :L:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves Factory Digital gain adjusting value (L side/BLUE/ODD Pixel) Factory Digital gain adjusting value from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4688	[Scan Image Density Adjustment]		
	Adjust density difference for ADF and Book.		
002	1-pass DF	*ENG	[80 to 120 / **103** / 1 %/step]

4690	**[White Level Peak Data]**		
001	F:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/RED/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	F:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/RED/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	L:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/RED/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

004	L:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/RED/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4691	**[White Level Peak Data]**		
001	F:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/GREEN/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	F:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/GREEN/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

003	L:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/GREEN/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	L:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/GREEN/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4692	**[White Level Peak Data]**		
001	F:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/BLUE/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

002	F:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (F side/BLUE/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	L:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/BLUE/EVEN Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	L:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays White level peek scanning value (L side/BLUE/ODD Pixel). Adjusts White level by scanning White Basis Board to keep hold of Scanner's image signal's dynamic range when Scanner turns on. Scan level for White Basis Board when adjusting white level will be given. When White level peak scanning value is abnormal (adjustment won't complete), SC142-00 is given. Cause of error will show in SP4-646-004. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4693	**[Black Level Data]**		
001	F:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/RED/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	F:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/RED/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	L:RE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/RED/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

004	L:RO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/RED/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4694	**[Black Level Data]**		
001	F:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/GREEN/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	F:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/GREEN/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

003	L:GE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/GREEN/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	L:GO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/GREEN/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4695	**[Black Level Data]**		
001	F:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/BLUE/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

002	F:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (F side/BLUE/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-002. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	L:BE	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/BLUE/EVEN Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	L:BO	ENG	[0 to 1023 / **0** / 1digit/step]
	Displays Black level peek scanning value (L side/BLUE/ODD Pixel). Image signal's offset level will be checked and given when Scanner turns on and the Black level is checked. Confirming if SBU's (SCAT) offset adjusting function is running normal. When Black level peak scanning value is abnormal, SC141-00 is given. Cause of error will show in SP4-646-005. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4699	[SBU Test Pattern Change]		
001	-	ENG	[0 to 255 / **0** / 1/step] 0: Normal image output, SH/Black reduce: Not set (default) 1: test pattern output, Output fixed value(682digit), SH/Black reduce: OFF 2: Test pattern output, Main scan gradation pattern(10bit tone, 4dot step), SH/Black reduce: OFF 3:Test pattern output, Main scan gradation pattern (10bit tone, 3line step), SH/Black reduce: OFF 4:Test pattern output, grid pattern (20mm x 10mm grid pattern), SH/Black reduce: OFF
	Outputs SBU Test pattern. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4700	[CIS ID Display]		
001	-	ENG	[0x00 to 0xFF / **0** / 1/step]
	When CIS's ID is not normal, cause flag is set to SP4-747-001 and becomes SC185-00.		

4712	[CIS GB Adj Value: R]		
001	-	ENG	[0 to 8191 / **4095** / 1digit/step]
	Display/Saves gray balance adjusting value (RED) of CIS. Value adjusted during the DF warranty process is saved.		

4713	[CIS GB Adj Value: G]

001	-	ENG	[0 to 8191 / **4095** / 1digit/step]
	Display/Saves gray balance adjusting value (GREEN) of CIS. Value adjusted during the DF warranty process is saved.		

4714	**[CIS GB Adj Value: B]**		
001	-	ENG	[0 to 8191 / **4095** / 1digit/step]
	Display/Saves gray balance adjusting value (BLUE) of CIS.		

4745	**[CIS Image Level Error Flag]**		
001	-	ENG	[0 to 65535 / **0** / 1/step] b15: Unused b14: Unused b13: Unused b12: Unused b11:Red White level error flag b10:Green White level error flag b9:Blue White level error flag b8: Unused b7: Unused b6: Unused b5:Red Black level error flag b4:Green Black level error flag b3:Blue Black level error flag b2:Red White level front end-back end ratio error flag b1:Green White level front end-back end ratio error flag b0:Blue White level front end-back end ratio error flag

	Display CIS's image level error flag. Displays cause of error if error occurs with image level check when DF powers ON. When an error, depending on the cause, SC187-00(Black level error), SC188-00(White level error), SC186-00(CIS Light source error) will be given. [Display format] binary CIS image level error flag= (b15,b14,b13,b12,b11,b10,b9,b8,b7,b6,b5,b4,b3,b2,b1,b0)

4746	**[CIS GB Adj Error Flag]**		
001	CIS GB Adj Error Flag	ENG	[0 to 7 / **0** / 1/step] b 2:Red Gray balance adjusting error flag (GB_ERR_R) b 1:Green Gray balance adjusting error flag (GB_ERR_G) b 0:Blue gray balance adjusting error flag (GB_ERR_B)
	Display Gray balance adjusting error flag for CIS. When an error occurs with Gray balance adjust of SP4-705-001, displays the cause. When an error, SC189-00 (Gray balance adjusting error) will be given. [Display format] binary CIS GB Adjusting error flag = (b2, b1, b0)		

4747	**[CIS Hard Error Flag]**		
001	CIS Hard Error Flag	ENG	[0 to 7 / **0** / 1/step] b 2: Boot error flag for Marble (Marble_BOOT_ERR) b 1:Register read error flag for Marble (Marble_READ_ERR) b 0:Register read error flag for Opal (Opal_READ_ERR)
	Displays Hard error flag for CIS. If an error occurs with CIS communication error detect when DF powers ON, displays the cause. When an error, SC185-00 (CIS communication error) will be given. [Display format] binary CIS Hard error flag = (b2, b1, b0)		

4748	**[CIS M-Scan White Level: Avg. R]**		
	Displays main scan white level average value (R Leading edge / Trailing edge) for CIS.		
001	Leading Edge	ENG	[0 to 255 / **0** / 1digit/step]
	Displays main scan white level average value (R leading edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's leading edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Trailing Edge	ENG	[0 to 255 / **0** / 1digit/step]

	Displays main scan white level average value (R trailing edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's trailing edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4749	**[CIS M-Scan White Level: Avg. G]**		
	Displays main scan white level average value (G Leading edge / Trailing edge) for CIS.		
001	Leading Edge	ENG	[0 to 255 / **0** / 1digit/step]
	Displays main scan white level average value (G leading edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's leading edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Trailing Edge	ENG	[0 to 255 / **0** / 1digit/step]

	Displays main scan white level average value (G trailing edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's trailing edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4750	**[CIS M-Scan White Level: Avg. B]**		
	Displays main scan white level average value (B Leading edge / Trailing edge) for CIS.		
001	Leading Edge	ENG	[0 to 255 / **0** / 1digit/step]
	Displays main scan white level average value (B leading edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's leading edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Trailing Edge	ENG	[0 to 255 / **0** / 1digit/step]

	Displays main scan white level average value (B trailing edge) for CIS. Checks errors for light source by scanning White basis roller witch is set to match CIS when DF powers ON. White basis roller's trailing edge reading level from checking light source error will be given. Light source for CIS is made from 2sets of LED set to both leading/trail edge of main scan; there for, detects error by checking main scan's both ends output level ratio. When both ends scanning level ratio is abnormal, SC186-00(CIS Light source error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4787	**[CIS White Level Peak Data: R]**		
001	Factory Setting	*ENG	[0 to 255 / **0** / 1digit/step]
	Display/Saves Factory White level; peak data (RED) for CIS. Factory white level; peak data from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC)		

4788	**[CIS White Level Peak Data: G]**		
001	Factory Setting	*ENG	[0 to 255 / **0** / 1digit/step]
	Display/Saves Factory White level; peak data (GREEN) for CIS. Factory white level; peak data from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC)		

4789	**CIS White Level Peak Data: B**		
001	Factory Setting	*ENG	[0 to 255 / **0** / 1digit/step]
	Display/Saves Factory White level; peak data (BLUE) for CIS. Factory white level; peak data from Main unit warranty process is saved. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC)		

4790	[CIS White Level Peak Data: R]		
	-	ENG	[0 to 255 / **0** / 1digit/step]
001	Displays White level; peak data (RED) for CIS. Checks White level by scanning White basis roller witch is set to mach CIS DF powers ON. Reading level of White basis roller from white level check is given. When white level peak scanning value is abnormal, SC188-00 (White level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4791	[CIS White Level Peak Data: G]		
	-	ENG	[0 to 255 / **0** / 1digit/step]
001	Displays White level; peak data (GREEN) for CIS. Checks White level by scanning White basis roller witch is set to mach CIS DF powers ON. Reading level of White basis roller from white level check is given. When white level peak scanning value is abnormal, SC188-00 (White level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4792	[CIS White Level Peak Data: B]		
001	-	ENG	[0 to 255 / **0** / 1digit/step]

	Displays White level; peak data (BLUE) for CIS. Checks White level by scanning White basis roller witch is set to mach CIS DF powers ON. Reading level of White basis roller from white level check is given. When white level peak scanning value is abnormal, SC188-00 (White level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

4793	**[CIS Black Level Data: R]**		
	Displays Black level; data (R: Chip1 to 24) for CIS. Displays black scanning level by detecting black level scanning value of each CIS chip from CIS's black level check done when DF powers ON. When Black level scanning value is abnormal, SC187-00 (Black level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
001	Chip1	ENG	[0 to 255 / **0** / 1digit/step]
002	Chip2	ENG	[0 to 255 / **0** / 1digit/step]
003	Chip3	ENG	[0 to 255 / **0** / 1digit/step]
004	Chip4	ENG	[0 to 255 / **0** / 1digit/step]
005	Chip5	ENG	[0 to 255 / **0** / 1digit/step]
006	Chip6	ENG	[0 to 255 / **0** / 1digit/step]
007	Chip7	ENG	[0 to 255 / **0** / 1digit/step]
008	Chip8	ENG	[0 to 255 / **0** / 1digit/step]
009	Chip9	ENG	[0 to 255 / **0** / 1digit/step]
010	Chip10	ENG	[0 to 255 / **0** / 1digit/step]
011	Chip11	ENG	[0 to 255 / **0** / 1digit/step]
012	Chip12	ENG	[0 to 255 / **0** / 1digit/step]

013	Chip13	ENG	[0 to 255 / **0** / 1digit/step]
014	Chip14	ENG	[0 to 255 / **0** / 1digit/step]
015	Chip15	ENG	[0 to 255 / **0** / 1digit/step]
016	Chip16	ENG	[0 to 255 / **0** / 1digit/step]
017	Chip17	ENG	[0 to 255 / **0** / 1digit/step]
018	Chip18	ENG	[0 to 255 / **0** / 1digit/step]
019	Chip19	ENG	[0 to 255 / **0** / 1digit/step]
020	Chip20	ENG	[0 to 255 / **0** / 1digit/step]
021	Chip21	ENG	[0 to 255 / **0** / 1digit/step]
022	Chip22	ENG	[0 to 255 / **0** / 1digit/step]
023	Chip23	ENG	[0 to 255 / **0** / 1digit/step]
024	Chip24	ENG	[0 to 255 / **0** / 1digit/step]

4794	**[CIS Black Level Data: G]** Displays Black level; data (G: Chip1 to 24) for CIS. Displays black scanning level by detecting black level scanning value of each CIS chip from CIS's black level check done when DF powers ON. When Black level scanning value is abnormal, SC187-00 (Black level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
001	Chip1	ENG	[0 to 255 / **0** / 1digit/step]
002	Chip2	ENG	[0 to 255 / **0** / 1digit/step]
003	Chip3	ENG	[0 to 255 / **0** / 1digit/step]
004	Chip4	ENG	[0 to 255 / **0** / 1digit/step]
005	Chip5	ENG	[0 to 255 / **0** / 1digit/step]
006	Chip6	ENG	[0 to 255 / **0** / 1digit/step]

007	Chip7	ENG	[0 to 255 / **0** / 1digit/step]
008	Chip8	ENG	[0 to 255 / **0** / 1digit/step]
009	Chip9	ENG	[0 to 255 / **0** / 1digit/step]
010	Chip10	ENG	[0 to 255 / **0** / 1digit/step]
011	Chip11	ENG	[0 to 255 / **0** / 1digit/step]
012	Chip12	ENG	[0 to 255 / **0** / 1digit/step]
013	Chip13	ENG	[0 to 255 / **0** / 1digit/step]
014	Chip14	ENG	[0 to 255 / **0** / 1digit/step]
015	Chip15	ENG	[0 to 255 / **0** / 1digit/step]
016	Chip16	ENG	[0 to 255 / **0** / 1digit/step]
017	Chip17	ENG	[0 to 255 / **0** / 1digit/step]
018	Chip18	ENG	[0 to 255 / **0** / 1digit/step]
019	Chip19	ENG	[0 to 255 / **0** / 1digit/step]
020	Chip20	ENG	[0 to 255 / **0** / 1digit/step]
021	Chip21	ENG	[0 to 255 / **0** / 1digit/step]
022	Chip22	ENG	[0 to 255 / **0** / 1digit/step]
023	Chip23	ENG	[0 to 255 / **0** / 1digit/step]
024	Chip24	ENG	[0 to 255 / **0** / 1digit/step]

4795	**[CIS Black Level Data: B]**
	Displays Black level; data (B: Chip1 to 24) for CIS. Displays black scanning level by detecting black level scanning value of each CIS chip from CIS's black level check done when DF powers ON. When Black level scanning value is abnormal, SC187-00 (Black level error) is given. Cause of error is shown in SP4-475-001. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).

001	Chip1	ENG	[0 to 255 / **0** / 1digit/step]
002	Chip2	ENG	[0 to 255 / **0** / 1digit/step]
003	Chip3	ENG	[0 to 255 / **0** / 1digit/step]
004	Chip4	ENG	[0 to 255 / **0** / 1digit/step]
005	Chip5	ENG	[0 to 255 / **0** / 1digit/step]
006	Chip6	ENG	[0 to 255 / **0** / 1digit/step]
007	Chip7	ENG	[0 to 255 / **0** / 1digit/step]
008	Chip8	ENG	[0 to 255 / **0** / 1digit/step]
009	Chip9	ENG	[0 to 255 / **0** / 1digit/step]
010	Chip10	ENG	[0 to 255 / **0** / 1digit/step]
011	Chip11	ENG	[0 to 255 / **0** / 1digit/step]
012	Chip12	ENG	[0 to 255 / **0** / 1digit/step]
013	Chip13	ENG	[0 to 255 / **0** / 1digit/step]
014	Chip14	ENG	[0 to 255 / **0** / 1digit/step]
015	Chip15	ENG	[0 to 255 / **0** / 1digit/step]
016	Chip16	ENG	[0 to 255 / **0** / 1digit/step]
017	Chip17	ENG	[0 to 255 / **0** / 1digit/step]
018	Chip18	ENG	[0 to 255 / **0** / 1digit/step]
019	Chip19	ENG	[0 to 255 / **0** / 1digit/step]
020	Chip20	ENG	[0 to 255 / **0** / 1digit/step]
021	Chip21	ENG	[0 to 255 / **0** / 1digit/step]
022	Chip22	ENG	[0 to 255 / **0** / 1digit/step]
023	Chip23	ENG	[0 to 255 / **0** / 1digit/step]
024	Chip24	ENG	[0 to 255 / **0** / 1digit/step]

4796	**[Low Density Color Correction]**		
001	Front Side	*ENG	[0 to 3 / **0** / 1/step] 0: No color correction for low chrome area(Default) 1: Correct low chroma area(weak) 2: Correct low chroma area(medium) 3: Correct low chroma area(strong)
	Corrects color for low chroma area of front side. With 1 path duplex model, color might change between front/Rear sides due to scanning format difference. If user points out this difference, with changing this setting, difference can be reduce. Adjust intensity by color difference. As a side effect, low chroma area's reproducibility will spoil as stronger the intensity gets.		
002	Rear Side	*ENG	[0 to 3 / **0** / 1/step] 0: No color correction for low chroma area(Default) 1: Correct low chroma area(weak) 2: Correct low chroma area(medium) 3: Correct low chroma area(strong)
	Corrects color for low chroma area of rear side. With 1 path duplex model, Color might change between front/Rear sides due to scanning format difference. If user points out this difference, with changing this setting, difference can be reduce. Adjust intensity by Color difference. As a side effect, low chroma area's reproducibility will spoil as stronger the intensity gets.		

4797	[Rear Side: Digital AE]		
001	Low Limit Value	*ENG	[0 to 1023 / **364** / 1/step]
	Sets Lowest threshold to detect as background when DF rear side-scanning. Decides area of input image data brighter (larger value) then threshold.		
002	Background Erase Level	*ENG	[512 to 1535 / **932** / 1/step]
	Sets background level to decide output value for background erase when DF rear side scanning.		

4798	[CIS LED Duty]		
001	CIS LED Duty	*ENG	[0 to 65535 / **0** / 1/step]
	Display/Saves LED lighting duty for CIS. Value set when shipping test for CIS is saved. Normally won't change this setting.		

4799	[CIS TEST Pattern]		
001	Select	ENG	[0 to 5 / **0** / 1/step] 0: Scanned Image 1: Fixed Value Pattern 2: EO Fixed Value Pattern 3: Main Scan Gradation 4: Sub Scan Gradation 5: Grid Pattern
	Sets output test pattern for CIS. When printing out test pattern set with this SP, Press copy button after setting, exit with break key and set paper size, scale, image process conditions as a regular copy, and Set original. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

002	Even Output Level Setting	ENG	[0 to 4095 / **0** / 1digit/step]
	Sets fixed value output level (Even) of test pattern for CIS. Fixed value will be display/set when SP4-799-001-1: full side fixed value, or SP4-799-001-2: fixed value for each EO is selected.		
003	Odd Output Level Setting	ENG	[0 to 4095 / **0** / 1digit/step]
	Sets fixed value output level (Odd) of test pattern for CIS. Fixed value will be display/set when SP4-799-001-1: full side fixed value, or SP4-799-001-2: fixed value for each EO is selected.		

4813	**[ALC Selection]**		
001	FC	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON(default)
	Sets ON/OFF variable correction for Originals scanning level when continuously scanning multiple originals using ADF. For increasing productivity of ADF, creating correction data is done at a certain (3min) interval. If shade correcting data is not updated, original scanning level will change; affected from the light source brightness change; there for, variable will be corrected by scanning ADF's guide plate (white) from between originals. In an occasion of an unexpected malfunction and level correcting does not work, or background density disorderly changes among multiple scanned originals, and by changing setting these will improve; then temporarily set correction OFF. By setting interval shading OFF with SP4-351-001, even when ALC is set OFF, shading will be done each time, and will prevent density change when having level correction OFF.		

	BW	*ENG	[0 or 1 / **1** / 1/step] 0:OFF 1:ON(default)
002	Sets ON/OFF variable correction for Originals scanning level when continuously scanning multiple originals using ADF. For increasing productivity of ADF, creating correction data is done at a certain (3min) interval. If shade correcting data is not updated, original scanning level will change; affected from the light source brightness change; there for, variable will be corrected by scanning ADF's guide plate (white) from between originals. In an occasion of an unexpected malfunction and level correcting does not work, or background density disorderly changes among multiple scanned originals, and by changing setting those will improve; then temporarily set correction OFF. By setting interval shading OFF with SP4-351-001, even when ALC is set OFF, shading will be done each time, and will prevent density change when having level correction OFF.		

4850	**[PMW]**		
001	Latest	*ENG	[0 to 8191 / **0** / 1digit/step]
	Displays adjustment value of LED lighting duty (PWM) for LED light quantity adjustment. Reduces light quantity when CCD's output is overflowed from the amount of light, by adjusting LED light source lighting duty when scanner powers ON. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory Setting	*ENG	[0 to 8191 / **0** / 1digit/step]
	Displays factory adjustment value of LED lighting duty (PWM) for LED light quantity adjustment. Factory adjustment values are saved from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4851	**[LED White Level Peak Read]**

001	Latest:F:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/RED/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Latest:F:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/RED/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Latest:F:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/GREEN/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Latest:F:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/GREEN/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

005	Latest:F:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/BLUE/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
006	Latest:F:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (F side/BLUE/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
007	Latest:L:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/RED/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
008	Latest:L:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/RED/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

009	Latest:L:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/GREEN/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
010	Latest:L:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/GREEN/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
011	Latest:L:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/BLUE/EVEN Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
012	Latest:L:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Displays scanning values of White level peak (L side/BLUE/ODD Pixel) for LED light quantity adjustment. Scanning levels of White basis board will be displayed when scanner powers on and LED light source lighting duty (PWM) is adjusted. When LED light quantity does not complete, SC102-00 is given. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4852	**[LED White Level Peak Read]**		
001	Factory Setting:F:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/RED/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
002	Factory Setting:F:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/RED/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
003	Factory Setting:F:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/GREEN/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
004	Factory Setting:F:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/GREEN/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
005	Factory Setting:F:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/BLUE/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

006	Factory Setting:F:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (F side/BLUE/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
007	Factory Setting:L:RE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/RED/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
008	Factory Setting:L:RO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/RED/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
009	Factory Setting:L:GE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/GREEN/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
010	Factory Setting:L:GO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/GREEN/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

011	Factory Setting:L:BE	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/BLUE/EVEN) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		
012	Factory Setting:L:BO	*ENG	[0 to 1023 / **0** / 1digit/step]
	Display/Saves White level peak scanning value (L side/BLUE/ODD) for factory light quantity adjustment of LED. Factory scanning value for white level peak from main unit warranty process. Use for design evaluation, analyzing cause of malfunction (abnormal images, SC).		

4902	**[Disp ACC Data]**		
001	R_DATA1	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (R component) of scanner for AAC pattern (white background area)		
002	G_DATA1	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (G component) of scanner for AAC pattern (white background area)		
003	B_DATA1	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (B component) of scanner for AAC pattern (white background area)		
004	R_DATA2	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (R component) of scanner for AAC pattern (Cyan max. density area)		
005	G_DATA2	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (G component) of scanner for AAC pattern (Magenta max. density area)		

006	B_DATA3	*ENG	[0 to 255 / **0** / 1/step]
	Displays (0 to 255) scan value (B component) of scanner for AAC pattern (Yellow max. density area)		

4905	**[Select Gradation Level]**		
001	-	*ENG	[0 to 255 / **0** / 1/step]
	Sets when switching threshold matrix used for tone processing.		

4918	**[Man Gamma Adj]**		
009	-	ENG	[- / **-** / -] [Change]
	Sets total volume control value (0% to 400%) for photo area when copying with color mode (B/W).		

4930	**[Coverage Ctrl: Text]**		
001	Copy: Full Color 1	*ENG	[0 to 400 / **200** / 1/step]
	Sets total volume control value (0% to 400%) for photo area when copying with color mode (Monochrome/2 Colors).		
002	Copy: Full Color 2	*ENG	[0 to 400 / **200** / 1/step]
	Sets total volume control value (0% to 400%) for photo area when copying with other image output mode (Basically cancel total volume control).		
003	Copy: Single Color	*ENG	[0 to 400 / **100** / 1/step]
	-		
004	Copy: Color Conversion	*ENG	[0 to 400 / **180** / 1/step]
	-		
005	Coverage Ctrl OFF	*ENG	[0 to 400 / **400** / 1/step]
	-		

4931	**[Coverage Ctrl: Photo]**		
	-		
001	Copy: Full Color 1	*ENG	[0 to 400 / **240** / 1/step]
002	Copy: Full Color 2	*ENG	[0 to 400 / **260** / 1/step]
003	Copy: Single Color	*ENG	[0 to 400 / **100** / 1/step]
004	Copy: Color Conversion	*ENG	[0 to 400 / **200** / 1/step]
005	Coverage Ctrl OFF	*ENG	[0 to 400 / **400** / 1/step]

4948	**[ACC Execute Time:Present]**		
	-		
001	yy/mm/dd	*ENG	[- / **-** / -]
002	hh/mm/ss	*ENG	[- / **-** / -]

4949	**[ACC Execute Time:Previous]**		
	-		
001	yy/mm/dd	*ENG	[- / **-** / -]
002	hh/mm/ss	*ENG	[- / **-** / -]

4954	**[Read/Restore Std]**		
001	Read New Chart	ENG	[0 or 1 / **0** / 1/step]
	Sets scan settings (front side current value) of normal chart by run scanning.		
002	Recall Prev Chart	ENG	[0 or 1 / **0** / 1/step]
	Unset scan settings (front side current value) of normal chart.		
004	Set Std Chart	ENG	[0 or 1 / **0** / 1/step]
	Re-write scan settings (front side current value) of normal chart.		
005	Chromaticity Rank	*ENG	[0 to 255 / **0** / 1/step]
	Correct dispersion of scanner reading value among same models, based on the Color degree rank setting value of Scanner (front side). (Setting value0: Correction OFF)		

4958	**[Read/Restore Std: Rear]**		
001	Read New Chart	ENG	[0 or 1 / **0** / 1/step]
	Sets scan settings (Reverse side current value) of normal chart by run scanning.		
002	Recall Prev Chart	ENG	[0 or 1 / **0** / 1/step]
	Unset scan settings (Reverse side current value) of normal chart.		
004	Set Std Chart	ENG	[0 or 1 / **0** / 1/step]
	Re-write scan settings (Reverse side current value) of normal chart.		
005	Chromaticity Rank	*ENG	[0 to 255 / **0** / 1/step]
	Correct scattered scanning value among same models based on Color degree rank setting value of Scanner (Reverse side). (Setting value0: Correction OFF)		

4993	[High Light Correction]		
001	Sensitivity Selection	*ENG	[0 to 9 / **4** / 1/step] 0: Weak 9: Strong
	Sets detect sensitivity for full color auto density. Larger the value, weaker (less background tracking) the sensitivity.		
002	Range Selection	*ENG	[0 to 9 / **4** / 1/step] 0: Weak 9: Strong
	Sets detect area for full color auto density. Larger the value, wider the area.		

4994	[Adj Txt/Photo Recog Level]		
001	High Compression PDF	*ENG	[0 to 2 / **1** / 1/step]
	Adjusts the guide for recognize images text area and image area. Settings are 0: textish, 1: basic 2:imageish		

4996	[White Paper Detection Level]		
001	-	*ENG	[0 to 6 / **3** / 1/step]
	Sets blank paper detect level. Larger the value, easier detecting.		

MAIN SP TABLES-5

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
52 ~ 53	1/13/2014	SP5507-006 Supply/CC Alarm - Toner Collection Bottle Alarm

3. MAIN SP TABLES-5

3.1 SP5-009 TO 721 (MODE)

5009	**[Add Display Language]** Adds language available in user choice. (Only the languages registered in the machine) Refer to the displayed language list to set in the way showed below. List Number Assigned Bit Switch No.1 to 8 BIT1 to 8 (SP5009-201) No.9 to 16BIT1 to 8 (SP5009-202) No.17 to 24BIT1 to 8 (SP5009-203) No.25 to 32BIT1 to 8 (SP5009-204) Example: To add American(No.3 in the list) or Czech (No.15) Turn Bit 3 of “SP5009-201” 0 to 1 for American. Turn Bit 7 of “SP5009-202” 0 to 1 for Czech. After setting, turn the main power switch off and on to make the setting valid.		
201	1-8	*CTL	[1 to 255 / **00000000** / 1/step]
202	9-16	*CTL	[1 to 255 / **00000000** / 1/step]
203	17-24	*CTL	[1 to 255 / **00000000** / 1/step]
204	25-32	*CTL	[1 to 255 / **00000000** / 1/step]

5024	**[mm/inch Display Selection]** Display units (mm or inch) for custom paper sizes.		
001	0:mm 1:inch	*CTL	[0 or 1 / **0** / 1/step] 0: mm (Europe/Asia) 1: inch (USA)

5037	**[Status Lamp Mode]**		
001	Status Lamp Mode	*CTL	[0 or 1 / **1** / 1/step] 0: Off 1: On

5045	**[Accounting counter]**		
	Selects the counting method. Note ▪ The counting method can be changed only once, regardless of whether the counter value is negative or positive.		
001	Counter Method	*CTL	[0 or 3 / **0** / -] 0: Developments 1: Prints

5047	**[Paper Display]**		
	Turns on or off the printed paper display on the LCD.		
001	Backing Paper	*CTL	[0 or 1 / **0** / -] 0: OFF 1: ON

5051	**[TonerRefillDetectionDisplay]**		
	Enables or disables the toner refill detection display.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: ON 1: OFF

5055	**[Display IP Address]**		
	Display or does not display the IP address on the operation panel.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON

5061	[Toner Remaining Icon Display Change]		
	Display or does not display the remaining toner display icon on the LCD.		
001	-	*CTL	[0 or 1 / **0** / 1/step]

5062	[Part Replacement Alart Display]		
	-		
001	#PCDU:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
003	#Development Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
004	Developer:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
005	Developer Filter:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
008	#Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
009	Cleaning Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
010	Brush Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
011	Coating Bar:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

012	Apply Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
013	Joint:Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
014	Gear:Cleaning:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
017	#Charge Roller Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
018	Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
019	Charge Roller Cleaner:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
020	Gear:Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
021	#Photo Conductor:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
024	#PCDU:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
026	#Development Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
027	Developer:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

028	Developer Filter:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
031	#Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
032	Cleaning Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
033	Brush Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
034	Coating Bar:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
035	Apply Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
036	Joint:Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
037	Gear:Cleaning:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
040	#Charge Roller Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
041	Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
042	Charge Roller Cleaner:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

043	Gear:Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
044	#Photo Conductor:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
047	#PCDU:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
049	#Development Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
050	Developer:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
051	Developer Filter:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
054	#Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
055	Cleaning Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
056	Brush Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
057	Coating Bar:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
058	Apply Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

059	Joint:Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
060	Gear:Cleaning:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
063	#Charge Roller Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
064	Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
065	Charge Roller Cleaner:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
066	Gear:Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
067	#Photo Conductor:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
070	#PCDU:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
072	#Development Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
073	Developer:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
074	Developer Filter:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

077	#Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
078	Cleaning Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
079	Brush Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
080	Coating Bar:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
081	Apply Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
082	Joint:Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
083	Gear:Cleaning:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
086	#Charge Roller Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
087	Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
088	Charge Roller Cleaner:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
089	Gear:Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

090	#Photo Conductor:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
093	#ITB Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
094	ITB (Intermedediate Transfer Belt)	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
095	Transfer Roller:ITB:K	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
096	Transfer Roller:ITB:C	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
097	Transfer Roller:ITB:M	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
098	Transfer Roller:ITB:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
099	Paper Transfer:Backup Roller:ITB	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
102	#ITB Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
103	ITB Cleaning Blade	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
104	ITB Lubricant BrushRoller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

105	ITB Lubricant bar	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
106	ITB Lubricant blade	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
109	#PTR Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
110	Paper Transfer Discharge Plate	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
111	PTR (Paper Transfer Unit)	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
114	#Fusing Unit Assy	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
115	#Fusing Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
116	Fusing Belt	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
117	Hot Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
118	Pressure Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
119	Shaft Bearing:Press Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

120	Refresh Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
124	#Fusing Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
125	Cleaning Web	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
126	Web Cleaning Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
127	Web Brake Pad	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
130	#Filter:Main	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
131	Dust Filter:Large	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
132	Dust Filter:Small	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
133	Ozone Filter	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
134	Deodorant Filter:Large	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
135	Deodorant Filter:Small	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

142	Waste Toner Bottle	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
145	#Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
146	Pick-up Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
147	Feed Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
148	Separation Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
151	#Tray2 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
152	Pick-up Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
153	Feed Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
154	Separation Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
157	#Tray3 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
158	Pick-up Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

159	Feed Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
160	Separation Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
163	#Tray4 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
164	Pick-up Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
165	Feed Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
166	Separation Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
169	#By-pass Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
170	Pick-up Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
171	Feed Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
172	Separation Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
175	#A3_DLT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

176	Pick-up Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
177	Feed Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
178	Separation Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
181	#A4_LT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
182	Pick-up Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
183	Feed Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
184	Separation Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
187	#Inseter Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
188	Pick-up Roller:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
189	Feed Belt:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
190	Separation Roller:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

193	#Inseter Tray2 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
194	Pick-up Roller:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
195	Feed Belt:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
196	Separation Roller:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
199	#Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
200	Feed Belt:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
201	Separation Roller:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
202	Pick-up Roller:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
205	#ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
206	Feed Belt:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display
207	Separation Roller:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

208	Pick-up Roller:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

5066	**[PM Parts Display]**		
	-		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: No display 1: Display

5067	**[Part Replacement Operation type]**		
	-		
001	#PCDU:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
003	#Development Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
004	Developer:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
005	Developer Filter:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
008	#Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
009	Cleaning Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

010	Brush Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
011	Coating Bar:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
012	Apply Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
013	Joint:Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
014	Gear:Cleaning:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
017	#Charge Roller Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
018	Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
019	Charge Roller Cleaner:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
020	Gear:Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
021	#Photo Conductor:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
024	#PCDU:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

026	#Development Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
027	Developer:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
028	Developer Filter:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
031	#Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
032	Cleaning Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
033	Brush Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
034	Coating Bar:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
035	Apply Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
036	Joint:Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
037	Gear:Cleaning:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
040	#Charge Roller Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

041	Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
042	Charge Roller Cleaner:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
043	Gear:Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
044	#Photo Conductor:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
047	#PCDU:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
049	#Development Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
050	Developer:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
051	Developer Filter:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
054	#Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
055	Cleaning Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
056	Brush Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

057	Coating Bar:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
058	Apply Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
059	Joint:Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
060	Gear:Cleaning:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
063	#Charge Roller Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
064	Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
065	Charge Roller Cleaner:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
066	Gear:Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
067	#Photo Conductor:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
070	#PCDU:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
072	#Development Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

073	Developer:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
074	Developer Filter:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
077	#Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
078	Cleaning Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
079	Brush Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
080	Coating Bar:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
081	Apply Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
082	Joint:Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
083	Gear:Cleaning:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
086	#Charge Roller Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
087	Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

088	Charge Roller Cleaner:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
089	Gear:Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
090	#Photo Conductor:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
093	#ITB Unit	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
094	ITB (Intermedediate Transfer Belt)	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
095	Transfer Roller:ITB:K	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
096	Transfer Roller:ITB:C	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
097	Transfer Roller:ITB:M	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
098	Transfer Roller:ITB:Y	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
099	Paper Transfer:Backup Roller:ITB	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
102	#ITB Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

103	ITB Cleaning Blade	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
104	ITB Lubricant BrushRoller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
105	ITB Lubricant bar	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
106	ITB Lubricant blade	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
109	#PTR Unit	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
110	Paper Transfer Discharge Plate	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
111	PTR (Paper Transfer Unit)	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
114	#Fusing Unit Assy	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
115	#Fusing Unit	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
116	Fusing Belt	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
117	Hot Roller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

118	Pressure Roller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
119	Shaft Bearing:Press Roller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
120	Refresh Roller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
124	#Fusing Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
125	Cleaning Web	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
126	Web Cleaning Roller	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
127	Web Brake Pad	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
130	#Filter:Main	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
131	Dust Filter:Large	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
132	Dust Filter:Small	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
133	Ozone Filter	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

134	Deodorant Filter:Large	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
135	Deodorant Filter:Small	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
142	Waste Toner Bottle	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
145	#Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
146	Pick-up Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
147	Feed Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
148	Separation Roller:Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
151	#Tray2 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
152	Pick-up Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
153	Feed Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
154	Separation Roller:Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

157	#Tray3 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
158	Pick-up Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
159	Feed Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
160	Separation Roller:Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
163	#Tray4 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
164	Pick-up Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
165	Feed Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
166	Separation Roller:Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
169	#By-pass Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
170	Pick-up Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
171	Feed Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

172	Separation Roller:By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
175	#A3_DLT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
176	Pick-up Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
177	Feed Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
178	Separation Roller:A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
181	#A4_LT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
182	Pick-up Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
183	Feed Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
184	Separation Roller:A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
187	#Inseter Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
188	Pick-up Roller:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

189	Feed Belt:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
190	Separation Roller:Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
193	#Inseter Tray2 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
194	Pick-up Roller:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
195	Feed Belt:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
196	Separation Roller:Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
199	#Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
200	Feed Belt:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
201	Separation Roller:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
202	Pick-up Roller:Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
205	#ADF	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

206	Feed Belt:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
207	Separation Roller:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User
208	Pick-up Roller:ADF	*CTL	[0 or 1 / **0** / 1/step] 0: Service 1: User

5071	**[Set Bypass Paper Size Display]**		
	Turn on or off the paper size confirmation pop-up on the LED. This pop-up prevents mismatching between a paper size selected by the operation panel and an actual paper size on the by-pass tray.		
001	-	CTL	[0 or 1 / **0** / 1/step] 0: Off, 1: On

5073	**[Supply Part Replacement Opration Type]**		
	Selects ether User or Service manages supply parts.		
001	Waste Tonner Bottle	*CTL	[0 or 1 / **0** / 1/step] 0:No Display 1:Display

5074	**[Home Key Customization]**		
	Sets applications that appear on the operation panel when “home key” is pressed.		
002	Login Setting	*CTL	[FFh / **00000000** / 1hex/step] 0:On, 1:Off
050	Show Home Edit Menu	CTL	[0 or 2 / **0**/ 1 /step]

091	Function Setting	*CTL	[0 to 2 / **0** / 1/step] 0: Function disable 1: SDK application 2: Legacy application (reserved)
092	Product ID	*CTL	Sets the Application product ID. [0x00 to 0xFFFF FFFF / **0h** / 1/step]
093	Application Screen ID	*CTL	[0 to 255 / **0** / 1/step]
	Sets the display category of the application that is specified in the SP5075-001,002		

5075	**[USB Keyboard]**		
	Sets the function of the external keyboard.		
001	Function Setting	*CTL	[0 or 1 / **0** / 1/step] 0: Disable 1: Enable

5081	**[ServiceSP Entery Code Setting]**		
	DFU		
001	ServiceSP Entery Code Setting	-	-

5083	**[LED Light Switch Setting]**		
	Turns LED lighting ON and OFF at Toner Near End.		
001	Toner Near End	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON

5104	**[DoubleCount]** A3/DLT Double Count **(SSP)**		
	Specifies whether the counter is doubled for A3/DLT. "Yes" counts except from the bypass tray. When "Yes" is selected, A3 and DLT paper are counted twice, that is A4 x2 and LT x2 respectively.		
001	0: OFF 1: ON	*CTL	[0 or 1 / **1** / 1/step] 0: OFF, 1: ON
002	ManSizeNoFixExchangeOverA3 (D158/159)	*CTL	[0 or 1 / **0** / 1/step] 0: A4 (LT), 1: A3 (DLT)

5112	**[Non-Std. Paper Sel.]**		
	Selects On/Off to allow the setting of the custom size.		
001	(0:OFF 1:ON)	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON

5113	**[Optional Counter Type]**		
001	Default Optional Counter Type	*CTL	[0 to 9 / **0** / 1/step] 0: None 1: Key card (RK 3, 4) 2: Key card (down) 3: Prepaid card 4: Coin rack 5: MF key card 6: Coin Rack(Recommend) 8: Key counter + Vendor 9: Bar-code Printer
	This program specifies the counter type.		
002	External Optional Counter Type	*CTL	[0 to 3 / **0** / 1/step] 0: None 1: Expansion Device 1 2: Expansion Device 2 3: Expansion Device 3

	This program specifies the external counter type.

5114	**[Optional Counter I/F]**		
001	MF Key Card Extension	*CTL	[0 or 1 / **0** / 1/step] 0: Not installed 1: Installed (scanning accounting)

5118	**[Disable Copying]**		
	This program disables copying.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Not disabled 1: Disabled

5120	**[Mode Clear Opt. Counter Removal]**		
	This program updates the information on the optional counter. When you install or remove an optional counter, check the settings.		
001	0: Yes 1: Standby 2: No	*CTL	[0 to 2 / **0** / 1/step] 0: Yes (removed) 1: Standby (installed but not used) 2: No (not removed)

5121	**[Counter Up Timing]**		
	This program specifies when the counter goes up. The settings refer to “paper feed” and “paper exit” respectively.		
001	0:Feed 1:Exit	*CTL	[0 or 1 / **0** / 1/step] 0: Feed 1: Exit

5126	[Set F-size Document]		
	SP for assigning sizes for F-size document.		
001	-	*ENG	[0 to 2 / **0** / 1/step] 0: Judges as Foolscap 8 1/2"x13" size. (Default) 1: Judges as Folio 8 1/4"x13" size. 2: Judges as F 8"x13" size.

5127	[APS Mode]		
	This program disables the APS.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Not disabled 1: Disabled

5128	[Copy Mode With Key/Card Option]		
	-		
001	-	*CTL	[- / **0** / -]

5131	[Paper Size Type Selection]		
	The program selects a paper size system from the following alternatives: the AB system (0), the LT system (1), and the AF system (2).		
001	-	*ENG	[0 to 2 / **2** / 1/step] 0: DOM(Japan) 1: NA 2: EU

5150	**[Bypass Length Setting]**		
	Determines whether the transfer sheet from the by-pass tray is used or not. Normally the paper length for sub scanning paper from the by-pass tray is limited to 600 mm, but this can be extended with this SP to 1260 mm.		
001	0: OFF 1: ON	CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON

5162	**[App. Switch Method]**		
	Determines whether the application screen is switched with a hardware switch or software switch.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Soft Key Set 1: Hard Key Set

5165	**[Z-fold Position]**		
	Determines whether the application screen is switched with a hardware switch or software switch.		
001	A3T	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
002	B4T	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
003	A4T	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
004	DLTT	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
005	LGT	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
006	LTT	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
007	12x18	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]
008	Other	-	[2.0 to 25.0 / **2.0** / 0.1mm/step]

5166	**[Auto Delete Time]**

	Writes when successive cancellation is stopped or started, and indicates the time when Zoffy was lastly executed with being written in GMT (passing time from 1970/1/1 00:00:00 - current), 1 sec/step. Time correction for each local time format should be required.		
021	-	CTL	[0 to 4294967295 / **0** / 1]

5167	**[Fax Printing Mode at Optional Counter Off]**		
	Enables or disables the automatic print out without an accounting device. This SP is used when the receiving fax is accounted by an external accounting device.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Automatic printing 1: No automatic printing

5169	**[CE Login]**		
	If you will change the printer bit switches, you must 'log in' to service mode with this SP before you go into the printer SP mode.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Disabled 1: Enabled

5185	**[TCRU: Set Machine]**		
	▪ TCRU: Set Machine ▪ TCRU becomes intended when "On" is selected and Replacement Banner Display etc. switch.		
001	-	*ENG	[0 or 1 / **0 /** 1/step] 0:OFF 1:ON

5186	**[RK4]**		
	Enables or disables the prevention for RK4 (accounting device) disconnection. If the RK4 is disconnected for 10 seconds when this SP is set to "1 (Enable)", the machine automatically jams a sheet of paper.		
001	-	*ENG	[0 or 1 / **0** / 1/step] 0: Disable 1: Enable

5188	**[Copy Nv Version]**		
	Displays the version number of the NVRAM on the controller board.		
001	-	*CTL	[- / **-** / -]

5191	**[Mode Set]**		
	Shifts to the power save mode or not.		
001	Power Str Set	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON

5193	**[External Controller Info. Settings]**		
	External controler settings.		
001	-	CTL	[0 to 10 / **0** / 1/step] 0: External Controller is not installed 1: EFI, 2: Ratio, 3: Egret 4: GJ, 5:Creo, 6: QX-100 7: Kurofune 8~10: Reserved

5195	**[Limitless SW]**		
	Switches productivity precede limit less feed and use paper up limit less feed.		
001	-	*CTL	[0 or 1 / **0** / 1/step] 0: Productivity Precede 1: Use paper up

5196	**[Copier Vendor Mode]**		
	-		
001	90 deg. Rotation	CTL	[- / **-** / -]
002	Color and Tray Selection	CTL	[- / **-** / -]

5199	**[Paper Exit After Staple End]**		
	Enables or disables the paper feeding out from the finisher without stapling. ▪ If this setting is "1: ON", paper is fed out without stapling at the maximum number of the finisher stapling when the machine gets a multiple printing job (over maximum number). ▪ If this setting is "0: OFF", paper is fed out with stapling at the maximum number of the finisher stapling when the machine gets a multiple printing job (over maximum number).		
001	0: OFF 1: ON	CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON

5212	**[Page Numbering]**		
	This program adjusts the position of the second side page numbers. ▪ "- value" moves the page number positions to the left edge. ▪ "+ value" moves the page number positions to the right edge.		
003	Duplex Printout Right/Left Position	*CTL	[-10 to 10 / **0** / 1mm/step]
004	Duplex Printout High/Low Position	*CTL	[-10 to 10 / **0** / 1mm/step]

5227	**[Page Numbering]**		
201	Allow Page No. Entry	*CTL	[2 to 9 / **9** / 1/step]
	Specify max. digits for “Job serial numbering start number” of optical text print.		
202	Zero Surplus Stting	*CTL	[0 or 1 / **0** / 1/step] 0:OFF 1:ON
	Specify zero suppress for “Job serial numbering start number” of optical text print.		

5302	**[Set Time]**		
	Adjusts the RTC (real time clock) time setting for the local time zone. Examples: For Japan (+9 GMT), enter 540 (9 hours x 60 min.) DOM: +540 (Tokyo) NA: -300 (New York) EU: + 60 (Paris) CH: +480 (Peking) TW: +480 (Taipei) AS: +480 (Hong Kong)		
002	Time Difference	*CTL	[-1440 to 1440 / **60** / 1min./step]

5305	**[Auto Off Set]**		
101	Auto Off Limit Set	*CTL	[0 or 1 / **0** / 1/step]

5307	**[Daylight Saving Time]**		
001	Setting	*CTL	[0 to 1 / **1** / 1/step] 0: Disabled 1: Enabled (Default) 1: NA and EUR 0: ASIA and others

	Enables or disables the summer time mode. Note ▪ Make sure that both SP5-307-3 and -4 are correctly set. Otherwise, this SP is not activated even if this SP is set to "1".		
003	Rule Set(Start)	*CTL	[0 to 0xffffffff / **3500010h** / 1hex/step]
	Specifies the start setting for the summer time mode. There are 8 digits in this SP. For months 1 to 9, the "0" cannot be input in the first digit, so the eight-digit setting for -2 or -3 becomes a seven-digit setting. 1st and 2nd digits: The month. [1 to 12] 3rd digit: The week of the month. [1 to 5] 4th digit: The day of the week. [0 to 6 = Sunday to Saturday] 5th and 6th digits: The hour. [00 to 23] 7th digit: The length of the advanced time. [0 to 9 / 1 hour /step] 8th digit: The length of the advanced time. [0 to 5 / 10 minutes /step] ▪ The digits are counted from the left. ▪ Make sure that SP5-307-1 is set to "1".		
	For example: 3500010 (EU default) The timer is advanced by 1 hour at am 0:00 on the 5th Sunday in March		
004	Rule Set(End)	*CTL	[0 to 0xffffffff / **10500100h** / 1hex/step]
	Specifies the end setting for the summer time mode. There are 8 digits in this SP. 1st and 2nd digits: The month. [1 to 12] 3rd digit: The week of the month. [0 to 5] 4th digit: The day of the week. [0 to 7 = Sunday to Saturday] 5th and 6th digits: The hour. [00 to 23] The 7th and 8 digits must be set to "00". ▪ The digits are counted from the left. ▪ Make sure that SP5-307-1 is set to "1".		

5401	**[Access Control]**		
103	Default Document ACL	*CTL	[0 to 3 / **0** / 1/step] 0: Read Only 1: Edit 2: Edit/Delete 3: Full control
104	Authentication Time	*CTL	[1 to 255 / **0** / 1sec/step] 0: 60 seconds 1 to 250 seconds
	Specifies the timeout of the authentication.		
162	ExtAuth Detail	*CTL	[- / **0x00** / 0x01/step]
	Selects the log out type for the extend authentication device. Bit 0: Log-out without an IC card 0: Not allowed (default) 1: Allowed		
200	SDK1 UniqueID	*CTL	[0 to 0xffffffff / **0** / 1/step]
201	SDK1 Certification Method	*CTL	[0 to 0xff / **0** / 1/step]
210	SDK2 UniqueID	*CTL	[0 to 0xffffffff / **0** / 1/step]
211	SDK2 Certification Method	*CTL	[0 to 0xff / **0** / 1 / step]
220	SDK3 UniqueID	*CTL	[0 to 0xffffffff / **0** / 1/step]
221	SDK3 Certification Method	*CTL	[0 to 0xff / **0** / 1/step]
230	SDK Certification Device	*CTL	[- / **0** / -] 0-1: SDK authentication available 0-0: Disable all functions 1-1: SKB Display 1-0: Disable 2-1: Administrator login 2-0: Disable 3~7-0: Reserved (set “0” only)

240	Detail Option	*CTL	[0 to 7 / **0x00** / 0x01/step]
	0: Logout confirm option -1: ON, 0: OFF 2 to 1: Auto-logout timer(retry timer) -11: 30sec, 10: 20sec, 01: 10sec, 00: 60sec 3: personal authority / Group authority and operation -1: ON, 0: OFF 4: Skip password entry -1: ON, 0: OFF 5: Set the display of the remaining Frequence -1: ON, 0: OFF 6 to 7: Set the display time -1: ON, 0: OFF		

5402	**[Access Control]**		
101	SDKJ1 Limit Setting	*CTL	[/ **0x00** / 0x01/step] bit0: SDKJ Authentication -0: Panel Type -1: Remote Type bit1: Using user code setup -0: OFF, 1: ON bit2: Using key-counter setup -0: OFF, 1: ON bit3: Using external billing device setup -0: OFF, 1: ON bit4: Using extended external billing device setup -0: OFF, 1: ON bit5~6: Not used bit7: Using extended function J limit users -0: OFF, 1: ON
102	SDKJ2 Limit Setting	*CTL	
103	SDKJ3 Limit Setting	*CTL	
104	SDKJ4 Limit Setting	*CTL	
105	SDKJ5 Limit Setting	*CTL	
106	SDKJ6 Limit Setting	*CTL	
107	SDKJ7 Limit Setting	*CTL	
108	SDKJ8 Limit Setting	*CTL	
109	SDKJ9 Limit Setting	*CTL	
110	SDKJ10 Limit Setting	*CTL	

111	SDKJ11 Limit Setting	*CTL	[/ **0x00** / 0x01/step] bit0: SDKJ Authentication -0: Panel Type -1: Remote Type bit1: Using user code setup -0: OFF, 1: ON bit2: Using key-counter setup -0: OFF, 1: ON bit3: Using external billing device setup -0: OFF, 1: ON bit4: Using extended external billing device setup -0: OFF, 1: ON bit5~6: Not used bit7: Using extended function J limit users -0: OFF, 1: ON
112	SDKJ12 Limit Setting	*CTL	
113	SDKJ13 Limit Setting	*CTL	
114	SDKJ14 Limit Setting	*CTL	
115	SDKJ15 Limit Setting	*CTL	
116	SDKJ16 Limit Setting	*CTL	
117	SDKJ17 Limit Setting	*CTL	
118	SDKJ18 Limit Setting	*CTL	
119	SDKJ19 Limit Setting	*CTL	
120	SDKJ20 Limit Setting	*CTL	
121	SDKJ21 Limit Setting	*CTL	[/ **0x00** / 0x01/step] bit0: SDKJ Authentication -0: Panel Type -1: Remote Type bit1: Using user code setup -0: OFF, 1: ON bit2: Using key-counter setup -0: OFF, 1: ON bit3: Using external billing device setup -0: OFF, 1: ON bit4: Using extended external billing device setup -0: OFF, 1: ON bit5~6: Not used bit7: Using extended function J limit users -0: OFF, 1: ON
122	SDKJ22 Limit Setting	*CTL	
123	SDKJ23 Limit Setting	*CTL	
124	SDKJ24 Limit Setting	*CTL	
125	SDKJ25 Limit Setting	*CTL	
126	SDKJ26 Limit Setting	*CTL	
127	SDKJ27 Limit Setting	*CTL	
128	SDKJ28 Limit Setting	*CTL	
129	SDKJ29 Limit Setting	*CTL	
130	SDKJ30 Limit Setting	*CTL	

5402	**[Access Control]**		
	Sets limited uses for SDKJ application data.		
141	SDKJ1 ProductID	*CTL	[0 to 0xffffffff / **0** / 1/step]
142	SDKJ2 ProductID	*CTL	
143	SDKJ3 ProductID	*CTL	
144	SDKJ4 ProductID	*CTL	
145	SDKJ5 ProductID	*CTL	
146	SDKJ6 ProductID	*CTL	
147	SDKJ7 ProductID	*CTL	
148	SDKJ8 ProductID	*CTL	
149	SDKJ9 ProductID	*CTL	
150	SDKJ10 ProductID	*CTL	
151	SDKJ11 ProductID	*CTL	
152	SDKJ12 ProductID	*CTL	
153	SDKJ13 ProductID	*CTL	
154	SDKJ14 ProductID	*CTL	
155	SDKJ15 ProductID	*CTL	[0 to 0xffffffff / **0** / 1/step]
156	SDKJ16 ProductID	*CTL	
157	SDKJ17 ProductID	*CTL	
158	SDKJ18 ProductID	*CTL	
159	SDKJ19 ProductID	*CTL	
160	SDKJ20 ProductID	*CTL	
161	SDKJ21 ProductID	*CTL	
162	SDKJ22 ProductID	*CTL	
163	SDKJ23 ProductID	*CTL	

164	SDKJ24 ProductID	*CTL	
165	SDKJ25 ProductID	*CTL	
166	SDKJ26 ProductID	*CTL	
167	SDKJ27 ProductID	*CTL	
168	SDKJ28 ProductID	*CTL	
169	SDKJ29 ProductID	*CTL	
170	SDKJ30 ProductID	*CTL	

5404	**[User Code Count Clear]**		
004	-	-	[- / **-** / -] [Execute]
	-		

5411	**[LDAP-Certification]**		
004	Simplified Authentication	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON
	Turns simple authentication on or off for LDAP.		
005	Password Null Not Permit	*CTL	[0 or 1 / **1** / -] 0: Password NULL permitted. 1: Password NULL not permitted.
	This SP is referenced only when SP5411-4 is set to "1" (On).		
006	Detail Option	*CTL	[- / **0x00** / 0x01/step] Bit0 0: OFF, 1: ON
	Determines whether LDAP option (anonymous certification) is turned on or off.		

5412	**[Krb-Certification]**		
	Sets the level of Kerberos Certification.		
100	Encrypt Mode	*CTL	[0x01 to 0xFF / **11111111** / 1bit/step] 0x01:AES256-CTS-HMAC-SHA1-96 0x02:AES128-CTS-HMAC-SHA1-96 0x04:DES3-CBC-SHA1 0x08:RC4-HMAC 0x10:DES-CBC-MD5 0xFF(0x1F):ALL

5413	**[Lockout Setting]**		
001	Lockout On/Off	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON
	Switches on/off the lock on the local address book account.		
002	Lockout Threshold	*CTL	[1 to 10 / **5** / 1time/step]
	Sets a limit on the frequency of lockouts for account lockouts.		
003	Cancellation On/Off	*CTL	[0 or 1 / **0** / 1/step] 0: OFF (lockout not cancelled) 1: ON (system waits, cancels lockout if correct user ID and password are entered)
	Determines whether the system waits the prescribed time for input of a correct user ID and password after an account lockout has occurred.		
004	Cancelation Time	*CTL	[1 to 9999 / **60** / 1min./step]
	Determines the length of time that the system waits for correct input of the user ID and password after a lockout has occurred. This setting is used only if SP5413-3 is set to "1" (on).		

5414	[Access Mitigation]		
001	Mitigation On/Off	*CTL	[0 or 1 / **0** / 1/step] 0: OFF, 1: ON
	Switches on/off masking of continuously used IDs and passwords that are identical.		
002	Mitigation Time	*CTL	[0 to 60 / **15** / 1min./step]
	Sets the length of time for excluding continuous access for identical user IDs and passwords.		

5415	[Password Attack]		
001	Permissible Number	*CTL	[0 to 100 / **30** / 1 time/step]
	Sets the threshold number of attempts to attack the system with random passwords to gain illegal access to the system.		
002	Detect Time	*CTL	[1 to 10 / **5** / 1sec/step]
	Sets a detection time to count a password attack.		

5416	[Access Information]		
001	Access User Max Num	*CTL	[50 to 200 / **200** / 1 users/step]
	Limits the number of users used by the access exclusion and password attack detection functions.		
002	Access Password Max Num	*CTL	[50 to 200 / **200** / 1/step]
	Limits the number of passwords used by the access exclusion and password attack detection functions.		
003	Monitor Interval	*CTL	[1 to 10 / **3** / 1 sec/step]
	Sets the processing time interval for referencing user ID and password information.		

5417	**[Access Attack]**		
001	Access Permissible Number	*CTL	[0 to 500 / **100** / 1time/step]
	Sets a limit on access attempts when an excessive number of attempts are detected for MFP features.		
002	Attack Detect Time	*CTL	[10 to 30 / **10** / 1sec/step]
	Sets the length of time for monitoring the frequency of access to MFP features.		
003	Productivity Fall Waite	*CTL	[0 to 9 / **3** / 1sec/step]
	Sets the wait time to slow down the speed of certification when an excessive number of access attempts have been detected.		
004	Attack Max Num	*CTL	[50 to 200 / **200** / 1/step]
	Sets a limit on the number of requests received for certification in order to slow down the certification speed when an excessive number of access attempts have been detected.		

5420	**[User Authentication]**		
	These settings should be done with the System Administrator. Note ▪ These functions are enabled only after the user access feature has been enabled.		
001	Copy	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the copy applications.		
002	Color Security Setting	*CTL	-
011	DocumentServer	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the document server.		

021	Fax	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the fax application.		
031	Scanner	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the scan applications.		
041	Printer	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the printer applications.		
051	SDK1	*CTL	Determines whether certification is required before a user can use the SDK application. [0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
061	SDK2	*CTL	
071	SDK3	*CTL	
081	Browser	*CTL	[0 or 1 / **0** / 1/step] 0: Authentication ON 1: Authentication OFF
	Determines whether certification is required before a user can use the Browser application.		

5430	**[Auth Dialog Message Change]**		
	Displays the Authentication dialog message or not.		
001	Message Change On/Off	*CTL	[0 or 1 / **0** / 1/step]
	Turns on or off the displayed message change for the authentication.		

002	Message Text Download	CTL	[- / **-** / -] [Execute]
	Executes the message download for the authentication.		
003	Message Text ID	CTL	[characters(max.16Byte) / **¥0** /-]
	Inputs message text for the authentication.		

5431	**[External Auth User Preset]**		
010	Tag	*CTL	[0 or 1 / **1** / 1/step] 0: Not permit, 1: Permit
011	Entry	*CTL	
012	Group	*CTL	
020	Mail	*CTL	
030	Fax	*CTL	
031	FaxSub	*CTL	
032	Folder	*CTL	
033	ProtectCode	*CTL	
034	SmtpAuth	*CTL	
035	LdapAuth	*CTL	
036	Smb Ftp Fldr Auth	*CTL	
037	AcntAcl	*CTL	
038	DocumentAcl	*CTL	
040	CertCrypt	*CTL	
050	UserLimitCount	*CTL	

5481	**[Authentication Error Code]**		
	These SP codes determine how the authentication failures are displayed.		
001	System Log Disp	*CTL	[0 or 1 / **0** / 1/step] 0: Display OFF 1: Display ON
	Determines whether an error code appears in the system log after a user authentication failure occurs.		
002	Panel Disp	*CTL	[0 or 1 / **1** / 1/step] 0: Display OFF 1: Display ON
	Determines whether an error code appears on the operation panel after a user authentication failure occurs.		

5490	**[MF KeyCard]**		
	Sets up operation of the machine with a keycard.		
001	Job Permit Setting	*CTL	[0 or 1 / **0** / 1/step] 0: Disabled. Cancels operation without a user code. 1: Enabled. Allows operation without a user code.
002	Count Mode Setting	*CTL	[- / **-** / -]

5491	**[Optional Counter]**		
001	Detail Option	*CTL	[- / **0x00** / 0x01/step] bit0: Forced Job Canceling -1:Yes, 2: No

5501	[PM Alarm]		
001	PM Alarm Level	*CTL	[0 to 9999 / **0** / 1/step] 0: Alarm off 1 to 9999: Alarm goes off when Value (1 to 9999) x 1000 > PM counter

5504	[Jam Alarm]		
001	-	*CTL	[0 to 3 / **3** / 1/step] 0: Zero (Off) 1: Low (2.5K jams) 2: Medium (3K jams) 3: High (6K jams)
	Sets the alarm to sound for the specified jam level (document miss feeds are not included).		

5505	[Error Alarm]		
	Sets the error alarm level. The error alarm counter counts "1" when any SC is detected. However, the error alarm counter decreases by "1" when an SC is not detected during a set number of copied sheets (for example, default 700 sheets). The error alarm occurs when the SC error alarm counter reaches "5".		
001	Error Alarm	*CTL	[0 to 255 / **19** / 1hundred/step] 0: Alarm Off

5507	**[Supply/CC Alarm]**		
	Enables or disables the notifying a supply call via the @Remote.		
001	Paper Supply Alarm	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON
002	Staple Supply Alarm	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON
003	Toner Supply Alarm	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON
	If you select "1" the alarm will sound when the copier detects toner end.		
⇒ 006	Toner Collection Bottle Alarm	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: Supply call enabled 2: CC call enabled
080	Toner Call Timing	*CTL	Changes the timing of the "Toner Supply Call" via the @Remote, when the following conditions occur. [0 or 1 / **0** / 1/step] 0: At replacement 1: AtLessThanThresh
081	Toner Call Threshold	*CTL	[10 or 90 / **50** / 10%/step]
128	Interval :Others	*CTL	[250 to 10000 / **1000** / 1page/step] The "Paper Supply Call Level: nn" SPs specify the paper control call interval for the referenced paper sizes.
132	Interval :A3	*CTL	
133	Interval :A4	*CTL	
134	Interval :A5	*CTL	
141	Interval :B4	*CTL	
142	Interval :B5	*CTL	

160	Interval :DLT	*CTL	
164	Interval :LG	*CTL	
166	Interval :LT	*CTL	
172	Interval :HLT	*CTL	

5508	**[CC Call]**		
001	Jam Remains	*CTL	[0 or 1 / **1** / 1/step] 0: Disable, 1: Enable
002	Continuous Jams	*CTL	[0 or 1 / **1** / 1/step] 0: Disable, 1: Enable
	Enables/disables initiating a call for consecutive paper jams.		
003	Continuous Door Open	*CTL	[0 or 1 / **1** / 1/step] 0: Disable, 1: Enable
	Enables/disables initiating a call when the front door remains open.		
011	Jam Detection: Time Length	*CTL	[3 to 30 / **10** / 1min./step]
	Sets the time a jam must remain before it becomes an “unattended paper jam”. This setting is enabled only when SP5508-004 is set to "1".		
012	Jam Detection: Continuous Count	*CTL	[2 to 10 / **5** / 1time/step]
	Sets the number of consecutive paper jams required to initiate a call. This setting is enabled only when SP5508-004 is set to "1".		
013	Door Open: Time Length	*CTL	[3 to 30 / **10** / 1min./step]
	Sets the length of time the door remains open before the machine initiates a call. This setting is enabled only when SP5-508-004 is set to "1".		

5513	**[PartsAlermlevelCount]**		
001	Normal	*CTL	[1 to 9999 / **300** / 1 K]
	Call in at the point that the counter of “PM Parts Counter Display: Normal (SP7-617-001)” reaches this level (K).		
002	Df	*CTL	[1 to 9999 / **300** / 1 K]
	Call in at the point that the counter of “PM Parts Counter Display: Df (SP7-617-002)” reaches this level (K).		

5514	**[PartsAlermlev]**		
001	Nomal	*CTL	[0 or 1 / **1**/ 1 /step]
002	Df	*CTL	[0 or 1 / **0**/ 1 /step]
	Sets ON/OFF (Call in or not) of DF paper feed guide.		

5515	**[SC/Alarm Setting]**		
	With @Remote in use, these SP codes can be set to issue an SC call when an SC error occurs. If this SP is switched off, the SC call is not issued when an SC error occurs.		
001	SC Call	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON
002	Service Parts Near End Call	*CTL	
003	Service Parts End Call	*CTL	
004	User Call	*CTL	
006	Communication Test Call	*CTL	
007	Machine Information Notice	*CTL	
008	Alarm Notice	*CTL	
009	Non Genuine Tonner Ararm	*CTL	
010	Supply Automatic Ordering Call	*CTL	

011	Supply Management Report Call	*CTL	
012	Jam/Door Open Call	*CTL	

5516	**[Individual PM Part Alarm Call]**		
	With @Remote in use, these SP codes can be set to issue a PM alarm call when one of SP parts reaches its yield.		
001	Disable/Enable Setting (0:Not Send,1:Send)	*CTL	[0 or 1 / **1** / -] 0: Not send 1: Send
004	Percent yield for triggering PM alert	*CTL	[1 to 255 / **75** / 1 %/step]

5517	**[-]**		
001	-	*CTL	[0 or 1 / **0**/ 1 /step]
	Calls in each time sheets are printed the amout total counter (SP8-581-001) provides. Pages to call in can be set with SP5-517-002: Malfunction predicting alarm: Calling in sheets interval.		
002	-	*CTL	[10 to 255 / **10**/ 1 /step]
	Sets interval of pages to call in for Malfunction predicting alarm. Calls in when total counter reaches multiple sheets of (this SP's value *100)		
5517	**[Get Machine Information]**		
021	GeCustomPprInfo:RetryInterval	*CTL	[10 to 255 / **10** / 1min/step]
	When ID info collect is interrupt, retries during the time between receving Request for obtaining custom paper info, to value set with this setting.		
031	Get SMC Info Retry Internal	*CTL	[10 to 255 / **10** / 1min/step]
	When SMC info collect is interrupt, retries during the time between receving Request for obtaining SMC info, to value set with this setting.		

5610	[Base Gamma Ctrl Pt: Execute]		
004	Factory Setting	*ENG	[0 or 1 / **0** / 1/step]
	Recalls the factory settings.		
005	Restore	*ENG	[0 or 1 / **0** / 1/step]
	Overwrites the current values onto the factory settings.		
006	Restore	*ENG	[0 or 1 / **0** / 1/step]
	Recalls the previous settings.		

5611	[Toner Color in 2C]		
001	B-C	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (C component) ranging from 0 (%) to 128 (%) when Standard Color (Blue) is set in Single Color (No correction).		
002	B-M	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (M component) ranging from 0 (%) to 128 (%) when Standard Color (Blue) is set in Single Color (No correction).		
003	G-C	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (C component) ranging from 0 (%) to 128 (%) when Standard Color (Green) is set in Single Color (No correction).		
004	G-Y	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (Y component) ranging from 0 (%) to 128 (%) when Standard Color (Green) is set in Single Color (No correction).		
005	R-M	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (M component) ranging from 0 (%) to 128 (%) when Standard Color (Red) is set in Single Color (No correction).		

006	R-Y	*ENG	[0 to 128 / **100** / 1 /step] 128: Darkest density
	Adjusts the output color (Y component) ranging from 0 (%) to 128 (%) when Standard Color (Red) is set in Single Color (No correction).		

5618	**[Color Mode Display Selection]**		
001	-	*CTL	[0 or 1 / **1** / 1/step] 0: ACS, Color, Black & White, Two Colors, Single colour 1: ACD, Full Color, Black & White
	Selects the color selection display on the LCD.		

5710	**[Custom Setting Paper]**		
001	Bypass	*CTL	[0 to 100 / **0** / 1/step]
002	Tray 1	*CTL	[0 to 100 / **0** / 1/step]
003	Tray 2	*CTL	[0 to 100 / **0** / 1/step]
004	Tray 3	*CTL	[0 to 100 / **0** / 1/step]
005	Tray 4	*CTL	[0 to 100 / **0** / 1/step]
006	Tray 5	*CTL	[0 to 100 / **0** / 1/step]
007	Tray 6	*CTL	[0 to 100 / **0** / 1/step]
008	Tray 7	*CTL	[0 to 100 / **0** / 1/step]

5711	**[Custom Setting Paper: Data Setting]**		
001	Standard Paper Data UpLoad	*CTL	[- / **-** / -] [Execute]
002	Custom Paper Data UpLoad	*CTL	[- / **-** / -] [Execute]
102	Custom Paper Data Download	*CTL	[- / **-** / -] [Execute]

201	Standard Paper Data Ver.(Flash)	*CTL	[- / - / -] [Execute]
202	Standard Paper Data Ver.(SD Card)	*CTL	[- / - / -] [Execute]

5715	**[Custom Paper: Thick]**		
001	ID1	CTL	[0 to 7 / **1** / 1/step]
002	ID2	CTL	[0 to 7 / **1** / 1/step]
003	ID3	CTL	[0 to 7 / **1** / 1/step]
004	ID4	CTL	[0 to 7 / **1** / 1/step]
005	ID5	CTL	[0 to 7 / **1** / 1/step]
006	ID6	CTL	[0 to 7 / **1** / 1/step]
007	ID7	CTL	[0 to 7 / **1** / 1/step]
008	ID8	CTL	[0 to 7 / **1** / 1/step]
009	ID9	CTL	[0 to 7 / **1** / 1/step]
010	ID10	CTL	[0 to 7 / **1** / 1/step]
011	ID11	CTL	[0 to 7 / **1** / 1/step]
012	ID12	CTL	[0 to 7 / **1** / 1/step]
013	ID13	CTL	[0 to 7 / **1** / 1/step]
014	ID14	CTL	[0 to 7 / **1** / 1/step]
015	ID15	CTL	[0 to 7 / **1** / 1/step]
016	ID16	CTL	[0 to 7 / **1** / 1/step]
017	ID17	CTL	[0 to 7 / **1** / 1/step]
018	ID18	CTL	[0 to 7 / **1** / 1/step]
019	ID19	CTL	[0 to 7 / **1** / 1/step]
020	ID20	CTL	[0 to 7 / **1** / 1/step]
021	ID21	CTL	[0 to 7 / **1** / 1/step]

022	ID22	CTL	[0 to 7 / **1** / 1/step]
023	ID23	CTL	[0 to 7 / **1** / 1/step]
024	ID24	CTL	[0 to 7 / **1** / 1/step]
025	ID25	CTL	[0 to 7 / **1** / 1/step]
026	ID26	CTL	[0 to 7 / **1** / 1/step]
027	ID27	CTL	[0 to 7 / **1** / 1/step]
028	ID28	CTL	[0 to 7 / **1** / 1/step]
029	ID29	CTL	[0 to 7 / **1** / 1/step]
030	ID30	CTL	[0 to 7 / **1** / 1/step]
031	ID31	CTL	[0 to 7 / **1** / 1/step]
032	ID32	CTL	[0 to 7 / **1** / 1/step]
033	ID33	CTL	[0 to 7 / **1** / 1/step]
034	ID34	CTL	[0 to 7 / **1** / 1/step]
035	ID35	CTL	[0 to 7 / **1** / 1/step]
036	ID36	CTL	[0 to 7 / **1** / 1/step]
037	ID37	CTL	[0 to 7 / **1** / 1/step]
038	ID38	CTL	[0 to 7 / **1** / 1/step]
039	ID39	CTL	[0 to 7 / **1** / 1/step]
040	ID40	CTL	[0 to 7 / **1** / 1/step]
041	ID41	CTL	[0 to 7 / **1** / 1/step]
042	ID42	CTL	[0 to 7 / **1** / 1/step]
043	ID43	CTL	[0 to 7 / **1** / 1/step]
044	ID44	CTL	[0 to 7 / **1** / 1/step]
045	ID45	CTL	[0 to 7 / **1** / 1/step]
046	ID46	CTL	[0 to 7 / **1** / 1/step]
047	ID47	CTL	[0 to 7 / **1** / 1/step]

048	ID48	CTL	[0 to 7 / **1** / 1/step]
049	ID49	CTL	[0 to 7 / **1** / 1/step]
050	ID50	CTL	[0 to 7 / **1** / 1/step]
051	ID51	CTL	[0 to 7 / **1** / 1/step]
052	ID52	CTL	[0 to 7 / **1** / 1/step]
053	ID53	CTL	[0 to 7 / **1** / 1/step]
054	ID54	CTL	[0 to 7 / **1** / 1/step]
055	ID55	CTL	[0 to 7 / **1** / 1/step]
056	ID56	CTL	[0 to 7 / **1** / 1/step]
057	ID57	CTL	[0 to 7 / **1** / 1/step]
058	ID58	CTL	[0 to 7 / **1** / 1/step]
059	ID59	CTL	[0 to 7 / **1** / 1/step]
060	ID60	CTL	[0 to 7 / **1** / 1/step]
061	ID61	CTL	[0 to 7 / **1** / 1/step]
062	ID62	CTL	[0 to 7 / **1** / 1/step]
063	ID63	CTL	[0 to 7 / **1** / 1/step]
064	ID64	CTL	[0 to 7 / **1** / 1/step]
065	ID65	CTL	[0 to 7 / **1** / 1/step]
066	ID66	CTL	[0 to 7 / **1** / 1/step]
067	ID67	CTL	[0 to 7 / **1** / 1/step]
068	ID68	CTL	[0 to 7 / **1** / 1/step]
069	ID69	CTL	[0 to 7 / **1** / 1/step]
070	ID70	CTL	[0 to 7 / **1** / 1/step]
071	ID71	CTL	[0 to 7 / **1** / 1/step]
072	ID72	CTL	[0 to 7 / **1** / 1/step]
073	ID73	CTL	[0 to 7 / **1** / 1/step]

074	ID74	CTL	[0 to 7 / **1** / 1/step]
075	ID75	CTL	[0 to 7 / **1** / 1/step]
076	ID76	CTL	[0 to 7 / **1** / 1/step]
077	ID77	CTL	[0 to 7 / **1** / 1/step]
078	ID78	CTL	[0 to 7 / **1** / 1/step]
079	ID79	CTL	[0 to 7 / **1** / 1/step]
080	ID80	CTL	[0 to 7 / **1** / 1/step]
081	ID81	CTL	[0 to 7 / **1** / 1/step]
082	ID82	CTL	[0 to 7 / **1** / 1/step]
083	ID83	CTL	[0 to 7 / **1** / 1/step]
084	ID84	CTL	[0 to 7 / **1** / 1/step]
085	ID85	CTL	[0 to 7 / **1** / 1/step]
086	ID86	CTL	[0 to 7 / **1** / 1/step]
087	ID87	CTL	[0 to 7 / **1** / 1/step]
088	ID88	CTL	[0 to 7 / **1** / 1/step]
089	ID89	CTL	[0 to 7 / **1** / 1/step]
090	ID90	CTL	[0 to 7 / **1** / 1/step]
091	ID91	CTL	[0 to 7 / **1** / 1/step]
092	ID92	CTL	[0 to 7 / **1** / 1/step]
093	ID93	CTL	[0 to 7 / **1** / 1/step]
094	ID94	CTL	[0 to 7 / **1** / 1/step]
095	ID95	CTL	[0 to 7 / **1** / 1/step]
096	ID96	CTL	[0 to 7 / **1** / 1/step]
097	ID97	CTL	[0 to 7 / **1** / 1/step]
098	ID98	CTL	[0 to 7 / **1** / 1/step]
099	ID99	CTL	[0 to 7 / **1** / 1/step]

100	ID100	CTL	[0 to 7 / **1** / 1/step]

5716	**[Custom Paper: Thin]**		
001	ID1	CTL	[0 to 2 / **1** / 1/step]
002	ID2	CTL	[0 to 2 / **1** / 1/step]
003	ID3	CTL	[0 to 2 / **1** / 1/step]
004	ID4	CTL	[0 to 2 / **1** / 1/step]
005	ID5	CTL	[0 to 2 / **1** / 1/step]
006	ID6	CTL	[0 to 2 / **1** / 1/step]
007	ID7	CTL	[0 to 2 / **1** / 1/step]
008	ID8	CTL	[0 to 2 / **1** / 1/step]
009	ID9	CTL	[0 to 2 / **1** / 1/step]
010	ID10	CTL	[0 to 2 / **1** / 1/step]
011	ID11	CTL	[0 to 2 / **1** / 1/step]
012	ID12	CTL	[0 to 2 / **1** / 1/step]
013	ID13	CTL	[0 to 2 / **1** / 1/step]
014	ID14	CTL	[0 to 2 / **1** / 1/step]
015	ID15	CTL	[0 to 2 / **1** / 1/step]
016	ID16	CTL	[0 to 2 / **1** / 1/step]
017	ID17	CTL	[0 to 2 / **1** / 1/step]
018	ID18	CTL	[0 to 2 / **1** / 1/step]
019	ID19	CTL	[0 to 2 / **1** / 1/step]
020	ID20	CTL	[0 to 2 / **1** / 1/step]
021	ID21	CTL	[0 to 2 / **1** / 1/step]
022	ID22	CTL	[0 to 2 / **1** / 1/step]
023	ID23	CTL	[0 to 2 / **1** / 1/step]

024	ID24	CTL	[0 to 2 / **1** / 1/step]
025	ID25	CTL	[0 to 2 / **1** / 1/step]
026	ID26	CTL	[0 to 2 / **1** / 1/step]
027	ID27	CTL	[0 to 2 / **1** / 1/step]
028	ID28	CTL	[0 to 2 / **1** / 1/step]
029	ID29	CTL	[0 to 2 / **1** / 1/step]
030	ID30	CTL	[0 to 2 / **1** / 1/step]
031	ID31	CTL	[0 to 2 / **1** / 1/step]
032	ID32	CTL	[0 to 2 / **1** / 1/step]
033	ID33	CTL	[0 to 2 / **1** / 1/step]
034	ID34	CTL	[0 to 2 / **1** / 1/step]
035	ID35	CTL	[0 to 2 / **1** / 1/step]
036	ID36	CTL	[0 to 2 / **1** / 1/step]
037	ID37	CTL	[0 to 2 / **1** / 1/step]
038	ID38	CTL	[0 to 2 / **1** / 1/step]
039	ID39	CTL	[0 to 2 / **1** / 1/step]
040	ID40	CTL	[0 to 2 / **1** / 1/step]
041	ID41	CTL	[0 to 2 / **1** / 1/step]
042	ID42	CTL	[0 to 2 / **1** / 1/step]
043	ID43	CTL	[0 to 2 / **1** / 1/step]
044	ID44	CTL	[0 to 2 / **1** / 1/step]
045	ID45	CTL	[0 to 2 / **1** / 1/step]
046	ID46	CTL	[0 to 2 / **1** / 1/step]
047	ID47	CTL	[0 to 2 / **1** / 1/step]
048	ID48	CTL	[0 to 2 / **1** / 1/step]
049	ID49	CTL	[0 to 2 / **1** / 1/step]

050	ID50	CTL	[0 to 2 / **1** / 1/step]
051	ID51	CTL	[0 to 2 / **1** / 1/step]
052	ID52	CTL	[0 to 2 / **1** / 1/step]
053	ID53	CTL	[0 to 2 / **1** / 1/step]
054	ID54	CTL	[0 to 2 / **1** / 1/step]
055	ID55	CTL	[0 to 2 / **1** / 1/step]
056	ID56	CTL	[0 to 2 / **1** / 1/step]
057	ID57	CTL	[0 to 2 / **1** / 1/step]
058	ID58	CTL	[0 to 2 / **1** / 1/step]
059	ID59	CTL	[0 to 2 / **1** / 1/step]
060	ID60	CTL	[0 to 2 / **1** / 1/step]
061	ID61	CTL	[0 to 2 / **1** / 1/step]
062	ID62	CTL	[0 to 2 / **1** / 1/step]
063	ID63	CTL	[0 to 2 / **1** / 1/step]
064	ID64	CTL	[0 to 2 / **1** / 1/step]
065	ID65	CTL	[0 to 2 / **1** / 1/step]
066	ID66	CTL	[0 to 2 / **1** / 1/step]
067	ID67	CTL	[0 to 2 / **1** / 1/step]
068	ID68	CTL	[0 to 2 / **1** / 1/step]
069	ID69	CTL	[0 to 2 / **1** / 1/step]
070	ID70	CTL	[0 to 2 / **1** / 1/step]
071	ID71	CTL	[0 to 2 / **1** / 1/step]
072	ID72	CTL	[0 to 2 / **1** / 1/step]
073	ID73	CTL	[0 to 2 / **1** / 1/step]
074	ID74	CTL	[0 to 2 / **1** / 1/step]
075	ID75	CTL	[0 to 2 / **1** / 1/step]

076	ID76	CTL	[0 to 2 / **1** / 1/step]
077	ID77	CTL	[0 to 2 / **1** / 1/step]
078	ID78	CTL	[0 to 2 / **1** / 1/step]
079	ID79	CTL	[0 to 2 / **1** / 1/step]
080	ID80	CTL	[0 to 2 / **1** / 1/step]
081	ID81	CTL	[0 to 2 / **1** / 1/step]
082	ID82	CTL	[0 to 2 / **1** / 1/step]
083	ID83	CTL	[0 to 2 / **1** / 1/step]
084	ID84	CTL	[0 to 2 / **1** / 1/step]
085	ID85	CTL	[0 to 2 / **1** / 1/step]
086	ID86	CTL	[0 to 2 / **1** / 1/step]
087	ID87	CTL	[0 to 2 / **1** / 1/step]
088	ID88	CTL	[0 to 2 / **1** / 1/step]
089	ID89	CTL	[0 to 2 / **1** / 1/step]
090	ID90	CTL	[0 to 2 / **1** / 1/step]
091	ID91	CTL	[0 to 2 / **1** / 1/step]
092	ID92	CTL	[0 to 2 / **1** / 1/step]
093	ID93	CTL	[0 to 2 / **1** / 1/step]
094	ID94	CTL	[0 to 2 / **1** / 1/step]
095	ID95	CTL	[0 to 2 / **1** / 1/step]
096	ID96	CTL	[0 to 2 / **1** / 1/step]
097	ID97	CTL	[0 to 2 / **1** / 1/step]
098	ID98	CTL	[0 to 2 / **1** / 1/step]
099	ID99	CTL	[0 to 2 / **1** / 1/step]
100	ID100	CTL	[0 to 2 / **1** / 1/step]

5717	[Custom Paper: Up/Web Info. 1: P-Type]		
001	ID1	CTL	[0 to 0xFFFF / **1** / 1/step]
002	ID2	CTL	[0 to 0xFFFF / **1** / 1/step]
003	ID3	CTL	[0 to 0xFFFF / **1** / 1/step]
004	ID4	CTL	[0 to 0xFFFF / **1** / 1/step]
005	ID5	CTL	[0 to 0xFFFF / **1** / 1/step]
006	ID6	CTL	[0 to 0xFFFF / **1** / 1/step]
007	ID7	CTL	[0 to 0xFFFF / **1** / 1/step]
008	ID8	CTL	[0 to 0xFFFF / **1** / 1/step]
009	ID9	CTL	[0 to 0xFFFF / **1** / 1/step]
010	ID10	CTL	[0 to 0xFFFF / **1** / 1/step]
011	ID11	CTL	[0 to 0xFFFF / **1** / 1/step]
012	ID12	CTL	[0 to 0xFFFF / **1** / 1/step]
013	ID13	CTL	[0 to 0xFFFF / **1** / 1/step]
014	ID14	CTL	[0 to 0xFFFF / **1** / 1/step]
015	ID15	CTL	[0 to 0xFFFF / **1** / 1/step]
016	ID16	CTL	[0 to 0xFFFF / **1** / 1/step]
017	ID17	CTL	[0 to 0xFFFF / **1** / 1/step]
018	ID18	CTL	[0 to 0xFFFF / **1** / 1/step]
019	ID19	CTL	[0 to 0xFFFF / **1** / 1/step]
020	ID20	CTL	[0 to 0xFFFF / **1** / 1/step]
021	ID21	CTL	[0 to 0xFFFF / **1** / 1/step]
022	ID22	CTL	[0 to 0xFFFF / **1** / 1/step]
023	ID23	CTL	[0 to 0xFFFF / **1** / 1/step]
024	ID24	CTL	[0 to 0xFFFF / **1** / 1/step]
025	ID25	CTL	[0 to 0xFFFF / **1** / 1/step]

026	ID26	CTL	[0 to 0xFFFF / **1** / 1/step]
027	ID27	CTL	[0 to 0xFFFF / **1** / 1/step]
028	ID28	CTL	[0 to 0xFFFF / **1** / 1/step]
029	ID29	CTL	[0 to 0xFFFF / **1** / 1/step]
030	ID30	CTL	[0 to 0xFFFF / **1** / 1/step]
031	ID31	CTL	[0 to 0xFFFF / **1** / 1/step]
032	ID32	CTL	[0 to 0xFFFF / **1** / 1/step]
033	ID33	CTL	[0 to 0xFFFF / **1** / 1/step]
034	ID34	CTL	[0 to 0xFFFF / **1** / 1/step]
035	ID35	CTL	[0 to 0xFFFF / **1** / 1/step]
036	ID36	CTL	[0 to 0xFFFF / **1** / 1/step]
037	ID37	CTL	[0 to 0xFFFF / **1** / 1/step]
038	ID38	CTL	[0 to 0xFFFF / **1** / 1/step]
039	ID39	CTL	[0 to 0xFFFF / **1** / 1/step]
040	ID40	CTL	[0 to 0xFFFF / **1** / 1/step]
041	ID41	CTL	[0 to 0xFFFF / **1** / 1/step]
042	ID42	CTL	[0 to 0xFFFF / **1** / 1/step]
043	ID43	CTL	[0 to 0xFFFF / **1** / 1/step]
044	ID44	CTL	[0 to 0xFFFF / **1** / 1/step]
045	ID45	CTL	[0 to 0xFFFF / **1** / 1/step]
046	ID46	CTL	[0 to 0xFFFF / **1** / 1/step]
047	ID47	CTL	[0 to 0xFFFF / **1** / 1/step]
048	ID48	CTL	[0 to 0xFFFF / **1** / 1/step]
049	ID49	CTL	[0 to 0xFFFF / **1** / 1/step]
050	ID50	CTL	[0 to 0xFFFF / **1** / 1/step]
051	ID51	CTL	[0 to 0xFFFF / **1** / 1/step]

052	ID52	CTL	[0 to 0xFFFF / **1** / 1/step]
053	ID53	CTL	[0 to 0xFFFF / **1** / 1/step]
054	ID54	CTL	[0 to 0xFFFF / **1** / 1/step]
055	ID55	CTL	[0 to 0xFFFF / **1** / 1/step]
056	ID56	CTL	[0 to 0xFFFF / **1** / 1/step]
057	ID57	CTL	[0 to 0xFFFF / **1** / 1/step]
058	ID58	CTL	[0 to 0xFFFF / **1** / 1/step]
059	ID59	CTL	[0 to 0xFFFF / **1** / 1/step]
060	ID60	CTL	[0 to 0xFFFF / **1** / 1/step]
061	ID61	CTL	[0 to 0xFFFF / **1** / 1/step]
062	ID62	CTL	[0 to 0xFFFF / **1** / 1/step]
063	ID63	CTL	[0 to 0xFFFF / **1** / 1/step]
064	ID64	CTL	[0 to 0xFFFF / **1** / 1/step]
065	ID65	CTL	[0 to 0xFFFF / **1** / 1/step]
066	ID66	CTL	[0 to 0xFFFF / **1** / 1/step]
067	ID67	CTL	[0 to 0xFFFF / **1** / 1/step]
068	ID68	CTL	[0 to 0xFFFF / **1** / 1/step]
069	ID69	CTL	[0 to 0xFFFF / **1** / 1/step]
070	ID70	CTL	[0 to 0xFFFF / **1** / 1/step]
071	ID71	CTL	[0 to 0xFFFF / **1** / 1/step]
072	ID72	CTL	[0 to 0xFFFF / **1** / 1/step]
073	ID73	CTL	[0 to 0xFFFF / **1** / 1/step]
074	ID74	CTL	[0 to 0xFFFF / **1** / 1/step]
075	ID75	CTL	[0 to 0xFFFF / **1** / 1/step]
076	ID76	CTL	[0 to 0xFFFF / **1** / 1/step]
077	ID77	CTL	[0 to 0xFFFF / **1** / 1/step]

078	ID78	CTL	[0 to 0xFFFF / **1** / 1/step]
079	ID79	CTL	[0 to 0xFFFF / **1** / 1/step]
080	ID80	CTL	[0 to 0xFFFF / **1** / 1/step]
081	ID81	CTL	[0 to 0xFFFF / **1** / 1/step]
082	ID82	CTL	[0 to 0xFFFF / **1** / 1/step]
083	ID83	CTL	[0 to 0xFFFF / **1** / 1/step]
084	ID84	CTL	[0 to 0xFFFF / **1** / 1/step]
085	ID85	CTL	[0 to 0xFFFF / **1** / 1/step]
086	ID86	CTL	[0 to 0xFFFF / **1** / 1/step]
087	ID87	CTL	[0 to 0xFFFF / **1** / 1/step]
088	ID88	CTL	[0 to 0xFFFF / **1** / 1/step]
089	ID89	CTL	[0 to 0xFFFF / **1** / 1/step]
090	ID90	CTL	[0 to 0xFFFF / **1** / 1/step]
091	ID91	CTL	[0 to 0xFFFF / **1** / 1/step]
092	ID92	CTL	[0 to 0xFFFF / **1** / 1/step]
093	ID93	CTL	[0 to 0xFFFF / **1** / 1/step]
094	ID94	CTL	[0 to 0xFFFF / **1** / 1/step]
095	ID95	CTL	[0 to 0xFFFF / **1** / 1/step]
096	ID96	CTL	[0 to 0xFFFF / **1** / 1/step]
097	ID97	CTL	[0 to 0xFFFF / **1** / 1/step]
098	ID98	CTL	[0 to 0xFFFF / **1** / 1/step]
099	ID99	CTL	[0 to 0xFFFF / **1** / 1/step]
100	ID100	CTL	[0 to 0xFFFF / **1** / 1/step]

5718	[Custom Paper: Up/Web Info. 2: Coated]		
001	ID1	CTL	[0 to 0xFFFF / **1** / 1/step]
002	ID2	CTL	[0 to 0xFFFF / **1** / 1/step]
003	ID3	CTL	[0 to 0xFFFF / **1** / 1/step]
004	ID4	CTL	[0 to 0xFFFF / **1** / 1/step]
005	ID5	CTL	[0 to 0xFFFF / **1** / 1/step]
006	ID6	CTL	[0 to 0xFFFF / **1** / 1/step]
007	ID7	CTL	[0 to 0xFFFF / **1** / 1/step]
008	ID8	CTL	[0 to 0xFFFF / **1** / 1/step]
009	ID9	CTL	[0 to 0xFFFF / **1** / 1/step]
010	ID10	CTL	[0 to 0xFFFF / **1** / 1/step]
011	ID11	CTL	[0 to 0xFFFF / **1** / 1/step]
012	ID12	CTL	[0 to 0xFFFF / **1** / 1/step]
013	ID13	CTL	[0 to 0xFFFF / **1** / 1/step]
014	ID14	CTL	[0 to 0xFFFF / **1** / 1/step]
015	ID15	CTL	[0 to 0xFFFF / **1** / 1/step]
016	ID16	CTL	[0 to 0xFFFF / **1** / 1/step]
017	ID17	CTL	[0 to 0xFFFF / **1** / 1/step]
018	ID18	CTL	[0 to 0xFFFF / **1** / 1/step]
019	ID19	CTL	[0 to 0xFFFF / **1** / 1/step]
020	ID20	CTL	[0 to 0xFFFF / **1** / 1/step]
021	ID21	CTL	[0 to 0xFFFF / **1** / 1/step]
022	ID22	CTL	[0 to 0xFFFF / **1** / 1/step]
023	ID23	CTL	[0 to 0xFFFF / **1** / 1/step]
024	ID24	CTL	[0 to 0xFFFF / **1** / 1/step]

025	ID25	CTL	[0 to 0xFFFF / **1** / 1/step]
026	ID26	CTL	[0 to 0xFFFF / **1** / 1/step]
027	ID27	CTL	[0 to 0xFFFF / **1** / 1/step]
028	ID28	CTL	[0 to 0xFFFF / **1** / 1/step]
029	ID29	CTL	[0 to 0xFFFF / **1** / 1/step]
030	ID30	CTL	[0 to 0xFFFF / **1** / 1/step]
031	ID31	CTL	[0 to 0xFFFF / **1** / 1/step]
032	ID32	CTL	[0 to 0xFFFF / **1** / 1/step]
033	ID33	CTL	[0 to 0xFFFF / **1** / 1/step]
034	ID34	CTL	[0 to 0xFFFF / **1** / 1/step]
035	ID35	CTL	[0 to 0xFFFF / **1** / 1/step]
036	ID36	CTL	[0 to 0xFFFF / **1** / 1/step]
037	ID37	CTL	[0 to 0xFFFF / **1** / 1/step]
038	ID38	CTL	[0 to 0xFFFF / **1** / 1/step]
039	ID39	CTL	[0 to 0xFFFF / **1** / 1/step]
040	ID40	CTL	[0 to 0xFFFF / **1** / 1/step]
041	ID41	CTL	[0 to 0xFFFF / **1** / 1/step]
042	ID42	CTL	[0 to 0xFFFF / **1** / 1/step]
043	ID43	CTL	[0 to 0xFFFF / **1** / 1/step]
044	ID44	CTL	[0 to 0xFFFF / **1** / 1/step]
045	ID45	CTL	[0 to 0xFFFF / **1** / 1/step]
046	ID46	CTL	[0 to 0xFFFF / **1** / 1/step]
047	ID47	CTL	[0 to 0xFFFF / **1** / 1/step]
048	ID48	CTL	[0 to 0xFFFF / **1** / 1/step]
049	ID49	CTL	[0 to 0xFFFF / **1** / 1/step]
050	ID50	CTL	[0 to 0xFFFF / **1** / 1/step]

051	ID51	CTL	[0 to 0xFFFF / **1** / 1/step]
052	ID52	CTL	[0 to 0xFFFF / **1** / 1/step]
053	ID53	CTL	[0 to 0xFFFF / **1** / 1/step]
054	ID54	CTL	[0 to 0xFFFF / **1** / 1/step]
055	ID55	CTL	[0 to 0xFFFF / **1** / 1/step]
056	ID56	CTL	[0 to 0xFFFF / **1** / 1/step]
057	ID57	CTL	[0 to 0xFFFF / **1** / 1/step]
058	ID58	CTL	[0 to 0xFFFF / **1** / 1/step]
059	ID59	CTL	[0 to 0xFFFF / **1** / 1/step]
060	ID60	CTL	[0 to 0xFFFF / **1** / 1/step]
061	ID61	CTL	[0 to 0xFFFF / **1** / 1/step]
062	ID62	CTL	[0 to 0xFFFF / **1** / 1/step]
063	ID63	CTL	[0 to 0xFFFF / **1** / 1/step]
064	ID64	CTL	[0 to 0xFFFF / **1** / 1/step]
065	ID65	CTL	[0 to 0xFFFF / **1** / 1/step]
066	ID66	CTL	[0 to 0xFFFF / **1** / 1/step]
067	ID67	CTL	[0 to 0xFFFF / **1** / 1/step]
068	ID68	CTL	[0 to 0xFFFF / **1** / 1/step]
069	ID69	CTL	[0 to 0xFFFF / **1** / 1/step]
070	ID70	CTL	[0 to 0xFFFF / **1** / 1/step]
071	ID71	CTL	[0 to 0xFFFF / **1** / 1/step]
072	ID72	CTL	[0 to 0xFFFF / **1** / 1/step]
073	ID73	CTL	[0 to 0xFFFF / **1** / 1/step]
074	ID74	CTL	[0 to 0xFFFF / **1** / 1/step]
075	ID75	CTL	[0 to 0xFFFF / **1** / 1/step]
076	ID76	CTL	[0 to 0xFFFF / **1** / 1/step]

077	ID77	CTL	[0 to 0xFFFF / **1** / 1/step]
078	ID78	CTL	[0 to 0xFFFF / **1** / 1/step]
079	ID79	CTL	[0 to 0xFFFF / **1** / 1/step]
080	ID80	CTL	[0 to 0xFFFF / **1** / 1/step]
081	ID81	CTL	[0 to 0xFFFF / **1** / 1/step]
082	ID82	CTL	[0 to 0xFFFF / **1** / 1/step]
083	ID83	CTL	[0 to 0xFFFF / **1** / 1/step]
084	ID84	CTL	[0 to 0xFFFF / **1** / 1/step]
085	ID85	CTL	[0 to 0xFFFF / **1** / 1/step]
086	ID86	CTL	[0 to 0xFFFF / **1** / 1/step]
087	ID87	CTL	[0 to 0xFFFF / **1** / 1/step]
088	ID88	CTL	[0 to 0xFFFF / **1** / 1/step]
089	ID89	CTL	[0 to 0xFFFF / **1** / 1/step]
090	ID90	CTL	[0 to 0xFFFF / **1** / 1/step]
091	ID91	CTL	[0 to 0xFFFF / **1** / 1/step]
092	ID92	CTL	[0 to 0xFFFF / **1** / 1/step]
093	ID93	CTL	[0 to 0xFFFF / **1** / 1/step]
094	ID94	CTL	[0 to 0xFFFF / **1** / 1/step]
095	ID95	CTL	[0 to 0xFFFF / **1** / 1/step]
096	ID96	CTL	[0 to 0xFFFF / **1** / 1/step]
097	ID97	CTL	[0 to 0xFFFF / **1** / 1/step]
098	ID98	CTL	[0 to 0xFFFF / **1** / 1/step]
099	ID99	CTL	[0 to 0xFFFF / **1** / 1/step]
100	ID100	CTL	[0 to 0xFFFF / **1** / 1/step]

5719	**[Custom Paper: Up/Web Info. 3: Punch]**

001	ID1	CTL	[0 to 0xFFFF / **1** / 1/step]
002	ID2	CTL	[0 to 0xFFFF / **1** / 1/step]
003	ID3	CTL	[0 to 0xFFFF / **1** / 1/step]
004	ID4	CTL	[0 to 0xFFFF / **1** / 1/step]
005	ID5	CTL	[0 to 0xFFFF / **1** / 1/step]
006	ID6	CTL	[0 to 0xFFFF / **1** / 1/step]
007	ID7	CTL	[0 to 0xFFFF / **1** / 1/step]
008	ID8	CTL	[0 to 0xFFFF / **1** / 1/step]
009	ID9	CTL	[0 to 0xFFFF / **1** / 1/step]
010	ID10	CTL	[0 to 0xFFFF / **1** / 1/step]
011	ID11	CTL	[0 to 0xFFFF / **1** / 1/step]
012	ID12	CTL	[0 to 0xFFFF / **1** / 1/step]
013	ID13	CTL	[0 to 0xFFFF / **1** / 1/step]
014	ID14	CTL	[0 to 0xFFFF / **1** / 1/step]
015	ID15	CTL	[0 to 0xFFFF / **1** / 1/step]
016	ID16	CTL	[0 to 0xFFFF / **1** / 1/step]
017	ID17	CTL	[0 to 0xFFFF / **1** / 1/step]
018	ID18	CTL	[0 to 0xFFFF / **1** / 1/step]
019	ID19	CTL	[0 to 0xFFFF / **1** / 1/step]
020	ID20	CTL	[0 to 0xFFFF / **1** / 1/step]
021	ID21	CTL	[0 to 0xFFFF / **1** / 1/step]
022	ID22	CTL	[0 to 0xFFFF / **1** / 1/step]
023	ID23	CTL	[0 to 0xFFFF / **1** / 1/step]
024	ID24	CTL	[0 to 0xFFFF / **1** / 1/step]
025	ID25	CTL	[0 to 0xFFFF / **1** / 1/step]
026	ID26	CTL	[0 to 0xFFFF / **1** / 1/step]

027	ID27	CTL	[0 to 0xFFFF / **1** / 1/step]
028	ID28	CTL	[0 to 0xFFFF / **1** / 1/step]
029	ID29	CTL	[0 to 0xFFFF / **1** / 1/step]
030	ID30	CTL	[0 to 0xFFFF / **1** / 1/step]
031	ID31	CTL	[0 to 0xFFFF / **1** / 1/step]
032	ID32	CTL	[0 to 0xFFFF / **1** / 1/step]
033	ID33	CTL	[0 to 0xFFFF / **1** / 1/step]
034	ID34	CTL	[0 to 0xFFFF / **1** / 1/step]
035	ID35	CTL	[0 to 0xFFFF / **1** / 1/step]
036	ID36	CTL	[0 to 0xFFFF / **1** / 1/step]
037	ID37	CTL	[0 to 0xFFFF / **1** / 1/step]
038	ID38	CTL	[0 to 0xFFFF / **1** / 1/step]
039	ID39	CTL	[0 to 0xFFFF / **1** / 1/step]
040	ID40	CTL	[0 to 0xFFFF / **1** / 1/step]
041	ID41	CTL	[0 to 0xFFFF / **1** / 1/step]
042	ID42	CTL	[0 to 0xFFFF / **1** / 1/step]
043	ID43	CTL	[0 to 0xFFFF / **1** / 1/step]
044	ID44	CTL	[0 to 0xFFFF / **1** / 1/step]
045	ID45	CTL	[0 to 0xFFFF / **1** / 1/step]
046	ID46	CTL	[0 to 0xFFFF / **1** / 1/step]
047	ID47	CTL	[0 to 0xFFFF / **1** / 1/step]
048	ID48	CTL	[0 to 0xFFFF / **1** / 1/step]
049	ID49	CTL	[0 to 0xFFFF / **1** / 1/step]
050	ID50	CTL	[0 to 0xFFFF / **1** / 1/step]
051	ID51	CTL	[0 to 0xFFFF / **1** / 1/step]
052	ID52	CTL	[0 to 0xFFFF / **1** / 1/step]

053	ID53	CTL	[0 to 0xFFFF / **1** / 1/step]
054	ID54	CTL	[0 to 0xFFFF / **1** / 1/step]
055	ID55	CTL	[0 to 0xFFFF / **1** / 1/step]
056	ID56	CTL	[0 to 0xFFFF / **1** / 1/step]
057	ID57	CTL	[0 to 0xFFFF / **1** / 1/step]
058	ID58	CTL	[0 to 0xFFFF / **1** / 1/step]
059	ID59	CTL	[0 to 0xFFFF / **1** / 1/step]
060	ID60	CTL	[0 to 0xFFFF / **1** / 1/step]
061	ID61	CTL	[0 to 0xFFFF / **1** / 1/step]
062	ID62	CTL	[0 to 0xFFFF / **1** / 1/step]
063	ID63	CTL	[0 to 0xFFFF / **1** / 1/step]
064	ID64	CTL	[0 to 0xFFFF / **1** / 1/step]
065	ID65	CTL	[0 to 0xFFFF / **1** / 1/step]
066	ID66	CTL	[0 to 0xFFFF / **1** / 1/step]
067	ID67	CTL	[0 to 0xFFFF / **1** / 1/step]
068	ID68	CTL	[0 to 0xFFFF / **1** / 1/step]
069	ID69	CTL	[0 to 0xFFFF / **1** / 1/step]
070	ID70	CTL	[0 to 0xFFFF / **1** / 1/step]
071	ID71	CTL	[0 to 0xFFFF / **1** / 1/step]
072	ID72	CTL	[0 to 0xFFFF / **1** / 1/step]
073	ID73	CTL	[0 to 0xFFFF / **1** / 1/step]
074	ID74	CTL	[0 to 0xFFFF / **1** / 1/step]
075	ID75	CTL	[0 to 0xFFFF / **1** / 1/step]
076	ID76	CTL	[0 to 0xFFFF / **1** / 1/step]
077	ID77	CTL	[0 to 0xFFFF / **1** / 1/step]
078	ID78	CTL	[0 to 0xFFFF / **1** / 1/step]

079	ID79	CTL	[0 to 0xFFFF / **1** / 1/step]
080	ID80	CTL	[0 to 0xFFFF / **1** / 1/step]
081	ID81	CTL	[0 to 0xFFFF / **1** / 1/step]
082	ID82	CTL	[0 to 0xFFFF / **1** / 1/step]
083	ID83	CTL	[0 to 0xFFFF / **1** / 1/step]
084	ID84	CTL	[0 to 0xFFFF / **1** / 1/step]
085	ID85	CTL	[0 to 0xFFFF / **1** / 1/step]
086	ID86	CTL	[0 to 0xFFFF / **1** / 1/step]
087	ID87	CTL	[0 to 0xFFFF / **1** / 1/step]
088	ID88	CTL	[0 to 0xFFFF / **1** / 1/step]
089	ID89	CTL	[0 to 0xFFFF / **1** / 1/step]
090	ID90	CTL	[0 to 0xFFFF / **1** / 1/step]
091	ID91	CTL	[0 to 0xFFFF / **1** / 1/step]
092	ID92	CTL	[0 to 0xFFFF / **1** / 1/step]
093	ID93	CTL	[0 to 0xFFFF / **1** / 1/step]
094	ID94	CTL	[0 to 0xFFFF / **1** / 1/step]
095	ID95	CTL	[0 to 0xFFFF / **1** / 1/step]
096	ID96	CTL	[0 to 0xFFFF / **1** / 1/step]
097	ID97	CTL	[0 to 0xFFFF / **1** / 1/step]
098	ID98	CTL	[0 to 0xFFFF / **1** / 1/step]
099	ID99	CTL	[0 to 0xFFFF / **1** / 1/step]
100	ID100	CTL	[0 to 0xFFFF / **1** / 1/step]

5720	**[Custom Paper: Up/Web Info. 4: Color]**		
001	ID1	CTL	[0 to 0xFFFF / **1** / 1/step]
002	ID2	CTL	[0 to 0xFFFF / **1** / 1/step]

003	ID3	CTL	[0 to 0xFFFF / **1** / 1/step]
004	ID4	CTL	[0 to 0xFFFF / **1** / 1/step]
005	ID5	CTL	[0 to 0xFFFF / **1** / 1/step]
006	ID6	CTL	[0 to 0xFFFF / **1** / 1/step]
007	ID7	CTL	[0 to 0xFFFF / **1** / 1/step]
008	ID8	CTL	[0 to 0xFFFF / **1** / 1/step]
009	ID9	CTL	[0 to 0xFFFF / **1** / 1/step]
010	ID10	CTL	[0 to 0xFFFF / **1** / 1/step]
011	ID11	CTL	[0 to 0xFFFF / **1** / 1/step]
012	ID12	CTL	[0 to 0xFFFF / **1** / 1/step]
013	ID13	CTL	[0 to 0xFFFF / **1** / 1/step]
014	ID14	CTL	[0 to 0xFFFF / **1** / 1/step]
015	ID15	CTL	[0 to 0xFFFF / **1** / 1/step]
016	ID16	CTL	[0 to 0xFFFF / **1** / 1/step]
017	ID17	CTL	[0 to 0xFFFF / **1** / 1/step]
018	ID18	CTL	[0 to 0xFFFF / **1** / 1/step]
019	ID19	CTL	[0 to 0xFFFF / **1** / 1/step]
020	ID20	CTL	[0 to 0xFFFF / **1** / 1/step]
021	ID21	CTL	[0 to 0xFFFF / **1** / 1/step]
022	ID22	CTL	[0 to 0xFFFF / **1** / 1/step]
023	ID23	CTL	[0 to 0xFFFF / **1** / 1/step]
024	ID24	CTL	[0 to 0xFFFF / **1** / 1/step]
025	ID25	CTL	[0 to 0xFFFF / **1** / 1/step]
026	ID26	CTL	[0 to 0xFFFF / **1** / 1/step]
027	ID27	CTL	[0 to 0xFFFF / **1** / 1/step]
028	ID28	CTL	[0 to 0xFFFF / **1** / 1/step]

029	ID29	CTL	[0 to 0xFFFF / **1** / 1/step]
030	ID30	CTL	[0 to 0xFFFF / **1** / 1/step]
031	ID31	CTL	[0 to 0xFFFF / **1** / 1/step]
032	ID32	CTL	[0 to 0xFFFF / **1** / 1/step]
033	ID33	CTL	[0 to 0xFFFF / **1** / 1/step]
034	ID34	CTL	[0 to 0xFFFF / **1** / 1/step]
035	ID35	CTL	[0 to 0xFFFF / **1** / 1/step]
036	ID36	CTL	[0 to 0xFFFF / **1** / 1/step]
037	ID37	CTL	[0 to 0xFFFF / **1** / 1/step]
038	ID38	CTL	[0 to 0xFFFF / **1** / 1/step]
039	ID39	CTL	[0 to 0xFFFF / **1** / 1/step]
040	ID40	CTL	[0 to 0xFFFF / **1** / 1/step]
041	ID41	CTL	[0 to 0xFFFF / **1** / 1/step]
042	ID42	CTL	[0 to 0xFFFF / **1** / 1/step]
043	ID43	CTL	[0 to 0xFFFF / **1** / 1/step]
044	ID44	CTL	[0 to 0xFFFF / **1** / 1/step]
045	ID45	CTL	[0 to 0xFFFF / **1** / 1/step]
046	ID46	CTL	[0 to 0xFFFF / **1** / 1/step]
047	ID47	CTL	[0 to 0xFFFF / **1** / 1/step]
048	ID48	CTL	[0 to 0xFFFF / **1** / 1/step]
049	ID49	CTL	[0 to 0xFFFF / **1** / 1/step]
050	ID50	CTL	[0 to 0xFFFF / **1** / 1/step]
051	ID51	CTL	[0 to 0xFFFF / **1** / 1/step]
052	ID52	CTL	[0 to 0xFFFF / **1** / 1/step]
053	ID53	CTL	[0 to 0xFFFF / **1** / 1/step]
054	ID54	CTL	[0 to 0xFFFF / **1** / 1/step]

055	ID55	CTL	[0 to 0xFFFF / **1** / 1/step]
056	ID56	CTL	[0 to 0xFFFF / **1** / 1/step]
057	ID57	CTL	[0 to 0xFFFF / **1** / 1/step]
058	ID58	CTL	[0 to 0xFFFF / **1** / 1/step]
059	ID59	CTL	[0 to 0xFFFF / **1** / 1/step]
060	ID60	CTL	[0 to 0xFFFF / **1** / 1/step]
061	ID61	CTL	[0 to 0xFFFF / **1** / 1/step]
062	ID62	CTL	[0 to 0xFFFF / **1** / 1/step]
063	ID63	CTL	[0 to 0xFFFF / **1** / 1/step]
064	ID64	CTL	[0 to 0xFFFF / **1** / 1/step]
065	ID65	CTL	[0 to 0xFFFF / **1** / 1/step]
066	ID66	CTL	[0 to 0xFFFF / **1** / 1/step]
067	ID67	CTL	[0 to 0xFFFF / **1** / 1/step]
068	ID68	CTL	[0 to 0xFFFF / **1** / 1/step]
069	ID69	CTL	[0 to 0xFFFF / **1** / 1/step]
070	ID70	CTL	[0 to 0xFFFF / **1** / 1/step]
071	ID71	CTL	[0 to 0xFFFF / **1** / 1/step]
072	ID72	CTL	[0 to 0xFFFF / **1** / 1/step]
073	ID73	CTL	[0 to 0xFFFF / **1** / 1/step]
074	ID74	CTL	[0 to 0xFFFF / **1** / 1/step]
075	ID75	CTL	[0 to 0xFFFF / **1** / 1/step]
076	ID76	CTL	[0 to 0xFFFF / **1** / 1/step]
077	ID77	CTL	[0 to 0xFFFF / **1** / 1/step]
078	ID78	CTL	[0 to 0xFFFF / **1** / 1/step]
079	ID79	CTL	[0 to 0xFFFF / **1** / 1/step]
080	ID80	CTL	[0 to 0xFFFF / **1** / 1/step]

081	ID81	CTL	[0 to 0xFFFF / **1** / 1/step]
082	ID82	CTL	[0 to 0xFFFF / **1** / 1/step]
083	ID83	CTL	[0 to 0xFFFF / **1** / 1/step]
084	ID84	CTL	[0 to 0xFFFF / **1** / 1/step]
085	ID85	CTL	[0 to 0xFFFF / **1** / 1/step]
086	ID86	CTL	[0 to 0xFFFF / **1** / 1/step]
087	ID87	CTL	[0 to 0xFFFF / **1** / 1/step]
088	ID88	CTL	[0 to 0xFFFF / **1** / 1/step]
089	ID89	CTL	[0 to 0xFFFF / **1** / 1/step]
090	ID90	CTL	[0 to 0xFFFF / **1** / 1/step]
091	ID91	CTL	[0 to 0xFFFF / **1** / 1/step]
092	ID92	CTL	[0 to 0xFFFF / **1** / 1/step]
093	ID93	CTL	[0 to 0xFFFF / **1** / 1/step]
094	ID94	CTL	[0 to 0xFFFF / **1** / 1/step]
095	ID95	CTL	[0 to 0xFFFF / **1** / 1/step]
096	ID96	CTL	[0 to 0xFFFF / **1** / 1/step]
097	ID97	CTL	[0 to 0xFFFF / **1** / 1/step]
098	ID98	CTL	[0 to 0xFFFF / **1** / 1/step]
099	ID99	CTL	[0 to 0xFFFF / **1** / 1/step]
100	ID100	CTL	[0 to 0xFFFF / **1** / 1/step]

5721	**[Custom Paper: Size Code]**		
001	ID1	CTL	[0 to 0xFF / **1** / 1/step]
002	ID2	CTL	[0 to 0xFF / **1** / 1/step]
003	ID3	CTL	[0 to 0xFF / **1** / 1/step]
004	ID4	CTL	[0 to 0xFF / **1** / 1/step]

005	ID5	CTL	[0 to 0xFF / **1** / 1/step]
006	ID6	CTL	[0 to 0xFF / **1** / 1/step]
007	ID7	CTL	[0 to 0xFF / **1** / 1/step]
008	ID8	CTL	[0 to 0xFF / **1** / 1/step]
009	ID9	CTL	[0 to 0xFF / **1** / 1/step]
010	ID10	CTL	[0 to 0xFF / **1** / 1/step]
011	ID11	CTL	[0 to 0xFF / **1** / 1/step]
012	ID12	CTL	[0 to 0xFF / **1** / 1/step]
013	ID13	CTL	[0 to 0xFF / **1** / 1/step]
014	ID14	CTL	[0 to 0xFF / **1** / 1/step]
015	ID15	CTL	[0 to 0xFF / **1** / 1/step]
016	ID16	CTL	[0 to 0xFF / **1** / 1/step]
017	ID17	CTL	[0 to 0xFF / **1** / 1/step]
018	ID18	CTL	[0 to 0xFF / **1** / 1/step]
019	ID19	CTL	[0 to 0xFF / **1** / 1/step]
020	ID20	CTL	[0 to 0xFF / **1** / 1/step]
021	ID21	CTL	[0 to 0xFF / **1** / 1/step]
022	ID22	CTL	[0 to 0xFF / **1** / 1/step]
023	ID23	CTL	[0 to 0xFF / **1** / 1/step]
024	ID24	CTL	[0 to 0xFF / **1** / 1/step]
025	ID25	CTL	[0 to 0xFF / **1** / 1/step]
026	ID26	CTL	[0 to 0xFF / **1** / 1/step]
027	ID27	CTL	[0 to 0xFF / **1** / 1/step]
028	ID28	CTL	[0 to 0xFF / **1** / 1/step]
029	ID29	CTL	[0 to 0xFF / **1** / 1/step]
030	ID30	CTL	[0 to 0xFF / **1** / 1/step]

031	ID31	CTL	[0 to 0xFF / **1** / 1/step]
032	ID32	CTL	[0 to 0xFF / **1** / 1/step]
033	ID33	CTL	[0 to 0xFF / **1** / 1/step]
034	ID34	CTL	[0 to 0xFF / **1** / 1/step]
035	ID35	CTL	[0 to 0xFF / **1** / 1/step]
036	ID36	CTL	[0 to 0xFF / **1** / 1/step]
037	ID37	CTL	[0 to 0xFF / **1** / 1/step]
038	ID38	CTL	[0 to 0xFF / **1** / 1/step]
039	ID39	CTL	[0 to 0xFF / **1** / 1/step]
040	ID40	CTL	[0 to 0xFF / **1** / 1/step]
041	ID41	CTL	[0 to 0xFF / **1** / 1/step]
042	ID42	CTL	[0 to 0xFF / **1** / 1/step]
043	ID43	CTL	[0 to 0xFF / **1** / 1/step]
044	ID44	CTL	[0 to 0xFF / **1** / 1/step]
045	ID45	CTL	[0 to 0xFF / **1** / 1/step]
046	ID46	CTL	[0 to 0xFF / **1** / 1/step]
047	ID47	CTL	[0 to 0xFF / **1** / 1/step]
048	ID48	CTL	[0 to 0xFF / **1** / 1/step]
049	ID49	CTL	[0 to 0xFF / **1** / 1/step]
050	ID50	CTL	[0 to 0xFF / **1** / 1/step]
051	ID51	CTL	[0 to 0xFF / **1** / 1/step]
052	ID52	CTL	[0 to 0xFF / **1** / 1/step]
053	ID53	CTL	[0 to 0xFF / **1** / 1/step]
054	ID54	CTL	[0 to 0xFF / **1** / 1/step]
055	ID55	CTL	[0 to 0xFF / **1** / 1/step]
056	ID56	CTL	[0 to 0xFF / **1** / 1/step]

057	ID57	CTL	[0 to 0xFF / **1** / 1/step]
058	ID58	CTL	[0 to 0xFF / **1** / 1/step]
059	ID59	CTL	[0 to 0xFF / **1** / 1/step]
060	ID60	CTL	[0 to 0xFF / **1** / 1/step]
061	ID61	CTL	[0 to 0xFF / **1** / 1/step]
062	ID62	CTL	[0 to 0xFF / **1** / 1/step]
063	ID63	CTL	[0 to 0xFF / **1** / 1/step]
064	ID64	CTL	[0 to 0xFF / **1** / 1/step]
065	ID65	CTL	[0 to 0xFF / **1** / 1/step]
066	ID66	CTL	[0 to 0xFF / **1** / 1/step]
067	ID67	CTL	[0 to 0xFF / **1** / 1/step]
068	ID68	CTL	[0 to 0xFF / **1** / 1/step]
069	ID69	CTL	[0 to 0xFF / **1** / 1/step]
070	ID70	CTL	[0 to 0xFF / **1** / 1/step]
071	ID71	CTL	[0 to 0xFF / **1** / 1/step]
072	ID72	CTL	[0 to 0xFF / **1** / 1/step]
073	ID73	CTL	[0 to 0xFF / **1** / 1/step]
074	ID74	CTL	[0 to 0xFF / **1** / 1/step]
075	ID75	CTL	[0 to 0xFF / **1** / 1/step]
076	ID76	CTL	[0 to 0xFF / **1** / 1/step]
077	ID77	CTL	[0 to 0xFF / **1** / 1/step]
078	ID78	CTL	[0 to 0xFF / **1** / 1/step]
079	ID79	CTL	[0 to 0xFF / **1** / 1/step]
080	ID80	CTL	[0 to 0xFF / **1** / 1/step]
081	ID81	CTL	[0 to 0xFF / **1** / 1/step]
082	ID82	CTL	[0 to 0xFF / **1** / 1/step]

083	ID83	CTL	[0 to 0xFF / **1** / 1/step]
084	ID84	CTL	[0 to 0xFF / **1** / 1/step]
085	ID85	CTL	[0 to 0xFF / **1** / 1/step]
086	ID86	CTL	[0 to 0xFF / **1** / 1/step]
087	ID87	CTL	[0 to 0xFF / **1** / 1/step]
088	ID88	CTL	[0 to 0xFF / **1** / 1/step]
089	ID89	CTL	[0 to 0xFF / **1** / 1/step]
090	ID90	CTL	[0 to 0xFF / **1** / 1/step]
091	ID91	CTL	[0 to 0xFF / **1** / 1/step]
092	ID92	CTL	[0 to 0xFF / **1** / 1/step]
093	ID93	CTL	[0 to 0xFF / **1** / 1/step]
094	ID94	CTL	[0 to 0xFF / **1** / 1/step]
095	ID95	CTL	[0 to 0xFF / **1** / 1/step]
096	ID96	CTL	[0 to 0xFF / **1** / 1/step]
097	ID97	CTL	[0 to 0xFF / **1** / 1/step]
098	ID98	CTL	[0 to 0xFF / **1** / 1/step]
099	ID99	CTL	[0 to 0xFF / **1** / 1/step]
100	ID100	CTL	[0 to 0xFF / **1** / 1/step]

3.2 SP5-722 TO 998 (MODE)

5722	[Custom Paper: Width (M-scan 0.1mm)]		
001	ID1	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
002	ID2	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
003	ID3	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
004	ID4	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
005	ID5	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
006	ID6	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
007	ID7	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
008	ID8	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
009	ID9	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
010	ID10	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
011	ID11	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
012	ID12	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
013	ID13	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
014	ID14	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
015	ID15	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
016	ID16	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
017	ID17	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
018	ID18	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
019	ID19	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
020	ID20	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
021	ID21	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
022	ID22	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

023	ID23	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
024	ID24	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
025	ID25	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
026	ID26	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
027	ID27	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
028	ID28	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
029	ID29	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
030	ID30	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
031	ID31	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
032	ID32	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
033	ID33	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
034	ID34	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
035	ID35	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
036	ID36	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
037	ID37	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
038	ID38	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
039	ID39	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
040	ID40	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
041	ID41	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
042	ID42	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
043	ID43	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
044	ID44	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
045	ID45	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
046	ID46	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
047	ID47	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
048	ID48	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

049	ID49	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
050	ID50	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
051	ID51	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
052	ID52	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
053	ID53	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
054	ID54	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
055	ID55	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
056	ID56	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
057	ID57	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
058	ID58	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
059	ID59	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
060	ID60	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
061	ID61	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
062	ID62	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
063	ID63	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
064	ID64	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
065	ID65	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
066	ID66	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
067	ID67	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
068	ID68	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
069	ID69	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
070	ID70	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
071	ID71	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
072	ID72	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
073	ID73	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
074	ID74	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

075	ID75	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
076	ID76	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
077	ID77	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
078	ID78	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
079	ID79	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
080	ID80	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
081	ID81	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
082	ID82	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
083	ID83	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
084	ID84	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
085	ID85	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
086	ID86	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
087	ID87	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
088	ID88	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
089	ID89	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
090	ID90	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
091	ID91	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
092	ID92	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
093	ID93	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
094	ID94	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
095	ID95	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
096	ID96	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
097	ID97	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
098	ID98	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
099	ID99	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
100	ID100	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

5723	[Custom Paper: Width (S-scan 0.1mm)]		
001	ID1	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
002	ID2	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
003	ID3	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
004	ID4	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
005	ID5	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
006	ID6	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
007	ID7	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
008	ID8	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
009	ID9	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
010	ID10	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
011	ID11	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
012	ID12	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
013	ID13	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
014	ID14	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
015	ID15	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
016	ID16	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
017	ID17	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
018	ID18	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
019	ID19	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
020	ID20	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
021	ID21	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
022	ID22	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
023	ID23	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
024	ID24	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

025	ID25	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
026	ID26	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
027	ID27	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
028	ID28	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
029	ID29	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
030	ID30	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
031	ID31	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
032	ID32	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
033	ID33	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
034	ID34	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
035	ID35	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
036	ID36	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
037	ID37	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
038	ID38	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
039	ID39	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
040	ID40	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
041	ID41	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
042	ID42	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
043	ID43	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
044	ID44	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
045	ID45	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
046	ID46	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
047	ID47	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
048	ID48	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
049	ID49	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
050	ID50	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

051	ID51	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
052	ID52	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
053	ID53	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
054	ID54	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
055	ID55	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
056	ID56	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
057	ID57	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
058	ID58	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
059	ID59	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
060	ID60	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
061	ID61	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
062	ID62	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
063	ID63	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
064	ID64	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
065	ID65	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
066	ID66	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
067	ID67	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
068	ID68	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
069	ID69	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
070	ID70	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
071	ID71	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
072	ID72	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
073	ID73	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
074	ID74	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
075	ID75	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
076	ID76	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

077	ID77	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
078	ID78	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
079	ID79	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
080	ID80	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
081	ID81	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
082	ID82	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
083	ID83	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
084	ID84	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
085	ID85	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
086	ID86	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
087	ID87	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
088	ID88	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
089	ID89	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
090	ID90	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
091	ID91	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
092	ID92	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
093	ID93	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
094	ID94	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
095	ID95	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
096	ID96	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
097	ID97	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
098	ID98	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
099	ID99	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]
100	ID100	CTL	[0 to 0xFFFFFFFF / **1** / 0.1/step]

5724	**[Custom Paper: MQP Version]**

001	ID1	CTL	[0 to 99 / **1** / 2/step]
002	ID2	CTL	[0 to 99 / **1** / 2/step]
003	ID3	CTL	[0 to 99 / **1** / 2/step]
004	ID4	CTL	[0 to 99 / **1** / 2/step]
005	ID5	CTL	[0 to 99 / **1** / 2/step]
006	ID6	CTL	[0 to 99 / **1** / 2/step]
007	ID7	CTL	[0 to 99 / **1** / 2/step]
008	ID8	CTL	[0 to 99 / **1** / 2/step]
009	ID9	CTL	[0 to 99 / **1** / 2/step]
010	ID10	CTL	[0 to 99 / **1** / 2/step]
011	ID11	CTL	[0 to 99 / **1** / 2/step]
012	ID12	CTL	[0 to 99 / **1** / 2/step]
013	ID13	CTL	[0 to 99 / **1** / 2/step]
014	ID14	CTL	[0 to 99 / **1** / 2/step]
015	ID15	CTL	[0 to 99 / **1** / 2/step]
016	ID16	CTL	[0 to 99 / **1** / 2/step]
017	ID17	CTL	[0 to 99 / **1** / 2/step]
018	ID18	CTL	[0 to 99 / **1** / 2/step]
019	ID19	CTL	[0 to 99 / **1** / 2/step]
020	ID20	CTL	[0 to 99 / **1** / 2/step]
021	ID21	CTL	[0 to 99 / **1** / 2/step]
022	ID22	CTL	[0 to 99 / **1** / 2/step]
023	ID23	CTL	[0 to 99 / **1** / 2/step]
024	ID24	CTL	[0 to 99 / **1** / 2/step]
025	ID25	CTL	[0 to 99 / **1** / 2/step]
026	ID26	CTL	[0 to 99 / **1** / 2/step]

027	ID27	CTL	[0 to 99 / **1** / 2/step]
028	ID28	CTL	[0 to 99 / **1** / 2/step]
029	ID29	CTL	[0 to 99 / **1** / 2/step]
030	ID30	CTL	[0 to 99 / **1** / 2/step]
031	ID31	CTL	[0 to 99 / **1** / 2/step]
032	ID32	CTL	[0 to 99 / **1** / 2/step]
033	ID33	CTL	[0 to 99 / **1** / 2/step]
034	ID34	CTL	[0 to 99 / **1** / 2/step]
035	ID35	CTL	[0 to 99 / **1** / 2/step]
036	ID36	CTL	[0 to 99 / **1** / 2/step]
037	ID37	CTL	[0 to 99 / **1** / 2/step]
038	ID38	CTL	[0 to 99 / **1** / 2/step]
039	ID39	CTL	[0 to 99 / **1** / 2/step]
040	ID40	CTL	[0 to 99 / **1** / 2/step]
041	ID41	CTL	[0 to 99 / **1** / 2/step]
042	ID42	CTL	[0 to 99 / **1** / 2/step]
043	ID43	CTL	[0 to 99 / **1** / 2/step]
044	ID44	CTL	[0 to 99 / **1** / 2/step]
045	ID45	CTL	[0 to 99 / **1** / 2/step]
046	ID46	CTL	[0 to 99 / **1** / 2/step]
047	ID47	CTL	[0 to 99 / **1** / 2/step]
048	ID48	CTL	[0 to 99 / **1** / 2/step]
049	ID49	CTL	[0 to 99 / **1** / 2/step]
050	ID50	CTL	[0 to 99 / **1** / 2/step]
051	ID51	CTL	[0 to 99 / **1** / 2/step]
052	ID52	CTL	[0 to 99 / **1** / 2/step]

053	ID53	CTL	[0 to 99 / **1** / 2/step]
054	ID54	CTL	[0 to 99 / **1** / 2/step]
055	ID55	CTL	[0 to 99 / **1** / 2/step]
056	ID56	CTL	[0 to 99 / **1** / 2/step]
057	ID57	CTL	[0 to 99 / **1** / 2/step]
058	ID58	CTL	[0 to 99 / **1** / 2/step]
059	ID59	CTL	[0 to 99 / **1** / 2/step]
060	ID60	CTL	[0 to 99 / **1** / 2/step]
061	ID61	CTL	[0 to 99 / **1** / 2/step]
062	ID62	CTL	[0 to 99 / **1** / 2/step]
063	ID63	CTL	[0 to 99 / **1** / 2/step]
064	ID64	CTL	[0 to 99 / **1** / 2/step]
065	ID65	CTL	[0 to 99 / **1** / 2/step]
066	ID66	CTL	[0 to 99 / **1** / 2/step]
067	ID67	CTL	[0 to 99 / **1** / 2/step]
068	ID68	CTL	[0 to 99 / **1** / 2/step]
069	ID69	CTL	[0 to 99 / **1** / 2/step]
070	ID70	CTL	[0 to 99 / **1** / 2/step]
071	ID71	CTL	[0 to 99 / **1** / 2/step]
072	ID72	CTL	[0 to 99 / **1** / 2/step]
073	ID73	CTL	[0 to 99 / **1** / 2/step]
074	ID74	CTL	[0 to 99 / **1** / 2/step]
075	ID75	CTL	[0 to 99 / **1** / 2/step]
076	ID76	CTL	[0 to 99 / **1** / 2/step]
077	ID77	CTL	[0 to 99 / **1** / 2/step]
078	ID78	CTL	[0 to 99 / **1** / 2/step]

079	ID79	CTL	[0 to 99 / **1** / 2/step]
080	ID80	CTL	[0 to 99 / **1** / 2/step]
081	ID81	CTL	[0 to 99 / **1** / 2/step]
082	ID82	CTL	[0 to 99 / **1** / 2/step]
083	ID83	CTL	[0 to 99 / **1** / 2/step]
084	ID84	CTL	[0 to 99 / **1** / 2/step]
085	ID85	CTL	[0 to 99 / **1** / 2/step]
086	ID86	CTL	[0 to 99 / **1** / 2/step]
087	ID87	CTL	[0 to 99 / **1** / 2/step]
088	ID88	CTL	[0 to 99 / **1** / 2/step]
089	ID89	CTL	[0 to 99 / **1** / 2/step]
090	ID90	CTL	[0 to 99 / **1** / 2/step]
091	ID91	CTL	[0 to 99 / **1** / 2/step]
092	ID92	CTL	[0 to 99 / **1** / 2/step]
093	ID93	CTL	[0 to 99 / **1** / 2/step]
094	ID94	CTL	[0 to 99 / **1** / 2/step]
095	ID95	CTL	[0 to 99 / **1** / 2/step]
096	ID96	CTL	[0 to 99 / **1** / 2/step]
097	ID97	CTL	[0 to 99 / **1** / 2/step]
098	ID98	CTL	[0 to 99 / **1** / 2/step]
099	ID99	CTL	[0 to 99 / **1** / 2/step]
100	ID100	CTL	[0 to 99 / **1** / 2/step]

5725	**[Custom Paper: Data Type]**		
001	ID1	CTL	[0 to 99 / **1** / 1/step]
002	ID2	CTL	[0 to 99 / **1** / 1/step]

003	ID3	CTL	[0 to 99 / **1** / 1/step]
004	ID4	CTL	[0 to 99 / **1** / 1/step]
005	ID5	CTL	[0 to 99 / **1** / 1/step]
006	ID6	CTL	[0 to 99 / **1** / 1/step]
007	ID7	CTL	[0 to 99 / **1** / 1/step]
008	ID8	CTL	[0 to 99 / **1** / 1/step]
009	ID9	CTL	[0 to 99 / **1** / 1/step]
010	ID10	CTL	[0 to 99 / **1** / 1/step]
011	ID11	CTL	[0 to 99 / **1** / 1/step]
012	ID12	CTL	[0 to 99 / **1** / 1/step]
013	ID13	CTL	[0 to 99 / **1** / 1/step]
014	ID14	CTL	[0 to 99 / **1** / 1/step]
015	ID15	CTL	[0 to 99 / **1** / 1/step]
016	ID16	CTL	[0 to 99 / **1** / 1/step]
017	ID17	CTL	[0 to 99 / **1** / 1/step]
018	ID18	CTL	[0 to 99 / **1** / 1/step]
019	ID19	CTL	[0 to 99 / **1** / 1/step]
020	ID20	CTL	[0 to 99 / **1** / 1/step]
021	ID21	CTL	[0 to 99 / **1** / 1/step]
022	ID22	CTL	[0 to 99 / **1** / 1/step]
023	ID23	CTL	[0 to 99 / **1** / 1/step]
024	ID24	CTL	[0 to 99 / **1** / 1/step]
025	ID25	CTL	[0 to 99 / **1** / 1/step]
026	ID26	CTL	[0 to 99 / **1** / 1/step]
027	ID27	CTL	[0 to 99 / **1** / 1/step]
028	ID28	CTL	[0 to 99 / **1** / 1/step]

029	ID29	CTL	[0 to 99 / **1** / 1/step]
030	ID30	CTL	[0 to 99 / **1** / 1/step]
031	ID31	CTL	[0 to 99 / **1** / 1/step]
032	ID32	CTL	[0 to 99 / **1** / 1/step]
033	ID33	CTL	[0 to 99 / **1** / 1/step]
034	ID34	CTL	[0 to 99 / **1** / 1/step]
035	ID35	CTL	[0 to 99 / **1** / 1/step]
036	ID36	CTL	[0 to 99 / **1** / 1/step]
037	ID37	CTL	[0 to 99 / **1** / 1/step]
038	ID38	CTL	[0 to 99 / **1** / 1/step]
039	ID39	CTL	[0 to 99 / **1** / 1/step]
040	ID40	CTL	[0 to 99 / **1** / 1/step]
041	ID41	CTL	[0 to 99 / **1** / 1/step]
042	ID42	CTL	[0 to 99 / **1** / 1/step]
043	ID43	CTL	[0 to 99 / **1** / 1/step]
044	ID44	CTL	[0 to 99 / **1** / 1/step]
045	ID45	CTL	[0 to 99 / **1** / 1/step]
046	ID46	CTL	[0 to 99 / **1** / 1/step]
047	ID47	CTL	[0 to 99 / **1** / 1/step]
048	ID48	CTL	[0 to 99 / **1** / 1/step]
049	ID49	CTL	[0 to 99 / **1** / 1/step]
050	ID50	CTL	[0 to 99 / **1** / 1/step]
051	ID51	CTL	[0 to 99 / **1** / 1/step]
052	ID52	CTL	[0 to 99 / **1** / 1/step]
053	ID53	CTL	[0 to 99 / **1** / 1/step]
054	ID54	CTL	[0 to 99 / **1** / 1/step]

055	ID55	CTL	[0 to 99 / **1** / 1/step]
056	ID56	CTL	[0 to 99 / **1** / 1/step]
057	ID57	CTL	[0 to 99 / **1** / 1/step]
058	ID58	CTL	[0 to 99 / **1** / 1/step]
059	ID59	CTL	[0 to 99 / **1** / 1/step]
060	ID60	CTL	[0 to 99 / **1** / 1/step]
061	ID61	CTL	[0 to 99 / **1** / 1/step]
062	ID62	CTL	[0 to 99 / **1** / 1/step]
063	ID63	CTL	[0 to 99 / **1** / 1/step]
064	ID64	CTL	[0 to 99 / **1** / 1/step]
065	ID65	CTL	[0 to 99 / **1** / 1/step]
066	ID66	CTL	[0 to 99 / **1** / 1/step]
067	ID67	CTL	[0 to 99 / **1** / 1/step]
068	ID68	CTL	[0 to 99 / **1** / 1/step]
069	ID69	CTL	[0 to 99 / **1** / 1/step]
070	ID70	CTL	[0 to 99 / **1** / 1/step]
071	ID71	CTL	[0 to 99 / **1** / 1/step]
072	ID72	CTL	[0 to 99 / **1** / 1/step]
073	ID73	CTL	[0 to 99 / **1** / 1/step]
074	ID74	CTL	[0 to 99 / **1** / 1/step]
075	ID75	CTL	[0 to 99 / **1** / 1/step]
076	ID76	CTL	[0 to 99 / **1** / 1/step]
077	ID77	CTL	[0 to 99 / **1** / 1/step]
078	ID78	CTL	[0 to 99 / **1** / 1/step]
079	ID79	CTL	[0 to 99 / **1** / 1/step]
080	ID80	CTL	[0 to 99 / **1** / 1/step]

081	ID81	CTL	[0 to 99 / **1** / 1/step]
082	ID82	CTL	[0 to 99 / **1** / 1/step]
083	ID83	CTL	[0 to 99 / **1** / 1/step]
084	ID84	CTL	[0 to 99 / **1** / 1/step]
085	ID85	CTL	[0 to 99 / **1** / 1/step]
086	ID86	CTL	[0 to 99 / **1** / 1/step]
087	ID87	CTL	[0 to 99 / **1** / 1/step]
088	ID88	CTL	[0 to 99 / **1** / 1/step]
089	ID89	CTL	[0 to 99 / **1** / 1/step]
090	ID90	CTL	[0 to 99 / **1** / 1/step]
091	ID91	CTL	[0 to 99 / **1** / 1/step]
092	ID92	CTL	[0 to 99 / **1** / 1/step]
093	ID93	CTL	[0 to 99 / **1** / 1/step]
094	ID94	CTL	[0 to 99 / **1** / 1/step]
095	ID95	CTL	[0 to 99 / **1** / 1/step]
096	ID96	CTL	[0 to 99 / **1** / 1/step]
097	ID97	CTL	[0 to 99 / **1** / 1/step]
098	ID98	CTL	[0 to 99 / **1** / 1/step]
099	ID99	CTL	[0 to 99 / **1** / 1/step]
100	ID100	CTL	[0 to 99 / **1** / 1/step]

5730	**[Extended Function Setting]**		
	-		
001	JavaTM Platform setting	*CTL	[1 to 24 char. / **1** / -]
	Input license codes to set JavaVM enabled / disabled.		
010	Expiration Prior Alarm Set	*CTL	[0 to 999 / **20** / 1day/step]

5731	**[Counter Effect]**		
	-		
001	Change MK1 Cnt (Paper->Combine)	*CTL	[0 or 1 / **0** / 1/step]

5734	**[PDF Setting]**		
	-		
001	PDF/A Fixed	-	[0 or 1 / **0** / 1/step]

5741	**[Node Authentication timuout]**		
	-		
001	-	*CTL	-

5743	**[Network Security Level]**		
	-		
101	MAIN: refernce	-	[- / **0x10** / 1bit/step] 0x01: Custom 0x02: Level 0 0x04: Level 1 0x08: FIPS 0x10: Level 2
201	MAIN: setting	-	[- / **00000000** / 1bit/step] 0x02: Level 0 0x04: Level 1 0x08: FIPS 0x10: Level 2

5745	[PowerConsumption]		
005	AutoClearIntervalDays	*CTL	[0 to 1439 / **0** / 1/step]
211	Controller Standby	*CTL	[0 to 9999 / **0** / 1/step]
212	STR	*CTL	[0 to 9999 / **0** / 1/step]
213	Main Power Off	*CTL	[0 to 9999 / **0** / 1/step]
214	Scanning and Printing	*CTL	[0 to 9999 / **0** / 1/step]
215	Printing	*CTL	[0 to 9999 / **0** / 1/step]
216	Scanning	*CTL	[0 to 9999 / **0** / 1/step]
217	Engine Standby	*CTL	[0 to 9999 / **0** / 1/step]
218	Low Power Consumption	*CTL	[0 to 9999 / **0** / 1/step]
219	Silent condition	*CTL	[0 to 9999 / **0** / 1/step]
220	Heater Off	*CTL	[0 to 9999 / **0** / 1/step]

5746	[BMLinkS]		
	-		
001	Available	*CTL	[0 or 1 / **0** / 1/step]
002	Interval: log	*CTL	[0 or 1 / **0** / 1/step]
004	Available: log	*CTL	[0 or 1 / **0** / 1/step]

5747	[Browser Setting]		
	-		
001	Use Cache File	*CTL	[0 or 1 / **0** / 1/step] 0: Not use 1:Use
002	Cache Size	*CTL	[1024 or 10240 / **1024** / 1KB/step]
003	Cache Clear	CTL	[- / **-** / -] [Execute]

011	Defult HTTP Request Method	*CTL	[0 or 1 / **1** / 1/step] 0:POST 1:GET
021	User Agent	*CTL	[Letters(Up to 255) / **deviceBrowser** / -/step]
031	Use JavaScript	*CTL	[0 or 1 / **0** / 1/step] 0: Disable 1: Enable
032	Use Extended JavaScript	*CTL	[0 or 1 / **0** / 1/step] 0: Disable 1: Enable
041	Keep History	*CTL	[0 or 1 / **0** / 1/step] 0: OFF 1: ON
042	History Period	*CTL	[1 or 30 / **3** / 1day/step]
051	Use Proxy	*CTL	[0 or 1 / **0** / 1/step] 0: Not use 1: use
052	Proxy Server Name	*CTL	[Letters(Up to 128) / **NULL** / -/step]
053	Proxy Port	*CTL	[0 to 65535 / **8080** / 1/step]
054	Proxy User Name	*CTL	[Letters(Up to 128) / **NULL** / -/step]
055	Proxy Password	*CTL	[Letters(Up to 128) / **NULL** / -/step]
056	Hosts Not Using Proxy	*CTL	[Letters(Up to 256) / **NULL** / -/step]
061	Accept Cookie	*CTL	[0 or 1 / **1** / 1/step] 0: Not use 1: use

071	Show URL Bar	*CTL	[0 or 1 / **1** / 1/step] 0: Do not Diplay 1: Display
072	Show Horizontal Scroll	*CTL	[0 or 1 / **1** / 1/step] 0: Do not Diplay 1: Display
081	HomePage	*CTL	[Letters(Up to 255) / **file:///sdk/exjs/LAPnet/help.asp** / -/step]
181	User Permit: HomePage	*CTL	[0 or 1 / **1** / 1/step] 0: Allow 1: Not Allow
182	User Permit: Bookmark	*CTL	[0 or 1 / **1** / 1/step] 0: Allow 1: Not Allow
183	User Permit: Proxy	*CTL	[0 or 1 / **1** / 1/step] 0: Allow 1: Not Allow
184	User Permit: History	*CTL	[0 or 1 / **1** / 1/step] 0: Allow 1: Not Allow
185	User Permit: Screen Settings	*CTL	[0 or 1 / **1** / 1/step] 0: Allow 1: Not Allow
201	JPEG Quality	*CTL	[0 to 100 / **80** / 1%/step]
203	Memory	*CTL	[0 or 1 / **0** / 1/step] 0: Use extended memory 1: Not use extended memory
204	Vertical Scroll Display Setting	*CTL	[0 or 1 / **0** / 1/step]
206	Browser3	CTL	[0 to 255 / **0** / 1/step]
207	Browser4	CTL	[0 to 255 / **0** / 1/step]
208	Browser5	CTL	[0 to 255 / **0** / 1/step]

209	Browser6	CTL	[0 to 255 / **0** / 1/step]
210	Browser7	CTL	[0 to 255 / **0** / 1/step]
211	Browser8	CTL	[0 to 255 / **0** / 1/step]
212	Browser9	CTL	[0 to 255 / **0** / 1/step]
213	Browser10	CTL	[char. code + 0-255 bytechar. / **NULL** / -]

5748	**[OpePanel Setting]**		
	Imports and exports preference information.		
101	Op Type Action Setting	CTL	[0x00 to 0xFF / **0** / 0x01/step]
201	Cheetah Panel Connect Setting	CTL	[0 or 1 / **0** / 0/step]

5749	**[Import/Export]**		
	Imports and exports preference information.		
001	Export	CTL	[- / **-** / -] Target: System, Printer, Fax, Scanner Option: Unique, Secret Copy config: Encryption, Encryption key(if selected) [Execute]
101	Import	CTL	[- / **-** / -] Option: Unique Copy config: Encryption, Encryption key(if selected) [Execute]

5751	**[Key Event Encryption Setting]**		
	-		
001	Password	*CTL	[Letters (Up to 31) / **NULL** / -]

5752	**[Copy FlairAPIFunction Setting]**		
	CopyFlairAPI Function enable / disable.		
001	0x00 - 0xff	*CTL	* see BitSwitch below:

bit	Setting	meanings		Description
		0	1	
bit 0	Start of FlairAPI Server	**Off (Do not Start)**	On (Start)	Sets whether to start exclusive FlairAPI http server. If it is 0, scanning FlairAPI function and simple UI function will be disabled. The machine installed Android operating panel option, set “1”, others set “0”.
bit 1	Access permission of FlairAPI from outside of the machine	**Disabled**	Enabled	If it is “0”, accessing is limited from the machine only, such as operating panel, SDK/J, MFP browsers etc... If it is “1”, accessing is allowed from outside of FlairAPI such as PC, Remote UI, IT-Box etc...

bit 2	Switching IPv6 only / IPv4 (priolity)	**IPv6 only**	IPv4 (priolity)	If it is “0”, limited to IPv6 accessing. If it is “1”, use IPv4 if it is available, if not, use IPv6. In this case, it is not able to access from android operation panel when IPv4 is enabled.
bit 3	Reserved	-	-	-
bit 4	Simple UI Function	**Disabled**	Enabled	If it is “1”, the machine can be used Scanner Simple UI. If it is “0”, requesting URL of Simple UI returns “404 Not Found”
bit 5	Accessing permission of Simple UI from outside of the machine	**Disabled**	Enabled	If it is “0”, accessing is limited from the machine only (operating panel and MFP browser). If it is “1”, accessing is allowed from outside of Simple UI such as PC, mobile devices, and so on.
bit 6	Reserved	-	-	-
bit 7	Reserved	-	-	-

5789	**[Custom Paper Value Initialize]**		
	Custom Paper Value Initialize		
001	Custom Paper	ENG	[0 or 100 / **0** / 1/step] 0: All Custom Paper 1: Custom Paper 1

Note

- Memory Clear (SP5-801)
- The following tables list the items that are cleared. The serial number information, meter charge setting and meter charge counters (SP8-581, 582, 583, 584, and 586) are not cleared.

5792	[MCS Debug SW]		
001	1	CTL	[00000000(b) to 11111111(b) / 00000000(b) / -/step]
002	2	CTL	[00000000(b) to 11111111(b) / 00000000(b) / -/step]
003	3	CTL	[00000000(b) to 11111111(b) / 00000000(b) / -/step]
004	4	CTL	[00000000(b) to 11111111(b) / 00000000(b) / -/step]

5793	[ECS Debug SW]		
001	1	CTL	[00000000 to 11111111 / 00000000 / -/step]

5794	[Browser Debug]		
001	Browser Debug	CTL	[0 to 255 / **0** / 1/step]

5795	[SRM Debug SW]		
001	1	CTL	[0 to 255 / **-** / 1/step]

5796	[PLN Debug SW]		
001	1	CTL	[- / **-** / -] [Execute]

5801	[Cleae Memory]		
001	All Clear	CTL	[- / **-** / -] [Execute]
	Resets all correction data for process control and all software counters, and returns all modes and adjustments to their default values.		

5801	**[Cleae Memory]**		
	Clears the non-volatile memory for Engine.		
002	Engine	ENG	[- / - / -] [Execute]
5801	**[Cleae Memory]**		
	Select following SPs and press [Execute] on LCD. After executing, reboot the machine.		
003	SCS	CTL	[- / - / -] [Execute]
	Initializes default system settings, SCS (System Control Service) settings, operation display coordinates, and ROM update information.		
004	IMH Memory Clr	-	[- / - / -] [Execute]
005	MCS	CTL	[- / - / -] [Execute]
006	Copier Application	CTL	[- / - / -] [Execute]
	Initializes all copier application settings.		
007	Fax Application	CTL	[- / - / -] [Execute]
	Initializes the fax reset time, job login ID, all TX/RX settings, local storage file numbers, and off-hook timer.		
008	Printer Application	CTL	[- / - / -] [Execute]

	The following service settings: ▪ Bit switches ▪ Gamma settings (User & Service) ▪ Toner Limit The following user settings: ▪ Tray Priority ▪ Menu Protect ▪ System Setting except for setting of Energy Saver ▪ I/F Setup (I/O Buffer and I/O Timeout) ▪ PCL Menu		
009	Scanner Application	CTL	[- / - / -] [Execute]
	Initializes the scanner defaults for the scanner and all the scanner SP modes.		
010	Web Service	CTL	[- / - / -] [Execute]
	Deletes the network file application management files and thumbnails, and initializes the job login ID.		
011	NCS	CTL	[- / - / -] [Execute]
	All setting of Network Setup (User Menu) (NCS: Network Control Service)		
012	R-Fax	CTL	[- / - / -] [Execute]
	Initializes the job login ID, Smart Device Monitor for Admin, job history, and local storage file numbers.		
014	Clear DCS Setting	CTL	[- / - / -] [Execute]
	Initializes the DCS (Delivery Control Service) settings.		
015	Clear UCS Setting	CTL	[- / - / -] [Execute]

	Initializes the UCS (User Information Control Service) settings.		
016	MIRS Setting	CTL	[- / - / -] [Execute]
	Initializes the MIRS (Machine Information Report Service) settings.		
017	CCS	CTL	[- / - / -] [Execute]
	Initializes the CCS (Certification and Charge-control Service) settings.		
018	SRM Memory Clr	CTL	[- / - / -] [Execute]
	Initializes the SRM (System Resource Manager) settings.		
019	LCS	CTL	[- / - / -] [Execute]
	Initializes the LCS settings.		
020	Web Uapli	CTL	[- / - / -] [Execute]
	Initializes the web user application settings.		
021	ECS	CTL	[- / - / -] [Execute]
023	AICS	CTL	-
024	BROWSER	CTL	[- / - / -] [Execute]
	Initializes the browser settings.		
025	Websys	CTL	[- / - / -] [Execute]
	-		
026	PLN	CTL	[- / - / -] [Execute]
	-		

027	SAS	CTL	[- / **-** / -] [Execute]

5803	**[Input Check]**
	See page

5804	**[OUTPUTCheck]**
	See page

5805	**[OUTPUTCheck]**
	See page

5806	**[OUTPUTCheck]**
	See page

5807	**[Area Selection]**		
001	-	CTL	[- / **1** / 1/step] 1:DOM 2:NA 3:EU 4:TWN 5:AA 6:CHN

5810	**[SC Reset]**		
	Resets a type A service call condition. Note ▪ Turn the main switch off and on after resetting the SC code.		
001	Fusing SC Reset	ENG	[- / **-** / -] [Execute]

5811	**[MachineSerial]**		
	Machine Serial Number Display		
002	Display	*ENG	[0 to 255 / **0** / 1/step]
	Displays Machine Serial.		
004	Set:BCU	*ENG	[0 to 255 / **0** / 1/step]
	Sets Machine Serial.		
005	Set::Novita	ENG	[0 to 255 / **0** / 1/step]

5812	**[Service Tel. No. Setting]**		
001	Service	*CTL	[up to 20 / **-** / 1/step]
	Sets the telephone number for a service representative. This number is printed on the Counter List, which can be printed with the user's "Counter" menu. This can be up to 20 characters (both numbers and alphabetic characters can be input).		
002	Facsimile	*CTL	[up to 20 / **-** / 1/step]
	Sets the fax or telephone number for a service representative. This number is printed on the Counter List. This can be up to 20 characters (both numbers and alphabetic characters can be input).		
003	Supply	*CTL	[up to 20 / **-** / 1/step]
	Use this to input the telephone number of your supplier for consumables. Enter the number and press #.		

004	Operation	*CTL	[up to 20 / **-** / 1/step]
	Use this to input the telephone number of your sales agency. Enter the number and press #.		

5816	**[Remote Service]**		
001	I/F Setting	*CTL	[0 to 2 / **2** / 1/step] 0: Remote service off 1: CSS remote service on 2: NRS remote service on
	Selects the remote service setting.		
002	CE Call	*CTL	[0 or 1 / **0** / 1/step] 0: Start of the service 1: End of the service
	Performs the CE Call at the start or end of the service. Note ▪ This SP is activated only when SP 5816-001 is set to “2”.		
003	Function Flag	*CTL	[0 or 1 / **0** / 1/step] 0: Disabled, 1: Enabled
	Enables or disables the remote service function.		
004	Commnication Test Call	CTL	[- / **-** / -] [Execute]
005	Device Information Call	CTL	[- / **-** / -] [Execute]
007	SSL Disable	*CTL	[0 or 1 / **0** / 1/step] 0: No. SSL used. 1: Yes. SSL not used.
	Controls if RCG (Remote Communication Gate) confirmation is done by SSL during an RCG send for the @Remote over a network interface.		
008	RCG Connect Timeout	*CTL	[1 to 90 / **30** / 1second/step]
	Sets the length of time (seconds) for the time-out when the RCG (Remote Communication Gate) connects during a call via the @Remote network.		

009	RCG Write Timeout	*CTL	[0 to 100 / **60** / 1second/step]
	Sets the length of time (seconds) for the time-out when sent data is written to the RCG during a call over the @Remote network.		
010	RCG Read Timeout	*CTL	[0 to 100 / **60** / 1second/step]
	Sets the length of time (seconds) for the timeout when sent data is written from the RCG during a call over the @Remote network.		
011	Port 80 Enable	*CTL	[0 or 1 / **0** / 1/step] 0: No. Access denied 1: Yes. Access granted.
	Controls if permission is given to get access to the SOAP method over Port 80 on the @Remote network.		
012	@Remote Commnuication Rermission Setting	*CTL	[0 to 2 / **1** / 1/step] 0: Disabled 1: Enabled 2: Limited
013	RFU Timing	*CTL	[0 or 1 / **1** / 1/step] 0: Any status of a target machine 1: Sleep or panel off mode only
	Selects the timing for the remote firmware updating.		
014	RCG Error Cause	CTL	[0 or 1 / **0** / 1/step] 0: Initial state, normal condition 1: Error
	Displays RCG connection error. cause		
021	RCG-C Registed	*CTL	[0 or 1 / **0** / 1/step] 0: Installation not completed 1: Installation completed
	This SP displays the RCG-N installation end flag.		
023	Connect Type (N/M)	*CTL	[0 or 1 / **0** / 1/step] 0: Internet connection 1: Dial-up connection
	This SP displays and selects the RCG-N connection method.		

<table>
<tr><td rowspan="2">061</td><td>Cert Expire Timing</td><td>*CTL</td><td>[0 to 0xffffffff / 0 / 1/step]</td></tr>
<tr><td colspan="3">Proximity of the expiration of the certification.</td></tr>
<tr><td rowspan="2">062</td><td>Use Proxy</td><td>*CTL</td><td>[0 or 1 / 0 / 1/step]
0: Not use
1: Use</td></tr>
<tr><td colspan="3">This SP setting determines if the proxy server is used when the machine communicates with the service center.</td></tr>
<tr><td rowspan="2">063</td><td>Proxy Host</td><td>*CTL</td><td>[up to 127 / - / 1/step]</td></tr>
<tr><td colspan="3">This SP sets the address of the proxy server used for communication between the RCG device and the gateway. Use this SP to set up or display the customer proxy server address.
The address is necessary to set up the embedded RCG-N.
Note
▪ The address display is limited to 128 characters. Characters beyond the 128 character are ignored.
▪ This address is customer information and is not printed in the SMC report.</td></tr>
<tr><td rowspan="2">064</td><td>Proxy PortNumber</td><td>*CTL</td><td>[0 to 0xffff / 0 / 1/step]</td></tr>
<tr><td colspan="3">This SP sets the port number of the proxy server used for communication between the embedded RCG-N and the gateway. This setting is necessary to set up the embedded RC Gate-N.
Note
▪ This port number is customer information and is not printed in the SMC report.</td></tr>
<tr><td rowspan="2">065</td><td>Proxy User Name</td><td>*CTL</td><td>[up to 31 / - / 1/step]</td></tr>
<tr><td colspan="3">This SP sets the HTTP proxy certification user name.
Note
▪ The length of the name is limited to 31 characters. Any character beyond the 31st character is ignored.
▪ This name is customer information and is not printed in the SMC report.</td></tr>
<tr><td>066</td><td>Proxy Password</td><td>*CTL</td><td>[up to 31 / - / 1/step]</td></tr>
</table>

	This SP sets the HTTP proxy certification password. Note ▪ The length of the password is limited to 31 characters. Any character beyond the 31st character is ignored. ▪ This name is customer information and is not printed in the SMC report.		
067	CERT: Up State	*CTL	[0 to 255 / **0** / 1/step]
	Displays the status of the certification update.		
	0	The certification used by Embedded RC Gate is set correctly.	
	1	The certification request (setAuthKey) for update has been received from the GW URL and certification is presently being updated.	
	2	The certification update is completed and the GW URL is being notified of the successful update.	
	3	The certification update failed, and the GW URL is being notified of the failed update.	
	4	The period of the certification has expired and new request for an update is being sent to the GW URL.	
	11	A rescue update for certification has been issued and a rescue certification setting is in progress for the rescue GW connection.	
	12	The rescue certification setting is completed and the GW URL is being notified of the certification update request.	
	13	The notification of the request for certification update has completed successfully, and the system is waiting for the certification update request from the rescue GW URL.	
	14	The notification of the certification request has been received from the rescue GW controller, and the certification is being stored.	
	15	The certification has been stored, and the GW URL is being notified of the successful completion of this event.	
	16	The storing of the certification has failed, and the GW URL is being notified of the failure of this event.	

	17	The certification update request has been received from the GW URL, the GW URL was notified of the results of the update after it was completed, but a certification error has been received, and the rescue certification is being recorded.		
	18	The rescue certification of No. 17 has been recorded, and the GW URL is being notified of the failure of the certification update.		
068	CERT: Error		*CTL	[0 to 255 / **0** / 1/step]
	Displays a number code that describes the reason for the request for update of the certification.			
	0	Normal. There is no request for certification update in progress.		
	1	Request for certification update in progress. The current certification has expired.		
	2	An SSL error notification has been issued. Issued after the certification has expired.		
	3	Notification of shift from a common authentication to an individual certification.		
	4	Notification of a common certification without ID2.		
	5	Notification that no certification was issued.		
	6	Notification that GW URL does not exist.		
069	CERT:Up ID		*CTL	[- / **-** / -]
	The ID of the request for certification.			
083	Firm Up Status		*CTL	[0 to 5 / **0** / 1/step] 0: waiting for receiving firmware update. 1: waiting for scheduling firmware update start. 2: waiting for user confirmation 3: preparing for device firmware update. 4: processing device firmware update. 5: termination processing

	Displays the status of the firmware update		
085	Firm Up User Check	*CTL	[- / - / -]
	This SP setting determines if the operator can confirm the previous version of the firmware before the firmware update execution. If the option to confirm the previous version is selected, a notification is sent to the system manager and the firmware update is done with the firmware files from the URL.		
086	Firmware Size	*CTL	[- / - / -]
	Allows the service technician to confirm the size of the firmware data files during the firmware update execution.		
087	CERT:Macro Ver.	CTL	[8digits / - / 1digit/step]
	Displays the macro version of the @Remote certification. This SP displays 8-digit characters.		
088	CERT:PAC Ver.	CTL	[16digits / - / 1digit/step]
	Displays the PAC version of the @Remote certification. This SP displays 16-digit characters.		
089	CERT:ID2Code	CTL	[17digits / - / 1digit/step]
	Displays ID2 for the @Remote certification. Spaces are displayed as underscores (_). Asterisks (****) indicate that no @Remote certification exists. This SP displays 17-digit characters.		
090	CERT:Subject	CTL	[17digits / - / 1digit/step]
	Displays the common name of the @Remote certification subject. CN = the following 17 bytes. Spaces are displayed as underscores (_). Asterisks (****) indicate that no DESS exists.		
091	CERT:Serial No.	CTL	[16digits / - / 1digit/step]
	Displays serial number for the NRS certification. Asterisks (****) indicate that no DESS exists. This SP displays 16-digit characters		
092	CERT:Issuer	CTL	[30digits / - / 1digit/step]
	Displays the common name of the issuer of the @Remote certification. CN = the following 30 bytes. Asterisks (****)indicate that no DESS exists.		

093	CERT:Valid Start	CTL	[10digits / **-** / 1digit/step]
	Displays the start time of the period for which the current @Remote certification is enabled. This SP displays 10-digit characters.		
094	CERT:Valid End	CTL	[10digits / **-** / 1digit/step]
	Displays the end time of the period for which the current @Remote certification is enabled. This SP displays 10-digit characters.		
095	Server CN Check	*CTL	[0 or 1 / **0** / 1/step] 0: Check strictly 1: Check easely
096	GW Host	CTL	[- / **-** / -]
097	GW URL Path	CTL	[- / **-** / -]
099	Debug RescueG/WURL Set	CTL	[- / **-** / -] [Execute]
100	Specific Gateway Host	*CTL	[0 to 0xffffffff / **0.0.0.0** / 1]
101	Specific Gateway URL Path	*CTL	[- / **-** / -]
102	CERT:Encrypt Level	*CTL	[1 or 2 / **1** / 1/step] 1: 512 bit 2: 2048 bit
	Displays cryptic strength of the NRS certification.		
150	Selection Country	*CTL	[0 to 10 / **1** / 1/step] 0: Japan, 1: USA, 2: Canada, 3: UK, 4: Germany, 5: France, 6: Italy, 7: Netherlands, 8: Belgium, 9: Luxembourg, 10: Spain
	Select the country where embedded RCG-M is installed in the machine. After selecting the country, you must also set the following SP codes for embedded RCG-M: ▪ SP5816-153 ▪ SP5816-154 ▪ SP5816-161		

151	Line Type Automatic Judgement	CTL	[- / - / -] [Execute]
	Setting this SP classifies the telephone line where embedded RCG-M is connected as either dial-up (pulse dial) or push (DTMF tone) type, so embedded RCG-M can automatically distinguish the number that connects to the outside line. ▪ The current progress, success, or failure of this execution can be displayed with SP5816-152. ▪ If the execution succeeded, SP5816-153 will display the result for confirmation and SP5816-154 will display the telephone number for the connection to the outside line.		
152	Line Type Judgement Result	CTL	[0 to 255 / **0** / 1/step]
	Displays a number to show the result of the execution of SP5816 151. Here is a list of what the numbers mean. 0: Success 1: In progress (no result yet). Please wait. 2: Line abnormal 3: Cannot detect dial tone automatically 4: Line is disconnected 5: Insufficient electrical power supply 6: Line classification not supported 7: Error because fax transmission in progress – ioctl() occurred. 8: Other error occurred 9: Line classification still in progress. Please wait.		
153	Selection Dial / Push	*CTL	[0 or 1 / **0** / 1/step] 0: Tone Dialing Phone 1: Pulse Dialing Phone Inside Japan "2" may also be displayed: 0: Tone Dialing Phone 1: Pulse Dialing Phone 10PPS 2: Pulse Dialing Phone 20PPS
	This SP displays the classification (tone or pulse) of the telephone line to the access point for embedded RCG-M. The number displayed (0 or 1) is the result of the execution of SP5816-151. However, this setting can also be changed manually.		

154	Outside Line Outgoing Number	*CTL	[4digits / **-** / 1digit/step]
	The SP sets the number that switches to PSTN for the outside connection for embedded RCG-M in a system that employs a PBX (internal line). ▪ If the execution of SP5816-151 has succeeded and embedded RCG-M has connected to the external line, this SP display is completely blank. ▪ If embedded RCG-M has connected to an internal line, then the number of the connection to the external line is displayed. ▪ If embedded RCG-M has connected to an external line, a comma is displayed with the number. The comma is inserted for a 2 sec. pause. ▪ The number setting for the external line can be entered manually (including commas).		
155	PPPConnectTimeout	*CTL	[1 to 65536 / **60** / 1 / step]
	Modifies connection timeout when RCG-M is accessing to PPP.		
156	Dial Up User Name	*CTL	[up to 32 char. / **-** / -/step]
	Use this SP to set a user name for access to remote dial up. Follow these rules when setting a user name: ▪ Name length: Up to 32 characters ▪ Spaces and # allowed but the entire entry must be enclosed by double quotation marks (").		
157	Dial Up Password	*CTL	[up to 32 char. / **-** / -/step]
	Use this SP to set a password for access to remote dial up. Follow these rules when setting a user name: ▪ Name length: Up to 32 characters ▪ Spaces and # allowed but the entire entry must be enclosed by double quotation marks (").		
161	Local Phone Number	*CTL	[up to 24 numbers / **-** / -/step]
	Use this SP to set the telephone number of the line where embedded RCG-M is connected. This number is transmitted to and used by the Call Center to return calls. Limit: 24 numbers (numbers only)		
162	Connection Timing Adjustment Incoming	*CTL	[0 to 24 / **1** / 1/step]

<table>
<tr><td></td><td colspan="3">When the Call Center calls out to an embedded RCG-M modem, it sends a repeating ID tone (*#1#). This SP sets the time the line remains open to send these ID tones after the number of the embedded RCG-M modem is dialed up and connected.
The actual amount of time is this setting x 2 sec. For example, if you set "2" the line will remain open for 4 sec.</td></tr>
<tr><td rowspan="2">163</td><td>Access Point</td><td>*CTL</td><td>up to 16 char.</td></tr>
<tr><td colspan="3">This is the number of the dial-up access point for RCG-M. If no setting is done for this SP code, then a preset value (determined by the country selected) is used.
Default: 0
Allowed: Up to 16 alphanumeric characters</td></tr>
<tr><td rowspan="2">164</td><td>Line Connecting</td><td>*CTL</td><td>[0 to 1 / 0 / 1/step]
0: Sharing Fax
1: No Sharing Fax</td></tr>
<tr><td colspan="3">This SP sets the connection conditions for the customer. This setting dedicates the line to RCG-M only, or sets the line for sharing between RCG-M and a fax unit.
Note
▪ If this setting is changed, the copier must be cycled off and on.
▪ SP5816 187 determines whether the off-hook button can be used to interrupt a RCG-M transmission in progress to open the line for fax transaction.</td></tr>
<tr><td rowspan="2">173</td><td>Modem Serial No.</td><td>*CTL</td><td>[- / - / -]</td></tr>
<tr><td colspan="3">This SP displays the serial number registered for the RCG-M.</td></tr>
<tr><td rowspan="2">174</td><td>Retransmission Ringing</td><td>CTL</td><td>[- / - / -]
[Execute]</td></tr>
<tr><td colspan="3">Normally, it is best to allow unlimited time for certification and ID2 update requests, and for the notification that the certification has been completed. However, RCG-M generates charges based on transmission time for the customer, so a limit is placed upon the time allowed for these transactions.
If these transactions cannot be completed within the allowed time, do this SP to cancel the time restriction.</td></tr>
</table>

186	RCG-C M DebugBitSW	CTL	[0000000 to 11111111 / **00000000** / -]
187	FAX TX Priority	CTL	[0 to 1 / **0** / 1/step] 0: OFF 1: ON
200	Manual Polling	CTL	[- / **-** / -] [Execute]
	Executes the center polling manually.		
201	Regist Status	CTL	[0 to 4 / **0** / 1/step]
	Displays a number that indicates the status of the @Remote service device. 0: Neither the registered device by the external nor embedded RCG device is set. 1: The embedded RCG device is being set. Only Box registration is completed. In this status, this unit cannot answer a polling request from the external RCG. 2. The embedded RCG device is set. In this status, the external RCG unit cannot answer a polling request. 3. The registered device by the external RCG is being set. In this status the embedded RCG device cannot be set. 4 The registered module by the external RCG has not started.		
202	Letter Number	*CTL	[- / **-** / -]
	Allows entering the number of the request needed for the RCG-N device.		
203	Confirm Execute	CTL	[- / **-** / -] [Execute]
	Executes the inquiry request to the @Remote GW URL.		

204	Confirm Result	CTL	[0 to 255 / **0** / 1/step]
	Displays a number that indicates the result of the inquiry executed with SP5816 203. 0: Succeeded 1: Inquiry number error 3: Proxy error (proxy enabled) 4: Proxy error (proxy disabled) 5: Proxy error (Illegal user name or password) 6: Communication error 8: Other error 9: Inquiry executing		
205	Confirm Place	CTL	[- / **-** / -]
	Displays the result of the notification sent to the device from the GW URL in answer to the inquiry request. Displayed only when the result is registered at the GW URL.		
206	Register Execute	CTL	[- / **-** / -] [Execute]
	Executes "Embedded RCG Registration".		
207	Register Result	CTL	[0 to 255 / **0** / 1/step]
	Displays a number that indicates the registration result. 0: Succeeded 1: Inquiry number error 2: Registration in progress 3: Proxy error (proxy enabled) 4: Proxy error (proxy disabled) 5: Proxy error (Illegal user name or password) 8: Other error 9: Registration executing		

208	Error Code	CTL	[-2147483647 to 2147483647 / - / -/step]
	Displays a number that describes the error code that was issued when either SP5816-204 or SP5816-207 was executed.		
	Cause	Code	Meaning
	Illegal Modem Parameter	-11001	Chat parameter error
		-11002	Chat execution error
		-11003	Unexpected error
		-11004	Cutting process occurred during modem communication.
		-11005	NCS reboot occurred during modem communication.
	Operation Error,Incorrect Setting	-12002	Inquiry, registration attempted without acquiring device status.
		-12003	Attempted registration without execution of an inquiry and no previous registration.
		-12004	Attempted setting with illegal entries for certification and ID2.
		-12005	@Remote communication is prohibited. The device has an Embedded RC gate-related problem.
		-12006	A confirmation request was made after the confirmation had been already completed.
		-12007	The request number used at registration was different from the one used at confirmation.
		-12008	Update certification failed because mainframe was in use.
		-12009	D2 mismatch between an individual certification and NVRAM.

		-12010	Certification area is not initialized.
	Error Caused by Response from GW URL	-2385	Attempted dial up overseas without the correct international prefix for the telephone number.
		-2387	Not supported at the Service Center
		-2389	Database out of service
		-2390	Program out of service
		-2391	Two registrations for same device
		-2392	Parameter error
		-2393	Basil not managed
		-2394	Device not managed
		-2395	Box ID for Basil is illegal
		-2396	Device ID for Basil is illegal
		-2397	Incorrect ID2 format
		-2398	Incorrect request number format

209	Install Clear	CTL	[- / - / -] [Execute]
	Releases the machine from its embedded RCG setup.		
250	CommLog Print	CTL	[- / - / -]
	Prints the communication log. Note ▪ This SP is activated only when SP 5816-021 is set to “1”.		

5821	**[Remote Service Address]**		
002	RCG IP Address	*CTL	[00000000h to FFFFFFFFh / **00000000h** / 1/step]
	Sets the IP address of the RCG (Remote Communication Gate) destination for call processing at the remote service center.		
003	RCG Port	*CTL	[0 to 65535/ **443** / 1/step]
	Sets the port number of the RCG (Remote Communication Gate) destination for call processing at the remote service center.		
004	RCG URL Path	*CTL	[0 to 16 characters (half characters) Default **/RCG/services/** -]

5824	**[NV-RAM Data Upload]**		
	Uploads the NVRAM data to an SD card. Push Execute.		
001	NV-RAM Data Upload	CTL	[- / - / -] [Execute]

5825	**[NV-RAM Data Download]**		
	Downloads data from an SD card to the NVRAM in the machine. After downloading is completed, remove the card and turn the machine power off and on.		
001	NV-RAM Data Download	CTL	[- / - / -] [Execute]

5828	**[Network Setting]**		
001	IPv4 Address(Ethernet/IEEE 802.11)	*CTL	[00000000h to FFFFFFFFh / **11.22.33.44** / -]
002	IPv4 Subnet Mask (Ethernet/IEEE 802.11)	*CTL	[00000000h to FFFFFFFFh / **000.000.000.000** / -]

003	IPv4 Defult Gateway (Ethernet/IEEE 802.11)	*CTL	[00000000h to FFFFFFFFh / **000.000.000.000** / -]
006	DHCP(Ethernet/IEEE 802.11)	*CTL	[0 to 1 / **1** / 1/step] 0: Not use 1: Use
021	Active IPv4 Address	CTL	[00000000h to FFFFFFFFh / **00000000h** / -]
022	Active IPv4 Subnet Mask	CTL	[00000000h to FFFFFFFFh / **00000000h** / -]
023	Active IPv4 Gateway Address	CTL	[00000000h to FFFFFFFFh / **00000000h** / -]
050	1284 Compatiblity (Centro)	*CTL	[0 to 1 / **1** / 1/step] 0: Not Allow 1: Allow
052	ECP (Centro)	*CTL	[0 to 1 / **1** / 1/step] 0: Not Allow 1: Allow
065	Job Spooling	*CTL	[0 or 1 / **0** / 1/step] 0: Disabled, 1: Enabled
	Enables/disables Job Spooling.		
066	Job Spooling Clear: Start Time	*CTL	[0 or 1 / **1** / 1/step] 0: Data is cleared) 1: Automatically printed
	Treatment of the job when a spooled job exists at power on.		
069	Job Spooling (Protocol)	*CTL	[- / **0x7f : All Active** / -] 0: Off 1: Off bit0: LPR bit1: FTP bit2: IPP bit3: SMB bit4: BMLinkS bit5: DIPRINT bit6: sftp bit7: wsprnd

	This SP determines whether job spooling is enabled or disabled for each protocol. This is an 8-bit setting.		
087	Protocol usage	*CTL	[0 or 1 / **0x00000000** / 1bit/step]
	Shows which protocols have been used with the network. 0: Off (Not used the network with the protocol.) 1: On (Used the network with the protocol once or more.) bit0: IPsec, bit1: IPv6, bit2: IEEE 802. 1X, bit3:Wireless LAN, bit4: Security mode level setting, bit5:Appletalk, bit6: DHCP, bit7: DHCPv6, bit8: telnet, bit9: SSL, bit10: HTTPS, bit11: BMLinkS printing, bit12: diprint printing, bit13: LPR printing, bit14: ftp printing, bit15: rsh printing, bit16: SMB printing, bit17: WSD-Printer, bit18: WSD-Scanner, bit19: Scan to SMB, bit20: Scan to NCP, bit21: Reserve, bit22: Bluetooth, bit23: IEEE 1284, bit24: USB printing, bit25: Dynamic DNS, bit26: Netware printing, bit27: LLTD, bit28: IPP printing, bit29: IPP printing (SSL), bit30: ssh, bit31: sftp		
090	TELNET (0: OFF 1: ON)	*CTL	[0 or 1 / **1** / 1/step] 0: Disable 1: Enable
	Enables or disables the Telnet protocol.		
091	Web (0: OFF 1: ON)	*CTL	[0 or 1 / **1** / 1/step] 0: Disable, 1: Enable
	Enables or disables the Web operation.		
145	Active IPv6 Link Local Address	CTL	[00000000000000000000000000000000h to FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h / **00000000000000000000000000000040h** / -]
	This is the IPv6 local address link referenced on the Ethernet or wireless LAN (802.11b) in the format: "Link Local Address" + "Prefix Length" The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.		

147	SettingActive IPv6 Stateless Address 1	CTL	[00000000000000000000000000000000h to FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h / **00000000000000000000000000000040h** / -] These SPs are the IPv6 status addresses (1 to 5) referenced on the Ethernet or wireless LAN (802.11b) in the format: "Status Address" + "Prefix Length" The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.
149	SettingActive IPv6 Stateless Address 2	CTL	
151	SettingActive IPv6 Stateless Address 3	CTL	
153	SettingActive IPv6 Stateless Address 4	CTL	
155	SettingActive IPv6 Stateless Address 5	CTL	
156	IPv6 Manual Address	*CTL	[00000000000000000000000000000000h to FFFFFFFFFFFFFFFFFFFFFFFFFFFFFF80h / **00000000000000000000000000000040h** / -]
	This SP is the IPv6 manually set address referenced on the Ethernet or wireless LAN (802.11b) in the format: "Manual Set Address" + "Prefix Length" The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.		
158	IPv6 Gateway Address	*CTL	[00000000000000000000000000000000h to FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFh/ **00000000000000000000000000000000h** / -]
	This SP is the IPv6 gateway address referenced on the Ethernet or wireless LAN (802.11b). The IPv6 address consists of a total 128 bits configured in 8 blocks of 16 bits each.		
161	IPv6 Stateless Auto Setting	*CTL	[0 or 1 / **1** / 1/step] 0: Disable, 1: Enable
	Enables or disables the automatic setting for IPv6 stateless.		

236	Web Item visible	*CTL	[0x0000 to 0xffff / **0xffff** / -] 0: Not displayed, 1:Displayed bit0: Net RICOH bit1: Consumable Supplier bit2-15: Reserved (all)
	Displays or does not display the Web system items.		
237	Web shopping link visible	*CTL	[0 or 1 / **1** / 1/step] 0: Not display, 1:Display
	Displays or does not display the link to Net RICOH on the top page and link page of the web system.		
238	Web supplies Link visible	*CTL	[Up to 31char / **URL1** / 1/step] 0: Not display, 1:Display
	Displays or does not display the link to Consumable Supplier on the top page and link page of the web system.		
239	Web Link1 Name	*CTL	[Up to 31char / **URL1** / 1/step]
	This SP confirms or changes the URL1 name on the link page of the web system. The maximum characters for the URL name are 31 characters.		
240	Web Link1 URL	*CTL	[Up to 127char / **URL1** / 1/step]
	This SP confirms or changes the link to URL1 on the link page of the web system. The maximum characters for the URL are 127 characters.		
241	Web Link1 visible	*CTL	[0 or 1 / **1**/ 1 /step] 0: Not display, 1:Display
	Displays or does not display the link to URL1 on the top page of the web system.		
242	Web Link2 Name	*CTL	Same as "-239"
243	Web Link2 URL	*CTL	Same as "-240"
244	Web Link2 visible	*CTL	Same as "-241"
249	DHCPv6 DUID	*CTL	[- / **-** / -]

5832	**[HDD Formatting]**		
	Initializes the hard disk. Use this SP mode only if there is a hard disk error.		
001	HDD Formatting (ALL)	CTL	[- / **-** / -] [Execute]
002	HDD Formatting (IMH)	CTL	
003	HDD Formatting (Thumbnail)	CTL	
004	HDD Formatting (Job Log)	CTL	
005	HDD Formatting (Printer Fonts)	CTL	
006	HDD Formatting (User Info1)	CTL	
007	Mail RX Data	CTL	
008	Mail TX Data	CTL	
009	HDD Formatting (Data for a Design)	CTL	
010	HDD Formatting (Log)	CTL	
011	HDD Formatting (Ridoc I/F)	CTL	

5836	**[Capture Settings]**		
001	Capture Function (0:Off 1:On)	*CTL	[0 or 1 / **0** / 1/step] 0: Disable, 1: Enable
	With this function disabled, the settings related to the capture feature cannot be initialized, displayed, or selected.		
002	Panel Setting	*CTL	[0 or 1 / **0**/ 1 /step] 0: Displayed, 1: Not displayed
	Displays or does not display the capture function buttons.		

071	Reduction for Copy Color	*CTL	[0 or 3 / **2** / 1/step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4
072	Reduction for Copy B&W Text	*CTL	[0 to 3, 6 / **0** / 1/step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
073	Reduction for Copy B&W Other	*CTL	
074	Reduction for Printer Color	*CTL	[0 or 3 / **2** / 1/step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4
075	Reduction for Printer B&W	*CTL	[0 to 3, 6 / **0** / 1/step] 0: 1to-1 1: 1/2 2: 1/3 3: 1/4 6: 2/3
077	Reduction for Printer Color 1200dpi	*CTL	[1, 3 to 5 / **0** / 1/step] 1:1/2 3:1/4 4:1/6 5:1/8
078	Reduction for Printer B&W 1200dpi	*CTL	[1, 3 to 5 / **0** / 1/step] 1:1/2 3:1/4 4:1/6 5:1/8
081	Format for Copy Color	*CTL	[0 / **0** / 1/step]

082	Format for Copy B&W Text	*CTL	[0 to 3 / **1** / 1/step] 0: JFIF/JPEG, 1: TIFF/MMR, 2: TIFF/MH, 3: TIFF/MR
083	Format for Copy B&W Other	*CTL	[0 to 3 / **1** / 1/step] 0: JFIF/JPEG, 1: TIFF/MMR, 2: TIFF/MH, 3: TIFF/MR
084	Format for Printer Color	*CTL	[0 / **0** / 1/step]
085	Format for Printer B&W	*CTL	[0 to 3 / **1** / 1/step] 0: JFIF/JPEG, 1: TIFF/MMR, 2: TIFF/MH, 3: TIFF/MR
091	Default for JPEG	*CTL	[5 to 95 / **50** / 1/step]
	Sets the JPEG format default for documents sent to the document management server via the MLB with JPEG selected as the format. Enabled only when optional MLB (Media Link Board) is installed.		
101	Primary srv IP address	*CTL	[000.000.000.000 to 255.255.255.255 / **-** / 1/step]
	Sets the IP address for the primary capture server. This is basically adjusted by the remote system.		
102	Primary srv scheme	*CTL	[0 to 6 char / **NULL** / -/step]
	This is basically adjusted by the remote system.		
103	Primary srv port number	*CTL	[1 to 65535 / **80** / 1/step]
	This is basically adjusted by the remote system.		
104	Primary srv URL path	*CTL	[0 to 16 char / **-** / 1/step]
	This is basically adjusted by the remote system.		
111	Secondary srv IP address	*CTL	[000.000.000.000 to 255.255.255.255 / **-** / 1/step]
	Sets the IP address for the secondary capture server. This is basically adjusted by the remote system.		
112	Secondary srv scheme	*CTL	[0 to 6 char / **NULL** / -/step]
	This is basically adjusted by the remote system.		

113	Secondary srv port number	*CTL	[1 to 65535 / **80** / 1/step]
	This is basically adjusted by the remote system.		
114	Secondary srv URL path	*CTL	[0 to 16 char / **-** / 1/step]
	This is basically adjusted by the remote system.		
120	Default Reso Rate Switch	*CTL	[0 or 1 / **0** / 1/step]
	This is basically adjusted by the remote system.		
121	Reso: Copy(Color)	*CTL	[0 to 255 / **3** / 1/step]
	-		
122	Reso: Copy(Mono)	*CTL	[0 to 255 / **3** / 1/step]
	Selects the resolution for BW copy mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
124	Reso: Print(Mono)	*CTL	[0 to 255 / **3** / 1/step]
	Selects the resolution for BW print mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
125	Reso: Fax(Color)	*CTL	[0 to 255 / **4** / 1/step]
	Selects the resolution for color fax mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
126	Reso: Fax(Mono)	*CTL	[0 to 255 / **3** / 1/step]
	Selects the resolution for BW fax mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
127	Reso: Scanner(Color)	*CTL	[0 to 255 / **4** / 1/step]
	Selects the resolution for color scanning mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
128	Reso: Scanner(Mono)	*CTL	[0 to 255 / **3** / 1/step]

	Selects the resolution for BW scanning mode. This is basically adjusted by the remote system. 0: 600dpi/ 1: 400dpi/ 2: 300dpi/ 3: 200dpi/ 4: 150dpi/ 5: 100dpi/ 6: 75dpi		
141	All Addr Info Switch	*CTL	[0 or 1 / **1** / 1/step]
142	Stand-by Doc Max Number	*CTL	[10 to 10000 / **2000** / 1/step]

5840	**[IEEE 802.11]**		
	Channel Max	*CTL	[1 to 14 / **11 (NA), 13 (EU), 14 (JPN)** / 1/step] Range JPN: 1 to 14 NA: 1 to 11 EU: 1 to 13
006	Sets the maximum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the maximum end of the range for each area. Adjust the upper 4 bits to set the maximum number of channels. Note ▪ Do not change the setting.		
	Channel Min	*CTL	[1 to 14 / **1** / 1/step] Range JPN: 1 to 14 NA: 1 to 11 EU: 1 to 13
007	Sets the minimum number of channels available for data transmission via the wireless LAN. The number of channels available varies according to location. The default settings are set for the minimum end of the range for each area. Adjust the lower 4 bits to set the minimum number of channels. Note ▪ Do not change the setting.		

011	WEP key Select	*CTL	[00 to 11 / **00** / 1/step] 00: Key #1 01: Key #2 (Reserved) 10: Key #3 (Reserved) 11: Key #4 (Reserved)
	Selects the WEP key.		
045	WPA Debug Lvl	*CTL	[1 to 3 / **3** / 1/step] 1: Info, 2: warning, 3: error
	Selects the debug level for WPA authentication application. This SP is displayed only when the IEEE802.11 card is installed.		
046	11w	*CTL	[0 to 2 / **0** / 1/step]
047	PSK Set Type	*CTL	[0 to 1 / **0** / 1/step]

5841	**[Supply Name Setting]**		
001	Toner Name Setting:Black	*CTL	Specifies supply names. These appear on the screen when the user presses the Inquiry button in the user tools screen. [0 to 20 / **NULL** / 1byte/step]
002	Toner Name Setting:Cyan	*CTL	
003	Toner Name Setting:Yellow	*CTL	
004	Toner Name Setting:Magenta	*CTL	
007	OrgStamp	*CTL	
009	Waste Tonner Bottle	*CTL	
011	Staple Std1	*CTL	
012	Staple Std2	*CTL	
013	Staple Std3	*CTL	
014	Staple Std4	*CTL	
021	Staple Bind 1	*CTL	
022	Staple Bind 2	*CTL	
023	Staple Bind 3	*CTL	

5842	[GWWS Analysis]		
001	Setting 1	*CTL	[8bit assign / **00000000** / bit switch] 0bit[LSB]: system, other group 1bit: capture related group 2bit: authentication related group 3bit: address book related group 4bit: device management related group 5bit: output related(print, FAX, and delivery) group 6bit: repository, F0,etc. document related group 7bit: debug log level suppression
	Default: **00000000** – do not change Netfiles: Jobs to be printed from the document server using a PC and the DeskTopBinder software		
002	Setting 2	*CTL	[8bit assign / **00000000** / bit switch] 0~6bit: unused 7bit: time stamp setting for 5682mmesg log. (1: min./sec/msec, 0: day/hour/min./sec)
	Optional settings for debug output mode for each NFA process.		

5844	[USB]		
	-		
001	Transfer Rate	*CTL	[0x01 or 0x04 / **0x04** / -/step] 0x01: Full Speed 0x04: Auto Change
002	Vender ID	*CTL	[0000h to FFFFh / **5CAh** / -/step]
003	Product ID	*CTL	[000h to FFFh / **403h** / -/step]

004	Device Release Number	*CTL	[0 to 9999 / **100** / 1/step]
005	Fixed USB Port	*CTL	[0 to 2 / **0** / 1/step] 0: OFF 1: Level 1 2: Level 2
006	PnP Model Name	*CTL	[Letters(up to 20) / **Laser Printer** / -/step]
007	PnP Serial Number	*CTL	[Letters(up to 12) / **-** / -/step]
008	Mac Supply Level	*CTL	[0 or 1 / **1** / 1/step] 0: OFF 1: ON
100	Notify Unsupport	*CTL	[0 or 1 / **1** / 1/step]

5845	**[Delivery Server Setting]**		
	Provides items for delivery server settings.		
001	FTP Port No.	*CTL	[1 to 65535 / **3670** / 1/step]
	Sets the FTP port number used when image files to the Scan Router Server.		
002	IP Address (Primary)	*CTL	[000.000.000.000 to 255.255.255.255 / **-** / 1/step]
	Use this SP to set the Scan Router Server address. The IP address under the transfer tab can be referenced by the initial system setting.		
006	Delivery Error Display Time	*CTL	[0 to 999 / **300** / 1sec/step]
	Use this setting to determine the length of time the prompt message is displayed when a test error occurs during document transfer with the NetFile application and an external device.		
008	IP Address (Secondary)	*CTL	[000.000.000.000 to 255.255.255.255 / **000.000.000.000** / 1/step]
	Specifies the IP address assigned to the computer designated to function as the secondary delivery server of Scan Router. This SP allows only the setting of the IP address without reference to the DNS setting.		

009	Delivery Server Model	*CTL	[0 to 4/ **0** / 1/step] 0: Unknown 1: SG1 Provided 2: SG1 Package 3: SG2 Provided 4: SG2 Package
	Allows changing the model of the delivery server registered by the I/O device.		
010	Delivery Svr. Capability	*CTL	[0 to 255 / **0** / 1 /step]
	Changes the capability of the registered that the I/O device registered. Bit7 = 1 Comment information exits Bit6 = 1 Direct specification of mail address possible Bit5 = 1 Mail RX confirmation setting possible Bit4 = 1 Address book automatic update function exists Bit3 = 1 Fax RX delivery function exists Bit2 = 1 Sender password function exists Bit1 = 1 Function to link MK-1 user and Sender exists Bit0 = 1 Sender specification required (if set to 1, Bit6 is set to “0”)		
011	Delivery Svr Capability (Ext)	*CTL	[0 to 255 / **-** / x2/step]
	Changes the capability of the registered that the I/O device registered. Because SP5845-010 is full, set aside an area for future additional capabilities. Bit7 = 1: Not used Bit6 = 1: Not used Bit5 = 1: Not used Bit4 = 1: Not used Bit3 = 1: Not used Bit2 = 1: Not used Bit1 = 1: Not used Bit0 = 1: Not used		
013	Server Scheme (Primary)	*CTL	[Up to 6 char / **-** / -/step]
	This SP is used for the scan router program.		
014	Server Port Number (Primary)	*CTL	[1 to 65535 / **80** / 1/step]
	This SP is used for the scan router program.		
015	Server URL Path (Primary)	*CTL	[Up to 16 byte / **-** / -/step]

	This SP is used for the scan router program.		
016	Server Scheme (Secondary)	*CTL	[Up to 6 char / **-** / -/step]
	This SP is used for the scan router program.		
017	Server Port Number (Secondary)	*CTL	[1 to 65535 / **80** / 1/step]
	This SP is used for the scan router program.		
018	Server URL Path (Secondary)	*CTL	[Up to 16 byte / **-** / -/step]
	This SP is used for the scan router program.		
022	Rapid Sending Control	*CTL	[0 or 1 / **1** / -/step] 0: Control disabled 1: Control enabled
	Enables or disables the prevention function for the continuous data sending error.		

5846	**[UCS Setting]**		
001	Machine ID (for Delivery Server)	*CTL	[- / **-** / -]
	Displays the unique device ID in use by the delivery server directory. The value is only displayed and cannot be changed. This ID is created from the NIC MAC or IEEE 1394 EUI. The ID is displayed as either 6-byte or 8-byte binary.		
002	Machine ID Clear(for Delivery Server)	*CTL	[- / **-** / -] [Execute]
	Clears the unique ID of the device used as the name in the file transfer directory. Execute this SP if the connection of the device to the delivery server is unstable. After clearing the ID, the ID will be established again automatically by cycling the machine off and on.		
003	Maximum Entries	*CTL	[2000 to 20000 / **2000** / 1/step]
	Changes the maximum number of entries that UCS can handle. If a value smaller than the present value is set, the UCS managed data is cleared, and the data (excluding user code information) is displayed.		

006	Delivery Server Retry Timer	*CTL	[0 to 255 / **0** / 1/step]
	Sets the interval for retry attempts when the delivery server fails to acquire the delivery server address book.		
007	Delivery Server Retry Times	*CTL	[0 to 255 / **0** / 1/step]
	Sets the number of retry attempts when the delivery server fails to acquire the delivery server address book.		
008	Delivery Server Maximum Entries	*CTL	[2000 to 20000 / **2000** / 1/step]
	Sets the maximum number account entries of the delivery server user information managed by UCS.		
010	LDAP Search Timeout	*CTL	[1 to 255 / **60** / 1/step]
	Sets the length of the timeout for the search of the LDAP server.		
020	WSD Maximum Entries	*CTL	[5 to 250 / **250** / 1/step]
	Sets the maximum entries for the address book of the WSD (WS-scanner).		
021	Folder Auth Change	*CTL	[0 or 1 / **0** / 1/step] 0: Login User, 1: Destination
022	Initial Value of Upper Limit Count	*CTL	[0 to 999,999 / **500** / 1/step]
040	Addr Book Migration(USB->HDD)	*CTL	[- / **-** / -] [Execute]
041	Fill Addr Acl Info	*CTL	[- / **-** / -] [Execute]

	This SP must be executed immediately after installation of an HDD unit in a basic machine that previously had no HDD. The first time the machine is powered on with the new HDD installed, the system automatically takes the address book from the NVRAM and writes it onto the new HDD. However, the new address book on the HDD can be accessed only by the system administrator at this stage. Executing this SP by the service technician immediately after power on grants full address book access to all users. **Procedure** 1. Turn the machine off. 2. Install the new HDD. 3. Turn the machine on. 4. The address book and its initial data are created on the HDD automatically. 5. However, at this point the address book can be accessed by only the system administrator or key operator. 6. Enter the SP mode and do SP5846-041. After this SP executes successfully, any user can access the address book.		
043	Addr Book Media	*CTL	[0 to 30 / **0** /1/step] 0: Unconfirmed 1: SD Slot 1 2: SD Slot 2 3: SD Slot 3 4: USB Flash ROM 10: SD Slot 10 20: HDD 30: Nothing
	Displays the slot number where an address book data is in.		
046	Initialize All Setting & Addr Book	CTL	[- / **-** / -] [Execute]
047	Initialize Local Address Book	CTL	[- / **-** / -] [Execute]
	Clears the local address book information, including the user code.		
048	Initialize Delivery Addr Book	CTL	[- / **-** / -] [Execute]
	Clears the distribution address book information, except the user code.		

049	Initialize LDAP Addr Book	CTL	[- / - / -] [Execute]
	Clears the LDAP address book information, except the user code.		
050	Initialize All Addr Book	CTL	[- / - / -] [Execute]
	Clears all directory information managed by UCS, including all user codes.		
051	Backup All Addr Book	CTL	[- / - / -] [Execute]
	Uploads all directory information to the SD card.		
052	Restore All Addr Book	CTL	[- / - / -] [Execute]
	Downloads all directory information from the SD card.		
053	Clear Backup Info	CTL	[- / - / -] [Execute]
	Deletes the address book data from the SD card in the service slot. Deletes only the files that were uploaded from this machine. This feature does not work if the card is write-protected. Note ▪ After you do this SP, go out of the SP mode, and then turn the power off. Do not remove the SD card until the Power LED stops flashing.		
060	Search Option	*CTL	[0x00 to 0xff / **0x0f**/ 1/step]
	This SP uses bit switches to set up the fuzzy search options for the UCS local address book. Bit: Meaning 0: Checks both upper/lower case characters 1: Japan Only 2: Japan Only 3: Japan Only 4 to 7: Not Used		

062	Complexity Option 1	*CTL	[0 to 32 / **0** / 1/step]
	Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to **upper case** and sets the length of the password. Note ▪ This SP does not normally require adjustment. ▪ This SP is enabled only after the system administrator has set up a group password policy to control access to the address book.		
063	Complexity Option 2	*CTL	[0 to 32 / **0** / 1/step]
	Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to lower case and defines the length of the password.		
064	Complexity Option 3	*CTL	[0 to 32 / **0** / 1/step]
	Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to numbers and defines the length of the password.		
065	Complexity Option 4	*CTL	[0 to 32 / **0** / 1/step]
	Use this SP to set the conditions for password entry to access the local address book. Specifically, this SP limits the password entry to symbols and defines the length of the password.		
091	FTP Auth Port Setting	*CTL	[0 to 65535 / **3671** / 1/step]
	Specifies the FTP port for getting a distribution server address book that is used in the identification mode.		
094	Encryption Stat	*CTL	[0 to 255 / **-** / 1/step]
	Shows the status of the encryption function for the address book data.		

5847	[Rep Resolution Reduction]		
001	Rate for Copy Color	*CTL	[0 to 5 / **2** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8
002	Rate for Copy B&W Text	*CTL	[0 to 6 / **0** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8 6: x2/3
004	Rate for Printer Color	*CTL	[0 to 5 / **2** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8
005	Rate for Printer B&W	*CTL	[0 to 6 / **0** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8 6: x2/3

006	Rate for Printer Color 1200dpi	*CTL	[0 to 5 / **4** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8
007	Rate for Printer B&W 1200dpi	*CTL	[0 to 6 / **1** / 1/step] 0: x0 1: x1/2 2: x1/3 3: x1/4 4: x1/6 5: x1/8 6: x2/3
021	Network Quality Default for JPEG	*CTL	[5 to 95 / **50** / 1/step]

5848	**[Web Service]**		
	Sets the 4-bit switch assignment for the access control setting.		
002	Access Ctrl: Repository(OnlyLower4bits)	*CTL	[4bit assign / **0010** / bit switch] 0000: Access able 0001: Access control 0010: Write control
003	Accsess Ctrl: Doc. Svr. Print (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
004	Access Ctrl: udirectory (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
007	Access Ctrl: Comm. Log Fax (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control

009	Access Ctrl: Job Ctrl (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
011	Access Ctrl: Devicemanagement (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: Access Not Restricted 0001: Access Restricted
021	Access Ctrl: Delivery (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
022	Access Ctrl: uadministration (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
024	Access Ctrl: Log Service (Lower 4bits)	*CTL	[4bit assign / **0000** / bit switch] 0000: No access control 0001: Access control
099	Repository: Download Image Setting	*CTL	[4bit assign / **0000** / bit switch] From Right; First bit: For Mac OS Second bit: For Windows OS third bit: Other OS Fourth bit: No Use (0: Setting O, 1: Setting 1)
100	Repository: Download Image Max. Size	*CTL	[1 to 2048 / **2048** / 1nByte/step]
217	Setting: Timing	*CTL	[0 to 2 / **0** / 1/step]

5849	**[Installation Date]**		
001	Display	*CTL	[- / **-** / -]
002	Switch to Print	*CTL	[0 or 1 / **1** / 1 /step] 0: OFF (No Print) 1: ON (Print)
003	Total Counter	*CTL	[0 to 99999999 / **0** / 1/step]

5850	[Address Book Function]		
003	Replacement of Circuit Classifications	*CTL	[0 to 13 / **1** / 1/step]] 1: G3 2: EXT 3: G3-1 4: G3-1- EXT 5: G3-2 6: G3-2- EXT 7: G3-3 8: G3-3-EXT 9: G3-idle-EXT 10: idle-EXT 11: I-G3 12: I-G3-EXT 13: G4

5851	[Bluetooth]		
001	Mode	-	[0 or 1 / **0** / 1/step] 0: Public 1: Private

5853	[Stamp Date Download]		
	Push [Execute] to download the fixed stamp data from the machine ROM onto the hard disk. Then these stamps can be used by the system. If this is not done, the user will not have access to the fixed stamps ("Confidential", "Secret", etc.). You must always execute this SP after replacing the HDD or after formatting the HDD. Always switch the machine off and on after executing this SP.		
001	-	CTL	[- / **-** / -]

5856	**[Remote ROM Update]**		
	Allows the technician to upgrade the firmware using a local port (IEEE1284) when updating the remote ROM.		
002	Local Port	*CTL	[0 or 1 / **0** / 1/step] 0: Disable 1: Enable

5857	**[Debug Log Save]**		
001	Save Debug Log	*CTL	[0 to 2 / **0** / 1/Step]
	Enables log trace function or debug log saving function. The debug log cannot be captured until this feature is switched on. ▪ 0: Enables log trace function ▪ 1: Enables debug log saving function ▪ 2: OFF Note ▪ If “0” is selected, it disables the settings of SP5857-002 to 013 and gives executing failure. If “1” is selected, it disables ordinarily saving function; however, SP5857-101 to 112 are able to execute.		
002	Target (2:HDD 3:SD)	*CTL	[1 to 3 / **2** / 1/step] 1:IC Card 2: HDD 3: SD Card
	Sets the storage location for the debug log.		
005	Save to HDD	*CTL	[-999999 to 9999999 / **-** / 1/step]
	Saves the debug log of the input SC number in memory to the HDD. A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card.		
006	Save to SD Card	*CTL	[-999999 to 9999999 / **-** / 1/step]
	Saves the debug log of the input SC number in memory to the SD card.		

009	Copy HDD to SD Card (Latest 4MB)	*CTL	[- / - / -] [Execute]
	Takes the most recent 4 MB of the log written to the hard disk and copies them to the SD Card. A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card.		
010	Copy HDD to SD Card (Latest 4MB Any Key)	*CTL	[- / - / -] [Execute]
	Takes the log of the specified key from the log on the hard disk and copies it to the SD Card. A unique file name is generated to avoid overwriting existing file names on the SD Card. Up to 4 MB can be copied to an SD Card. 4 MB segments can be copied one by one to each SD Card. This SP does not execute if there is no log on the HDD with no key specified.		
011	Erase HDD Debug Data	*CTL	[- / - / -] [Execute]
	Erases all debug logs on the HDD		
012	Erase SD Card Debug Data	*CTL	[- / - / -] [Execute]
	Erases all debug logs on the SD Card. If the card contains only debugging files generated by an event specified by SP5858, the files are erased when SP5857 010 or 011 is executed. To enable this SP, the machine must be cycled off and on.		
013	Free Space on SD Card	*CTL	[- / - / -] [Execute]
	Displays the amount of space available on the SD card.		
014	Copy SD to SD (Latest 4MB)	*CTL	[- / - / -] [Execute]
	Copies the most recent 4 MB of the debug log from an SD card to a different SD card.		

015	Copy SD to SD (Latest 4MB Any Key)	*CTL	[- / - / -] [Execute]
	This SP copies the log on an SD card (the file that contains the information written directly from shared memory) to a log specified by key number.		
016	Make HDD Debug	*CTL	[- / - / -] [Execute]
	This SP creates a 32 MB file to store a log on the HDD.		
017	Make SD Debug	*CTL	[- / - / -] [Execute]
	This SP creates a 4 MB file to store a log on an SD card.		
101	Debug Logging Start Date	*CTL	[- / **20120101** / 1/step]
	Sets start date of the debug log output.		
102	Debug Logging End Date	*CTL	[- / **20371212** / 1/step]
	Sets end date of the debug log output.		
103	Acquire All Debug Logs	*CTL	[- / - / -] [Execute]
	Obtains all debug logs.		
104	Acquire Only Controller Debug	*CTL	[- / - / -] [Execute]
	Obtains controller debug log only.		
105	Acquire Only Engine Debug Logs	*CTL	[- / - / -] [Execute]
	Obtains engine debug log only.		
106	Acquire Only Snapshot Debug Logs	*CTL	[- / - / -] [Execute]
	Obtains snapshot debug log only.		
107	Acquire Only Opepanel Debug Logs	*CTL	[- / - / -] [Execute]
	Outputs the controller debug log to the media inserted front I/F.		

5858	**[Debug Save When]**		
	These SPs select the content of the debugging information to be saved to the destination selected by SP5857-002. SP5858-3 stores one SC specified by number. Refer to Section 4 for a list of SC error codes.		
001	Engine SC Error (0: OFF, 1: ON)	*CTL	[0 or 1 / **0** / 1/ step] 0: OFF, 1: ON
	Turns on/off the debug save for SC codes generated by copier engine errors.		
002	Controller SC Error (0: OFF, 1: ON)	*CTL	[0 or 1 / **0** / 1/ step] 0: OFF, 1: ON
	Turns on/off the debug save for SC codes generated by GW controller errors.		
003	Any SC Error	*CTL	[0 to 65535 / **0** / 1 /step]
	Sets the SC code whose logs are collected.		
004	Jam(0: OFF 1: ON)	*CTL	[0 or 1 / **0** / 1/ step] 0: OFF, 1: ON
	Turns on/off the debug save for jam errors.		

5859	**[Debug Save Key No.]**		
	These SPs allow you to set up to 10 keys for log files for functions that use common memory on the controller board.		
001	Key 1	*CTL	[–9999999 to 9999999 / **0** / 1 /step]
002	Key 2	*CTL	
003	Key 3	*CTL	
004	Key 4	*CTL	
005	Key 5	*CTL	
006	Key 6	*CTL	
007	Key 7	*CTL	
008	Key 8	*CTL	

009	Key 9	*CTL	
010	Key 10	*CTL	

5860	**[SMTP/POP3/IMAP4]**		
020	Partial Mail Receive Timeout	*CTL	[1 or 168 / **72** / 1/step]
021	MDN Response RFC2298 Compliance	*CTL	[0 or 1 / **1** / 1/step] 0: No 1: Yes
	Determines whether RFC2.5298 compliance is switched on for MDN reply mail.		
022	SMTP Auth. From Field Replacement	*CTL	[0 or 1 / **0** / 1/step]
025	SMTP Auth. Direct Setting	*CTL	[0 to 255 / **0** / - /step]
	Selects the authentication method for SMPT. Bit switch: Bit 0: LOGIN Bit 1: PLAIN Bit 2: CRAM MD5 Bit 3: DIGEST MD5 Bit 4 to 7: Not used Note ▪ This SP is activated only when SMTP authorization is enabled by UP mode.		
026	S/MIME: MIME Header	*CTL	[0 to 2 / **0** / 1 /step] 0: Microsoft Outlook Express standard 1: Internet Draft standard 2: RFC standard
	Selects the MIME header type of an E-mail sent by S/MIME.		
028	S/MIME: Authentication Check	*CTL	[0 to 1 / **0** / 1/step] 0: No (not check) 1: Yes (check)
	Specifys whether to check destination certificate when sending S/MIME mail.		

5866	[E-Mail Report]		
001	Report Validity	CTL	[0 or 1/ **0** / 1/step]
005	Add Date Field	*CTL	[0 or 1/ **0** / 1/step]

5870	[Common Key Info Writing]		
001	Writing	CTL	[- / **-** / -] [Execute]
	Writes the authentication data (used for NRS) in the memory.		
003	Initialize	CTL	[- / **-** / -] [Execute]
	Initializes the authentication data in the memory.		
004	Writing: 2048bit	CTL	[- / **-** / -] [Execute]
	Writes the authentication data 2048bit (used for NRS) in the memory.		

5873	[SD Card Appli Move]		
001	Move Exec	CTL	[- / **-** / -] [Execute]
	This SP copies the application programs from the original SD card in SD card slot 2 to an SD card in SD card slot 1.		
002	Undo Exec	CTL	[- / **-** / -] [Execute]
	This SP copies back the application programs from an SD card in SD Card Slot 2 to the original SD card in SD card slot 1. Use this menu when you have mistakenly copied some programs by using "Move Exec" (SP5873-1).		

5875	**[SC Auto Reboot]**		
	-		
001	Reboot Setting	*CTL	[0 or 1/ **0** / 1/step]
	Enables or disables the automatic reboot function when an SC error occurs. 0: The machine reboots automatically when the machine issues an SC error and logs the SC error code. If the same SC occurs again, the machine does not reboot. 1: The machine does not reboot when an SC error occurs. The reboot is not executed for Type A or C SC codes.		
002	Reboot Type	*CTL	[0 or 1 / **0** / 1/step] 0: Manual reboot 1: Automatic reboot
	Selects the reboot method for SC.		

5876	**[Security Clear]**		
	-		
001	All Clear	CTL	[- / **-** / -] [Execute]
011	Clear NCS Security Setting	CTL	[- / **-** / -] [Execute]
015	Clear UCS Security Setting	CTL	[- / **-** / -] [Execute]

5878	[Option Setup]		
001	Data Overwrite Security	CTL	[- / - / -] [Execute]
	Enables the Data Overwrite Security unit. Press "Execute" on the operation panel. Then turn the machine off and on.		
002	HDD Encryption	CTL	[- / - / -] [Execute]
	-		
004	OCR Dictionary	CTL	[- / - / -] [Execute]
	-		

5881	[Fixed Phrse Block Erasing]		
001	-	CTL	[- / - / -] [Execute]

5882	[CPM Set]		
001	-	CTL	[- / - / -] 0:a 1:b 2:c 3:d

5885	**[Set WIM Function]** Web Image Monitor Settings		
	Close or disclose the functions of web image monitor.		
020	DocSvr Acc Ctrl	*CTL	[8bit assign / **00000000** / bit switch] 0: OFF, 1: ON Bit Meaning 0: Forbid all document server access (1) 1: Forbid user mode access (1) 2: Forbid print function (1) 3: Forbid fax TX (1) 4: Forbid scan sending (1) 5: Forbid downloading (1) 6: Forbid delete (1) 7: Forbid guest user
050	DocSvr Format	*CTL	[0 to 2 / **0** / 1/step] 0: Thumbnail, 1: Icon, 2: Details
	Selects the display type for the document box list.		
051	DocSvr Trans	*CTL	[5 to 20 / **10** / 1/step]
	Sets the number of documents to be displayed in the document box list.		
100	Set Signature	*CTL	[0 to 2 / **0** / 1/step] 0: Setting for each e-mail 1: Signature for all 2: No signature
	Selects whether the signature is added to the scanned documents with the WIM when they are transmitted by an e-mail.		
101	Set Encrypsion	*CTL	[0 or 1 / **0** / 1/step] 0: Not encrypted, 1:Encryption
	Determines whether the scanned documents with the WIM are encrypted when they are transmitted by an e-mail.		

200	Detect Mem Leak	*CTL	[8bit assign / **00000000** / -/step] 0bit: Displays memory status when session time out 1bit: Displays diff of memory status og when WPF handler's start/end time. 3 to7bit: Not used.
201	DocSvr Timeout	-	[1 or 30 / **30** / 1/step]

5887	**[SD GetCounter]**		
001	SD GetCounter	CTL	[- / - / -] [Execute]
	This SP sends a text file to an SD card inserted in SD card Slot 2 (lower slot). The operation stores. The file is stored in a folder created in the root directory of the SD card called SD_COUNTER. The file is saved as a text file (*.txt) prefixed with the number of the machine. 1. Insert the SD card in SD card Slot 2 (lower slot). 2. Select SP5887 then touch [Execute]. Touch [Execute] in the message when you are prompted. Note ▪ "SD_COUNTER" folder must be created under the root directory of the SC card before this SP is executed.		

5888	**[Personal Information Protect]**		
001	Personal Information Protect	*CTL	[0 or 1 / **0** / 1/step]
	Selects the protection level for logs. 0: No authentication, No protection for logs 1: No authentication, Protected logs (only an administrator can see the logs)		

5893	[SDK Apli Cnt Name]		
001	SDK-1	CTL	[- / - / -] [Display text]
002	SDK-2	CTL	[- / - / -] [Display text]
003	SDK-3	CTL	[- / - / -] [Display text]
004	SDK-4	CTL	[- / - / -] [Display text]
005	SDK-5	CTL	[- / - / -] [Display text]
006	SDK-6	CTL	[- / - / -] [Display text]

5894	[External Mech Count Setting]		
001	Mech Counter Switch Setting	*ENG	[0 to 2 / **0** / 1/step]
	Mech Counter Switch Setting for External Mech Count Setting.		

5895	[Application invalidation]		
	-		
001	Printer	CTL	[- / - / -]
002	Scanner	CTL	[- / - / -]

5900	[Engine Log Upload]		
001	Pattern	*ENG	[0 to 4 / **0** / 1/step]
	Specifying Target Module group for Engine Log Upload.		
002	Trigger	*ENG	[0 to 3 / **0** / 1/step]
	Specifying Target Trigger group for Engine Log Upload.		

5907	**[Plug & Play Maker/Model Name]**		
001	Plug & Play Maker/Model/Name	*CTL	[- / **-** / -]
	Selects the brand name and the production name for Windows Plug & Play. This information is stored in the NVRAM. If the NVRAM is defective, these names should be registered again. After selecting, press the "Original Type" key and "**#**" key at the same time. When the setting is completed, the beeper sounds five times.		

5913	**[Switchover Permission Time]**		
	-		
001	Print Application Timer	*CTL	[0 to 30 / **3**/ 1/step]

5919	**[HDD Encryption]**		
	-		
001	Display Operating State	*CTL	[0 or 1 / **0** / 1/step] 0: OFF (Not working) 1: ON (Working)

5959	**[Paper Size]**		
001	1st Tray (Tandem)	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tandem Tray/Tandem LCT.		
002	1st Tray (A3 Kit)	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for A3 Extension Tray		
003	A4 LCT: Paper size	*ENG	[0 or 1 / **0** / 1/step]
	Sets paper size for A4 LCT.		
004	Tray2:1	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		

005	Tray2:2	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		
006	Tray2:3	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		
007	Tray2:4	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		
008	Tray2:5	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		
009	Tray2:6	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 2		
010	Tray3:1	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
011	Tray3:2	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
012	Tray3:3	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
013	Tray3:4	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
014	Tray3:5	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
015	Tray3:6	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 3		
016	Tray4:1	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		
017	Tray4:2	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		

018	Tray4:3	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		
019	Tray4:4	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		
020	Tray4:5	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		
021	Tray4:6	*ENG	[0 or 1 / **0** / 1/step]
	Size settings for Tray 4		

5960	**[A3 Tray Custom Paper Size Set]**		
001	Width (Main Scan)	*ENG	[210 to 205 / **297**/ 1/step]
	Settings for Main Scan Custom Paper size for A3 Extension Tray. * Since only millimeter [mm] is available on this SP, convert the inch-based data/originals to [mm] as below: A inch * 25.4 = B mm		
002	Length (Sub Scan)	*ENG	[210 to 439 / **210**/ 1/step]
	Settings for Sub Scan Custom Paper size for A3 Extension Tray. * Since only millimeter [mm] is available on this SP, convert the inch-based data/originals to [mm] as below: A inch * 25.4 = B mm		

5967	**[Copy Server: Set Function]**		
	Enables and disables the document server. This is a security measure that prevents image data from being left in the temporary area of the HDD. After changing this setting, you must switch the main switch off and on to enable the new setting.		
001	(0: ON 1: OFF)	*CTL	[0 or 1 / **0** / 1/step] 0: ON 1: OFF

5974	[Cherry Server]		
001	(0: Light 1: Full)	*CTL	[- / **-** / -]

5985	[Device Setting]		
001	On Board NIC	CTL	[0 or 2 / **0** / 1/step] 0: Disable 1: Enable 2: Enable(Limited)
002	On Board USB	CTL	[0 or 2 / **0** / 1/step] 0: Disable 1: Enable 2: Enable(Limited)

5987	[Mech. Counter]		
	Mech. Counter		
001	0:OFF / 1:ON	*ENG	[0 or 1 / **0**/ 1/step] 0:OFF 1:ON

5990	[SP Print Mode]		
	Prints out the SMC sheets.		
001	All(Data List)	CTL	[- / **-** / -] [Execute]
002	SP(Mode Data List)	CTL	
003	User Program	CTL	
004	Logging Data	CTL	
005	Diagnostic Report	CTL	
006	Non-Default	CTL	
007	NIB Summary	CTL	
008	Capture Log	CTL	[- / **-** / -]

021	Copier User Program	CTL	[Execute]
022	Scanner SP	CTL	
023	Scanner User Program	CTL	
024	SDK/J Summary	CTL	
025	SDK/J Application Info	CTL	
026	Printer SP	-	[- / - / -] [Execute]

5992	**[SP Text Mode]**		
	Exports the SMC sheet data to the SD Card. Press “Execute” key to start exporting the SMC data in the SP mode display.		
001	All(Data List)	CTL	[- / - / -] [Execute]
002	SP(Mode Data List)	CTL	
003	User Program	CTL	
004	Logging Data	CTL	
005	Diagnostic Report	CTL	
006	Non-Default	CTL	
007	NIB Summary	CTL	
008	Capture Log	CTL	
021	Copier User Program	CTL	
022	Scanner SP	CTL	
023	Scanner User Program	CTL	
024	SDK/J Summary	CTL	
025	SDK/J Application Info	CTL	
026	Printer SP	CTL	

5998	**[Fusing Warm UP]**		
001	Warm Up In Advance ON/OFF	*ENG	[0 or 1 / **1**/ 1/step] 1: Warm Up In Advance ON 0: Warm Up In Advance OFF
	Fusing operation for low noise warm up of ENG_ENABLE.		
002	Fusing ON Timing	*ENG	[0 or 1 / **1**/ 1/step]

MAIN SP TABLES-6

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
7 ~ 20	10/23/2013	Added *Shift Tray Jogger*, *Corner Stapling* and *Booklet Stapling*

4. MAIN SP TABLES-6

4.1 SP6-XXX (PERIPHERALS)

6006	**[ADF Adjustment]**		
001	Side-to-Side Regist: Front	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
	Executes ADF Adjustment for Front Side-to-Side Regist.		
002	Side-to-Side Regist: Rear	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
	Executes ADF Adjustment for Rear Side-to-Side Regist.		
010	L-Edge Regist (1-Pass): Front	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	Executes Front Sheet Through Regist Adjustment. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it.		
011	L-Edge Regist (1-Pass): Rear	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]
	Executes Rear Sheet Through Regist Adjustment. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it.		
012	1st Buckle (1-Pass)	*ENG	[-3.0 to 3.0 / **0.0** / 0.1 mm/step]
	Executes Pull-Out Roller Buckle Adjustment. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it.		
013	2nd Buckle (1-Pass)	*ENG	[-2.0 to 3.0 / **0.0** / 0.1 mm/step]
	Executes Interval Sensor Roller Buckle Adjustment. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it.		
014	T-Edge Erase (1-Pass): Front	*ENG	[-5.0 to 5.0 / **-1.5** / 0.1 mm/step]

	Executes Front T-Edge Regist Adjustment. ▪ Value increase: Increases Image T-Edge. ▪ Value decrease: Delete Image T-Edge. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it. Sets the initial value for -1.5mm instead of 0mm considering Original.		
015	T-Edge Erase (1-Pass): Rear	*ENG	[-5.0 to 5.0 / **-1.5** / 0.1 mm/step]
	Executes Rear T-Edge Regist Adjustment. ▪ Value increase: Increases Image T-Edge. ▪ Value decrease: Delete Image T-Edge. Corrects it into the maximum value within adjustable range if the value which exceeds the range is set. The previous setting value remains if setting is finished without fixing it. Sets the initial value for -1.5mm instead of 0mm considering Original.		

6009	**[ADF FreeRun]**		
001	Free Run Simplex Motion	ENG	[- / **-** / -] [Execute]
	Free Run Simplex Motion starts when an original is set in ADF.		
002	Free Run Duplex Motion	ENG	[- / **-** / -] [Execute]
	Free Run Duplex Motion starts when an original is set in ADF.		
003	Free Run Stamp Motion	ENG	[- / **-** / -] [Execute]
	Free Run Stamp Motion starts when an original is set in ADF.		

6010	**[Stamp Position Adj.]**		
	Adjusts Stamp Position. ▪ Value increase: Shifts Stamp Position to the side of Original Trailing Edge. ▪ Value decrease: Shifts Stamp Position to the side of Original Leading Edge.		
001	-	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 mm/step]

6011	**[1-Pass ADF INPUT Check]**
	See page

6012	**[1-Pass ADF OUTPUT Check]**
	See page

6016	**[Original Size Detect Setting]**		
	Sets which original size is to be determined in regard to the two original sizes which are impossible to be determined in ADF. Size for each bit differs depending on destinations. Sets the bit for default size for "0" when taking priority, and sets for "1" when Switch Size determines.		
001	-	*ENG	[0 to 255 / **0** / 1/step]

6017	**[DF Magnification Adj.]**		
	Executes Magnification fine adjustment. Changes Line Speed along with the Magnification Setting value.		
001	-	*ENG	[-5.0 to 5.0 / **0.0** / 0.1 %/step]

6020	**[Skew Correction Moving Setting]**		
	Skew Correction Moving (Skew Correction 2) into Interval Sensor Roller in ADF is executed only for small sizes (B6, A5, HLT) by default. It is possible to set to execute Skew Correction Moving for all sizes by setting for "1".		
001	-	*ENG	[0 or 1 / **0** / 1/step]

6030	**[DF Hinge] (SSP)**		
001	Hinge Open Counter	ENG	[0 to 999999 / **0** / 1/step]
	Records number of times that hinge opened with ADF lift up.		
002	Hinge Open Counter State	ENG	[0 or 1 / **0** / 1/step]
	Records status of open and close DF hinge when main unit is turned OFF.		
003	Hinge Open Counter Clear	ENG	[- / **-** / -] [Execute]
	SP6-030-001: Resets the counter for opening and closing of DF hinge part.		

6100	**[Sub-scanPunchPosAdj:2K/3K FIN]**		
	Adjusts the position for Length (Sub Scan) for Punch. ▪ Adjustment Value "-": Whole position shifts to the direction of the paper trailing edge when accepted. ▪ Adjustment Value "+": Whole position shifts to the direction of the paper leading edge when accepted.		
001	Domestic 2Hole(Europe 2Hole)	*ENG	[-7.5 to 7.5 / **0.0** / 0.1mm/step]
002	3-Hole: NA	*ENG	
003	4-Hole: EU	*ENG	
004	5-Hole: SCAN	*ENG	
005	2-Hole: NA	*ENG	

6101	**[Main-scanPunchPosAdj:2K/3K FIN]**		
	Adjusts the position for Length (Main Scan) for Punch. ▪ Adjustment Value "-": Whole position shifts to the front of the machine. ▪ Adjustment Value "+": Whole position shifts to the rear of the machine.		
001	Domestic 2Hole(Europe 2Hole)	*ENG	[-2.0 to 2.0 / **0.0** / 0.1mm/step]
002	3-Hole: NA	*ENG	
003	4-Hole: EU	*ENG	
004	5-Hole: SCAN	*ENG	
005	2-Hole: NA	*ENG	

6102	**[SkewCorrectBuckleAdj:2K/3K FIN]**		
	Adjusts Skew Correction Buckle when punching specified papers. ▪ Adjustment Value "-": Buckle decreases. ▪ Adjustment Value "+": Buckle increases.		
001	A3 SEF	*ENG	[-5.0 to 5.0 / **0.0** / 0.2mm/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5T	*ENG	
006	B5Y	*ENG	[-5.0 to 5.0 / **0.0** / 0.2mm/step]
007	A5Y	*ENG	
008	DLT SEF	*ENG	
009	LG SEF	*ENG	
010	LT SEF	*ENG	
011	LT-Y	*ENG	[-5.0 to 5.0 / **0.0** / 0.2mm/step]
012	HLT-Y	*ENG	

013	12"*18"	*ENG	
014	8-Kai SEF	*ENG	
015	16-Kai SEF	*ENG	
016	16-Kai LEF	*ENG	
017	Other	*ENG	[-5.0 to 5.0 / **0.0** / 0.2mm/step]
	Adjusts Skew Correction Buckle when punching specified papers. ▪ Adjustment Value "-": Buckle decreases. ▪ Adjustment Value "+": Buckle increases.		

6103	**[SkewCorrectCtrlSW:2K/3K FIN]**		
	Switches Skew Correction Control (Stop Skew Correction ON/OFF) when punching specified papers.		
001	A3 SEF	*ENG	[0 or 1 / **0** / 1/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5T	*ENG	
006	B5Y	*ENG	[0 or 1 / **0** / 1/step]
007	A5Y	*ENG	
008	DLT SEF	*ENG	
009	LG SEF	*ENG	
010	LT SEF	*ENG	
011	LT-Y	*ENG	[0 or 1 / **0** / 1/step]
012	HLT-Y	*ENG	
013	12"*18"	*ENG	
014	8-Kai SEF	*ENG	
015	16-Kai SEF	*ENG	

016	16-Kai LEF	*ENG	
017	Other	ENG	[0 or 1 / **0** / 1/step]
	Switches Skew Correction Control (Stop Skew Correction ON/OFF) when punching specified papers.		

SHIFT TRAY JOGGER

6104	**[ShiftTrayJogPosAdj:2K/3K FIN]**		
	Adjusts the position for moving direction (Main Scan) of Shift Tray Jogger when feeding papers other than specified papers. ▪ Adjustment Value "-": Movement in the direction that Shift Tray Jogger width becomes narrower than the standard value, ▪ Adjustment Value "+": Movement in the direction that Shift Tray Jogger width becomes wider than the standard value		
001	A3 SEF	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5Y	*ENG	
006	A5Y	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
007	DLT SEF	*ENG	
008	LG SEF	*ENG	
009	LT SEF	*ENG	
010	LT-Y	*ENG	
011	HLT-Y	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
012	8-Kai SEF	*ENG	
013	16-Kai LEF	*ENG	

014	Other	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
	Adjusts the position for moving direction (Main Scan) of Shift Tray Jogger when feeding papers other than specified papers. ▪ Adjustment Value "-": Movement in the direction that Shift Tray Jogger width becomes narrower than the standard value, ▪ Adjustment Value "+": Movement in the direction that Shift Tray Jogger width becomes wider than the standard value		

SHIFT TRAY JOGGER

6105	**[ShftTJogRtrctAngAdj:2K/3K FIN]**		
	Adjusts Shift Tray Jogger Retract Angle when feeding specified papers. ▪ Adjustment Value "+": Upper direction, ▪ Adjustment Value "-": Lower direction.		
001	A3 SEF	*ENG	[-10 to 10 / **0** / 5 deg/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	DLT SEF	ENG	
005	LG SEF	ENG	
006	LT SEF	ENG	
007	8-Kai SEF	ENG	
008	Other	ENG	[-10 to 10 / **0** / 5 deg/step]
	Adjusts Shift Tray Jogger Retract Angle when feeding specified papers. ▪ Adjustment Value "+": Upper direction, ▪ Adjustment Value "-": Lower direction.		

6106	**[Use Paper Jogger: 2K/3K FIN]**		
	Determines whether to use Shift Tray Jogger when feeding specified papers. Does not use Shift Tray Jogger when selecting "1".		
001	A3 SEF	*ENG	[0 or 1 / **0** / 1/step]
002	B4 SEF	*ENG	

003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5Y	*ENG	[0 or 1 / **0** / 1/step]
006	A5Y	*ENG	
007	DLT SEF	*ENG	
008	LG SEF	*ENG	
009	LT SEF	*ENG	
010	LT-Y	*ENG	[0 or 1 / **0** / 1/step]
011	HLT-Y	*ENG	
012	8-Kai SEF	*ENG	
013	16-Kai LEF	*ENG	
014	Other	*ENG	[0 or 1 / **0** / 1/step]
	Determines whether to use Shift Tray Jogger when feeding specified papers. Does not use Shift Tray Jogger when selecting "1".		

CORNER STAPLING

6107	**[JogPosAdj(CrnrStplr):2K/3K FIN]**		
	Adjusts Corner Stapler Jogger width (Main Scan position) when jogging specified papers. ▪ Adjustment Value "-": Movement in the direction that Jogger width becomes narrower than the standard value, ▪ Adjustment Value "+": Movement in the direction that Jogger width becomes wider than the standard value.		
001	A3 SEF	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5T	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
006	B5Y	*ENG	

007	DLT SEF	*ENG	
008	LG SEF	*ENG	
009	LT SEF	*ENG	
010	LT-Y	*ENG	
011	8-Kai SEF	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
012	16-Kai SEF	*ENG	
013	16-Kai LEF	*ENG	
014	Other	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
	Adjusts Corner Stapler Jogger width (Main Scan position) when jogging specified papers. ▪ Adjustment Value "-": Movement in the direction that Jogger width becomes narrower than the standard value, ▪ Adjustment Value "+": Movement in the direction that Jogger width becomes wider than the standard value.		

6108	**[JogPosAdj(BookStplr):2K/3K FIN]**		
	Adjusts Book Stapler Jogger width (Main Scan position) when jogging specified papers. ▪ Adjustment Value "-": Movement in the direction that Jogger width becomes narrower than the standard value, ▪ Adjustment Value "+": Movement in the direction that Jogger width becomes wider than the standard value.		
001	A3 SEF	*ENG	[-1.5 to 1.5 / **0.0** / 0.5mm/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	B5T	*ENG	
005	DLT SEF	*ENG	
006	LG SEF	*ENG	
007	LT SEF	*ENG	

008	12"*18"	*ENG	
009	8-Kai SEF	*ENG	
010	Other	*ENG	

CORNER STAPLING

6109	**[CrnrStplrJogTimeAdj:2K/3K FIN]**		
	Adjusts jogging time for Corner Stapler Jogger Fence when jogging specified papers (Only the last paper).		
001	A3 SEF	*ENG	[0 to 2 / **0** / 1 time/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	A4Y	*ENG	
005	B5T	*ENG	[0 to 2 / **0** / 1 time/step]
006	B5Y	*ENG	
007	DLT SEF	*ENG	
008	LG SEF	*ENG	
009	LT SEF	*ENG	
010	LT-Y	*ENG	
011	8-Kai SEF	*ENG	[0 to 2 / **0** / 1 time/step]
012	16-Kai SEF	*ENG	
013	16-Kai LEF	*ENG	
014	Other	*ENG	[0 to 2 / **0** / 1 time/step]
	Adjusts jogging time for Corner Stapler Jogger Fence when jogging specified papers (Only the last paper).		

BOOKLET STAPLING

6110	**[BookStplrJogTimeAdj:2K/3K FIN]**		
	Adjusts jogging time for Book Stapler Jogger Fence when jogging specified papers (Only the last paper).		
001	A3 SEF	*ENG	[0 to 2 / **0** / 1 time/step]
002	B4 SEF	*ENG	
003	A4 SEF	*ENG	
004	B5T	*ENG	
005	DLT SEF	*ENG	[0 to 2 / **0** / 1 time/step]
006	LG SEF	*ENG	
007	LT SEF	*ENG	
008	12"*18"	*ENG	
009	8-Kai SEF	*ENG	
010	Other	*ENG	[0 to 2 / **0** / 1 time/step]
	Adjusts jogging time for Book Stapler Jogger Fence when jogging specified papers (Only the last paper).		

CORNER STAPLING

6111	**[Staple Position Adj: 2K/3K FIN]**		
	Adjusts staple positions such as 2K/3K/FIN (Main Scan direction) for specified papers. ▪ Adjustment Value "-": Staple position shifts to the front of the machine. ▪ Adjustment Value "+": Staple position shifts to the rear of the machine.		
001	A3 SEF	*ENG	[-3.5 to 3.5 / **0.0** / 0.5mm/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	A4Y	ENG	
005	B5T	ENG	[-3.5 to 3.5 / **0.0** / 0.5mm/step]
006	B5Y	ENG	

007	DLT SEF	ENG	
008	LG SEF	ENG	
009	LT SEF	ENG	
010	LT-Y	ENG	
011	8-Kai SEF	ENG	[-3.5 to 3.5 / **0.0** / 0.5mm/step]
012	16-Kai SEF	ENG	
013	16-Kai LEF	ENG	
014	Other	ENG	[-3.5 to 3.5 / **0.0** / 0.5mm/step]
	Adjusts staple positions such as 2K/3K/FIN (Main Scan direction) for specified papers. ▪ Adjustment Value "-": Staple position shifts to the front of the machine. ▪ Adjustment Value "+": Staple position shifts to the rear of the machine.		

BOOKLET STAPLING

6112	**[BookletStaplerPosAdj:2K/3K FIN]**		
	Adjusts staple position (Sub Scan direction) for Book Stapler for specified papers. ▪ Adjustment Value "-": Staple position shifts to the direction of the paper trailing edge when accepted. ▪ Adjustment Value "+": Staple position shifts to the direction of the paper leading edge when accepted.		
001	A3 SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
002	B4 SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
003	A4 SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
004	B5T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
005	DLT SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
006	LG SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
007	LT SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
008	12"x18"	*ENG	[-1.8 to 1.8 / **0.0** / 0.2mm/step]
009	8-Kai SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]

010	Other	*ENG	[-1.8 to 1.8 / **0.0** / 0.2mm/step]
	Adjusts staple position (Sub Scan direction) for Book Stapler for specified papers. ▪ Adjustment Value "-": Staple position shifts to the direction of the paper trailing edge when accepted. ▪ Adjustment Value "+": Staple position shifts to the direction of the paper leading edge when accepted.		

BOOKLET STAPLING

6113	**[BookletFolderPosAdj:2K/3K FIN]**		
	Adjusts folding position (Sub Scan direction) for Booklet Folder for specified papers. ▪ Adjustment Value "-": Staple position shifts to the direction of the paper trailing edge when accepted. ▪ Adjustment Value "+": Staple position shifts to the direction of the paper leading edge when accepted.		
001	A3T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
002	B4T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
003	A4T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
004	B5T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
005	DLT-T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
006	LG-T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
007	LT-T	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
008	12"*18"	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
009	8K SEF	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
010	Other	*ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
	Adjusts folding position (Sub Scan direction) for Booklet Folder for specified papers. ▪ Adjustment Value "-": Staple position shifts to the direction of the paper trailing edge when accepted. ▪ Adjustment Value "+": Staple position shifts to the direction of the paper leading edge when accepted.		

6114	**[Fold Speed Adj.: 2K/3K FIN]**		
	Adjusts Fold Speed (Crease Time) for Booklet Folder for specified papers. Adjustment value: 0 (Standard), Adjustment value: 1 (Mid Speed: Standard + 2.6[sec]), Adjustment value: 2 (Low Speed: Standard + 5.2[sec])		
001	A3 SEF	*ENG	[0 to 2 / **0** / 1/step]
002	B4 SEF	ENG	[0 to 2 / **0** / 1/step]
003	A4 SEF	ENG	[0 to 2 / **0** / 1/step]
004	B5 SEF	ENG	[0 to 2 / **0** / 1/step]
005	DLT SEF	ENG	[0 to 2 / **0** / 1/step]
006	LG SEF	ENG	[0 to 2 / **0** / 1/step]
007	LT SEF	ENG	[0 to 2 / **0** / 1/step]
008	12"x18"	ENG	[0 to 2 / **0** / 1/step]
009	8K SEF	ENG	[0 to 2 / **0** / 1/step]
010	Other	ENG	[0 to 2 / **0** / 1/step]
	Adjusts Fold Speed (Crease Time) for Booklet Folder for specified papers. Adjustment value: 0 (Standard), Adjustment value: 1 (Mid Speed: Standard + 2.6[sec]), Adjustment value: 2 (Low Speed: Standard + 5.2[sec])		

6115	**[Finisher Free Run: 2K/3K FIN]**		
001	Free Run 1	ENG	[0 or 1 / **0** / 1/step]
	Executes Free Run in Shift Mode: No Paper.		
002	Free Run 2	ENG	[0 or 1 / **0** / 1/step]
	Executes Free Run in Corner Stapler Mode: No Paper.		
003	Free Run 3	ENG	[0 or 1 / **0** / 1/step]
	Executes Free Run in Book Stapler Mode: No Paper.		

004	Free Run 4	ENG	[0 or 1 / **0** / 1/step]
	Does not use in VOLGA.		

CORNER STAPLING

6116	**[CrnrStplrMxPrstkShAdj:2K/3KFIN]**		
	Adjusts Maximum Pre-Stack Number for Corner Stapler for specified papers. Adjustment value: 0; 1 sheet Pre-Stack (Standard), Adjustment value: -1: No Pre-Stack.		
001	A3 SEF	*ENG	[-1 to 0 / **0** / 1 page/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	A4Y	ENG	
005	B5T	ENG	[-1 to 0 / **0** / 1 page/step]
006	B5Y	ENG	
007	DLT SEF	ENG	
008	LG SEF	ENG	
009	LT SEF	ENG	
010	LT-Y	ENG	
011	8-Kai SEF	ENG	[-1 to 0 / **0** / 1 page/step]
012	16-Kai SEF	ENG	
013	16-Kai LEF	ENG	
014	Other	ENG	[-1 to 0 / **0** / 1 page/step]
	Adjusts Maximum Pre-Stack Number for Corner Stapler for specified papers. Adjustment value: 0; 1 sheet Pre-Stack (Standard), Adjustment value: -1: No Pre-Stack.		

BOOKLET STAPLING

6117	**[BookStplrMxPrstkShAdj:2K/3KFIN]**		
	Adjusts Maximum Pre-Stack Number for Book Stapler for specified papers. Adjustment value: 0; 3 sheets Pre-Stack (Standard), Adjustment value: -1: 2 sheets Pre-Stack, Adjustment value: -2: 1 sheet Pre-Stack, Adjustment value: -3 to -7: No Pre-Stack		
001	A3 SEF	*ENG	[-7 to 0 / **0** / 1 page/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	B5T	ENG	
005	DLT SEF	ENG	[-7 to 0 / **0** / 1 page/step]
006	LG SEF	ENG	
007	LT SEF	ENG	
008	12"*18"	ENG	
009	8-Kai SEF	ENG	
010	Other	ENG	[-7 to 0 / **0** / 1 page/step]
	Adjusts Maximum Pre-Stack Number for Book Stapler for specified papers. Adjustment value: 0; 3 sheets Pre-Stack (Standard), Adjustment value: -1: 2 sheets Pre-Stack, Adjustment value: -2: 1 sheet Pre-Stack, Adjustment value: -3 to -7: No Pre-Stack		

CORNER STAPLING

6118	**[CrnrStplrPrstkOffsAdj:2K/3KFIN]**		
	Adjusts Pre-Stack Offset (Offset of 1st page from 2nd page in Sub Scan direction) for Corner Stapler for specified papers. There is 20mm offset by default. "+" Adjustment Value is the direction that offset increases, and "-" Adjustment Value is the direction that it decreases.		
001	A3 SEF	*ENG	[-16 to 16 / **0** / 2mm/step]

002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	A4Y	ENG	
005	B5T	ENG	[-16 to 16 / **0** / 2mm/step]
006	B5Y	ENG	
007	DLT SEF	ENG	
008	LG SEF	ENG	
009	LT SEF	ENG	
010	LT-Y	ENG	
011	8-Kai SEF	ENG	[-16 to 16 / **0** / 2mm/step]
012	16-Kai SEF	ENG	[-16 to 16 / **0** / 2mm/step]
013	16-Kai LEF	ENG	[-16 to 16 / **0** / 2mm/step]
014	Other	ENG	[-16 to 16 / **0** / 2mm/step]
	Adjusts Pre-Stack Offset (Offset of 1st page from 2nd page in Sub Scan direction) for Corner Stapler for specified papers. There is 20mm offset by default. "+" Adjustment Value is the direction that offset increases, and "-" Adjustment Value is the direction that it decreases.		

BOOKLET STAPLING

6119	**[BookStplrPrstkOffsAdj:2K/3KFIN]**		
	Adjusts Pre-Stack Offset (Offset of 1st page from 2nd page, and of 2nd page from 3rd page in Sub Scan direction) for Book Stapler for specified papers. There is no offset by default. "+" Adjustment Value is the direction that offset increases, and "-" Adjustment Value is the direction that it decreases.		
001	A3 SEF	*ENG	[-30 to 30 / **0** / 2mm/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	B5T	ENG	

005	DLT SEF	ENG	[-30 to 30 / **0** / 2mm/step]
006	LG SEF	ENG	
007	LT SEF	ENG	
008	12"*18"	ENG	
009	8-Kai SEF	ENG	
010	Other	ENG	[-30 to 30 / **0** / 2mm/step]
	Adjusts Pre-Stack Offset (Offset of 1st page from 2nd page, and of 2nd page from 3rd page in Sub Scan direction) for Book Stapler for specified papers. There is no offset by default. "+" Adjustment Value is the direction that offset increases, and "-" Adjustment Value is the direction that it decreases.		

CORNER STAPLING

6120	**[CrnStpPosExFeedAmtAdj:2K/3KFIN]**		
	Adjusts Positioning Roller ExFeedAmt (Sub Scan direction) for Corner Stapler for specified papers.		
001	A3 SEF	*ENG	[0 to 30 / **0** / 10mm/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	A4Y	ENG	
005	B5T	ENG	[0 to 30 / **0** / 10mm/step]
006	B5Y	ENG	
007	DLT SEF	ENG	
008	LG SEF	ENG	
009	LT SEF	ENG	
010	LT-Y	ENG	
011	8-Kai SEF	ENG	[0 to 30 / **0** / 10mm/step]
012	16-Kai SEF	ENG	
013	16-Kai LEF	ENG	

014	Other	ENG	
	Adjusts Positioning Roller ExFeedAmt (Sub Scan direction) for Corner Stapler for specified papers.		

BOOKLET STAPLING

6122	**[BkFoldJogSolMovAmtAdj:2K/3KFIN]**		
	Adjusts Booklet Folder JogSolMovAmt for Book Stapler for specified papers. ▪ Adjustment Value "+": Upper direction, ▪ Adjustment Value "-": Lower direction.		
001	A3 SEF	*ENG	[-5 to 5 / **0** / 2mm/step]
002	B4 SEF	ENG	
003	A4 SEF	ENG	
004	B5T	ENG	
005	DLT SEF	ENG	[-5 to 5 / **0** / 2mm/step]
006	LG SEF	ENG	
007	LT SEF	ENG	
008	12"*18"	ENG	
009	8-Kai SEF	ENG	
010	Other	ENG	
	Adjusts Booklet Folder JogSolMovAmt for Book Stapler for specified papers. ▪ Adjustment Value "+": Upper direction, ▪ Adjustment Value "-": Lower direction.		

6123	**[INPUT Check: 2K/3K FIN]**
	See page

6124	**[OUTPUT Check: 2K/3K FIN]**
	See page

6140	**[PuncPoAdjSubscan3KFIN(100Bind)]**		
	Executes adjustment of the direction of Sub Scan (transport).		
001	2-Hole: DOM	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]
002	3-Hole: NA	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]
003	4-Hole: EU	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]
004	5-Hole: SCAN	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]
005	2-Hole: NA	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]
006	1-Hole: DOM	ENG	[-7.5 to 7.5 / **0.0** / 0.5mm/step]

6141	**[Jogger Pos Adj:3K FIN(100Bind)]**		
	Executes adjustment of Jogger position.		
001	Corner Stapler Motor	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
002	B4 SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
003	A4 SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
004	A4Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
005	B5T	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
006	B5Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
007	DLT SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
008	LG SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
009	LT SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
010	LT-Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
011	Other	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]

6142	**[Staple Pos Adj: 3KFIN(100Bind)]**		
	Executes adjustment of Staple position (Main Scan direction).		
001	A3 SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]

002	B4 SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
003	A4 SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
004	A4Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
005	B5T	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
006	B5Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
007	DLT SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
008	LG SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
009	LT SEF	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
010	LT-Y	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]
011	Other	ENG	[-2.0 to 1.5 / **0.0** / 0.5mm/step]

6143	**[ShiftJogPosAdj:3K FIN(100Bind)]**		
	Executes adjustment of Shift Jogger position for Shift Exit.		
001	A3 SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
002	B4 SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
003	A4 SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
004	A4Y	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
005	B5T	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
006	B5Y	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
007	A5T	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
008	A5Y	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
009	DLT SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
010	LG SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
011	LT SEF	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
012	LT-Y	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
013	HLT-T	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]

014	HLT-Y	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]
015	Other	ENG	[-3.0 to 3.0 / **0.0** / 0.1mm/step]

6144	**[MxPrstkShAdj:3KFIN(100Bind)]**		
	Executes adjustment of the maximum Pre-stack Number		
001	A4Y	ENG	[0 to 2 / **2** / 1 page/step] * DO NOT set the value to “1(page)”
002	B5Y	ENG	[0 to 2 / **2** / 1 page/step] * DO NOT set the value to “1(page)”
003	LT-Y	ENG	[0 to 2 / **2** / 1 page/step] * DO NOT set the value to “1(page)”
004	Other	ENG	[0 to 2 / **2** / 1 page/step] * DO NOT set the value to “1(page)”

6145	**[LE StopPressAdj:3KFIN(100Bind)]**		
	Executes adjustment of Leading Edge Stopper Press.		
001	A4Y	ENG	[-5.0 to 10.0 / **0.0** / 0.1mm/step]
002	B5Y	ENG	[-5.0 to 2.0 / **0.0** / 0.1mm/step]
003	LT-Y	ENG	[-5.0 to 10.0 / **0.0** / 0.1mm/step]
004	Other	ENG	[-5.0 to 10.0 / **0.0** / 0.1mm/step]

6146	**[StapleJogTimes: 3KFIN(100Bind)]**		
	Sets whether to add another Jogger operation when stapling.		
001	StapleJogTimes: 3KFIN(100Bind)	ENG	[0 or 1 / **0** / 1 time/step]

6147	**[FIN INPUTCheck 3KFIN(100Bind)]**		
	See page		

6148	**[FIN OUTPUTCheck 3KFIN(100Bind)]**
	See page

6160	**[INPUT Check Print Post]**
	See page

6161	**[OUTPUT Check Print Post]**
	See page

6162	**[Free Run Print Post]**		
	Executes No Paper Free Run for repeating 1-9 bin Paper Exit.		
001	-	ENG	[0 or 1 / **0** / 1/step]

6165	**[PrioritySizeSetting:1-TrayCIT]**		
	Sets size for displaying on the screen to the paper which is set.		
001	A3SEF/12"*18"	ENG	[0 or 1 / **0** / 1/step]
002	EU/CHN/Taiwan:8.5"*13"	ENG	[0 or 1 / **0** / 1/step]
003	NA:8.5"*14"	ENG	[0 or 1 / **0** / 1/step]
004	NA:11"*8.5"	ENG	[0 or 1 / **0** / 1/step]
005	NA:8.5"*11"	ENG	[0 or 1 / **0** / 1/step]
006	EU/CHN/Taiwan:8K	ENG	[0 or 1 / **0** / 1/step]
007	EU/CHN/Taiwan:16K(267*195)	ENG	[0 or 1 / **0** / 1/step]
008	EU/CHN/Taiwan:16K(195*267)	ENG	[0 or 1 / **0** / 1/step]

6166	**[INPUT Check:1-Tray CIT]**
	See page

6170	**[INPUT Check Slide Sort Tray]**
	See page

6171	**[OUTPUT Check Slide Sort Tray]**
	See page

6172	**[Free Run Slide Sort Tray]**		
	No Paper Free Run operation		
001	-	ENG	[0 or 1 / **0** / 1/step]

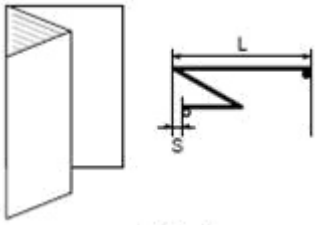
6301	**[Fine Adjust Z-Fold 1]**		
	* Japan Only		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
6301	**[Fine Adjust Z-Fold 1]**		
	* Japan Only		
009	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

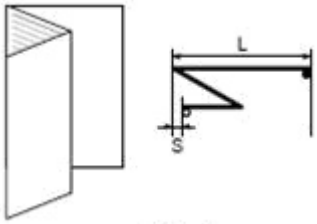
013	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

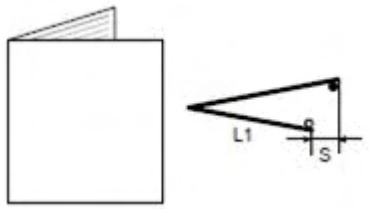
6309	**[INPUT Check Multi Folder]**
	See page

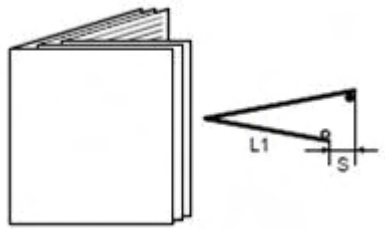
6310	**[Output Check]**
	See page

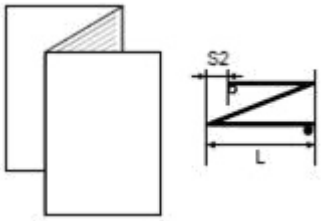
6311	**[Free Run]**		
001	Free Run 1	ENG	[0 or 1 / **0** / 1/step]
	No Paper Free Run (Single Sheet) operation		
002	Free Run 2	ENG	[0 or 1 / **0** / 1/step]
	No Paper Free Run (Multi Sheet) operation		
003	Free Run 3	ENG	[0 or 1 / **0** / 1/step]
	No Paper Free Run (Straight Transport) operation		
004	Free Run 4	ENG	[0 or 1 / **0** / 1/step]
	Makes drive load do homing for packing.		

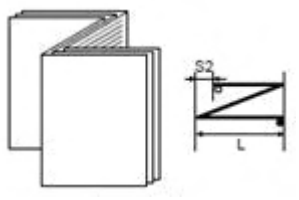
6312	**[FM1 Z-Fld: Fine Adj 1st Fld]** Adjusts Z-Fold end (S) when Z-folding by using Folding Unit. [+] makes (S) large and [-] makes (S) small. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

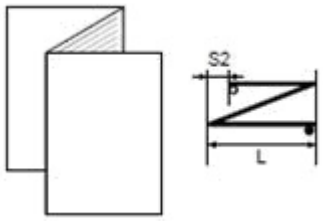
6313	**[FM1 Z-Fld: Fine Adj 2nd Fld]** Adjusts Z-Fold Outer Frame size (L) when Z-folding by using Folding Unit. [+] makes (L) large and [-] makes (L) small. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

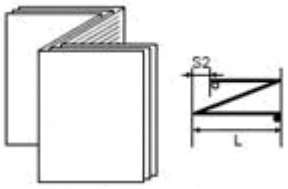
6314	**[FM2 Equal 1/2:FineAdjFld]** Adjusts End (S) when half-folding by using Folding Unit. [+] makes (S) large and [-] makes (S) small. Turns to be enabled when Single Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	13"*19" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
6314	**[FM2 Equal 1/2:FineAdjFld]**		

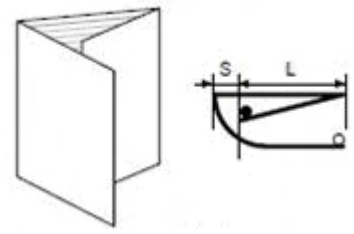
	Adjusts End (S) when half-folding by using Folding Unit. [+] makes (S) large and [-] makes (S) small. Turns to be enabled when Multi Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * This setting is synchronized with Adjustment Items for Special Operator [Half Fold Position Adjustment (Multi Sheet)] in Pro machine.		
021	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
023	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	12"*18" (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	13"*19" (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

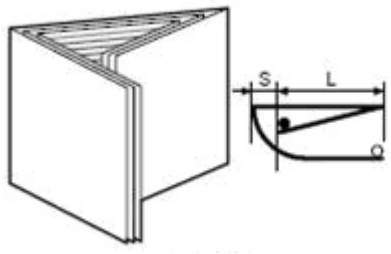
6315	**[FM3 Equal 3rds:Fine Adj 1st]** Adjusts End (S2) when folding with Letter Fold-out by using Folding Unit. [+] makes (S2) large and [-] makes (S2) small. Turns to be enabled when Single Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5 SEF (Single Sheet)	ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
019	Custom (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
6315	**[FM3 Equal 3rds:Fine Adj 1st]**		

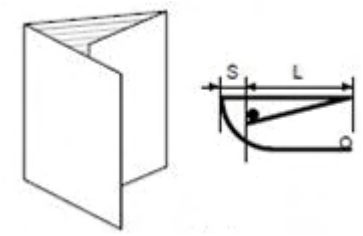
	Adjusts End (S2) when folding with Letter Fold-out by using Folding Unit. [+] makes (S2) large and [-] makes (S2) small. Turns to be enabled when Multi Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * This setting is synchronized with Adjustment Items for Special Operator [Letter Fold-out Position 1 Adjustment (Multi Sheet)] in Pro machine.		
022	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
023	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	B5 SEF (Multi Sheet)	ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
039	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

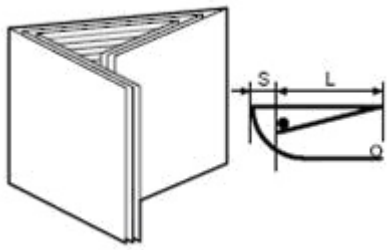
6316	**[FM3 Equal 3rds:Fine Adj 2nd]** Adjusts Outer Frame size (L) when folding with Letter Fold-out by using Folding Unit. [+] makes (L) large and [-] makes (L) small. Turns to be enabled when Single Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5 SEF (Single Sheet)	ENG	[-3.0 to 3.0 / **0.0** / 0.2mm/step]
019	Custom (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
6316	**[FM3 Equal 3rds:Fine Adj 2nd]**		

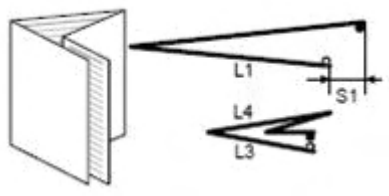
	Adjusts Outer Frame size (L) when folding with Letter Fold-out by using Folding Unit. [+] makes (L) large and [-] makes (L) small. Turns to be enabled when Multi Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * This setting is synchronized with Adjustment Items for Special Operator [Letter Fold-out Position 2 Adjustment (Multi Sheet)] in Pro machine.		
022	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
023	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

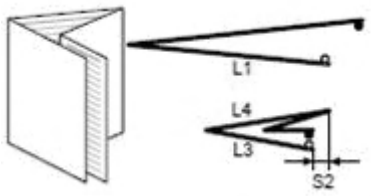
6317	**[FM4 3rds 1 Flap:Fine Adj 1st]**		
	Adjusts End (S) when folding with Letter Fold-in by using Folding Unit. [+] makes (S) large and [-] makes (S) small. Turns to be enabled when Single Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

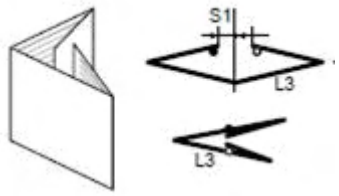
002	B4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
6317	**[FM4 3rds 1 Flap:Fine Adj 1st]**		
	 ← paper feeding direction		
021	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
023	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	12"*18" (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

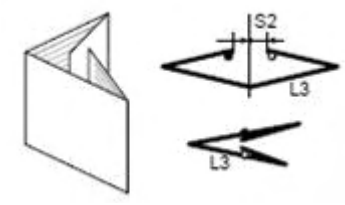
6318	**[FM4 3rds 1 Flap:Fine Adj 2nd]** Adjusts Inner Frame size (L) when folding with Letter Fold-in by using Folding Unit. [+] makes (L) large and [-] makes (L) small. Turns to be enabled when Single Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18" (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5 SEF (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom (Single Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

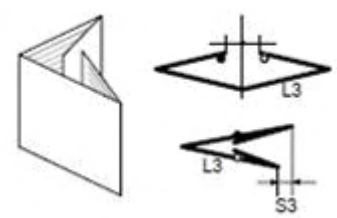
6318	**[FM4 3rds 1 Flap:Fine Adj 2nd]** Adjusts Inner Frame size (L) when folding with Letter Fold-in by using Folding Unit. [+] makes (L) large and [-] makes (L) small. Turns to be enabled when Multi Sheet is specified. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * This setting is synchronized with Adjustment Items for Special Operator [Letter Fold-in Position 2 Adjustment (Multi Sheet)] in Pro machine.		
021	A3 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	B4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
023	A4 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	DLT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	LG SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	LT SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	12"*18" (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	8-kai (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	B5 SEF (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom (Multi Sheet)	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6319	**[FM5 4ths "V": Fine Adjust 1st]** Adjusts End (S1) position when folding with Double Parallel Fold by using Folding Unit. [+] makes (S1) large and [-] makes (S1) small. The top right illustration shows the status that Double Parallel Fold is opened (Half Fold) and the bottom right one shows that Double Parallel Fold is not opened. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5T	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6320	**[FM5 4ths "V": Fine Adjust 2nd]** Adjusts End2 (S2) position when folding with Double Parallel Fold by using Folding Unit. [+] makes (S2) large and [-] makes (S2) small. The top right illustration shows the status that Double Parallel Fold is opened and the bottom right one shows that Double Parallel Fold is not opened. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5T	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6321	**[FM6 4ths 2 Flap:Fine Adj 1st]** Adjusts End (S1) position when folding with Gate Fold by using Folding Unit. [+] makes (S1) large and [-] makes (S1) small. The top right illustration shows the status that Gate Fold is opened and the bottom right one shows that Gate Fold is not opened. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	B5T	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6322	**[FM6 4ths 2 Flap:Fine Adj 2nd]** Adjusts End2 (S2) position when folding with Gate Fold by using Folding Unit. [+] makes (S2) large and [-] makes (S2) small. The top right illustration shows the status that Gate Fold is opened and the bottom right one shows that Gate Fold is not opened. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction *Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	B5T	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6323	**[FM6 4ths 2 Flap:Fine Adj 3rd]** Adjusts Center (S3) position when folding with Gate Fold by using Folding Unit. [+] makes (S3) large and [-] makes (S3) small. The top right illustration shows the status that Gate Fold is opened and the bottom right one shows that Gate Fold is not opened. The cercle is the leading edge of paper, and the dot is the trailing edge of paper.  ⬅ paper feeding direction * Only enabled when Custom Paper is not being used in Pro machine.		
001	A3 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	B4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	A4 SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	DLT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	LG SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	LT SEF	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	12"*18"	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	8-kai	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	B5T	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Other	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6324	**[Jogger Fence Position Adjust]**		
	Adjusts landscape Jog position against papers when folding with Multi Sheet by using Folding Unit. Adjustment direction To the standard Jogger width, "+" is the direction that Jogger width becomes wide and "-" is the direction that Jogger width becomes narrow. Standard Jogger width: The position with a distance of 1.5mm from the paper end		
001	A3 SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
002	B4 SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
003	A4 SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
004	DLT SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
005	LG SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
006	LT SEF	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
007	12"*18"	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
008	8-Kai	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
009	B5T	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]
019	Other	ENG	[-2.0 to 2.0 / **0.0** / 0.5mm/step]

6325	**[Registration Buckle Adjust]**		
	Adjusts Buckle for Registration Correction when folding with Single Sheet by using Folding Unit. This setting can only be enabled when [Buckle Control ON] is set in [SP6-326-001: Registration Correction Buckle Selection Multi Folder]. Adjustment direction To the standard Buckle amount, "+" is the direction that Buckle amount increases and "-" is the direction that that Buckle amount decreases. Standard Buckle amount: 5mm		
001	A3 SEF	ENG	[-4 to 2 / **0** / 1mm/step]
002	B4 SEF	ENG	[-4 to 2 / **0** / 1mm/step]

003	A4 SEF	ENG	[-4 to 2 / **0** / 1mm/step]
004	DLT SEF	ENG	[-4 to 2 / **0** / 1mm/step]
005	LG SEF	ENG	[-4 to 2 / **0** / 1mm/step]
006	LT SEF	ENG	[-4 to 2 / **0** / 1mm/step]
007	12"*18"	ENG	[-4 to 2 / **0** / 1mm/step]
008	8-Kai	ENG	[-4 to 2 / **0** / 1mm/step]
009	B5T	ENG	[-4 to 2 / **0** / 1mm/step]
019	Other	ENG	[-4 to 2 / **0** / 1mm/step]

6326	**[Reg Buckle Adjust Select]**		
	Specifies ON/OFF for Registration Correction when folding with Single Sheet by using Folding Unit.		
001	-	ENG	[0 or 1 / **0** / 1/step]

6400	**[Cvr Inserter INPUT Check]**
	See page

6401	**[Cvr Inserter Output Check]**
	See page

6750	**[FM1 Z-Fld: Fine Adj 1st Fld] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Z-Fold Position1 Adjustment] in Pro machine		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6751	**[FM1 Z-Fld: Fine Adj 2nd Fld] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Z-Fold Position2 Adjustment] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6752	**[FM2 Equal 1/2:FineAdjFld] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Half Fold Position Adjustment: Single Sheet] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6753	**[FM3 Equal 3rds:Fine Adj 1st] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Letter Fold-out Position1 Adjustment: Single Sheet] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6754	**[FM3 Equal 3rds:Fine Adj 2nd] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Letter Fold-out Position2 Adjustment: Single Sheet] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6755	**[FM4 3rds 1 Flap:Fine Adj 1st] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Letter Fold-in Position1 Adjustment: Single Sheet] in Pro machine		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6756	**[FM4 3rds 1 Flap:Fine Adj 2nd] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Letter Fold-in Position2 Adjustment: Single Sheet] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6757	**[FM5 4ths "V": Fine Adjust 1st] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Double Parallel Fold Position1 Adjustment] in Pro machine		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6758	**[FM5 4ths "V": Fine Adjust 2nd] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Double Parallel Fold Position2 Adjustment] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6759	**[FM6 4ths 2 Flap:Fine Adj 1st] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Gate Fold Position1 Adjustment] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6760	**[FM6 4ths 2 Flap:Fine Adj 2nd] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Gate Fold Position2 Adjustment] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6761	**[FM6 4ths 2 Flap:Fine Adj 3rd] *D137/D138 only**		
	Settings for Custom Paper Adjustment Items [Gate Fold Position3 Adjustment] in Pro machine.		
001	Custom Paper 001	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
002	Custom Paper 002	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
003	Custom Paper 003	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
004	Custom Paper 004	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
005	Custom Paper 005	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
006	Custom Paper 006	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
007	Custom Paper 007	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
008	Custom Paper 008	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
009	Custom Paper 009	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
010	Custom Paper 010	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
011	Custom Paper 011	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
012	Custom Paper 012	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
013	Custom Paper 013	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
014	Custom Paper 014	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
015	Custom Paper 015	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
016	Custom Paper 016	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
017	Custom Paper 017	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
018	Custom Paper 018	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
019	Custom Paper 019	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
020	Custom Paper 020	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
021	Custom Paper 021	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
022	Custom Paper 022	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

023	Custom Paper 023	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
024	Custom Paper 024	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
025	Custom Paper 025	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
026	Custom Paper 026	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
027	Custom Paper 027	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
028	Custom Paper 028	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
029	Custom Paper 029	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
030	Custom Paper 030	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
031	Custom Paper 031	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
032	Custom Paper 032	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
033	Custom Paper 033	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
034	Custom Paper 034	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
035	Custom Paper 035	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
036	Custom Paper 036	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
037	Custom Paper 037	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
038	Custom Paper 038	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
039	Custom Paper 039	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
040	Custom Paper 040	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
041	Custom Paper 041	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
042	Custom Paper 042	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
043	Custom Paper 043	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
044	Custom Paper 044	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
045	Custom Paper 045	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
046	Custom Paper 046	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
047	Custom Paper 047	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
048	Custom Paper 048	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

049	Custom Paper 049	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
050	Custom Paper 050	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
051	Custom Paper 051	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
052	Custom Paper 052	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
053	Custom Paper 053	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
054	Custom Paper 054	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
055	Custom Paper 055	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
056	Custom Paper 056	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
057	Custom Paper 057	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
058	Custom Paper 058	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
059	Custom Paper 059	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
060	Custom Paper 060	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
061	Custom Paper 061	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
062	Custom Paper 062	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
063	Custom Paper 063	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
064	Custom Paper 064	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
065	Custom Paper 065	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
066	Custom Paper 066	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
067	Custom Paper 067	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
068	Custom Paper 068	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
069	Custom Paper 069	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
070	Custom Paper 070	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
071	Custom Paper 071	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
072	Custom Paper 072	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
073	Custom Paper 073	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
074	Custom Paper 074	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

075	Custom Paper 075	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
076	Custom Paper 076	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
077	Custom Paper 077	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
078	Custom Paper 078	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
079	Custom Paper 079	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
080	Custom Paper 080	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
081	Custom Paper 081	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
082	Custom Paper 082	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
083	Custom Paper 083	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
084	Custom Paper 084	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
085	Custom Paper 085	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
086	Custom Paper 086	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
087	Custom Paper 087	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
088	Custom Paper 088	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
089	Custom Paper 089	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
090	Custom Paper 090	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
091	Custom Paper 091	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
092	Custom Paper 092	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
093	Custom Paper 093	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
094	Custom Paper 094	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
095	Custom Paper 095	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
096	Custom Paper 096	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
097	Custom Paper 097	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
098	Custom Paper 098	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
099	Custom Paper 099	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]
100	Custom Paper 100	ENG	[-4.0 to 4.0 / **0.0** / 0.2mm/step]

6762	**[Top Tray Full Set: Enable]**		
	Sets whether to execute Full Detection for output paper in Fold machine tray. Detected when Fold machine tray becomes full if [Full Detection ON] is set and alert message is displayed after the set number of pages are printed out with [SP6-763-001: Top Tray Full Set: Limit Output Multi Folder]. * This setting is synchronized with Adjustment Items for Special Operator [Fold Machine Tray Full Detection] in Pro machine.		
001	-	ENG	[0 or 1 / **0** / 1/step]

6763	**[TopTray Full Set:Limit Output]**		
	Sets Print Page until when the alert message is displayed when Fold machine tray detects Full. Setting the large number of Print Page avoids stopping printing by early detection of Full and increases productivity as it delays displaying an alert message. The number of "1" when Multi Sheet is specified is counted as "1" page. It becomes enabled that [SP6-762-001: Fold Machine Tray Full Detection ON/OFF Setting Multi Folder] is set for [Full Detection ON]. Delaying to display the alert message may cause disordered loaded paper and paper jams because the exit is obstructed by output paper. * This setting is synchronized with Adjustment Items for Special Operator [Fold Machine Tray After Full Detection Output Number] in Pro machine.		
001	-	ENG	[0 to 250 / **0** / 1/step]

6801	**[1-pass Stamp Unit]**		
	Sets Attached/Not Attached for Stamp Unit.		
001	-	*ENG	[0 or 1 / **0** / 1/step] 0: Attached 1: Not Attached

6830	**[Extra Staples]**		
	More than the standard number of sheets can be stapled. This SP sets the additional number of sheets (This Setting + Standard Number = maximum number of sheets). ▪ If the number of the maximum for staples is increased, and the mechanical warranty of the unit can be guaranteed, then the setting can take effect without changing the controller software. ▪ However, assurance that mechanical performance can be guaranteed is required before changing the setting to increase the staple load for more than the maximum in the feed/exit specifications. Raising this setting without quality assurance could damage the machine.		
001	0 to 50 (Initial:0)	*CTL	[0 to 50 / **0** / 1/step]
6830	**[Extra Saddles]**		
	Makes possible for staple to saddle stitch more sheets than basic amount. Saddle stitch staple max. amount will be recognized as the total of this SP's value and the basic amount.		
002	0 to 50 (Initial:0)	*CTL	[0 to 50 / **0** / 1/step]
6830	**[Extra Half-Fold]**		
	Makes possivle for finisher to middle fold more than the basic foldable amount. Middle fold max. amount will be recognized as the total of this SP's value and basic Middle fold amunt.		
003	0 to 50 (Initial:0)	*CTL	[0 to 50 / **0** / 1/step]

6890	**[Punch Function Enabled (Z Fold)]**		
001	0: No Punch 1: Punching OK	CTL	[1 to 0 / **0** / 1/step] 0: No Punch 1: Punching OK

6900	**[ADF Bottom Plate Setting]**		
	Changes Bottom Plate Mode.		
001	-	*ENG	[0 or 1 / **0** / 1/step] 0: Bottom Plate (Default) by Original set 1: Bottom Plate by Feed/Exit Paper Signal

6925	**[SoftRollerPress QuantityTuning]**		
	Fine-tunes Decurler Roller Pressure ranging from +0.5 - -0.3mm with normal operation (other than Custom Paper). ▪ Increases or decreases the specified value to the pressure in Decurler Pressure level (Level 1-5). ▪ Plus value: Curl UP Correction ▪ Minus value: Curl Down Correction		
001	-	ENG	[-0.3 to 0.5 / **0.0** / 0.1/step]

6926	**[DecurlerSpeed Quantity Tuninng]**		
	Fine-tunes Decurler Speed Quantity ranging from +3.0 - -3.0%. Increases or decreases the specified ratio to each Speed Quantity. ▪ Plus value: Speed Quantity UP Correction ▪ Minus value: Speed Quantity Down Correction		
001	-	ENG	[-3.0 to 3.0 / **0.0** / 0.1%/step]

6928	**[Soft Roller Press Quantity Set] *D137/D138 only**		
	Sets Decurler Roller Pressure level (Level 1-5) with Custom Paper. ▪ Level 1 (Curl Correction Weak) - Level 5 (Curl Correction Strong)		
001	Custom Paper001	ENG	[1 to 5 / **1** / 1/step]
002	Custom Paper002	ENG	[1 to 5 / **1** / 1/step]
003	Custom Paper003	ENG	[1 to 5 / **1** / 1/step]
004	Custom Paper004	ENG	[1 to 5 / **1** / 1/step]
005	Custom Paper005	ENG	[1 to 5 / **1** / 1/step]
006	Custom Paper006	ENG	[1 to 5 / **1** / 1/step]
007	Custom Paper007	ENG	[1 to 5 / **1** / 1/step]
008	Custom Paper008	ENG	[1 to 5 / **1** / 1/step]
009	Custom Paper009	ENG	[1 to 5 / **1** / 1/step]
010	Custom Paper010	ENG	[1 to 5 / **1** / 1/step]
011	Custom Paper011	ENG	[1 to 5 / **1** / 1/step]
012	Custom Paper012	ENG	[1 to 5 / **1** / 1/step]
013	Custom Paper013	ENG	[1 to 5 / **1** / 1/step]
014	Custom Paper014	ENG	[1 to 5 / **1** / 1/step]
015	Custom Paper015	ENG	[1 to 5 / **1** / 1/step]
016	Custom Paper016	ENG	[1 to 5 / **1** / 1/step]
017	Custom Paper017	ENG	[1 to 5 / **1** / 1/step]
018	Custom Paper018	ENG	[1 to 5 / **1** / 1/step]
019	Custom Paper019	ENG	[1 to 5 / **1** / 1/step]
020	Custom Paper020	ENG	[1 to 5 / **1** / 1/step]
021	Custom Paper021	ENG	[1 to 5 / **1** / 1/step]
022	Custom Paper022	ENG	[1 to 5 / **1** / 1/step]

023	Custom Paper023	ENG	[1 to 5 / **1** / 1/step]
024	Custom Paper024	ENG	[1 to 5 / **1** / 1/step]
025	Custom Paper025	ENG	[1 to 5 / **1** / 1/step]
026	Custom Paper026	ENG	[1 to 5 / **1** / 1/step]
027	Custom Paper027	ENG	[1 to 5 / **1** / 1/step]
028	Custom Paper028	ENG	[1 to 5 / **1** / 1/step]
029	Custom Paper029	ENG	[1 to 5 / **1** / 1/step]
030	Custom Paper030	ENG	[1 to 5 / **1** / 1/step]
031	Custom Paper031	ENG	[1 to 5 / **1** / 1/step]
032	Custom Paper032	ENG	[1 to 5 / **1** / 1/step]
033	Custom Paper033	ENG	[1 to 5 / **1** / 1/step]
034	Custom Paper034	ENG	[1 to 5 / **1** / 1/step]
035	Custom Paper035	ENG	[1 to 5 / **1** / 1/step]
036	Custom Paper036	ENG	[1 to 5 / **1** / 1/step]
037	Custom Paper037	ENG	[1 to 5 / **1** / 1/step]
038	Custom Paper038	ENG	[1 to 5 / **1** / 1/step]
039	Custom Paper039	ENG	[1 to 5 / **1** / 1/step]
040	Custom Paper040	ENG	[1 to 5 / **1** / 1/step]
041	Custom Paper041	ENG	[1 to 5 / **1** / 1/step]
042	Custom Paper042	ENG	[1 to 5 / **1** / 1/step]
043	Custom Paper043	ENG	[1 to 5 / **1** / 1/step]
044	Custom Paper044	ENG	[1 to 5 / **1** / 1/step]
045	Custom Paper045	ENG	[1 to 5 / **1** / 1/step]
046	Custom Paper046	ENG	[1 to 5 / **1** / 1/step]
047	Custom Paper047	ENG	[1 to 5 / **1** / 1/step]
048	Custom Paper048	ENG	[1 to 5 / **1** / 1/step]

049	Custom Paper049	ENG	[1 to 5 / **1** / 1/step]
050	Custom Paper050	ENG	[1 to 5 / **1** / 1/step]
051	Custom Paper051	ENG	[1 to 5 / **1** / 1/step]
052	Custom Paper052	ENG	[1 to 5 / **1** / 1/step]
053	Custom Paper053	ENG	[1 to 5 / **1** / 1/step]
054	Custom Paper054	ENG	[1 to 5 / **1** / 1/step]
055	Custom Paper055	ENG	[1 to 5 / **1** / 1/step]
056	Custom Paper056	ENG	[1 to 5 / **1** / 1/step]
057	Custom Paper057	ENG	[1 to 5 / **1** / 1/step]
058	Custom Paper058	ENG	[1 to 5 / **1** / 1/step]
059	Custom Paper059	ENG	[1 to 5 / **1** / 1/step]
060	Custom Paper060	ENG	[1 to 5 / **1** / 1/step]
061	Custom Paper061	ENG	[1 to 5 / **1** / 1/step]
062	Custom Paper062	ENG	[1 to 5 / **1** / 1/step]
063	Custom Paper063	ENG	[1 to 5 / **1** / 1/step]
064	Custom Paper064	ENG	[1 to 5 / **1** / 1/step]
065	Custom Paper065	ENG	[1 to 5 / **1** / 1/step]
066	Custom Paper066	ENG	[1 to 5 / **1** / 1/step]
067	Custom Paper067	ENG	[1 to 5 / **1** / 1/step]
068	Custom Paper068	ENG	[1 to 5 / **1** / 1/step]
069	Custom Paper069	ENG	[1 to 5 / **1** / 1/step]
070	Custom Paper070	ENG	[1 to 5 / **1** / 1/step]
071	Custom Paper071	ENG	[1 to 5 / **1** / 1/step]
072	Custom Paper072	ENG	[1 to 5 / **1** / 1/step]
073	Custom Paper073	ENG	[1 to 5 / **1** / 1/step]
074	Custom Paper074	ENG	[1 to 5 / **1** / 1/step]

075	Custom Paper075	ENG	[1 to 5 / **1** / 1/step]
076	Custom Paper076	ENG	[1 to 5 / **1** / 1/step]
077	Custom Paper077	ENG	[1 to 5 / **1** / 1/step]
078	Custom Paper078	ENG	[1 to 5 / **1** / 1/step]
079	Custom Paper079	ENG	[1 to 5 / **1** / 1/step]
080	Custom Paper080	ENG	[1 to 5 / **1** / 1/step]
081	Custom Paper081	ENG	[1 to 5 / **1** / 1/step]
082	Custom Paper082	ENG	[1 to 5 / **1** / 1/step]
083	Custom Paper083	ENG	[1 to 5 / **1** / 1/step]
084	Custom Paper084	ENG	[1 to 5 / **1** / 1/step]
085	Custom Paper085	ENG	[1 to 5 / **1** / 1/step]
086	Custom Paper086	ENG	[1 to 5 / **1** / 1/step]
087	Custom Paper087	ENG	[1 to 5 / **1** / 1/step]
088	Custom Paper088	ENG	[1 to 5 / **1** / 1/step]
089	Custom Paper089	ENG	[1 to 5 / **1** / 1/step]
090	Custom Paper090	ENG	[1 to 5 / **1** / 1/step]
091	Custom Paper091	ENG	[1 to 5 / **1** / 1/step]
092	Custom Paper092	ENG	[1 to 5 / **1** / 1/step]
093	Custom Paper093	ENG	[1 to 5 / **1** / 1/step]
094	Custom Paper094	ENG	[1 to 5 / **1** / 1/step]
095	Custom Paper095	ENG	[1 to 5 / **1** / 1/step]
096	Custom Paper096	ENG	[1 to 5 / **1** / 1/step]
097	Custom Paper097	ENG	[1 to 5 / **1** / 1/step]
098	Custom Paper098	ENG	[1 to 5 / **1** / 1/step]
099	Custom Paper099	ENG	[1 to 5 / **1** / 1/step]
100	Custom Paper100	ENG	[1 to 5 / **1** / 1/step]

6929	**[SoftRollerPress QuantityTuning] *D137/D138 only** Fine-tunes Decurler Roller Pressure ranging from +0.5 - -0.3mm with Custom Paper. ▪ Increases or decreases the specified value to the pressure in Decurler Pressure level (Level 1-5). ▪ Plus value: Curl UP Correction ▪ Minus value: Curl Down Correction		
001	Custom Paper001	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
002	Custom Paper002	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
003	Custom Paper003	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
004	Custom Paper004	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
005	Custom Paper005	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
006	Custom Paper006	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
007	Custom Paper007	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
008	Custom Paper008	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
009	Custom Paper009	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
010	Custom Paper010	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
011	Custom Paper011	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
012	Custom Paper012	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
013	Custom Paper013	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
014	Custom Paper014	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
015	Custom Paper015	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
016	Custom Paper016	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
017	Custom Paper017	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
018	Custom Paper018	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
019	Custom Paper019	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
020	Custom Paper020	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]

021	Custom Paper021	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
022	Custom Paper022	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
023	Custom Paper023	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
024	Custom Paper024	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
025	Custom Paper025	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
026	Custom Paper026	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
027	Custom Paper027	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
028	Custom Paper028	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
029	Custom Paper029	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
030	Custom Paper030	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
031	Custom Paper031	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
032	Custom Paper032	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
033	Custom Paper033	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
034	Custom Paper034	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
035	Custom Paper035	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
036	Custom Paper036	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
037	Custom Paper037	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
038	Custom Paper038	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
039	Custom Paper039	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
040	Custom Paper040	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
041	Custom Paper041	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
042	Custom Paper042	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
043	Custom Paper043	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
044	Custom Paper044	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
045	Custom Paper045	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
046	Custom Paper046	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]

047	Custom Paper047	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
048	Custom Paper048	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
049	Custom Paper049	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
050	Custom Paper050	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
051	Custom Paper051	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
052	Custom Paper052	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
053	Custom Paper053	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
054	Custom Paper054	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
055	Custom Paper055	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
056	Custom Paper056	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
057	Custom Paper057	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
058	Custom Paper058	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
059	Custom Paper059	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
060	Custom Paper060	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
061	Custom Paper061	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
062	Custom Paper062	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
063	Custom Paper063	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
064	Custom Paper064	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
065	Custom Paper065	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
066	Custom Paper066	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
067	Custom Paper067	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
068	Custom Paper068	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
069	Custom Paper069	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
070	Custom Paper070	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
071	Custom Paper071	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
072	Custom Paper072	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]

073	Custom Paper073	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
074	Custom Paper074	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
075	Custom Paper075	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
076	Custom Paper076	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
077	Custom Paper077	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
078	Custom Paper078	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
079	Custom Paper079	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
080	Custom Paper080	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
081	Custom Paper081	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
082	Custom Paper082	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
083	Custom Paper083	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
084	Custom Paper084	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
085	Custom Paper085	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
086	Custom Paper086	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
087	Custom Paper087	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
088	Custom Paper088	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
089	Custom Paper089	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
090	Custom Paper090	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
091	Custom Paper091	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
092	Custom Paper092	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
093	Custom Paper093	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
094	Custom Paper094	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
095	Custom Paper095	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
096	Custom Paper096	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
097	Custom Paper097	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
098	Custom Paper098	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]

099	Custom Paper099	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]
100	Custom Paper100	ENG	[-0.3 to 0.5 / **0.0** / 0.1mm/step]

MAIN SP TABLES-7

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

5. MAIN SP TABLES-7

5.1 SP7-001 TO 931 (DATA LOG)

7001	**[Engine Drive Distance Counter]**		
	Displays Engine Drive Distance Counter.		
001	#PCU:K	ENG	[0 to 99999999 / **0** / 1m/step]

7401	**[Total SC]**		
	Stores total SC occurring count. If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs.		
001	SC Counter	*CTL	[0 to 65535 / **-** / 1/step]
002	Total SC Counter	*CTL	[0 to 65535 / **-** / 1/step]

7403	**[SC History]**		
	Logs and displays the SC codes detected. The 10 most recently detected SC Codes are displayed on the screen, and also can be seen on the SMC (logging) outputs. Note ▪ If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs.		
001	Latest	*CTL	[- / **-** / -]
002	Latest 1	*CTL	
003	Latest 2	*CTL	
004	Latest 3	*CTL	
005	Latest 4	*CTL	
006	Latest 5	*CTL	
007	Latest 6	*CTL	

008	Latest 7	*CTL	
009	Latest 8	*CTL	
010	Latest 9	*CTL	

7404	**[SC990 / SC991 History]**		
	Logs and displays the SC990 / SC991 detected. The 10 most recently detected SC. Note ▪ If the same SC codes are detected continuously and total counter is not increasing, it only logs once in case of deleting other SC code logs.		
001	Latest	*CTL	[- / - / -]
002	Latest 1	*CTL	
003	Latest 2	*CTL	
004	Latest 3	*CTL	
005	Latest 4	*CTL	
006	Latest 5	*CTL	
007	Latest 6	*CTL	
008	Latest 7	*CTL	
009	Latest 8	*CTL	
010	Latest 9	*CTL	

7502	**[Total Paper Jam]**		
	Displays the total number of jams detected.		
001	Jam Counter	*CTL	[00000 to 65535 / - / 1sheet/step]
	If the JAM occurred in multiple places, it logs as one SC.		
002	Total Jam Counter	*CTL	

7503	[Total Original Jam Counter]		
	-		
001	-	*CTL	[- / - / -]
002	Total Original Counter	*CTL	[- / - / -]

7504	[Paper Jam Location]		
	Displays counts for transfer paper jam for each incidence place.		
001	At Power On	*CTL	Paper is not fed at power on. [0000 to 9999 / - / 1/step]
003	Tray1: On	*CTL	[0000 to 9999 / - / 1/step]
004	Tray2: On	*CTL	[0000 to 9999 / - / 1/step]
005	Tray3: On	*CTL	[0000 to 9999 / - / 1/step]
006	Tray4: On	*CTL	[0000 to 9999 / - / 1/step]
007	LCT: On	*CTL	[0000 to 9999 / - / 1/step]
008	Bypass: On	*CTL	[0000 to 9999 / - / 1/step]
009	Duplex: On	*CTL	[0000 to 9999 / - / 1/step]
010	Transport 1: On	*CTL	[0000 to 9999 / - / 1/step]
012	Transport 2:On	*CTL	[0000 to 9999 / - / 1/step]
013	Transport 3: On	*CTL	[0000 to 9999 / - / 1/step]
014	Transport 4: On	*CTL	[0000 to 9999 / - / 1/step]
015	LCT Transport: On	*CTL	[0000 to 9999 / - / 1/step]
016	LCT Exit: On	*CTL	[0000 to 9999 / - / 1/step]
017	LCT Relay: On	*CTL	[0000 to 9999 / - / 1/step]
018	Main Unit Relay: On	*CTL	[0000 to 9999 / - / 1/step]
019	Registration: On	*CTL	[0000 to 9999 / - / 1/step]
022	TH Transport: On	*CTL	[0000 to 9999 / - / 1/step]

024	Fusing Exit: On	*CTL	[0000 to 9999 / - / 1/step]
025	Inverter Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
026	Paper Exit Inverter: On	*CTL	[0000 to 9999 / - / 1/step]
028	Inverter Exit: On	*CTL	[0000 to 9999 / - / 1/step]
029	Paper Exit Relay: On	*CTL	[0000 to 9999 / - / 1/step]
030	Paper Exit: On	*CTL	[0000 to 9999 / - / 1/step]
031	Duplex Inverter: On	*CTL	[0000 to 9999 / - / 1/step]
033	Duplex Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
034	Dup Trans 1: On	*CTL	[0000 to 9999 / - / 1/step]
035	Dup Trans 2: On	*CTL	[0000 to 9999 / - / 1/step]
036	Dup Trans 3: On	*CTL	[0000 to 9999 / - / 1/step]
037	Dup Trans 4: On	*CTL	[0000 to 9999 / - / 1/step]
038	Duplex Exit: On	*CTL	[0000 to 9999 / - / 1/step]
057	LCT Feed: Off	*CTL	[0000 to 9999 / - / 1/step]
058	By-pass Feed: Off	*CTL	[0000 to 9999 / - / 1/step]
060	Transport 1: Off	*CTL	[0000 to 9999 / - / 1/step]
062	Transport 2: Off	*CTL	[0000 to 9999 / - / 1/step]
063	Transport 3: Off	*CTL	[0000 to 9999 / - / 1/step]
064	Transport 4: Off	*CTL	[0000 to 9999 / - / 1/step]
065	LCT Feed Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
066	LCT Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
067	LCT Relay: Off	*CTL	[0000 to 9999 / - / 1/step]
068	Main Unit Relay: Off	*CTL	[0000 to 9999 / - / 1/step]
069	Registration Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
072	TH Transport: Off	*CTL	[0000 to 9999 / - / 1/step]
074	Fusing Exit: Off	*CTL	[0000 to 9999 / - / 1/step]

075	Inverter Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
076	Paper Exit Inverter: Off	*CTL	[0000 to 9999 / - / 1/step]
078	Inverter Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
079	Paper Exit Relay: Off	*CTL	[0000 to 9999 / - / 1/step]
080	Paper Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
081	Duplex Inverter: Off	*CTL	[0000 to 9999 / - / 1/step]
083	Duplex Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
084	Dup Trans 1: Off	*CTL	[0000 to 9999 / - / 1/step]
085	Dup Trans 2: Off	*CTL	[0000 to 9999 / - / 1/step]
086	Dup Trans 3: Off	*CTL	[0000 to 9999 / - / 1/step]
087	Dup Trans 4: Off	*CTL	[0000 to 9999 / - / 1/step]
088	Duplex Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
095	Double-Feed Detection: Front	*CTL	[0000 to 9999 / - / 1/step]
096	Timing: On	*CTL	[0000 to 9999 / - / 1/step]
097	Shift Over	*CTL	[0000 to 9999 / - / 1/step]
098	Paper Thickness Error	*CTL	[0000 to 9999 / - / 1/step]
099	Double-Feed Detection: Rear	*CTL	[0000 to 9999 / - / 1/step]
100	Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
101	Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
102	Proof Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
103	Proof Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
104	Shift Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
105	Shift Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
106	Stapler Exit: On	*CTL	[0000 to 9999 / - / 1/step]
107	Stapler Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
108	Pre-Stack: On	*CTL	[0000 to 9999 / - / 1/step]

109	Pre-Stack: Off	*CTL	[0000 to 9999 / - / 1/step]
110	Feed Out	*CTL	[0000 to 9999 / - / 1/step]
111	Motors	*CTL	[0000 to 9999 / - / 1/step]
112	Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
113	Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
114	Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
115	Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
116	Feed Out Motor	*CTL	[0000 to 9999 / - / 1/step]
117	Punch Motor	*CTL	[0000 to 9999 / - / 1/step]
118	Z-Fold Motor	*CTL	[0000 to 9999 / - / 1/step]
119	Pre-Stack	*CTL	[0000 to 9999 / - / 1/step]
120	Main Machine Setting Incorrect	*CTL	[0000 to 9999 / - / 1/step]
148	Plockmatic Booklet Processor	*CTL	[0000 to 9999 / - / 1/step]
149	GBC Punch Unit	*CTL	[0000 to 9999 / - / 1/step]
150	Entrance Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
151	Entrance Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
152	Horizontal Transport Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
153	Horizontal Transport Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
154	Switchback Transport Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
155	Switchback Transport Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
156	Proof Tray Exit	*CTL	[0000 to 9999 / - / 1/step]
157	Shift Tray Exit	*CTL	[0000 to 9999 / - / 1/step]
158	Booklet Stapler Exit	*CTL	[0000 to 9999 / - / 1/step]

159	Entrance Motor	*CTL	[0000 to 9999 / - / 1/step]
160	Horizontal Transport Mortor	*CTL	[0000 to 9999 / - / 1/step]
161	Pre-stack Transport Mortor	*CTL	[0000 to 9999 / - / 1/step]
162	Relay Motor	*CTL	[0000 to 9999 / - / 1/step]
163	Paper Exit Motor	*CTL	[0000 to 9999 / - / 1/step]
164	Trailing Edge Stack Plate Motor	*CTL	[0000 to 9999 / - / 1/step]
165	Paper Exit Open/Close Guide Plate Motor	*CTL	[0000 to 9999 / - / 1/step]
166	Punching Motor	*CTL	[0000 to 9999 / - / 1/step]
167	Punch Move Motor	*CTL	[0000 to 9999 / - / 1/step]
168	S-to-S Registration Detection	*CTL	[0000 to 9999 / - / 1/step]
169	Lower Junction Solenoid Motor	*CTL	[0000 to 9999 / - / 1/step]
170	Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
171	Positioning Roller Rotation Motor	*CTL	[0000 to 9999 / - / 1/step]
172	Feed Out Motor	*CTL	[0000 to 9999 / - / 1/step]
173	Corner Stapler Move Motor	*CTL	[0000 to 9999 / - / 1/step]
174	Corner Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
175	Booklet Stapler Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
176	Booklet Stapler Jog Solenoid Motor	*CTL	[0000 to 9999 / - / 1/step]
177	Booklet Stapler Standard Fence Motor	*CTL	[0000 to 9999 / - / 1/step]
178	Booklet Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
179	Dynamic Roller Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
180	Folder Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
182	Press-Fold Motor	*CTL	[0000 to 9999 / - / 1/step]

183	Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
184	Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
185	Shift Jogger Front Motor	*CTL	[0000 to 9999 / - / 1/step]
186	Shift Jogger Rear Motor	*CTL	[0000 to 9999 / - / 1/step]
187	Shift Jogger Retraction Motor	*CTL	[0000 to 9999 / - / 1/step]
188	Drag Roller Oscillating Motor	*CTL	[0000 to 9999 / - / 1/step]
189	Leading Edge Guide Motor	*CTL	[0000 to 9999 / - / 1/step]
190	Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
200	Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
201	Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
202	Top Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
203	Top Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
204	Horizontal Path Exit: On	*CTL	[0000 to 9999 / - / 1/step]
205	Horizontal Path Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
206	Stopper 1: On	*CTL	[0000 to 9999 / - / 1/step]
207	Stopper 1: Off	*CTL	[0000 to 9999 / - / 1/step]
208	Stopper 2: On	*CTL	[0000 to 9999 / - / 1/step]
209	Stopper 2: Off	*CTL	[0000 to 9999 / - / 1/step]
210	Stopper 3: On	*CTL	[0000 to 9999 / - / 1/step]
211	Stopper 3: Off	*CTL	[0000 to 9999 / - / 1/step]
212	Registration Correction	*CTL	[0000 to 9999 / - / 1/step]
213	Top Tray Transport	*CTL	[0000 to 9999 / - / 1/step]
214	Entrance JG Motor Error	*CTL	[0000 to 9999 / - / 1/step]
215	Stopper Motor 1 Error	*CTL	[0000 to 9999 / - / 1/step]
216	Stopper Motor 2 Error	*CTL	[0000 to 9999 / - / 1/step]
217	Stopper Motor 3 Error	*CTL	[0000 to 9999 / - / 1/step]

218	Dynamic Roller Lift Mt Error	*CTL	[0000 to 9999 / - / 1/step]
219	Regist Roller Release Mt Error	*CTL	[0000 to 9999 / - / 1/step]
220	Fold Plate Motor Error	*CTL	[0000 to 9999 / - / 1/step]
221	Jogger Fence Motor Error	*CTL	[0000 to 9999 / - / 1/step]
222	Direct-Send JG Motor Error	*CTL	[0000 to 9999 / - / 1/step]
223	FM6 Pawl Motor Error	*CTL	[0000 to 9999 / - / 1/step]
249	Main Machine Setting Incorrect	*CTL	[0000 to 9999 / - / 1/step]
250	Paper Feed: Late	*CTL	[0000 to 9999 / - / 1/step]
251	Paper Feed: Lag	*CTL	[0000 to 9999 / - / 1/step]
252	Pressure Timing Sn: Late	*CTL	[0000 to 9999 / - / 1/step]
253	Pressure Timing Sn: Lag	*CTL	[0000 to 9999 / - / 1/step]
254	Contact Timing Sn: Late	*CTL	[0000 to 9999 / - / 1/step]
255	Contact Timing Sn: Lag	*CTL	[0000 to 9999 / - / 1/step]

7505	**[Original Jam Detection]**		
	-		
001	At Power On	*CTL	[0000 to 9999 / - / 1/step]
013	Separation Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
014	Skew Correction zsensor: On	*CTL	[0000 to 9999 / - / 1/step]
015	Scanning Entrance Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
016	Registration Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
017	Original Exit Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
063	Separation Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
064	Skew Correction Sn: Off	*CTL	[0000 to 9999 / - / 1/step]
065	Scanning Entrance Sn: Off	*CTL	[0000 to 9999 / - / 1/step]
066	Registration Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]

067	Original Exit Sensor: Off	*CTL	[0000 to 9999 / **-** / 1/step]
239	Original Pull	*CTL	[0000 to 9999 / **-** / 1/step]

7506	**[Jam Count by Paper Size]**		
	Displays the number of jams according to the paper size.		
005	A4 LEF	*CTL	[0 to 9999 / **0** / 1 sheets/step]
006	A5 LEF	*CTL	
014	B5 LEF	*CTL	
038	LT LEF	*CTL	
044	HLT LEF	*CTL	
132	A3 SEF	*CTL	
133	A4 SEF	*CTL	
134	A5 SEF	*CTL	
141	B4 SEF	*CTL	
142	B5 SEF	*CTL	
160	DLT SEF	*CTL	
164	LG SEF	*CTL	
166	LT SEF	*CTL	
172	HLT SEF	*CTL	
255	Others	*CTL	

7507	[Plotter Jam History]		
	Logs and displays the 10 most recent detected transfer paper jams. (CAUSE, SIZE, TOTAL, DATE)		
001	Latest	*CTL	[- / - / -]
002	Latest 1	*CTL	
003	Latest 2	*CTL	
004	Latest 3	*CTL	
005	Latest 4	*CTL	
006	Latest 5	*CTL	
007	Latest 6	*CTL	
008	Latest 7	*CTL	
009	Latest 8	*CTL	
010	Latest 9	*CTL	

7508	[Original Jam History]		
	-		
001	Latest	*CTL	[- / - / -]
002	Latest 1	*CTL	
003	Latest 2	*CTL	
004	Latest 3	*CTL	
005	Latest 4	*CTL	
006	Latest 5	*CTL	
007	Latest 6	*CTL	
008	Latest 7	*CTL	
009	Latest 8	*CTL	
010	Latest 9	*CTL	

7509	[Paper Jam Location]		
	-		
001	Up Stopper Sensor: Late	*CTL	[- / - / -]
002	Up Stopper Sensor: Lag	*CTL	
003	Lower Ex Sensor1: Late	*CTL	
004	Lower Ex Sensor1: Lag	*CTL	
005	Exit Sensor 3: Late	*CTL	
006	Exit Sensor 3: Lag	*CTL	
007	Brushless Motor	*CTL	
008	Lower Stopper Motor	*CTL	
009	Upper Stopper Motor	*CTL	
010	Main Machine Setting Incorrect	*CTL	
025	SUPERIOR : Vertical Transport SN: Lag/Late	*CTL	[- / - / -]
026	SUPERIOR : Tray Lift Motor	*CTL	
027	SUPERIOR : Tray Shift Motor	*CTL	
045	1st Paper Tray: Late	*CTL	
046	1st Paper Tray: Lag	*CTL	
047	2nd Paper Tray: Late	*CTL	
048	2nd Paper Tray: Lag	*CTL	
049	1st Pullout Sensor: Late	*CTL	
050	1st Pullout Sensor: Lag	*CTL	[- / - / -]
051	2nd Pullout Sensor: Late	*CTL	
052	2nd Pullout Sensor: Lag	*CTL	
053	1st Vertical Transport Sensor: Late	*CTL	

054	1st Vertical Transport Sensor: Lag	*CTL	
055	2nd Vertical Transport Sensor: Late	*CTL	
056	2nd Vertical Transport Sensor: Lag	*CTL	
057	Original Exit Sensor : On	*CTL	
058	Original Exit Sensor : Off	*CTL	
059	Entrance Sensor: On	*CTL	
060	Entrance Sensor: Off	*CTL	
061	Exit Sensor: On	*CTL	
062	Exit Sensor: Off	*CTL	
063	1st Lift Motor	*CTL	
064	2nd Lift Motor	*CTL	
065	1st Pickup Motor	*CTL	
066	2nd Pickup Motor	*CTL	[- / - / -]
094	Main Machine Setting Incorrect	*CTL	
095	Transport Sensor 1: Late	*CTL	
096	Transport Sensor 1: Lag	*CTL	
097	Transport Sensor 2: Late	*CTL	
098	Transport Sensor 2: Lag	*CTL	
099	Transport Sensor 3: Late	*CTL	
100	Transport Sensor 3: Lag	*CTL	
101	Transport Sensor 4: Late	*CTL	
102	Transport Sensor 4: Lag	*CTL	[- / - / -]
103	Transport Sensor 5: Late	*CTL	
104	Transport Sensor 5: Lag	*CTL	

105	Main Machine Settin Incorrect	*CTL	[- / - / -]
115	Cover Feeder: Paper Set Sensor : Lag/Late	*CTL	
116	Cover Feeder: Paper Exit Sensor : Lag/Late	*CTL	
117	Cover Feeder Bottom Plate Motor	*CTL	
125	De-curler Entrance Sensor: Late	*CTL	[- / - / -]
126	De-curler Exit Sensor: Late	*CTL	[- / - / -]
145	Relay Sensor 1: Late	*CTL	[- / - / -]
146	Relay Sensor 1: Lag	*CTL	[- / - / -]
147	Relay Sensor 2: Late	*CTL	[- / - / -]
148	Relay Sensor 2: Lag	*CTL	[- / - / -]
149	Relay Sensor 3: Late	*CTL	[- / - / -]
150	Relay Sensor 3: Lag	*CTL	[- / - / -]
151	Relay Sensor 4: Late	*CTL	[- / - / -]
152	Relay Sensor 4: Lag	*CTL	[- / - / -]
153	Relay Sensor 5: Late	*CTL	[- / - / -]
154	Relay Sensor 5: Lag	*CTL	[- / - / -]
155	Relay Sensor 6: Late	*CTL	[- / - / -]
156	Relay Sensor 6: Lag	*CTL	[- / - / -]
157	Relay Sensor 7: Late	*CTL	[- / - / -]
158	Relay Sensor 7: Lag	*CTL	[- / - / -]
159	Relay Sensor 8: Late	*CTL	[- / - / -]
160	Relay Sensor 8: Lag	*CTL	[- / - / -]
161	Main Machine Setting Incorrect	*CTL	[- / - / -]

7514	**[Paper Jam Count by Location]** Total counter of transfer paper jam by each incidence place		
	Displays occurring count of transfer paper jams by each incidence place.		
001	At Power On	*CTL	Paper is not fed at power on. [0000 to 9999 / - / 1/step]
003	Tray1: On	*CTL	[0000 to 9999 / - / 1/step]
004	Tray2: On	*CTL	[0000 to 9999 / - / 1/step]
005	Tray3: On	*CTL	[0000 to 9999 / - / 1/step]
006	Tray4: On	*CTL	[0000 to 9999 / - / 1/step]
007	LCT: On	*CTL	[0000 to 9999 / - / 1/step]
008	Bypass: On	*CTL	[0000 to 9999 / - / 1/step]
009	Duplex: On	*CTL	[0000 to 9999 / - / 1/step]
010	Transport 1: On	*CTL	[0000 to 9999 / - / 1/step]
012	Transport 2:On	*CTL	[0000 to 9999 / - / 1/step]
013	Transport 3: On	*CTL	[0000 to 9999 / - / 1/step]
014	Transport 4: On	*CTL	[0000 to 9999 / - / 1/step]
015	LCT Transport: On	*CTL	[0000 to 9999 / - / 1/step]
016	LCT Exit: On	*CTL	[0000 to 9999 / - / 1/step]
017	LCT Relay: On	*CTL	[0000 to 9999 / - / 1/step]
018	Main Unit Relay: On	*CTL	[0000 to 9999 / - / 1/step]
019	Registration: On	*CTL	[0000 to 9999 / - / 1/step]
022	TH Transport: On	*CTL	[0000 to 9999 / - / 1/step]
024	Fusing Exit: On	*CTL	[0000 to 9999 / - / 1/step]
025	Inverter Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
026	Paper Exit Inverter: On	*CTL	[0000 to 9999 / - / 1/step]
028	Inverter Exit: On	*CTL	[0000 to 9999 / - / 1/step]

029	Paper Exit Relay: On	*CTL	[0000 to 9999 / - / 1/step]
030	Paper Exit: On	*CTL	[0000 to 9999 / - / 1/step]
031	Duplex Inverter: On	*CTL	[0000 to 9999 / - / 1/step]
033	Duplex Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
034	Dup Trans 1: On	*CTL	[0000 to 9999 / - / 1/step]
035	Dup Trans 2: On	*CTL	[0000 to 9999 / - / 1/step]
036	Dup Trans 3: On	*CTL	[0000 to 9999 / - / 1/step]
037	Dup Trans 4: On	*CTL	[0000 to 9999 / - / 1/step]
038	Duplex Exit: On	*CTL	[0000 to 9999 / - / 1/step]
057	LCT Feed: Off	*CTL	[0000 to 9999 / - / 1/step]
058	By-pass Feed: Off	*CTL	[0000 to 9999 / - / 1/step]
060	Transport 1: Off	*CTL	[0000 to 9999 / - / 1/step]
062	Transport 2: Off	*CTL	[0000 to 9999 / - / 1/step]
063	Transport 3: Off	*CTL	[0000 to 9999 / - / 1/step]
064	Transport 4: Off	*CTL	[0000 to 9999 / - / 1/step]
065	LCT Feed Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
066	LCT Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
067	LCT Relay: Off	*CTL	[0000 to 9999 / - / 1/step]
068	Main Unit Relay: Off	*CTL	[0000 to 9999 / - / 1/step]
069	Registration Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
072	TH Transport: Off	*CTL	[0000 to 9999 / - / 1/step]
074	Fusing Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
075	Inverter Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
076	Paper Exit Inverter: Off	*CTL	[0000 to 9999 / - / 1/step]
078	Inverter Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
079	Paper Exit Relay: Off	*CTL	[0000 to 9999 / - / 1/step]

080	Paper Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
081	Duplex Inverter: Off	*CTL	[0000 to 9999 / - / 1/step]
083	Duplex Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
084	Dup Trans 1: Off	*CTL	[0000 to 9999 / - / 1/step]
085	Dup Trans 2: Off	*CTL	[0000 to 9999 / - / 1/step]
086	Dup Trans 3: Off	*CTL	[0000 to 9999 / - / 1/step]
087	Dup Trans 4: Off	*CTL	[0000 to 9999 / - / 1/step]
088	Duplex Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
095	Double-Feed Detection: Front	*CTL	[0000 to 9999 / - / 1/step]
096	Timing: On	*CTL	[0000 to 9999 / - / 1/step]
097	Shift Over	*CTL	[0000 to 9999 / - / 1/step]
098	Paper Thickness Error	*CTL	[0000 to 9999 / - / 1/step]
099	Double-Feed Detection: Rear	*CTL	[0000 to 9999 / - / 1/step]
100	Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
101	Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
102	Proof Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
103	Proof Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
104	Shift Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
105	Shift Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
106	Stapler Exit: On	*CTL	[0000 to 9999 / - / 1/step]
107	Stapler Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
108	Pre-Stack: On	*CTL	[0000 to 9999 / - / 1/step]
109	Pre-Stack: Off	*CTL	[0000 to 9999 / - / 1/step]
110	Feed Out	*CTL	[0000 to 9999 / - / 1/step]
111	Motors	*CTL	[0000 to 9999 / - / 1/step]
112	Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]

113	Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
114	Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
115	Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
116	Feed Out Motor	*CTL	[0000 to 9999 / - / 1/step]
117	Punch Motor	*CTL	[0000 to 9999 / - / 1/step]
118	Z-Fold Motor	*CTL	[0000 to 9999 / - / 1/step]
119	Pre-Stack	*CTL	[0000 to 9999 / - / 1/step]
120	Main Machine Setting Incorrect	*CTL	[0000 to 9999 / - / 1/step]
148	Plockmatic Booklet Processor	*CTL	[0000 to 9999 / - / 1/step]
149	GBC Punch Unit	*CTL	[0000 to 9999 / - / 1/step]
150	Entrance Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
151	Entrance Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
152	Horizontal Transport Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
153	Horizontal Transport Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
154	Switchback Transport Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
155	Switchback Transport Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
156	Proof Tray Exit	*CTL	[0000 to 9999 / - / 1/step]
157	Shift Tray Exit	*CTL	[0000 to 9999 / - / 1/step]
158	Booklet Stapler Exit	*CTL	[0000 to 9999 / - / 1/step]
159	Entrance Motor	*CTL	[0000 to 9999 / - / 1/step]
160	Horizontal Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
161	Pre-Stack Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
162	Relay Motor	*CTL	[0000 to 9999 / - / 1/step]

163	Paper Exit Motor	*CTL	[0000 to 9999 / - / 1/step]
164	Trailing Edge Stack Plate Motor	*CTL	[0000 to 9999 / - / 1/step]
165	Paper Exit Open/Close Guide Plate Motor	*CTL	[0000 to 9999 / - / 1/step]
166	Punching Motor	*CTL	[0000 to 9999 / - / 1/step]
167	Punch Move Motor	*CTL	[0000 to 9999 / - / 1/step]
168	S-to-S Registration Detection	*CTL	[0000 to 9999 / - / 1/step]
169	Lower Junction Solenoid Motor	*CTL	[0000 to 9999 / - / 1/step]
170	Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
171	Positioning Roller Rotation Motor	*CTL	[0000 to 9999 / - / 1/step]
172	Feed Out Motor	*CTL	[0000 to 9999 / - / 1/step]
173	Corner Stapler Move Motor	*CTL	[0000 to 9999 / - / 1/step]
174	Corner Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
175	Booklet Stapler Jogger Motor	*CTL	[0000 to 9999 / - / 1/step]
176	Booklet Stapler Jog Solenoid Motor	*CTL	[0000 to 9999 / - / 1/step]
177	Booklet Stapler Standard Fence Motor	*CTL	[0000 to 9999 / - / 1/step]
178	Booklet Stapler Motor	*CTL	[0000 to 9999 / - / 1/step]
179	Dynamic Roller Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
180	Folder Transport Motor	*CTL	[0000 to 9999 / - / 1/step]
182	Press-Fold Motor	*CTL	[0000 to 9999 / - / 1/step]
183	Tray Lift Motor	*CTL	[0000 to 9999 / - / 1/step]
184	Shift Motor	*CTL	[0000 to 9999 / - / 1/step]
185	Shift Jogger Front Motor	*CTL	[0000 to 9999 / - / 1/step]
186	Shift Jogger Rear Motor	*CTL	[0000 to 9999 / - / 1/step]

187	Shift Jogger Retraction Motor	*CTL	[0000 to 9999 / - / 1/step]
188	Drag Roller Oscillating Motor	*CTL	[0000 to 9999 / - / 1/step]
189	Leading Edge Guide Motor	*CTL	[0000 to 9999 / - / 1/step]
190	Job Data Error	*CTL	[0000 to 9999 / - / 1/step]
200	Entrance: On	*CTL	[0000 to 9999 / - / 1/step]
201	Entrance: Off	*CTL	[0000 to 9999 / - / 1/step]
202	Top Tray Exit: On	*CTL	[0000 to 9999 / - / 1/step]
203	Top Tray Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
204	Horizontal Oath Exit: On	*CTL	[0000 to 9999 / - / 1/step]
205	Horizontal Path Exit: Off	*CTL	[0000 to 9999 / - / 1/step]
206	Stopper 1: On	*CTL	[0000 to 9999 / - / 1/step]
207	Stopper 1: Off	*CTL	[0000 to 9999 / - / 1/step]
208	Stopper 2: On	*CTL	[0000 to 9999 / - / 1/step]
209	Stopper 2: Off	*CTL	[0000 to 9999 / - / 1/step]
210	Stopper 3: On	*CTL	[0000 to 9999 / - / 1/step]
211	Stopper 3: Off	*CTL	[0000 to 9999 / - / 1/step]
212	Registration Correction	*CTL	[0000 to 9999 / - / 1/step]
213	Top Tray Transport	*CTL	[0000 to 9999 / - / 1/step]
214	Entrance JG Motor Error	*CTL	[0000 to 9999 / - / 1/step]
215	Stopper Motor 1 Error	*CTL	[0000 to 9999 / - / 1/step]
216	Stopper Motor 2 Error	*CTL	[0000 to 9999 / - / 1/step]
217	Stopper Motor 3 Error	*CTL	[0000 to 9999 / - / 1/step]
218	Dynamic Roller Lift Mt Error	*CTL	[0000 to 9999 / - / 1/step]
219	Regist Roller Release Mt Error	*CTL	[0000 to 9999 / - / 1/step]
220	Fold Plate Motor Error	*CTL	[0000 to 9999 / - / 1/step]
221	Jogger Fence Motor Error	*CTL	[0000 to 9999 / - / 1/step]

222	Direct-Send JG Motor Error	*CTL	[0000 to 9999 / - / 1/step]
223	FM6 Pawl Motor Error	*CTL	[0000 to 9999 / - / 1/step]
249	Main Machine Setting Incorrect	*CTL	[0000 to 9999 / - / 1/step]
250	Paper Feed: Late	*CTL	[0000 to 9999 / - / 1/step]
251	Paper Feed: Lag	*CTL	[0000 to 9999 / - / 1/step]
252	Pressure Timing Sn: Late	*CTL	[0000 to 9999 / - / 1/step]
253	Pressure Timing Sn: Lag	*CTL	[0000 to 9999 / - / 1/step]
254	Contact Timing Sn: Late	*CTL	[0000 to 9999 / - / 1/step]
255	Contact Timing Sn: Lag	*CTL	[0000 to 9999 / - / 1/step]

7515	**[Total Original Jam Detection]**		
	-		
001	At Power On	*CTL	[0000 to 9999 / - / 1/step]
013	Separation Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
014	Skew Correction zsensor: On	*CTL	[0000 to 9999 / - / 1/step]
015	Scanning Entrance Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
016	Registration Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
017	Original Exit Sensor: On	*CTL	[0000 to 9999 / - / 1/step]
063	Separation Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
064	Skew Correction Sn: Off	*CTL	[0000 to 9999 / - / 1/step]
065	Scanning Entrance Sn: Off	*CTL	[0000 to 9999 / - / 1/step]
066	Registration Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
067	Original Exit Sensor: Off	*CTL	[0000 to 9999 / - / 1/step]
239	Original Pull	*CTL	[0000 to 9999 / - / 1/step]

7516	**[Jam Paper Size Cnt]**

	Displays occurring count of transfer paper jams by each paper size.		
005	A4 LEF	*CTL	[0 to 9999 / **0** / 1 sheets/step]
006	A5 LEF	*CTL	
014	B5 LEF	*CTL	
038	LT LEF	*CTL	
044	HLT LEF	*CTL	
132	A3 SEF	*CTL	[0 to 9999 / **0** / 1 sheets/step]
133	A4 SEF	*CTL	
134	A5 SEF	*CTL	
141	B4 SEF	*CTL	
142	B5 SEF	*CTL	
160	DLT SEF	*CTL	[0 to 9999 / **0** / 1 sheets/step]
164	LG SEF	*CTL	
166	LT SEF	*CTL	
172	HLT SEF	*CTL	
255	Others	*CTL	

7519	**[Paper Jam Count by Location]**		
	-		
001	Up Stopper Sensor: Late	*CTL	[- / **-** / -]
002	Up Stopper Sensor: Lag	*CTL	
003	Lower Ex Sensor1: Late	*CTL	
004	Lower Ex Sensor1: Lag	*CTL	
005	Exit Sensor 3: Late	*CTL	
006	Exit Sensor 3: Lag	*CTL	
007	Brushless Motor	*CTL	

008	Lower Stopper Motor	*CTL	
009	Upper Stopper Motor	*CTL	
010	Main Machine Setting Incorrect	*CTL	
025	SUPERIOR : Vertical Transport SN: Lag/Late	*CTL	
026	SUPERIOR : Tray Lift Motor	*CTL	
027	SUPERIOR : Tray Shift Motor	*CTL	
045	1st Paper Tray: Late	*CTL	[- / - / -]
046	1st Paper Tray: Lag	*CTL	
047	2nd Paper Tray: Late	*CTL	
048	2nd Paper Tray: Lag	*CTL	
049	1st Pullout Sensor: Late	*CTL	
050	1st Pullout Sensor: Lag	*CTL	
051	2nd Pullout Sensor: Late	*CTL	
052	2nd Pullout Sensor: Lag	*CTL	
053	1st Vertical Transport Sensor: Late	*CTL	
054	1st Vertical Transport Sensor: Lag	*CTL	[- / - / -]
055	2nd Vertical Transport Sensor: Late	*CTL	
056	2nd Vertical Transport Sensor: Lag	*CTL	
057	Original Exit Sensor : On	*CTL	
058	Original Exit Sensor : Off	*CTL	
059	Entrance Sensor: On	*CTL	
060	Entrance Sensor: Off	*CTL	[- / - / -]

061	Exit Sensor: On	*CTL	
062	Exit Sensor: Off	*CTL	
063	1st Lift Motor	*CTL	
064	2nd Lift Motor	*CTL	
065	1st Pickup Motor	*CTL	
066	2nd Pickup Motor	*CTL	
094	Main Machine Setting Incorrect	*CTL	
095	Transport Sensor 1: Late	*CTL	
096	Transport Sensor 1: Lag	*CTL	
097	Transport Sensor 2: Late	*CTL	
098	Transport Sensor 2: Lag	*CTL	
099	Transport Sensor 3: Late	*CTL	
100	Transport Sensor 3: Lag	*CTL	
101	Transport Sensor 4: Late	*CTL	
102	Transport Sensor 4: Lag	*CTL	[- / - / -]
103	Transport Sensor 5: Late	*CTL	
104	Transport Sensor 5: Lag	*CTL	
105	Main Machine Setting Incorrect	*CTL	
115	Cover Feeder: Paper Set Sensor : Lag/Late	*CTL	
116	Cover Feeder: Paper Exit Sensor : Lag/Late	*CTL	[- / - / -]
117	Cover Feeder Bottom Plate Motor	*CTL	
125	De-curler Entrance Sensor: Late	*CTL	[- / - / -]
126	De-curler Exit Sensor: Late	*CTL	[- / - / -]

145	Relay Sensor 1: Late	*CTL	[- / - / -]
146	Relay Sensor 1: Lag	*CTL	[- / - / -]
147	Relay Sensor 2: Late	*CTL	[- / - / -]
148	Relay Sensor 2: Lag	*CTL	[- / - / -]
149	Relay Sensor 3: Late	*CTL	[- / - / -]
150	Relay Sensor 3: Lag	*CTL	[- / - / -]
151	Relay Sensor 4: Late	*CTL	[- / - / -]
152	Relay Sensor 4: Lag	*CTL	[- / - / -]
153	Relay Sensor 5: Late	*CTL	[- / - / -]
154	Relay Sensor 5: Lag	*CTL	[- / - / -]
155	Relay Sensor 6: Late	*CTL	[- / - / -]
156	Relay Sensor 6: Lag	*CTL	[- / - / -]
157	Relay Sensor 7: Late	*CTL	[- / - / -]
158	Relay Sensor 7: Lag	*CTL	[- / - / -]
159	Relay Sensor 8: Late	*CTL	[- / - / -]
160	Relay Sensor 8: Lag	*CTL	[- / - / -]
161	Main Machine Setting Incorrect	*CTL	[- / - / -]

7520	**[Update Log]**		
001	ErrorRecord1	*CTL	[1 to 255 / **0** / 1/step]
002	ErrorRecord2	*CTL	
003	ErrorRecord3	*CTL	
004	ErrorRecord4	*CTL	[1 to 255 / **0** / 1/step]
005	ErrorRecord5	*CTL	
006	ErrorRecord6	*CTL	
007	ErrorRecord7	*CTL	[1 to 255 / **0** / 1/step]

008	ErrorRecord8	*CTL	
009	ErrorRecord9	*CTL	
010	ErrorRecord10	*CTL	

7617	**[PM Parts Counter Display]**		
001	Normal	*CTL	[- / **-** / -]
002	Df	*CTL	

7618	**[PM Parts Counter Reset]**		
001	Normal	CTL	[- / **-** / -] [Execute]
002	Df	CTL	

7621	**[PM Counter]**		
	Displays PM Counter. (Page Count)		
001	#PCDU:K	ENG	[0 to 99999999 / **0** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	
017	#K_Charge Roller Unit	ENG	[0 to 99999999 / **0** / 1/step]

018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	[0 to 99999999 / **0** / 1/step]
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	[0 to 99999999 / **0** / 1/step]
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	[0 to 99999999 / **0** / 1/step]
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	[0 to 99999999 / **0** / 1/step]
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	

056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	[0 to 99999999 / **0** / 1/step]
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	[0 to 99999999 / **0** / 1/step]
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	[0 to 99999999 / **0** / 1/step]
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	[0 to 99999999 / **0** / 1/step]
090	#PCU:Y	ENG	

093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	[0 to 99999999 / **0** / 1/step]
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	
102	#ITB Cleaning Unit	ENG	[0 to 99999999 / **0** / 1/step]
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	[0 to 99999999 / **0** / 1/step]
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	
116	Fusing Belt	ENG	[0 to 99999999 / **0** / 1/step]
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	[0 to 99999999 / **0** / 1/step]
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	

133	Ozone Filter	ENG	
134	Deodorant Filter:Large	ENG	[0 to 99999999 / **0** / 1/step]
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / **0** / 1/step]
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / **0** / 1/step]
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	[0 to 99999999 / **0** / 1/step]
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	

169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / **0** / 1/step]
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / **0** / 1/step]
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / **0** / 1/step]
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / **0** / 1/step]
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	

201	Separation Roller:Interposer	ENG	[0 to 99999999 / **0** / 1/step]
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	

7622	**[Reset]**		
	Resets PM Counter.		
001	#PCDU:K	ENG	[- / **-** / -] [Execute]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[- / **-** / -] [Execute]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	
017	#K_Charge Roller Unit	ENG	[- / **-** / -] [Execute]
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	
024	#PCDU:C	ENG	[- / **-** / -]

026	#C_Development Unit	ENG	[Execute]
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	
032	C_Cleaning Blade	ENG	[- / - / -] [Execute]
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	
037	Gears:C	ENG	[- / - / -] [Execute]
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	
044	#PCU:C	ENG	[- / - / -] [Execute]
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	[- / - / -] [Execute]
060	Gears:M	ENG	

063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	[- / - / -] [Execute]
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	[- / - / -] [Execute]
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	[- / - / -] [Execute]
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	[- / - / -] [Execute]
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	[- / - / -] [Execute]
097	ITB Roller: M	ENG	

098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	
102	#ITB Cleaning Unit	ENG	[- / - / -] [Execute]
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	[- / - / -] [Execute]
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	
116	Fusing Belt	ENG	[- / - / -] [Execute]
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
120	Fusing Belt Smoothing Roller	ENG	
124	#Fusing Cleaning Unit	ENG	[- / - / -] [Execute]
125	Cleaning Web	ENG	
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	[- / - / -] [Execute]
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	
134	Deodorant Filter:Large	ENG	

135	Deodorant Filter:Small	ENG	
145	#Tray1 Roller Assembly	ENG	[- / - / -] [Execute]
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	[- / - / -] [Execute]
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	[- / - / -] [Execute]
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	[- / - / -] [Execute]
169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	

172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	[- / - / -] [Execute]
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	[- / - / -] [Execute]
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	[- / - / -] [Execute]
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	[- / - / -] [Execute]
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	

206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	[- / - / -] [Execute]
208	ADF Pick-up Roller	ENG	

7623	**[Standard Value]**		
	Displays Standard Value.		
001	#PCDU:K	ENG	[0 to 99999999 / **300000** / 1/step]
003	#K_Development Unit	ENG	[0 to 99999999 / **3000000** / 1/step]
004	Development: Bk	ENG	[0 to 99999999 / **600000** / 1/step]
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	[0 to 99999999 / **300000** / 1/step]
009	K_Cleaning Blade	ENG	
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	[0 to 99999999 / **300000** / 1/step]
014	Gears:K	ENG	
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	[0 to 99999999 / **300000** / 1/step]
021	#PCU:K	ENG	
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	[0 to 99999999 / **3000000** / 1/step]
027	Development: C	ENG	[0 to 99999999 / **600000** / 1/step]

028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 99999999 / **300000** / 1/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 99999999 / **300000** / 1/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 99999999 / **300000** / 1/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	[0 to 99999999 / **3000000** / 1/step]
050	Development: M	ENG	[0 to 99999999 / **600000** / 1/step]
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	[0 to 99999999 / **300000** / 1/step]
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	[0 to 99999999 / **300000** / 1/step]
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	

064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	[0 to 99999999 / **300000** / 1/step]
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	[0 to 99999999 / **3000000** / 1/step]
073	Development: Y	ENG	[0 to 99999999 / **600000** / 1/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	[0 to 99999999 / **300000** / 1/step]
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	[0 to 99999999 / **300000** / 1/step]
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	[0 to 99999999 / **300000** / 1/step]
090	#PCU:Y	ENG	[0 to 99999999 / **900000** / 1/step]
093	#Image Transfer Unit	ENG	[0 to 99999999 / **1200000** / 1/step]
094	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / **900000** / 1/step]
095	ITB Roller: K	ENG	[0 to 99999999 / **1200000** / 1/step]

096	ITB Roller: C	ENG	[0 to 99999999 / **1200000** / 1/step]
097	ITB Roller: M	ENG	[0 to 99999999 / **1200000** / 1/step]
098	ITB Roller: Y	ENG	[0 to 99999999 / **1200000** / 1/step]
099	ITB Bias Roller	ENG	
102	#ITB Cleaning Unit	ENG	[0 to 99999999 / **600000** / 1/step]
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	[0 to 99999999 / **600000** / 1/step]
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	[0 to 99999999 / **450000** / 1/step]
115	#Fusing Unit	ENG	[0 to 99999999 / **600000** / 1/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 99999999 / **450000** / 1/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	[0 to 99999999 / **600000** / 1/step]
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 99999999 / **1200000** /

134	Deodorant Filter:Large	ENG	1/step]
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	[0 to 99999999 / **2280000** / 1/step]
145	#Tray1 Roller Assembly	ENG	[0 to 99999999 / **1000000** / 1/step]
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	[0 to 99999999 / **1000000** / 1/step]
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	[0 to 99999999 / **1000000** / 1/step]
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	[0 to 99999999 / **1000000** / 1/step]
169	#Feed Roller:Bypass	ENG	

170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	[0 to 99999999 / **300000** / 1/step]
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	[0 to 99999999 / **1000000** / 1/step]
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / **600000** / 1/step]
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / **600000** / 1/step]
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	[0 to 99999999 / **600000** / 1/step]

202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	[0 to 99999999 / **1200000** / 1/step]
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	

7624	**[Parts Replacement Operation ON/OFF]**			
	-			
001	#PCDU:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
003	#Development Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
004	Developer:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
005	Developer Filter:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
008	#Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
009	Cleaning Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
010	Brush Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

011	Coating Bar:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
012	Apply Blade:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
013	Joint:Cleaning Unit:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
014	Gear:Cleaning:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
017	#Charge Roller Cleaner:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
018	Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
019	Charge Roller Cleaner:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
020	Gear:Charge Roller:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
021	#Photo Conductor:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
024	#PCDU:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
026	#Development Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

027	Developer:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
028	Developer Filter:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
031	#Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
032	Cleaning Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
033	Brush Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
034	Coating Bar:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
035	Apply Blade:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
036	Joint: Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
037	Gear: Cleaning Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
040	#Charge Roller Unit:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
041	Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

042	Charge Roller Cleaner:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
043	Gear: Charge Roller:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
044	#Photo Conductor:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
047	#PCDU:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
049	#Development Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
050	Developer:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
051	Developer Filter:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
054	#Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
055	Cleaning Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
056	Brush Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
057	Coating Bar:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

058	Apply Blade:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
059	Joint: Cleaning Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
060	Gear: Cleaning:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
063	#Charge Roller Unit:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
064	Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
065	Charge Roller Cleaner:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
066	Gear: Charge Roller:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
067	#Photo Conductor:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
070	#PCDU:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
072	#Development Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
073	Developer:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

074	Developer Filter:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
077	#Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
078	Cleaning Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
079	Brush Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
080	Coating Bar:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
081	Apply Blade:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
082	Joint:Cleaning Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
083	Gear: Cleaning: Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
086	#Charge Roller Unit:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
087	Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
088	Charge Roller Cleaner:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

089	Gear: Charge Roller:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
090	#Photo Conduntor:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
093	#ITB Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
094	ITB(Intermedediate Transfer Belt)	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
095	Transfer Roller:ITB:K	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
096	Transfer Roller: ITB:C	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
097	Transfer Roller: ITB:M	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
098	Transfer Roller: ITB:Y	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
099	Paper Transfer: Backup Roller: ITB	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
102	#ITB Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

103	ITB Cleaning Blade	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
104	ITB Lubricant BrushRoller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
105	ITB Lubricant bar	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
106	ITB Lubricant blade	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
109	#PTR Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
110	Paper Transfer Discharge Plate	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
111	PTR (Paper Transfer Unit)	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
114	#Fusing Unit Assy	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
115	#Fusing Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
116	Fusing Belt	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
117	Hot Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

118	Pressure Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
119	Shaft Bearing: Press Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
120	Refresh Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
124	#Fusing Cleaning Unit	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
125	Cleaning Web	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
126	Web Cleaning Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
127	Web Brake Pad	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
130	#Filter: Main	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
131	Dust Filter: Large	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
132	Dust Filter: Small	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
133	Ozone Filter	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

134	Deodorant Filter: Large	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
135	Deodorant Filter: Small	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
142	Waste Toner Bottle	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
145	#Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
146	Pick-up Roller: Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
147	Feed Roller: Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
148	Separation Roller: Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
151	#Tray2 Roller	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
152	Pick-up Roller: Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
153	Feed Roller: Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
154	Separation Roller: Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

157	#Tray3 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
158	Pick-up Roller: Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
159	Feed Roller: Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
160	Separation Roller: Tray3	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
163	#Tray4 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
164	Pick-up Roller: Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
165	Feed Roller: Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
166	Separation Roller: Tray4	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
169	#By-pass Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
170	Pick-up Roller: By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
171	Feed Roller: By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

172	Separation Roller: By-pass	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
175	#A3_DLT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
176	Pick-up Roller: A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
177	Feed Roller: A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
178	Separation Roller: A3_DLT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
181	#A4_LT LCT Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
182	Pick-up Roller: A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
183	Feed Roller: A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
184	Separation Roller: A4_LT LCT	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
187	#Inseter Tray1 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
188	Pick-up Roller: Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

189	Feed Belt: Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
190	Separation Roller: Inserter Tray1	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
193	#Inserter Tray2 Rollers	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
194	Pick-up Roller: Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
195	Feed Belt: Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
196	Separation Roller: Inserter Tray2	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
199	#Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
200	Feed Belt: Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
201	Separation Roller: Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
202	Pick-up Roller: Interposer	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
205	#ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

206	Feed Belt: ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
207	Separation Roller: ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	
208	Pick-up Roller: ADF	*CTL	[0 or 1 / **0** / 1/step] 0: No 1: Yes	

7625	**[Pg Count History:Latest 1]**		
	-		
001	#PCDU:K	ENG	[0 to 99999999 / **0** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 99999999 / **0** / 1/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 99999999 / **0** / 1/step]

024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	[0 to 99999999 / **0** / 1/step]
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	[0 to 99999999 / **0** / 1/step]
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	
044	#PCU:C	ENG	
047	#PCDU:M	ENG	[0 to 99999999 / **0** / 1/step]
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	[0 to 99999999 / **0** / 1/step]
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	[0 to 99999999 / **0** / 1/step]

060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	[0 to 99999999 / **0** / 1/step]
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	[0 to 99999999 / **0** / 1/step]
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	[0 to 99999999 / **0** / 1/step]
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	[0 to 99999999 / **0** / 1/step]
096	ITB Roller: C	ENG	

097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	[0 to 99999999 / **0** / 1/step]
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	[0 to 99999999 / **0** / 1/step]
114	#Fusing	ENG	
115	#Fusing Unit	ENG	
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	[0 to 99999999 / **0** / 1/step]
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	[0 to 99999999 / **0** / 1/step]
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	[0 to 99999999 / **0** / 1/step]
145	#Tray1 Roller Assembly	ENG	

146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / **0** / 1/step]
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	[0 to 99999999 / **0** / 1/step]
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	[0 to 99999999 / **0** / 1/step]
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / **0** / 1/step]
172	Feed Roller:Bypass:Separation Roller	ENG	

175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / **0** / 1/step]
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / **0** / 1/step]
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / **0** / 1/step]
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	[0 to 99999999 / **0** / 1/step]
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	

208	ADF Pick-up Roller	ENG	[0 to 99999999 / **0** / 1/step]

7626	**[Pg Count History:Latest 2]**		
	Displays the Pg Count History immediately prior to the latest one.		
001	#PCDU:K	ENG	[0 to 99999999 / **0** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 99999999 / **0** / 1/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 99999999 / **0** / 1/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 99999999 / **0** / 1/step]
032	C_Cleaning Blade	ENG	

033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 99999999 / **0** / 1/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 99999999 / **0** / 1/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	[0 to 99999999 / **0** / 1/step]
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	[0 to 99999999 / **0** / 1/step]
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	[0 to 99999999 / **0** / 1/step]
067	#PCU:M	ENG	

070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	[0 to 99999999 / **0** / 1/step]
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	[0 to 99999999 / **0** / 1/step]
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	[0 to 99999999 / **0** / 1/step]
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	[0 to 99999999 / **0** / 1/step]
104	Lubricant Brush	ENG	

105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	[0 to 99999999 / **0** / 1/step]
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	
116	Fusing Belt	ENG	[0 to 99999999 / **0** / 1/step]
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	[0 to 99999999 / **0** / 1/step]
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	
134	Deodorant Filter:Large	ENG	[0 to 99999999 / **0** / 1/step]
135	Deodorant Filter:Small	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 99999999 / **0** / 1/step]
151	#Tray2 Roller Assembly	ENG	

152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	[0 to 99999999 / **0** / 1/step]
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	[0 to 99999999 / **0** / 1/step]
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 99999999 / **0** / 1/step]
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 99999999 / **0** / 1/step]

181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	[0 to 99999999 / **0** / 1/step]
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	[0 to 99999999 / **0** / 1/step]
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	[0 to 99999999 / **0** / 1/step]
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	[0 to 99999999 / **0** / 1/step]

7628	**[Reset]**		
	Resets all counts for PM Counter.		
002	Reset All Counts	ENG	[- / **-** / -] [Execute]

7801	**[ROM No./ Firmware Version]**		
	Displays all version numbers, part numbers in machine.		
255	-	CTL	-

7803	**[PM Counter Display]**		
	Displays the PM counter for each unit.		
001	Paper	*CTL	[0 to 999999 / **0** / 1/step]

7804	**[PM Counter Reset]**		
	Clears the PM counter. Press the Enter key after the machine asks “Execute?”, which will store the PM counter value in SP7-906 (PM Counter - Previous) and reset the value of the current PM counter (SP7-803) to “0”.		
001	Paper	CTL	[- / - / -] [Execute]

7807	**[SC/Jam Counter Reset]**		
	Resets the SC, paper, original, and total jam counters. When the program ends normally, the message "Completed" is displayed. Note ▪ SP7-807-1 does not reset the following logs: SP7-507 (Display-Paper Jam History) and SP7-508 (Display-Original Jam History).		
001	-	*CTL	[- / - / -] [Execute]

7826	**[MF Error Counter]**		
	Displays the counter that couldn’t send count command to the MF charging device.		
001	Error Total	*CTL	[- / - / -]
002	Error Staple	*CTL	[- / - / -]

7827	**[MF Error Counter Clear]**		
	Clears MF Error Counter.		
001	-	CTL	[- / - / -] [Execute]

7832	**[Self-Diagnose Display]**		
	Displays the result of the diagnostics. To scroll the return codes, press the up-arrow key or the down-arrow key.		
001	-	CTL	[- / - / -]

7835	**[ACC Counter]**		
	-		
001	Copy ACC	*CTL	[- / - / -]
002	Printer ACC	*CTL	[- / - / -]

7836	**[Total Memory Size]**		
	Displays the memory capacity of the controller system.		
001	-	CTL	[- / - / -]

7840	**[Service SP Entry Code Chg Hist]**		
	Records dates and times of resetting / changing “Service SP mode switch code setting” for the recent 2 times. (Decides whether the record is for setting changes or resets by branch number.)		
001	Change Time :Latest	*CTL	[- / - / -]
002	Change Time : Last1	*CTL	[- / - / -]
101	Initialize Time : Latest	*CTL	[- / - / -]
102	Initialize Time : Last1	*CTL	[- / - / -]

7852	[DF Glass Dust Check]		
001	Dust Detection Counter	*ENG	[0 to 65535 / **0** / 1/step]
	Records the time of detecting dust on all points of surface scanning position. Decides as same dust and won't count it when detected even before the next job. *Counts when SP4-020-001: DF Scanning glass dust detect setting chart is ON.		
002	Dust Detection Clear Counter	*ENG	[0 to 65535 / **0** / 1/step]
	For checking effect for surface scan position move. Counts the times for stripes avoided by detecting dust and moving scan position of sheet through DF. *Counts when SP4-020-001: DF Scanning glass dust detect setting chart is ON.		
003	Dust Detection Counter: Back	*ENG	[0 to 65535 / **0** / 1/step]
	Counts the times for detecting dust at all points of rear face scanning position. Decides as same dust and won't count it when detected even before the next job. *Counts when SP4-020-001: DF Scanning glass dust detect setting chart is ON.		

7855	[Coverage Range]		
001	Coverage Range 1	*CTL	[0 to 200 / **5** / 1time/step]
002	Coverage Range 2	*CTL	[0 to 200 / **20** / 1time/step]

7901	[Assert Info.]		
	Records the location where a problem is detected in the program. The data stored in this SP is used for problem analysis.		
001	File Name	*CTL	[- / - / -]
002	Number of Lines	*CTL	[- / - / -]
003	Location	*CTL	[- / - / -]

7910	[ROM Number]		
	-		
005	ADF	CTL	[- / - / -]
007	Finisher 1	CTL	[- / - / -]
008	Finisher 2	CTL	[- / - / -]
010	LCT	CTL	[- / - / -]
011	Mailbox	CTL	[- / - / -]
020	Inserter	CTL	[- / - / -]
025	Z-Fold	CTL	[- / - / -]
026	IH Fusing	CTL	[- / - / -]
029	R-Binder (Basement 1)	CTL	[- / - / -]
030	Ri-Binder (Basement 2)	CTL	[- / - / -]
036	Stucker 1	CTL	[- / - / -]
039	Stucker 2	CTL	[- / - / -]
152	RPDL	CTL	[- / - / -]
156	R55	CTL	[- / - / -]
157	RTIFF	CTL	[- / - / -]
160	MSIS	CTL	[- / - / -]
163	BMLinkS	CTL	[- / - / -]
166	IPDS	CTL	[- / - / -]

7911	[Firmware Version]		
	-		
005	ADF	CTL	[- / - / -]
007	Finisher 1	CTL	[- / - / -]

008	Finisher 2	CTL	[- / - / -]
010	LCT	CTL	[- / - / -]
011	Mailbox	CTL	[- / - / -]
020	Inserter	CTL	[- / - / -]
025	Z-Fold	CTL	[- / - / -]
026	IH Fusing	CTL	[- / - / -]
029	R-Binder (Basement 1)	CTL	[- / - / -]
030	Ri-Binder (Basement 2)	CTL	[- / - / -]
036	Stucker 1	CTL	[- / - / -]
039	Stucker 2	CTL	[- / - / -]
152	RPDL	CTL	[- / - / -]
156	R55	CTL	[- / - / -]
157	RTIFF	CTL	[- / - / -]
160	MSIS	CTL	[- / - / -]
163	BMLinkS	CTL	[- / - / -]
166	IPDS	CTL	[- / - / -]

7931	**[Toner Bottle Bk]**		
001	Machine Serial ID	*ENG	[0 to 255 / **0** / 1/step]
	Machine Serial Code used in Machine Serial Code API.		
002	Cartridge Ver	*ENG	[0 to 255 / **0** / 1/step]
003	Brand ID	*ENG	[0 to 255 / **0** / 1/step]
004	Area ID	*ENG	[0 to 255 / **0** / 1/step]
005	Product ID	*ENG	[0 to 255 / **0** / 1/step]
	Records the identification information for Fill amount information.		
006	Color ID	*ENG	[0 to 255 / **0** / 1/step]

007	Maintenance ID	*ENG	[0 to 255 / **0** / 1/step]
008	New Product Information	*ENG	[0 to 255 / **0** / 1/step]
009	Recycle Counter	*ENG	[0 to 255 / **0** / 1/step]
010	Date	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
012	Toner Remaining	*ENG	[0 to 100 / **100** / 1%/step]
	Keeps the data with 1% Step.		
013	EDP Code	*ENG	[0 or 1 / **0** / 1/step]
	EDP Code for Toner		
014	End History	*ENG	[0 or 1 / **0** / 1/step]
	Tone End/Near End Detection History		
015	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
016	Attachment: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
017	Attachment: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when Toner is attached.		
018	End: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when End is detected. Writes also when Near End is detected.		
019	End: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when End is detected. Writes also when Near End is detected.		
020	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]

	Writes Date when Toner is attached.		
021	End Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date for Toner End. Writes also when Near End is detected.		

5.2 SP7-932 TO 988 (DATA LOG)

7932	**[Toner Bottle C]**		
001	Machine Serial ID	*ENG	[0 to 255 / **0** / 1/step]
	Machine Serial Code used in Machine Serial Code API.		
002	Cartridge Ver	*ENG	[0 to 255 / **0** / 1/step]
003	Brand ID	*ENG	[0 to 255 / **0** / 1/step]
004	Area ID	*ENG	[0 to 255 / **0** / 1/step]
005	Product ID	*ENG	[0 to 255 / **0** / 1/step]
	Records the identification information for Fill amount information.		
006	Color ID	*ENG	[0 to 255 / **0** / 1/step]
007	Maintenance ID	*ENG	[0 to 255 / **0** / 1/step]
008	New Product Information	*ENG	[0 to 255 / **0** / 1/step]
009	Recycle Counter	*ENG	[0 to 255 / **0** / 1/step]
010	Date	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
012	Toner Remaining	*ENG	[0 to 100 / **100** / 1%/step]
	Keeps the data with 1% Step.		
013	EDP Code	*ENG	[0 or 1 / **0** / 1/step]
	EDP Code for Toner		
014	End History	*ENG	[0 or 1 / **0** / 1/step]
	Tone End/Near End Detection History		
015	Refill Information	*ENG	[0 or 1 / **0** / 1/step]

	Refill Detection, IS Detection Information		
016	Attachment: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
017	Attachment: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when Toner is attached.		
018	End: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when End is detected. Writes also when Near End is detected.		
019	End: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when End is detected. Writes also when Near End is detected.		
020	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
021	End Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date for Toner End. Writes also when Near End is detected.		

7933	**[Toner Bottle C]**		
001	Machine Serial ID	*ENG	[0 to 255 / **0** / 1/step]
	Machine Serial Code used in Machine Serial Code API.		
002	Cartridge Ver	*ENG	[0 to 255 / **0** / 1/step]
003	Brand ID	*ENG	[0 to 255 / **0** / 1/step]
004	Area ID	*ENG	[0 to 255 / **0** / 1/step]
005	Product ID	*ENG	[0 to 255 / **0** / 1/step]
	Records the identification information for Fill amount information.		
006	Color ID	*ENG	[0 to 255 / **0** / 1/step]
007	Maintenance ID	*ENG	[0 to 255 / **0** / 1/step]
008	New Product Information	*ENG	[0 to 255 / **0** / 1/step]

009	Recycle Counter	*ENG	[0 to 255 / **0** / 1/step]
010	Date	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
012	Toner Remaining	*ENG	[0 to 100 / **100** / 1%/step]
	Keeps the data with 1% Step.		
013	EDP Code	*ENG	[0 or 1 / **0** / 1/step]
	EDP Code for Toner		
014	End History	*ENG	[0 or 1 / **0** / 1/step]
	Tone End/Near End Detection History		
015	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
016	Attachment: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
017	Attachment: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when Toner is attached.		
018	End: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when End is detected. Writes also when Near End is detected.		
019	End: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when End is detected. Writes also when Near End is detected.		
020	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
021	End Date	*ENG	[0 or 1 / **0** / 1/step]

	Writes Date for Toner End. Writes also when Near End is detected.

7934	**[Toner Bottle Y]**		
001	Machine Serial ID	*ENG	[0 to 255 / **0** / 1/step]
	Machine Serial Code used in Machine Serial Code API.		
002	Machine Serial ID	*ENG	[0 to 255 / **0** / 1/step]
003	Cartridge Ver	*ENG	[0 to 255 / **0** / 1/step]
004	Brand ID	*ENG	[0 to 255 / **0** / 1/step]
005	Area ID	*ENG	[0 to 255 / **0** / 1/step]
	Records the identification information for Fill amount information.		
006	Color ID	*ENG	[0 to 255 / **0** / 1/step]
007	Maintenance ID	*ENG	[0 to 255 / **0** / 1/step]
008	New Product Information	*ENG	[0 to 255 / **0** / 1/step]
009	Recycle Counter	*ENG	[0 to 255 / **0** / 1/step]
010	Date	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Uses for Toner Individual Detection.		
012	Toner Remaining	*ENG	[0 to 100 / **100** / 1%/step]
	Keeps the data with 1% Step.		
013	EDP Code	*ENG	[0 or 1 / **0** / 1/step]
	EDP Code for Toner		
014	End History	*ENG	[0 or 1 / **0** / 1/step]
	Tone End/Near End Detection History		
015	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

016	Attachment: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
017	Attachment: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when Toner is attached.		
018	End: Total Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when End is detected. Writes also when Near End is detected.		
019	End: Color Counter	*ENG	[0 to 99999999 / **0** / 1/step]
	Writes Main Unit Color Counter Value with binary data when End is detected. Writes also when Near End is detected.		
020	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
021	End Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date for Toner End. Writes also when Near End is detected.		

7935	**[Toner Bottle Log 1: Bk]**		
001	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
002	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
003	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
004	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7935	**[Toner Bottle Log 2: Bk]**		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		

012	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
013	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
014	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7935	**[Toner Bottle Log 3: Bk]**		
021	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
022	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
023	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
024	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7935	**[Toner Bottle Log 4: Bk]**		
031	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
032	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
033	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
034	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7935	**[Toner Bottle Log 5: Bk]**		
041	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]

	Displays traditional ASCII 16 byte Display with BCD 8byte.		
042	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
043	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
044	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

7936	**[Toner Bottle Log 1:M]**		
001	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
002	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
003	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
004	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7936	**[Toner Bottle Log 2:M]**		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
012	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
013	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
014	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

7936	**[Toner Bottle Log 3:M]**		
021	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
022	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
023	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
024	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7936	**[Toner Bottle Log 4:M]**		
031	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
032	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
033	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
034	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7936	**[Toner Bottle Log 5:M]**		
041	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
042	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
043	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		

044	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

7937	**[Toner Bottle Log 1:C]**		
001	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
002	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
003	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
004	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7937	**[Toner Bottle Log 2:C]**		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
012	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
013	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
014	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information.		
7937	**[Toner Bottle Log 3:C]**		
021	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
022	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]

	Writes Date when Toner is attached.		
023	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
024	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7937	**[Toner Bottle Log 4:C]**		
031	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
032	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
033	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
034	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7937	**[Toner Bottle Log 5:C]**		
041	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
042	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
043	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
044	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

7938	**[Toner Bottle Log 1: Y]**		
001	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]

	Displays traditional ASCII 16 byte Display with BCD 8byte.		
002	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
003	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
004	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7938	**[Toner Bottle Log 2: Y]**		
011	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
012	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
013	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
014	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7938	**[Toner Bottle Log 3: Y]**		
021	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
022	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
023	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
024	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7938	**[Toner Bottle Log 4: Y]**		

031	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
032	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
033	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
034	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		
7938	**[Toner Bottle Log 5: Y]**		
041	SerialNo.	*ENG	[0 or 1 / **0** / 1/step]
	Displays traditional ASCII 16 byte Display with BCD 8byte.		
042	Attachment Date	*ENG	[0 or 1 / **0** / 1/step]
	Writes Date when Toner is attached.		
043	Attachment: Total Counter	*ENG	[0 to 999999 / **0** / 1/step]
	Writes Main Unit Total Counter Value with binary data when Toner is attached.		
044	Refill Information	*ENG	[0 or 1 / **0** / 1/step]
	Refill Detection, IS Detection Information		

7940	**[Drive Distance:End Std Value]**		
	Displays Drive Distance Counter End Standard Value.		
001	#PCDU:K	ENG	[0 to 999999 / **167500** / 1m/step]
003	#K_Development Unit	ENG	[0 to 999999 / **1289500** / 1m/step]
004	Development: Bk	ENG	[0 to 999999 / **257900** / 1m/step]
005	Development Filter:K	ENG	[0 to 999999 / **257900** / 1m/step]
008	#Cleaning Unit: K	ENG	[0 to 999999 / **167500** / 1m/step]
009	K_Cleaning Blade	ENG	[0 to 999999 / **167500** / 1m/step]

010	K_Lubricant Brush	ENG	[0 to 999999 / **167500** / 1m/step]
011	Lubricant Bar: K	ENG	[0 to 999999 / **167500** / 1m/step]
012	K_Lubricant Blade	ENG	[0 to 999999 / **167500** / 1m/step]
013	Brash Drive Joint:K	ENG	[0 to 999999 / **167500** / 1m/step]
014	Gears:K	ENG	[0 to 999999 / **167500** / 1m/step]
017	#K_Charge Roller Unit	ENG	[0 to 999999 / **167500** / 1m/step]
018	Charge Roller: K	ENG	[0 to 999999 / **167500** / 1m/step]
019	Cleaner:Charge Roller:K	ENG	[0 to 999999 / **167500** / 1m/step]
020	Gear:Charge Roller:K	ENG	[0 to 999999 / **167500** / 1m/step]
021	#PCU:K	ENG	[0 to 999999 / **502600** / 1m/step]
024	#PCDU:C	ENG	[0 to 999999 / **167500** / 1m/step]
026	#C_Development Unit	ENG	[0 to 999999 / **1289500** / 1m/step]
027	Development: C	ENG	[0 to 999999 / **257900** / 1m/step]
028	Development Filter:C	ENG	[0 to 999999 / **257900** / 1m/step]
031	#Cleaning Unit: C	ENG	[0 to 999999 / **167500** / 1m/step]
032	C_Cleaning Blade	ENG	[0 to 999999 / **167500** / 1m/step]
033	C_Lubricant Brush	ENG	[0 to 999999 / **167500** / 1m/step]
034	Lubricant Bar: C	ENG	[0 to 999999 / **167500** / 1m/step]
035	C_Lubricant Blade	ENG	[0 to 999999 / **167500** / 1m/step]
036	Brash Drive Joint:C	ENG	[0 to 999999 / **167500** / 1m/step]
037	Gears:C	ENG	[0 to 999999 / **167500** / 1m/step]
040	#C_Charge Roller Unit	ENG	[0 to 999999 / **167500** / 1m/step]
041	Charge Roller: C	ENG	[0 to 999999 / **167500** / 1m/step]
042	Cleaner:Charge Roller:C	ENG	[0 to 999999 / **167500** / 1m/step]
043	Gear:Charge Roller:C	ENG	[0 to 999999 / **167500** / 1m/step]
044	#PCU:C	ENG	[0 to 999999 / **502600** / 1m/step]

047	#PCDU:M	ENG	[0 to 999999 / **167500** / 1m/step]
049	#M_Development Unit	ENG	[0 to 999999 / **1289500** / 1m/step]
050	Development: M	ENG	[0 to 999999 / **257900** / 1m/step]
051	Development Filter:M	ENG	[0 to 999999 / **257900** / 1m/step]
054	#Cleaning Unit: M	ENG	[0 to 999999 / **167500** / 1m/step]
055	M_Cleaning Blade	ENG	[0 to 999999 / **167500** / 1m/step]
056	M_Lubricant Brush	ENG	[0 to 999999 / **167500** / 1m/step]
057	Lubricant Bar: M	ENG	[0 to 999999 / **167500** / 1m/step]
058	M_Lubricant Blade	ENG	[0 to 999999 / **167500** / 1m/step]
059	Brash Drive Joint:M	ENG	[0 to 999999 / **167500** / 1m/step]
060	Gears:M	ENG	[0 to 999999 / **167500** / 1m/step]
063	#M_Charge Roller Unit	ENG	[0 to 999999 / **167500** / 1m/step]
064	Charge Roller: M	ENG	[0 to 999999 / **167500** / 1m/step]
065	Cleaner:Charge Roller:M	ENG	[0 to 999999 / **167500** / 1m/step]
066	Gear:Charge Roller:M	ENG	[0 to 999999 / **167500** / 1m/step]
067	#PCU:M	ENG	[0 to 999999 / **502600** / 1m/step]
070	#PCDU:Y	ENG	[0 to 999999 / **167500** / 1m/step]
072	#Y_Development Unit	ENG	[0 to 999999 / **1289500** / 1m/step]
073	Development: Y	ENG	[0 to 999999 / **257900** / 1m/step]
074	Development Filter:Y	ENG	[0 to 999999 / **257900** / 1m/step]
077	#Cleaning Unit: Y	ENG	[0 to 999999 / **167500** / 1m/step]
078	Y_Cleaning Blade	ENG	[0 to 999999 / **167500** / 1m/step]
079	Y_Lubricant Brush	ENG	[0 to 999999 / **167500** / 1m/step]
080	Lubricant Bar: Y	ENG	[0 to 999999 / **167500** / 1m/step]
081	Y_Lubricant Blade	ENG	[0 to 999999 / **167500** / 1m/step]
082	Brash Drive Joint:Y	ENG	[0 to 999999 / **167500** / 1m/step]

083	Gears:Y	ENG	[0 to 999999 / **167500** / 1m/step]
086	#Y_Charge Roller Unit	ENG	[0 to 999999 / **167500** / 1m/step]
087	Charge Roller: Y	ENG	[0 to 999999 / **167500** / 1m/step]
088	Cleaner:Charge Roller:Y	ENG	[0 to 999999 / **167500** / 1m/step]
089	Gear:Charge Roller:Y	ENG	[0 to 999999 / **167500** / 1m/step]
090	#PCU:Y	ENG	[0 to 999999 / **502600** / 1m/step]
093	#Image Transfer Unit	ENG	[0 to 999999 / **552000** / 1m/step]
094	ITB(Image Transfer Belt)	ENG	[0 to 999999 / **423000(Office a, Office b), 357300(Pro a, Pro b)** / 1m/step]
095	ITB Roller: K	ENG	[0 to 999999 / **552000** / 1m/step]
096	ITB Roller: C	ENG	[0 to 999999 / **552000** / 1m/step]
097	ITB Roller: M	ENG	[0 to 999999 / **552000** / 1m/step]
098	ITB Roller: Y	ENG	[0 to 999999 / **552000** / 1m/step]
099	ITB Bias Roller	ENG	[0 to 999999 / **552000** / 1m/step]
102	#ITB Cleaning Unit	ENG	[0 to 999999 / **300000** / 1m/step]
103	ITB Cleaning Blade	ENG	[0 to 999999 / **300000** / 1m/step]
104	Lubricant Brush	ENG	[0 to 999999 / **300000** / 1m/step]
105	Lubrication: Belt Cleanig	ENG	[0 to 999999 / **300000** / 1m/step]
106	Lube Application Blade	ENG	[0 to 999999 / **300000** / 1m/step]
109	#Paper Transfer Unit	ENG	[0 to 999999 / **300000** / 1m/step]
110	Quenching	ENG	[0 to 999999 / **300000** / 1m/step]
111	PTR(Paper Transfer Roller)	ENG	[0 to 999999 / **300000** / 1m/step]
114	#Fusing	ENG	[0 to 999999 / **99999999** / 1m/step]
115	#Fusing Unit	ENG	[0 to 999999 / **99999999** / 1m/step]

116	Fusing Belt	ENG	[0 to 999999 / **99999999** / 1m/step]
117	Hot Roller	ENG	[0 to 999999 / **99999999** / 1m/step]
118	Pressure Roller	ENG	[0 to 999999 / **99999999** / 1m/step]
119	Pressure Roller Bearings	ENG	[0 to 999999 / **99999999** / 1m/step]
126	Web Cleaning Roller	ENG	[0 to 999999 / **99999999** / 1m/step]
127	Web Roller Stopper	ENG	[0 to 999999 / **99999999** / 1m/step]

7942	**[Drive Distance % Counter]**		
	Displays the ratio to Drive Distance Counter End Standard Value.		
001	#PCDU:K	ENG	[0 to 255 / **0** / 1%/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **0** / 1%/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 255 / **0** / 1%/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	

019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 255 / **0** / 1%/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 255 / **0** / 1%/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 255 / **0** / 1%/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 255 / **0** / 1%/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **0** / 1%/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	

057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **0** / 1%/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	[0 to 255 / **0** / 1%/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 to 255 / **0** / 1%/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 255 / **0** / 1%/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 255 / **0** / 1%/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	

094	ITB(Image Transfer Belt)	ENG	[0 to 255 / **0** / 1%/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **0** / 1%/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 255 / **0** / 1%/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 255 / **0** / 1%/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
120	Fusing Belt Smoothing Roller	ENG	[0 to 255 / **0** / 1%/step]
124	#Fusing Cleaning Unit	ENG	
125	Cleaning Web	ENG	
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	

7944	**[Motor Drv Distance Counter]**		
	Displays Motor Drive Distance Counter.		
001	#PCDU:K	ENG	[0 to 999999 / **0** / 1m/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 999999 / **0** / 1m/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 999999 / **0** / 1m/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 999999 / **0** / 1m/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 999999 / **0** / 1m/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	

035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 999999 / **0** / 1m/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 999999 / **0** / 1m/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 999999 / **0** / 1m/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 999999 / **0** / 1m/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	[0 to 999999 / **0** / 1m/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	

073	Development: Y	ENG	[0 to 999999 / **0** / 1m/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 999999 / **0** / 1m/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 999999 / **0** / 1m/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 999999 / **0** / 1m/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 999999 / **0** / 1m/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 999999 / **0** / 1m/step]

109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 999999 / **0** / 1m/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 999999 / **0** / 1m/step]
127	Web Roller Stopper	ENG	

7950	**[Replacement Date]**		
	Displays the previous Replacement Date.		
001	#PCDU:K	ENG	[0 or 1 / **0** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 or 1 / **0** / 1/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 or 1 / **0** / 1/step]
017	#K_Charge Roller Unit	ENG	

018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	[0 or 1 / **0** / 1/step]
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	[0 or 1 / **0** / 1/step]
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	[0 or 1 / **0** / 1/step]
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	
044	#PCU:C	ENG	
047	#PCDU:M	ENG	[0 or 1 / **0** / 1/step]
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	
054	#Cleaning Unit: M	ENG	[0 or 1 / **0** / 1/step]
055	M_Cleaning Blade	ENG	

056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 or 1 / **0** / 1/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	[0 or 1 / **0** / 1/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 or 1 / **0** / 1/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 or 1 / **0** / 1/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 or 1 / **0** / 1/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	

093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 or 1 / **0** / 1/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 or 1 / **0** / 1/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 or 1 / **0** / 1/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 or 1 / **0** / 1/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 or 1 / **0** / 1/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	

133	Ozone Filter	ENG	[0 or 1 / **0** / 1/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	[0 or 1 / **0** / 1/step]
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	[0 or 1 / **0** / 1/step]
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	[0 or 1 / **0** / 1/step]
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	

169	#Feed Roller:Bypass	ENG	[0 or 1 / **0** / 1/step]
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	[0 or 1 / **0** / 1/step]
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	[0 or 1 / **0** / 1/step]
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	[0 or 1 / **0** / 1/step]
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	[0 or 1 / **0** / 1/step]
200	Feed Belt:Interposer	ENG	

201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	[0 or 1 / **0** / 1/step]
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	

7951	**[Remain Day Counter: Pages]**		
	Displays the remaining operable days calculated from Pages Remain Day Counter.		
001	#PCDU:K	ENG	[0 to 255 / **255** / 1day/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **255** / 1day/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 255 / **255** / 1day/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 255 / **255** / 1day/step]

024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 255 / **255** / 1day/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 255 / **255** / 1day/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 255 / **255** / 1day/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **255** / 1day/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **255** / 1day/step]
059	Brash Drive Joint:M	ENG	

060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	[0 to 255 / **255** / 1day/step]
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	[0 to 255 / **255** / 1day/step]
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	[0 to 255 / **255** / 1day/step]
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	[0 to 255 / **255** / 1day/step]
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	[0 to 255 / **255** / 1day/step]
096	ITB Roller: C	ENG	

097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **255** / 1day/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 255 / **255** / 1day/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 255 / **255** / 1day/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 255 / **255** / 1day/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 255 / **255** / 1day/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	

145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	[0 to 255 / **255** / 1day/step]
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / **255** / 1day/step]
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / **255** / 1day/step]
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	[0 to 255 / **255** / 1day/step]
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	

172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / **255** / 1day/step]
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / **255** / 1day/step]
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / **255** / 1day/step]
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	[0 to 255 / **255** / 1day/step]
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	

206	ADF Feed Belt	ENG	[0 to 255 / **255** / 1day/step]
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	

7952	**[Remain Day Counter: Distance]**		
	Displays the remaining operable days calculated from Distance Remain Day Counter.		
001	#PCDU:K	ENG	[0 to 255 / **255** / 1day/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **255** / 1day/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 255 / **255** / 1day/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 255 / **255** / 1day/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	

028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 255 / **255** / 1day/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 255 / **255** / 1day/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 255 / **255** / 1day/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **255** / 1day/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **255** / 1day/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	

065	Cleaner:Charge Roller:M	ENG	[0 to 255 / **255** / 1day/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 to 255 / **255** / 1day/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 255 / **255** / 1day/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 255 / **255** / 1day/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 255 / **255** / 1day/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **255** / 1day/step]

102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 255 / **255** / 1day/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 255 / **255** / 1day/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 255 / **255** / 1day/step]
127	Web Roller Stopper	ENG	

7954	**[Pg Counter(%)]**		
	Displays the ratio to Drive Pages Counter End Standard Value.		
001	#PCDU:K	ENG	[0 to 255 / **255** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **255** / 1/step]
010	K_Lubricant Brush	ENG	

011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	[0 to 255 / **255** / 1/step]
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	[0 to 255 / **255** / 1/step]
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	[0 to 255 / **255** / 1/step]
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	[0 to 255 / **255** / 1/step]
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	
044	#PCU:C	ENG	[0 to 255 / **255** / 1/step]
047	#PCDU:M	ENG	

049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **255** / 1/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **255** / 1/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	[0 to 255 / **255** / 1/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 to 255 / **255** / 1/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 255 / **255** / 1/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	

086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 255 / **255** / 1/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 255 / **255** / 1/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **255** / 1/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 255 / **255** / 1/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 255 / **255** / 1/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	

126	Web Cleaning Roller	ENG	[0 to 255 / **255** / 1/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 255 / **255** / 1/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	[0 to 255 / **255** / 1/step]
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / **255** / 1/step]
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / **255** / 1/step]
163	#Tray4 Roller Assembly	ENG	

164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	[0 to 255 / **255** / 1/step]
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / **255** / 1/step]
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / **255** / 1/step]
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / **255** / 1/step]
193	#Inserter Feed:Tray 2	ENG	

194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	[0 to 255 / **255** / 1/step]
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	[0 to 255 / **255** / 1/step]
208	ADF Pick-up Roller	ENG	

7955	**[Estimated Remain Pages]**		
	Displays the estimated remaining operable pages calculated from Pages Remain Day Counter and Distance Remain Day Counter.		
001	#PCDU:K	ENG	
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	[0 to 99999999 / **0** / 1sheet/step]
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	[0 to 99999999 / **0** / 1sheet/step]
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 99999999 / **0** / 1sheet/step]

017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 99999999 / **0** / 1sheet/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 99999999 / **0** / 1sheet/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 99999999 / **0** / 1sheet/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 99999999 / **0** / 1sheet/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 99999999 / **0** / 1sheet/step]
054	#Cleaning Unit: M	ENG	

055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	[0 to 99999999 / **0** / 1sheet/step]
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	[0 to 99999999 / **0** / 1sheet/step]
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
089	Gear:Charge Roller:Y	ENG	

090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / **0** / 1sheet/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 99999999 / **0** / 1sheet/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 99999999 / **0** / 1sheet/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	

132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 99999999 / **0** / 1sheet/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	[0 to 99999999 / **0** / 1sheet/step]
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	

169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / **0** / 1sheet/step]
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / **0** / 1sheet/step]
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	[0 to 99999999 / **0** / 1sheet/step]

201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
208	ADF Pick-up Roller	ENG	

7956	**[Estimated Remain Days]**		
	Displays the estimated remaining operable days calculated from Pages Remain Day Counter and Distance Remain Day Counter.		
001	#PCDU:K	ENG	[0 to 255 / **255** / 1day/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **255** / 1day/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 255 / **255** / 1day/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 255 / **255** / 1day/step]

024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 255 / **255** / 1day/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 255 / **255** / 1day/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 255 / **255** / 1day/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **255** / 1day/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **255** / 1day/step]
059	Brash Drive Joint:M	ENG	

060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	[0 to 255 / **255** / 1day/step]
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	[0 to 255 / **255** / 1day/step]
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	[0 to 255 / **255** / 1day/step]
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	[0 to 255 / **255** / 1day/step]
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	
095	ITB Roller: K	ENG	[0 to 255 / **255** / 1day/step]
096	ITB Roller: C	ENG	

097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **255** / 1day/step]
102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 255 / **255** / 1day/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 255 / **255** / 1day/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 255 / **255** / 1day/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 255 / **255** / 1day/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	

145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	[0 to 255 / **255** / 1day/step]
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	[0 to 255 / **255** / 1day/step]
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	[0 to 255 / **255** / 1day/step]
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	[0 to 255 / **255** / 1day/step]
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	

172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	[0 to 255 / **255** / 1day/step]
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	[0 to 255 / **255** / 1day/step]
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	[0 to 255 / **255** / 1day/step]
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	[0 to 255 / **255** / 1day/step]
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	

206	ADF Feed Belt	ENG	[0 to 255 / **255** / 1day/step]
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	

7957	**[Monthly Average Pages]**		
	Displays Monthly Average Pages.		
001	#PCDU:K	ENG	[0 to 99999999 / **0** / 1sheet/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 99999999 / **0** / 1sheet/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 99999999 / **0** / 1sheet/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 99999999 / **0** / 1sheet/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	
028	Development Filter:C	ENG	

031	#Cleaning Unit: C	ENG	[0 to 99999999 / **0** / 1sheet/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 99999999 / **0** / 1sheet/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 99999999 / **0** / 1sheet/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 99999999 / **0** / 1sheet/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 99999999 / **0** / 1sheet/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	
065	Cleaner:Charge Roller:M	ENG	[0 to 99999999 / **0** / 1sheet/step]

066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 99999999 / **0** / 1sheet/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 99999999 / **0** / 1sheet/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
102	#ITB Cleaning Unit	ENG	

103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	[0 to 99999999 / **0** / 1sheet/step]
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	[0 to 99999999 / **0** / 1sheet/step]
116	Fusing Belt	ENG	
117	Hot Roller	ENG	
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
126	Web Cleaning Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	
133	Ozone Filter	ENG	[0 to 99999999 / **0** / 1sheet/step]
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]

148	Feed Roller:Tray 1:Separation Roller	ENG	
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
157	#Tray3 Roller Assembly	ENG	
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	[0 to 99999999 / **0** / 1sheet/step]
164	Pick-up Roller-Tray4	ENG	
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	[0 to 99999999 / **0** / 1sheet/step]
171	Feed Roller:Bypass:Feeding Roller	ENG	
172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	

177	Feed Roller:A3LCT:Feeding Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
178	Feed Roller:A3LCT:Separation Roller	ENG	
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
187	#Inserter Feed:Tray 1	ENG	
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	[0 to 99999999 / **0** / 1sheet/step]
194	Inserter:Tray2:Pick-up	ENG	
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	[0 to 99999999 / **0** / 1sheet/step]
201	Separation Roller:Interposer	ENG	
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	
206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	[0 to 99999999 / **0** / 1sheet/step]
208	ADF Pick-up Roller	ENG	

7958	**[PM Value Setting:DaysThreshold]**		
	Sets Days Threshold for Waste Toner Bottle @Remote Automatic Ordering.		
142	Waste Toner Bottle	ENG	[1 to 30 / **15** / 1day/step]

7960	**[Estimated Usage Rate]**		
	Displays the rate against the estimated End Standard Value calculated from Pages Remain Day Counter and Distance Remain Day Counter.		
001	#PCDU:K	ENG	[0 to 255 / **0** / 1/step]
003	#K_Development Unit	ENG	
004	Development: Bk	ENG	
005	Development Filter:K	ENG	
008	#Cleaning Unit: K	ENG	
009	K_Cleaning Blade	ENG	[0 to 255 / **0** / 1/step]
010	K_Lubricant Brush	ENG	
011	Lubricant Bar: K	ENG	
012	K_Lubricant Blade	ENG	
013	Brash Drive Joint:K	ENG	
014	Gears:K	ENG	[0 to 255 / **0** / 1/step]
017	#K_Charge Roller Unit	ENG	
018	Charge Roller: K	ENG	
019	Cleaner:Charge Roller:K	ENG	
020	Gear:Charge Roller:K	ENG	
021	#PCU:K	ENG	[0 to 255 / **0** / 1/step]
024	#PCDU:C	ENG	
026	#C_Development Unit	ENG	
027	Development: C	ENG	

028	Development Filter:C	ENG	
031	#Cleaning Unit: C	ENG	[0 to 255 / **0** / 1/step]
032	C_Cleaning Blade	ENG	
033	C_Lubricant Brush	ENG	
034	Lubricant Bar: C	ENG	
035	C_Lubricant Blade	ENG	
036	Brash Drive Joint:C	ENG	[0 to 255 / **0** / 1/step]
037	Gears:C	ENG	
040	#C_Charge Roller Unit	ENG	
041	Charge Roller: C	ENG	
042	Cleaner:Charge Roller:C	ENG	
043	Gear:Charge Roller:C	ENG	[0 to 255 / **0** / 1/step]
044	#PCU:C	ENG	
047	#PCDU:M	ENG	
049	#M_Development Unit	ENG	
050	Development: M	ENG	
051	Development Filter:M	ENG	[0 to 255 / **0** / 1/step]
054	#Cleaning Unit: M	ENG	
055	M_Cleaning Blade	ENG	
056	M_Lubricant Brush	ENG	
057	Lubricant Bar: M	ENG	
058	M_Lubricant Blade	ENG	[0 to 255 / **0** / 1/step]
059	Brash Drive Joint:M	ENG	
060	Gears:M	ENG	
063	#M_Charge Roller Unit	ENG	
064	Charge Roller: M	ENG	

065	Cleaner:Charge Roller:M	ENG	[0 to 255 / **0** / 1/step]
066	Gear:Charge Roller:M	ENG	
067	#PCU:M	ENG	
070	#PCDU:Y	ENG	
072	#Y_Development Unit	ENG	
073	Development: Y	ENG	[0 to 255 / **0** / 1/step]
074	Development Filter:Y	ENG	
077	#Cleaning Unit: Y	ENG	
078	Y_Cleaning Blade	ENG	
079	Y_Lubricant Brush	ENG	
080	Lubricant Bar: Y	ENG	[0 to 255 / **0** / 1/step]
081	Y_Lubricant Blade	ENG	
082	Brash Drive Joint:Y	ENG	
083	Gears:Y	ENG	
086	#Y_Charge Roller Unit	ENG	
087	Charge Roller: Y	ENG	[0 to 255 / **0** / 1/step]
088	Cleaner:Charge Roller:Y	ENG	
089	Gear:Charge Roller:Y	ENG	
090	#PCU:Y	ENG	
093	#Image Transfer Unit	ENG	
094	ITB(Image Transfer Belt)	ENG	[0 to 255 / **0** / 1/step]
095	ITB Roller: K	ENG	
096	ITB Roller: C	ENG	
097	ITB Roller: M	ENG	
098	ITB Roller: Y	ENG	
099	ITB Bias Roller	ENG	[0 to 255 / **0** / 1/step]

102	#ITB Cleaning Unit	ENG	
103	ITB Cleaning Blade	ENG	
104	Lubricant Brush	ENG	
105	Lubrication: Belt Cleanig	ENG	
106	Lube Application Blade	ENG	
109	#Paper Transfer Unit	ENG	
110	Quenching	ENG	[0 to 255 / **0** / 1/step]
111	PTR(Paper Transfer Roller)	ENG	
114	#Fusing	ENG	
115	#Fusing Unit	ENG	
116	Fusing Belt	ENG	
117	Hot Roller	ENG	[0 to 255 / **0** / 1/step]
118	Pressure Roller	ENG	
119	Pressure Roller Bearings	ENG	
120	Fusing Belt Smoothing Roller	ENG	
124	#Fusing Cleaning Unit	ENG	
125	Cleaning Web	ENG	[0 to 255 / **0** / 1/step]
126	Web Cleaning Roller	ENG	
127	Web Roller Stopper	ENG	
130	#Main Unit Filters	ENG	
131	Dust Filter:Large	ENG	
132	Dust Filter:Small	ENG	[0 to 255 / **0** / 1/step]
133	Ozone Filter	ENG	
134	Deodorant Filter:Large	ENG	
135	Deodorant Filter:Small	ENG	
142	Waste Toner Bottle	ENG	[0 to 255 / **0** / 1/step]

145	#Tray1 Roller Assembly	ENG	
146	Pick-up Roller-Tray1	ENG	
147	Feed Roller:Tray 1:Feeding Roller	ENG	
148	Feed Roller:Tray 1:Separation Roller	ENG	[0 to 255 / **0** / 1/step]
151	#Tray2 Roller Assembly	ENG	
152	Pick-up Roller-Tray2	ENG	
153	Feed Roller:Tray 2:Feeding Roller	ENG	
154	Feed Roller:Tray 2:Separation Roller	ENG	
157	#Tray3 Roller Assembly	ENG	[0 to 255 / **0** / 1/step]
158	Pick-up Roller-Tray3	ENG	
159	Feed Roller:Tray 3:Feeding Roller	ENG	
160	Feed Roller:Tray 3:Separation Roller	ENG	
163	#Tray4 Roller Assembly	ENG	
164	Pick-up Roller-Tray4	ENG	[0 to 255 / **0** / 1/step]
165	Feed Roller:Tray 4:Feeding Roller	ENG	
166	Feed Roller:Tray 4:Separation Roller	ENG	
169	#Feed Roller:Bypass	ENG	
170	Feed Roller:Bypass:Pick-up	ENG	
171	Feed Roller:Bypass:Feeding Roller	ENG	[0 to 255 / **0** / 1/step]

172	Feed Roller:Bypass:Separation Roller	ENG	
175	#Feed Roller:A3LCT	ENG	
176	Feed Roller:A3LCT:Pick-up	ENG	
177	Feed Roller:A3LCT:Feeding Roller	ENG	
178	Feed Roller:A3LCT:Separation Roller	ENG	[0 to 255 / **0** / 1/step]
181	#Feed Roller:A4LCT	ENG	
182	Feed Roller:A4LCT:Pick-up	ENG	
183	Feed Roller:A4LCT:Feeding Roller	ENG	
184	Feed Roller:A4LCT:Separation Roller	ENG	
187	#Inserter Feed:Tray 1	ENG	[0 to 255 / **0** / 1/step]
188	Inserter:Tray1:Pick-up	ENG	
189	Inserter:Tray1:Feed Belt	ENG	
190	Inserter:Tray1:Separate Roller	ENG	
193	#Inserter Feed:Tray 2	ENG	
194	Inserter:Tray2:Pick-up	ENG	[0 to 255 / **0** / 1/step]
195	Inserter:Tray2:Feed Belt	ENG	
196	Inserter:Tray2:Separate Roller	ENG	
199	#Interposer	ENG	
200	Feed Belt:Interposer	ENG	
201	Separation Roller:Interposer	ENG	[0 to 255 / **0** / 1/step]
202	Pick-up Roller:Interposer	ENG	
205	#ADF	ENG	

206	ADF Feed Belt	ENG	
207	ADF Separation Roller	ENG	
208	ADF Pick-up Roller	ENG	[0 to 255 / **0** / 1/step]

7963	**[Operation Env. Log:PCU:Bk]**		
	Displays the distance of PCU: K in each Temperature/Humidity division in order to recognize Engine Operation Environment.		
001	T<=5:0<=H<30	ENG	[0 to 999999 / **0** / 1m/step]
002	T<=5:30<=H<55	ENG	
003	T<=5:55<=H<80	ENG	
004	T<=5:80<=H<100	ENG	
005	5<T<15:0<=H<30	ENG	
006	5<T<15:30<=H<55	ENG	[0 to 999999 / **0** / 1m/step]
007	5<T<15:55<=H<80	ENG	
008	5<T<15:80<=H<=100	ENG	
009	15<=T<25:0<=H<30	ENG	
010	15<=T<25:30<=H<55	ENG	
011	15<=T<25:55<=H<80	ENG	[0 to 999999 / **0** / 1m/step]
012	15<=T<25:80<=H<=100	ENG	
013	25<=T<30:0<=H<30	ENG	
014	25<=T<30:30<=H<55	ENG	
015	25<=T<30:55<=H<80	ENG	
016	25<=T<30:80<=H<=100	ENG	[0 to 999999 / **0** / 1m/step]
017	30<=T<35:0<=H<30	ENG	
018	30<=T<35:30<=H<55	ENG	
019	30<=T<35:55<=H<80	ENG	

020	30<=T<35:80<=H<=100	ENG	
021	35<=T	ENG	

7964	**[Operation Env. Log Clear]**		
	Clears all Operation Environment Logs.		
001	-	ENG	[- / **-** / -] [Execute]

7970	**[Accumu Counter]**		
001	Bk Opc Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
003	C Opc Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
004	M Opc Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
005	Y Opc Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
006	Transfer Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
007	2nd Transfer Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
008	Fusing Drive Unit	*ENG	[0 to 999999999 / **0** / 1m/step]
	Displays Drive Distance Counter from when used initially.		
009	Transfer On-Off Drive Unit	*ENG	[0 to 99999999 / **0** / 1/step]
	Displays Operation Times Counter from when used initially.		
011	Feed Drive Unit	*ENG	[0 to 99999999 / **0** / 1page/step]

	Displays Pages Counter from when used initially.		
012	Registration Drive Unit	*ENG	[0 to 99999999 / **0** / 1page/step]
	Displays Pages Counter from when used initially		
013	Relay Drive Unit	*ENG	[0 to 99999999 / **0** / 1page/step]
	Displays Pages Counter from when used initially.		
014	Exit Drive Unit	*ENG	[0 to 99999999 / **0** / 1page/step]
	Displays Pages Counter from when used initially.		

7972	**[Yield Counter]**		
001	Bk Opc Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
003	C Opc Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
004	M Opc Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
005	Y Opc Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
006	Transfer Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
007	2nd Transfer Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
008	Fusing Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
009	Transfer On-Off Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
011	Feed Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]

	Displays the achievement degree to Yield Pages Threshold.		
012	Registration Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
013	Relay Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		
014	Exit Drive Unit	*ENG	[0 to 200 / **0** / 1%/step]
	Displays the achievement degree to Yield Pages Threshold.		

7974	**[Yield Setting]**		
001	BkOpc Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
003	C Opc Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
004	M Opc Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
005	Y Opc Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
006	Transfer Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
007	2nd Transfer Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		

008	Fusing Drive Unit	*ENG	[0 to 999999999 / **5080320** / 1m/step]
	Displays Yield Drive Distance Threshold for Drive Unit.		
009	Transfer On-Off Drive Unit	*ENG	[0 to 9999999 / **400000** / 1/step]
	Displays Yield Operation Times Threshold for Drive Unit.		
011	Feed Drive Unit	*ENG	[0 to 9999999 / **9000000** / 1page/step]
	Displays Yield Pages Threshold for Drive Unit.		
012	Registration Drive Unit	*ENG	[0 to 9999999 / **9000000** / 1page/step]
	Displays Yield Pages Threshold for Drive Unit.		
013	Relay Drive Unit	*ENG	[0 to 9999999 / **9000000** / 1page/step]
	Displays Yield Pages Threshold for Drive Unit.		
014	Exit Drive Unit	*ENG	[0 to 9999999 / **9000000** / 1page/step]
	Displays Yield Pages Threshold for Drive Unit.		

7976	**[Guaranteed Parameter]**		
	Sets Yield Guaranteed Parameter for Drive Unit.		
001	Bk Opc Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
003	C Opc Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
004	M Opc Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
005	Y Opc Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]

006	Transfer Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
007	2nd Transfer Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
008	Fusing Drive Unit	*ENG	[0 to 999999999 / **5025000** / 1m/step]
009	Transfer On-Off Drive Unit	*ENG	[0 to 99999999 / **400000** / 1/step]
011	Feed Drive Unit	*ENG	[0 to 99999999 / **9000000** / 1page/step]
012	Registration Drive Unit	*ENG	[0 to 99999999 / **9000000** / 1page/step]
013	Relay Drive Unit	*ENG	[0 to 99999999 / **9000000** / 1page/step]
014	Exit Drive Unit	*ENG	[0 to 99999999 / **9000000** / 1page/step]

7987	**[Drum Motor Error Counter]**		
	Operation Times Counter for the condition Drum Motor is locked.		
001	Drum Motor:K	*ENG	[0 to 3 / **0** / 1/step]
002	Drum Motor:C	*ENG	[0 to 3 / **0** / 1/step]
003	Drum Motor:M	*ENG	[0 to 3 / **0** / 1/step]
004	Drum Motor:Y	*ENG	[0 to 3 / **0** / 1/step]

7988	**[Drum Motor Error Counter Clear]**		
	Execution of clearing Operation Times Counter for locking Drum Motor.		
001	Drum Motor:K	*ENG	[0 or 1 / **0** / 1/step]
002	Drum Motor:C	*ENG	[0 or 1 / **0** / 1/step]
003	Drum Motor:M	*ENG	[0 or 1 / **0** / 1/step]
004	Drum Motor:Y	*ENG	[0 or 1 / **0** / 1/step]

MAIN SP TABLES-8

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

6. MAIN SP TABLES-8

6.1 KEYS AND ABBREVIATIONS IN DATA LOG 2

Abbreviation	What it means
/	"By", e.g. "T:Jobs/Apl" = Total Jobs "by" Application
>	More (2> "2 or more", 4> "4 or more"
AddBook	Address Book
Apl	Application
B/W	Black & White
Bk	Black
C	Cyan
ColCr	Color Create
ColMode	Color Mode
Comb	Combine
Comp	Compression
Deliv	Delivery
DesApl	Designated Application. The application (Copy, Fax, Scan, Print) used to store the job on the document server, for example.
Dev Counter	Development Count, no. of pages developed.
Dup, Duplex	Duplex, printing on both sides
Emul	Emulation
FC	Full Color
FIN	Post-print processing, i.e. finishing (punching, stapling, etc.)
Full Bleed	No Margins

Abbreviation	What it means
GenCopy	Generation Copy Mode
GPC	Get Print Counter. For jobs 10 pages or less, this counter does not count up. For jobs larger than 10 pages, this counter counts up by the number that is in excess of 10 (e.g., for an 11-page job, the counter counts up 11-10 =1)
IFax	Internet Fax
ImgEdt	Image Edit performed on the original with the copier GUI, e.g. border removal, adding stamps, page numbers, etc.
K	Black (YMCK)
LS	Local Storage. Refers to the document server.
LSize	Large (paper) Size
Mag	Magnification
MC	One color (monochrome)
NRS	New Remote Service, which allows a service center to monitor machines remotely. "NRS" is used overseas, "CSS" is used in Japan.
Org	Original for scanning
OrgJam	Original Jam
Palm 2	Print Job Manager/Desk Top Editor: A pair of utilities that allows print jobs to be distributed evenly among the printers on the network, and allows files to moved around, combined, and converted to different formats.
PC	Personal Computer
PGS	Pages. A page is the total scanned surface of the original. Duplex pages count as two pages, and A3 simplex count as two pages if the A3/DLT counter SP is switched ON.
PJob	Print Jobs
Ppr	Paper

Abbreviation	What it means
PrtJam	Printer (plotter) Jam
PrtPGS	Print Pages
R	Red (Toner Remaining). Applies to the wide format model A2 only. This machine is under development and currently not available.
Rez	Resolution
SC	Service Code (Error SC code displayed)
Scn	Scan
Sim, Simplex	Simplex, printing on 1 side.
S-to-Email	Scan-to-E-mail
SMC	SMC report printed with SP5990. All of the Group 8 counters are recorded in the SMC report.
Svr	Server
TonEnd	Toner End
TonSave	Toner Save
TXJob	Send, Transmission
YMC	Yellow, Magenta, Cyan
YMCK	Yellow, Magenta, Cyan, Black

6.2 SP8-XXX (DATA LOG 2)

Many of these counters are provided for features that are currently not available, such as sending color faxes, and so on. However, here are some Group 8 codes that when used in combination with others, can provide useful information.

SP Numbers	What They Do
SP8211 to SP8216	The number of pages scanned to the document server.
SP8401 to SP8406	The number of pages printed from the document server
SP8691 to SP8696	The number of pages sent from the document server

Specifically, the following questions can be answered:

- How is the document server actually being used?
- What application is using the document server most frequently?
- What data in the document server is being reused?

Most of the SPs in this group are prefixed with a letter that indicates the mode of operation (the mode of operation is referred to as an "application"). Before reading the Group 8 Service Table, make sure that you understand what these prefixes mean.

<table>
<tr><th>Prefixes</th><th colspan="2">What it means</th></tr>
<tr><td>T:</td><td>Total: (Grand Total).</td><td>Grand total of the items counted for all applications (C, F, P, etc.).</td></tr>
<tr><td>C:</td><td>Copy application.</td><td rowspan="4">Totals (pages, jobs, etc.) executed for each application when the job was not stored on the document server.</td></tr>
<tr><td>F:</td><td>Fax application.</td></tr>
<tr><td>P:</td><td>Print application.</td></tr>
<tr><td>S:</td><td>Scan application.</td></tr>
</table>

L:	Local storage (document server)	Totals (jobs, pages, etc.) for the document server. The L: counters work differently case by case. Sometimes, they count jobs/pages stored on the document server; this can be in document server mode (from the document server window), or from another mode, such as from a printer driver or by pressing the Store File button in the Copy mode window. Sometimes, they include occasions when the user uses a file that is already on the document server. Each counter will be discussed case by case.
O:	Other applications (external network applications, for example)	Refers to network applications such as Web Image Monitor. Utilities developed with the SDK (Software Development Kit) will also be counted with this group in the future.

The Group 8 SP codes are limited to 17 characters, forced by the necessity of displaying them on the small LCDs of printers and faxes that also use these SPs. Read over the list of abbreviations below and refer to it again if you see the name of an SP that you do not understand.

Note

- All of the Group 8 SPs are able to reset by “SP5 801 1 Memory All Clear”.

8001	**[T:Total Jobs]**	*CTL	These SPs count the number of times each application is used to do a job. [0 to 99999999 / - / 1] **Note**: The L: counter is the total number of times the other applications are used to send a job to the document server, plus the number of times a file already on the document server is used.
8002	**[C:Total Jobs]**	*CTL	
8003	**[F:Total Jobs]**	*CTL	
8004	**[P:Total Jobs]**	*CTL	
8005	**[S:Total Jobs]**	*CTL	
8006	**[L:Total Jobs]**	*CTL	

- These SPs reveal the number of times an application is used, not the number of pages processed.
- When an application is opened for image input or output, this counts as one job.
- Interrupted jobs (paper jams, etc.) are counted, even though they do not finish.
- Only jobs executed by the customer are counted. Jobs executed by the customer engineer

using the SP modes are not counted.

- When using secure printing (when a password is required to start the print job), the job is counted at the time when either "Delete Data" or "Specify Output" is specified.
- A job is counted as a fax job when the job is stored for sending.
- When a fax is received to fax memory, the F: counter increments but the L: counter does not (the document server is not used).
- A fax broadcast counts as one job for the F: counter (the fax destinations in the broadcast are not counted separately).
- A fax broadcast is counted only after all the faxes have been sent to their destinations. If one transmission generates an error, then the broadcast will not be counted until the transmission has been completed.
- A printed fax report counts as one job for the F: counter.
- The F: counter does not distinguish between fax sending or receiving.
- When a copy job on the document server is printed, SP8022 also increments, and when a print job stored on the document server is printed, SP8024 also increments.
- When an original is both copied and stored on the document server, the C: and L: counters both increment.
- When a print job is stored on the document server, only the L: counter increments.
- When the user presses the Document Server button to store the job on the document server, only the L: counter increments.
- When the user enters document server mode and prints data stored on the document server, only the L: counter increments.
- When an image received from Palm 2 is received and stored, the L: counter increments.
- When the customer prints a report (user code list, for example), the O: counter increments. However, for fax reports and reports executed from the fax application, the F: counter increments.

8011	**[T:Jobs/LS]**	*CTL	These SPs count the number of jobs stored to the document server by each application, to reveal how local storage is being used for input. [0 to 9999999 / **0** / 1] The L: counter counts the number of jobs stored from within the document server mode screen at the operation panel.
8012	**[C:Jobs/LS]**	*CTL	
8013	**[F:Jobs/LS]**	*CTL	
8014	**[P:Jobs/LS]**	*CTL	
8015	**[S:Jobs/LS]**	*CTL	
8016	**[L:Jobs/LS]**	*CTL	
8017	**[O:Jobs/LS]**	*CTL	

- When a scan job is sent to the document server, the S: counter increments. When you enter document server mode and then scan an original, the L: counter increments.
- When a print job is sent to the document server, the P: counter increments.
- When a network application sends data to the document server, the O: counter increments.
- When an image from Palm 2 is stored on the document server, the O: counter increments.
- When a fax is sent to the document server, the F: counter increments.

8021	**[T:Pjob/LS]**	*CTL	These SPs reveal how files printed from the document server were stored on the document server originally. [0 to 9999999 / **0** / 1] The L: counter counts the number of jobs stored from within the document server mode screen at the operation panel.
8022	**[C:Pjob/LS]**	*CTL	
8023	**[F:Pjob/LS]**	*CTL	
8024	**[P:Pjob/LS]**	*CTL	
8025	**[S:Pjob/LS]**	*CTL	
8026	**[L:Pjob/LS]**	*CTL	
8027	**[O:Pjob/LS]**	*CTL	

- When a copy job stored on the document server is printed with another application, the C: counter increments.
- When an application like DeskTopBinder merges a copy job that was stored on the document server with a print job that was stored on the document server, the C: and P: counters both increment.
- When a job already on the document server is printed with another application, the L: counter increments.
- When a scanner job stored on the document server is printed with another application, the S: counter increments. If the original was scanned from within document server mode, then the L: counter increments.
- When images stored on the document server by a network application (including Palm 2), are printed with another application, the O: counter increments.
- When a copy job stored on the document server is printed with a network application (Web Image Monitor, for example), the C: counter increments.
- When a fax on the document server is printed, the F: counter increments.

8031	**[T:Pjob/DesApl]**	*CTL	These SPs reveal what applications were used to output documents from the document server. [0 to 9999999 / **0** / 1] The L: counter counts the number of jobs printed from within the document server mode screen at the operation panel.
8032	**[C:Pjob/DesApl]**	*CTL	
8033	**[F:Pjob/DesApl]**	*CTL	
8034	**[P:Pjob/DesApl]**	*CTL	
8035	**[S:Pjob/DesApl]**	*CTL	
8036	**[L:Pjob/DesApl]**	*CTL	
8037	**[O:Pjob/DesApl]**	*CTL	

- When documents already stored on the document server are printed, the count for the application that started the print job is incremented.
- When the print job is started from a network application (Desk Top Binder, Web Image Monitor, etc.) the L: counter increments.

8041	**[T:TX Jobs/LS]**	*CTL	These SPs count the applications that stored files on the document server that were later accessed for transmission over the telephone line or over a network (attached to an e-mail, or as a fax image by I-Fax). [0 to 9999999 / **0** / 1] **Note:** Jobs merged for sending are counted separately. The L: counter counts the number of jobs scanned from within the document server mode screen at the operation panel.
8042	**[C:TX Jobs/LS]**	*CTL	
8043	**[F:TX Jobs/LS]**	*CTL	
8044	**[P:TX Jobs/LS]**	*CTL	
8045	**[S:TX Jobs/LS]**	*CTL	
8046	**[L:TX Jobs/LS]**	*CTL	
8047	**[O:TX Jobs/LS]**	*CTL	

- When a stored copy job is sent from the document server, the C: counter increments.
- When images stored on the document server by a network application or Palm2 are sent as an e-mail, the O: counter increments.

8051	**[T:TX Jobs/DesApl]**	*CTL	These SPs count the applications used to send files from the document server over the telephone line or over a network (attached to an e-mail, or as a fax image by I-Fax). Jobs merged for sending are counted separately. [0 to 9999999 / **0** / 1] The L: counter counts the number of jobs sent from within the document server mode screen at the operation panel.
8052	**[C:TX Jobs/DesApl]**	*CTL	
8053	**[F:TX Jobs/DesApl]**	*CTL	
8054	**[P:TX Jobs/DesApl]**	*CTL	
8055	**[S:TX Jobs/DesApl]**	*CTL	
8056	**[L:TX Jobs/DesApl]**	*CTL	
8057	**[O:TX Jobs/DesApl]**	*CTL	

- If the send is started from Desk Top Binder or Web Image Monitor, for example, then the O: counter increments.

8061	**[T:FIN Jobs]**
	These SPs total the finishing methods. The finishing method is specified by the application.
8062	**[P:FIN Jobs]**
	These SPs total finishing methods for print jobs only. The finishing method is specified by the application.
8063	**[F:FIN Jobs]**
	These SPs total finishing methods for fax jobs only. The finishing method is specified by the application. **Note:** Finishing features for fax jobs are not available at this time.
8064	**[P:FIN Jobs]**
	These SPs total finishing methods for print jobs only. The finishing method is specified by the application.
8065	**[S:FIN Jobs]**
	These SPs total finishing methods for scan jobs only. The finishing method is specified by the application. **Note**: Finishing features for scan jobs are not available at this time.

8066	**[L:FIN Jobs]**		
	These SPs total finishing methods for jobs output from within the document server mode screen at the operation panel. The finishing method is specified from the print window within document server mode.		
8067	**[O:FIN Jobs]**		
	These SPs total finishing methods for jobs executed by an external application, over the network. The finishing method is specified by the application.		
001	Sort	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started in Sort mode.		
002	Stack	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started out of Sort mode.		
003	Staple	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started in Staple mode.		
004	Booklet	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started in Booklet mode. If the machine is in staple mode, the Staple counter also increments.		
005	Z-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started In any mode other than the Booklet mode and set for folding (Z-fold).		
006	Punch	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of jobs started in Punch mode. When Punch is set for a print job, the P: counter increments. (See SP8-064-6.)		
007	Other	*CTL	[0 to 9999999 / **0** / 1 / step]
	(Reserved)		
008	Inside-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]
009	Three-In-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]
010	Three-OUT-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]

011	Four-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]
012	KANNON-Fold	*CTL	[0 to 9999999 / **0** / 1 / step]
013	Perfect-Bind	*CTL	[0 to 9999999 / **0** / 1 / step]
014	Ring-Bind	*CTL	[0 to 9999999 / **0** / 1 / step]

8071	**[T:Jobs/PGS]**		
	These SPs count the number of jobs broken down by the number of pages in the job, regardless of which application was used.		
8072	**[C:Jobs/PGS]**		
	These SPs count and calculate the number of copy jobs by size based on the number of pages in the job.		
8073	**[F:Jobs/PGS]**		
	These SPs count and calculate the number of fax jobs by size based on the number of pages in the job.		
8074	**[P:Jobs/PGS]**		
	These SPs count and calculate the number of print jobs by size based on the number of pages in the job.		
8075	**[S:Jobs/PGS]**		
	These SPs count and calculate the number of scan jobs by size based on the number of pages in the job.		
8076	**[L:Jobs/PGS]**		
	These SPs count and calculate the number of jobs printed from within the document server mode window at the operation panel, by the number of pages in the job.		
8077	**[O:Jobs/PGS]**		
	These SPs count and calculate the number of "Other" application jobs (Web Image Monitor, Palm 2, etc.) by size based on the number of pages in the job.		
001	1 Page	*CTL	[0 to 99999999 / **0** / 1 / step]
002	2 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]

003	3 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
004	4 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
005	5 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
006	6 to 10 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
007	11 to 20 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
008	21 to 50 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
009	51 to 100 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
010	101 to 300 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
011	301 to 500 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
012	501 to 700 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
013	701 to 1000 Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
014	1001 to Pages	*CTL	[0 to 99999999 / **0** / 1 / step]

- For example: When a copy job stored on the document server is printed in document server mode, the appropriate L: counter (SP8076 0xx) increments.
- Printing a fax report counts as a job and increments the F: counter (SP 8073).
- Interrupted jobs (paper jam, etc.) are counted, even though they do not finish.
- If a job is paused and re-started, it counts as one job.
- If the finisher runs out of staples during a print and staple job, then the job is counted at the time the error occurs.
- For copy jobs (SP 8072) and scan jobs (SP 8075), the total is calculated by multiplying the number of sets of copies by the number of pages scanned. (One duplex page counts as 2.)
- The first test print and subsequent test prints to adjust settings are added to the number of pages of the copy job (SP 8072).
- When printing the first page of a job from within the document server screen, the page is counted.

8111	**[T:FAX TX Jobs]**		
	These SPs count the total number of jobs (color or black-and-white) sent by fax, either directly or using a file stored on the document server, on a telephone line. **Note:** Color fax sending is not available at this time.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]

8113	**[F: FAX TX Jobs]**		
	These SPs count the total number of jobs (color or black-and-white) sent by fax directly on a telephone line. **Note:** Color fax sending is not available at this time.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]

- These counters count jobs, not pages.
- This SP counts fax jobs sent over a telephone line with a fax application, including documents stored on the document server.
- If the mode is changed during the job, the job will count with the mode set when the job started.
- If the same document is faxed to both a public fax line and an I-Fax at a destination where both are available, then this counter increments, and the I-Fax counter (8 12x) also increments.
- The fax job is counted when the job is scanned for sending, not when the job is sent.

8121	**[T:IFAX TX Jobs]**		
	These SPs count the total number of jobs (color or black-and-white) sent, either directly or using a file stored on the document server, as fax images using I-Fax. **Note:** Color fax sending is not available at this time.		
8123	**[F: IFAX TX Jobs]**		
	These SPs count the number of jobs (color or black-and-white) sent (not stored on the document server), as fax images using I-Fax. **Note:** Color fax sending is not available at this time.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]

- These counters count jobs, not pages.
- The counters for color are provided for future use; the color fax feature is not available at this time.
- The fax job is counted when the job is scanned for sending, not when the job is sent.

8131	**[T:S-to-Email Jobs]**		
	These SPs count the total number of jobs (color or black-and-white) scanned and attached to an e-mail, regardless of whether the document server was used or not.		
8135	**[S: S-to-Email Jobs]**		
	These SPs count the number of jobs (color or black-and-white) scanned and attached to e-mail, without storing the original on the document server.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]
003	ACS	*CTL	[0 to 9999999 / **0** / 1 / step]

- These counters count jobs, not pages.
- If the job is stored on the document server, after the job is stored it is determined to be color or black-and-white then counted.

- If the job is cancelled during scanning, or if the job is cancelled while the document is waiting to be sent, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- If several jobs are combined for sending to the Scan Router, Scan-to-Email, or Scan-to-PC, or if one job is sent to more than one destination. Each send is counted separately. For example, if the same document is sent by Scan-to-Email as well as Scan-to-PC, then it is counted twice (once for Scan-to-Email and once for Scan-to-PC).

8141	**[T:Deliv Jobs/Svr]**		
	These SPs count the total number of jobs (color or black-and-white) scanned and sent to a Scan Router server.		
8145	**[S: Deliv Jobs/Svr]**		
	These SPs count the number of jobs (color or black-and-white) scanned in scanner mode and sent to a Scan Router server.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]
003	ACS	*CTL	[0 to 9999999 / **0** / 1 / step]

- These counters count jobs, not pages.
- The jobs are counted even though the arrival and reception of the jobs at the Scan Router server cannot be confirmed.
- If even one color image is mixed with black-and-white images, then the job is counted as a "Color" job.
- If the job is cancelled during scanning, or if the job is cancelled while the document is waiting to be delivered, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- Even if several files are combined for sending, the transmission counts as one job.

8151	**[T:Deliv Jobs/PC]**		
	These SPs count the total number of jobs (color or black-and-white) scanned and sent to a folder on a PC (Scan-to-PC). **Note:** At the present time, 8 151 and 8 155 perform identical counts.		
8155	**[S:Deliv Jobs/PC]**		
	These SPs count the total number of jobs (color or black-and-white) scanned and sent with Scan-to-PC.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]
003	ACS	*CTL	[0 to 9999999 / **0** / 1 / step]

- These counters count jobs, not pages.
- If the job is cancelled during scanning, it is not counted.
- If the job is cancelled while it is waiting to be sent, the job is not counted.
- If the job is cancelled during sending, it may or may not be counted, depending on what stage of the process had been reached when the job was cancelled.
- Even if several files are combined for sending, the transmission counts as one job.

8161	**[T:PCFAX TX Jobs]**	*CTL	These SPs count the number of PC Fax transmission jobs. A job is counted from when it is registered for sending, not when it is sent. [0 to 9999999 / **0** / 1 / step] **Note:** At the present time, these counters perform identical counts.
8163	**[F:PCFAX TX Jobs]**	*CTL	

- This counts fax jobs started from a PC using a PC fax application, and sending the data out to the destination from the PC through the copier.

8171	**[T:Deliv Jobs/WSD]**		
	These SPs count the pages scanned by WS.		
8175	**[S:Deliv Jobs/WSD]**		
	These SPs count the pages scanned by WS.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]
003	ACS	*CTL	[0 to 9999999 / **0** / 1 / step]

8181	**[T:Scan to Media Jobs]**		
	These SPs count the scanned pages in a media by the scanner application.		
8185	**[S:Scan to Media Jobs]**		
	These SPs count the scanned pages in a media by the scanner application.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 / step]
003	ACS	*CTL	[0 to 9999999 / **0** / 1 / step]

8191	**[T:Total Scan PGS]**	*CTL	These SPs count the pages scanned by each application that uses the scanner to scan images. [0 to 9999999 / **0** / 1]
8192	**[C:Total Scan PGS]**	*CTL	
8193	**[F:Total Scan PGS]**	*CTL	
8195	**[S:Total Scan PGS]**	*CTL	
8196	**[L:Total Scan PGS]**	*CTL	

- SP 8 191 to 8 196 count the number of scanned sides of pages, not the number of physical pages.
- These counters do not count reading user stamp data, or reading color charts to adjust color.
- Previews done with a scanner driver are not counted.
- A count is done only after all images of a job have been scanned.
- Scans made in SP mode are not counted.

Examples

- If 3 B5 pages and 1 A3 page are scanned with the scanner application but not stored, the S: count is 4.
- If both sides of 3 A4 sheets are copied and stored to the document server using the Store File button in the Copy mode window, the C: count is 6 and the L: count is 6.
- If both sides of 3 A4 sheets are copied but not stored, the C: count is 6.
- If you enter document server mode then scan 6 pages, the L: count is 6.

8201	**[T:LSize Scan PGS]**	*CTL	[0 to 9999999 / **0** / 1 / step]
	These SPs count the total number of large pages input with the scanner for scan and copy jobs. Large size paper (A3/DLT) scanned for fax transmission are not counted. **Note:** These counters are displayed in the SMC Report, and in the User Tools display.		
8203	**[F: LSize Scan PGS]**	*CTL	[0 to 9999999 / **0** / 1 / step]
	These SPs count the total number of large pages input with the scanner for fax transmission. **Note:** These counters are displayed in the SMC Report, and in the User Tools display.		
8205	**[S:LSize Scan PGS]**	*CTL	[0 to 9999999 / **0** / 1 / step]
	These SPs count the total number of large pages input with the scanner for scan jobs only. Large size paper (A3/DLT) scanned for fax transmission are not counted. **Note:** These counters are displayed in the SMC Report, and in the User Tools display.		

8211	**[T:Scan PGS/LS]**	*CTL	These SPs count the number of pages scanned into the document server. [0 to 9999999 / **0** / 1] The L: counter counts the number of pages stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen
8212	**[C:Scan PGS/LS]**	*CTL	
8213	**[F:Scan PGS/LS]**	*CTL	
8215	**[S:Scan PGS/LS]**	*CTL	
8216	**[L:Scan PGS/LS]**	*CTL	

- Reading user stamp data is not counted.

- If a job is cancelled, the pages output as far as the cancellation are counted.
- If the scanner application scans and stores 3 B5 sheets and 1 A4 sheet, the S: count is 4.
- If pages are copied but not stored on the document server, these counters do not change.
- If both sides of 3 A4 sheets are copied and stored to the document server, the C: count is 6 and the L: count is 6.
- If you enter document server mode then scan 6 pages, the L: count is 6.

8221	**[ADF Org Feeds]**		
	These SPs count the number of pages fed through the ADF for front and back side scanning.		
001	Front	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of front sides fed for scanning: With an ADF that can scan both sides simultaneously, the Front side count is the same as the number of pages fed for either simplex or duplex scanning. With an ADF that cannot scan both sides simultaneously, the Front side count is the same as the number of pages fed for duplex front side scanning. (The front side is determined by which side the user loads face up.)		
002	Back	*CTL	[0 to 9999999 / **0** / 1 / step]
	Number of rear sides fed for scanning: With an ADF that can scan both sides simultaneously, the Back count is the same as the number of pages fed for duplex scanning. With an ADF that cannot scan both sides simultaneously, the Back count is the same as the number of pages fed for duplex rear-side scanning.		

- When 1 sheet is fed for duplex scanning the Front count is 1 and the Back count is 1.
- If a jam occurs during the job, recovery processing is not counted to avoid double counting. Also, the pages are not counted if the jam occurs before the first sheet is output.

8231	**[Scan PGS/Mode]**		
	These SPs count the number of pages scanned by each ADF mode to determine the work load on the ADF.		
001	Large Volume	*CTL	[0 to 9999999 / **0** / 1 / step]
	Selectable. Large copy jobs that cannot be loaded in the ADF at one time.		

002	SADF	*CTL	[0 to 9999999 / **0** / 1 / step]
	Selectable. Feeding pages one by one through the ADF.		
003	Mixed Size	*CTL	[0 to 9999999 / **0** / 1 / step]
	Selectable. Select "Mixed Sizes" on the operation panel.		
004	Custom Size	*CTL	[0 to 9999999 / **0** / 1 / step]
	Selectable. Originals of non-standard size.		
005	Platen	*CTL	[0 to 9999999 / **0** / 1 / step]
	Book mode. Raising the ADF and placing the original directly on the platen.		
006	Mixed 1side/ 2side	*CTL	[0 to 9999999 / **0** / 1 / step]
	Simplex and Duplex mode.		

- If the scan mode is changed during the job, for example, if the user switches from ADF to Platen mode, the count is done for the last selected mode.
- The user cannot select mixed sizes or non-standard sizes with the fax application so if the original's page sizes are mixed or non-standard, these are not counted.
- If the user selects "Mixed Sizes" for copying in the platen mode, the Mixed Size count is enabled.
- In the SADF mode if the user copies 1 page in platen mode and then copies 2 pages with SADF, the Platen count is 1 and the SADF count is 3.

8241	**[T:Scan PGS/Org]**	*CTL	[0 to 9999999 / **0** / 1 / step
	These SPs count the total number of scanned pages by original type for all jobs, regardless of which application was used.		
8242	**[C:Scan PGS/Org]**	*CTL	[0 to 9999999 / **0** / 1 / step
	These SPs count the number of pages scanned by original type for Copy jobs.		
8243	**[F:Scan PGS/Org]**	*CTL	[0 to 9999999 / **0** / 1 / step
	These SPs count the number of pages scanned by original type for Fax jobs.		
8245	**[S:Scan PGS/Org]**	*CTL	[0 to 9999999 / **0** / 1 / step
	These SPs count the number of pages scanned by original type for Scan jobs.		

8246	**[L:Scan PGS/Org]**	*CTL	[0 to 9999999 / **0** / 1 / step
	These SPs count the number of pages scanned and stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen		

		8241	**8242**	**8243**	**8245**	**8246**
001	Text	Yes	Yes	Yes	Yes	Yes
002	Text/Photo	Yes	Yes	Yes	Yes	Yes
003	Photo	Yes	Yes	Yes	Yes	Yes
004	GenCopy, Pale	Yes	Yes	No	Yes	Yes
005	Map	Yes	Yes	No	Yes	Yes
006	Normal/Detail	Yes	No	Yes	No	No
007	Fine/Super Fine	Yes	No	Yes	No	No
008	Binary	Yes	No	No	Yes	No
009	Grayscale	Yes	No	No	Yes	No
010	Color	Yes	No	No	Yes	No
011	Other	Yes	Yes	Yes	Yes	Yes

- If the scan mode is changed during the job, for example, if the user switches from ADF to Platen mode, the count is done for the last selected mode.

8251	**[T:Scan PGS/ImgEdt]**	*CTL	These SPs show how many times Image Edit features have been selected at the operation panel for each application. Some examples of these editing features are: Erase> Border Erase> Center Image Repeat Centering Positive/Negative [0 to 9999999 / **0** / 1 / step] Note: The count totals the number of times the edit features have been used. A detailed breakdown of exactly which features have been used is not given.
8252	**[C:Scan PGS/ImgEdt]**	*CTL	
8254	**[P:Scan PGS/ImgEdt]**	*CTL	
8255	**[S:Scan PGS/ImgEdr]**	*CTL	
8256	**[L:Scan PGS/ImgEdt]**	*CTL	
8257	**[O:Scan PGS/ImgEdt]**	*CTL	

The L: counter counts the number of pages stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen.

8261	**[T:Scan PGS/ColCr]**		
8262	**[C:Scan PGS/ ColCr]**		
8265	**[S:Scan PGS/Color]**		
8266	**[L:Scan PGS/ColCr]**		
	These SPs show how many times color creation features have been selected at the operation panel.		
001	Color Conversion	*CTL	[0 to 9999999 / **0** / 1 / step]
002	Color Erase	*CTL	[0 to 9999999 / **0** / 1 / step]
003	Background	*CTL	[0 to 9999999 / **0** / 1 / step]
004	Other	*CTL	[0 to 9999999 / **0** / 1 / step]

8281	**[T:Scan PGS/TWAIN]**	*CTL	These SPs count the number of pages scanned using a TWAIN driver. These counters reveal how the TWAIN driver is used for delivery functions. [0 to 9999999 / **0** / 1 / step] **Note:** At the present time, these counters perform identical counts.
8285	**[S:Scan PGS/TWAIN]**	*CTL	

8291	**[T:Scan PGS/Stamp]**	*CTL	These SPs count the number of pages stamped with the stamp in the ADF unit. [0 to 9999999 / **0** / 1 / step] The L: counter counts the number of pages stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen
8293	**[F:Scan PGS/Stamp]**	*CTL	
8295	**[S:Scan PGS/Stamp]**	*CTL	

8301	**[T:Scan PGS/Size]**
	These SPs count by size the total number of pages scanned by all applications. Use these totals to compare original page size (scanning) and output (printing) page size [SP 8-441].
8302	**[C:Scan PGS/Size]**
	These SPs count by size the total number of pages scanned by the Copy application. Use these totals to compare original page size (scanning) and output (printing) page size [SP 8-442].
8303	**[F:Scan PGS/Size]**
	These SPs count by size the total number of pages scanned by the Fax application. Use these totals to compare original page size (scanning) and output page size [SP 8-443].
8305	**[S:Scan PGS/Size]**
	These SPs count by size the total number of pages scanned by the Scan application. Use these totals to compare original page size (scanning) and output page size [SP 8-445].

8306	**[L:Scan PGS/Size]**		
	These SPs count by size the total number of pages scanned and stored from within the document server mode screen at the operation panel, and with the Store File button from within the Copy mode screen. Use these totals to compare original page size (scanning) and output page size [SP 8-446].		
001	A3	*CTL	[0 to 9999999 / **0** / 1 / step]
002	A4	*CTL	[0 to 9999999 / **0** / 1 / step]
003	A5	*CTL	[0 to 9999999 / **0** / 1 / step]
004	B4	*CTL	[0 to 9999999 / **0** / 1 / step]
005	B5	*CTL	[0 to 9999999 / **0** / 1 / step]
006	DLT	*CTL	[0 to 9999999 / **0** / 1 / step]
007	LG	*CTL	[0 to 9999999 / **0** / 1 / step]
008	LT	*CTL	[0 to 9999999 / **0** / 1 / step]
009	HLT	*CTL	[0 to 9999999 / **0** / 1 / step]
010	Full Bleed	*CTL	[0 to 9999999 / **0** / 1 / step]
254	Other (Standard)	*CTL	[0 to 9999999 / **0** / 1 / step]
255	Other (Custom)	*CTL	[0 to 9999999 / **0** / 1 / step]

8311	T:Scan PGS/Rez	*CTL	[0 to 9999999/ 0 / 1]
	These SPs count by resolution setting the total number of pages scanned by applications that can specify resolution settings.		
8315	S: Scan PGS/Rez	*CTL	[0 to 9999999/ 0 / 1]
	These SPs count by resolution setting the total number of pages scanned by applications that can specify resolution settings. Note: At the present time, SP8-311 and SP8-315 perform identical counts.		
001	1200dpi <	*CTL	[0 to 9999999 / **0** / 1 / step]
002	600dpi to 1199dpi	*CTL	[0 to 9999999 / **0** / 1 / step]
003	400dpi to 599dpi	*CTL	[0 to 9999999 / **0** / 1 / step]

004	200dpi to 399dpi	*CTL	[0 to 9999999 / **0** / 1 / step]
005	< 199dpi	*CTL	[0 to 9999999 / **0** / 1 / step]

- Copy resolution settings are fixed so they are not counted.
- The Fax application does not allow finely-adjusted resolution settings so no count is done for the Fax application.

8381	**[T:Total PrtPGS]**	*CTL	These SPs count the number of pages printed by the customer. The counter for the application used for storing the pages increments. [0 to 99999999 / **0** / 1 / step]
8382	**[C:Total PrtPGS]**	*CTL	
8383	**[F:Total PrtPGS]**	*CTL	
8384	**[P:Total PrtPGS]**	*CTL	
8385	**[S:Total PrtPGS]**	*CTL	
8386	**[L:Total PrtPGS]**	*CTL	
8387	**[O:Total PrtPGS]**	*CTL	

- When the A3/DLT double count function is switched on with SP5104, 1 A3/DLT page is counted as 2.
- When several documents are merged for a print job, the number of pages stored are counted for the application that stored them.
- These counters are used primarily to calculate charges on use of the machine, so the following pages are not counted as printed pages:
  - Blank pages in a duplex printing job.
  - Blank pages inserted as document covers, chapter title sheets, and slip sheets.
  - Reports printed to confirm counts.
  - All reports done in the service mode (service summaries, engine maintenance reports, etc.)
  - Test prints for machine image adjustment.
  - Error notification reports.
  - Partially printed pages as the result of a copier jam.

8391	LSize PrtPGS	*CTL	[0 to 99999999 / **0** / 1 / step]
	These SPs count pages printed on paper sizes A3/DLT and larger. **Note:** In addition to being displayed in the SMC Report, these counters are also displayed in the User Tools display on the copy machine.		

8401	**[T:PrtPGS/LS]**	*CTL	These SPs count the number of pages printed from the document server. The counter for the application used to print the pages is incremented. The L: counter counts the number of jobs stored from within the document server mode screen at the operation panel. [0 to 9999999 / **0** / 1 / step]
8402	**[C:PrtPGS/LS]**	*CTL	
8403	**[F:PrtPGS/LS]**	*CTL	
8404	**[P:PrtPGS/LS]**	*CTL	
8405	**[S:PrtPGS/LS]**	*CTL	
8406	**[L:PrtPGS/LS]**	*CTL	

- Print jobs done with Web Image Monitor and Desk Top Binder are added to the L: count.
- Fax jobs done with Web Image Monitor and Desk Top Binder are added to the F: count.

8411	Prints/Duplex	*CTL	This SP counts the amount of paper (front/back counted as 1 page) used for duplex printing. Last pages printed only on one side are not counted. [0 to 99999999 / **0** / 1]

8421	**[T:PrtPGS/Dup Comb]**
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing. This is the total for all applications.
8422	**[C:PrtPGS/Dup Comb]**
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the copier application.
8423	**[F:PrtPGS/Dup Comb]**
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the fax application.

8424	**[P:PrtPGS/Dup Comb]**		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the printer application.		
8425	**[S:PrtPGS/Dup Comb]**		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by the scanner application.		
8426	**[L:PrtPGS/Dup Comb]**		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing from within the document server mode window at the operation panel.		
8427	**[O:PrtPGS/Dup Comb]**		
	These SPs count by binding and combine, and n-Up settings the number of pages processed for printing by Other applications		
001	Simplex> Duplex	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Duplex> Duplex	*CTL	[0 to 99999999 / **0** / 1 / step]
003	Book> Duplex	*CTL	[0 to 99999999 / **0** / 1 / step]
004	Simplex Combine	*CTL	[0 to 99999999 / **0** / 1 / step]
005	Duplex Combine	*CTL	[0 to 99999999 / **0** / 1 / step]
006	2in1	*CTL	[0 to 99999999 / **0** / 1 / step]
	2 pages on 1 side (2-Up)		
007	4 in1	*CTL	[0 to 99999999 / **0** / 1 / step]
	4 pages on 1 side (4-Up)		
008	6 in1	*CTL	[0 to 99999999 / **0** / 1 / step]
	6 pages on 1 side (6-Up)		
009	8 in1	*CTL	[0 to 99999999 / **0** / 1 / step]
	8 pages on 1 side (8-Up)		
010	9 in1	*CTL	[0 to 99999999 / **0** / 1 / step]

	9 pages on 1 side (9-Up)		
011	16 in1	*CTL	[0 to 99999999 / **0** / 1 / step]
	16 pages on 1 side (16-Up)		
012	Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
013	Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
014	2-in-1 + Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
015	4-in-1 + Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
016	6-in-1 + Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
017	8-in-1 + Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
018	9-in-1 + Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
019	2-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
020	4-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
021	6-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
022	8-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
023	9-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]
024	16-in-1 + Magazine	*CTL	[0 to 99999999 / **0** / 1 / step]

- These counts (SP8 421 to SP8 427) are especially useful for customers who need to improve their compliance with ISO standards for the reduction of paper consumption.
- Pages that are only partially printed with the n-Up functions are counted as 1 page.
- Here is a summary of how the counters work for Booklet and Magazine modes:

Booklet		Magazine	
Original Pages	Count	Original Pages	Count
1	1	1	1
2	2	2	2
3	2	3	2
4	2	4	2
5	3	5	4
6	4	6	4
7	4	7	4
8	4	8	4

8431	**[T:PrtPGS/ImgEdt]**
	These SPs count the total number of pages output with the three features below, regardless of which application was used.
8432	**[C:PrtPGS/ImgEdt]**
	These SPs count the total number of pages output with the three features below with the copy application.
8434	**[P:PrtPGS/ImgEdt]**
	These SPs count the total number of pages output with the three features below with the print application.
8436	**[L:PrtPGS/ImgEdt]**
	These SPs count the total number of pages output from within the document server mode window at the operation panel with the three features below.

8437	**[O:PrtPGS/ImgEdt]**		
	These SPs count the total number of pages output with the three features below with Other applications.		
001	Cover/Slip Sheet	*CTL	[0 to 99999999 / **0** / 1 / step]
	Total number of covers or slip sheets inserted. The count for a cover printed on both sides counts 2.		
002	Series/Book	*CTL	[0 to 99999999 / **0** / 1 / step]
	The number of pages printed in series (one side) or printed as a book with booklet right/left pagination.		
003	User Stamp	*CTL	[0 to 99999999 / **0** / 1 / step]
	The number of pages printed where stamps were applied, including page numbering and date stamping.		

8441	**[T:PrtPGS/Ppr Size]**
	These SPs count by print paper size the number of pages printed by all applications.
8442	**[C:PrtPGS/Ppr Size]**
	These SPs count by print paper size the number of pages printed by the copy application.
8443	**[F:PrtPGS/Ppr Size]**
	These SPs count by print paper size the number of pages printed by the fax application.
8444	**[P:PrtPGS/Ppr Size]**
	These SPs count by print paper size the number of pages printed by the printer application.
8445	**[S:PrtPGS/Ppr Size]**
	These SPs count by print paper size the number of pages printed by the scanner application.

8446	**[L:PrtPGS/Ppr Size]**		
	These SPs count by print paper size the number of pages printed from within the document server mode window at the operation panel.		
8447	**[O:PrtPGS/Ppr Size]**		
	These SPs count by print paper size the number of pages printed by Other applications.		
001	A3	*CTL	[0 to 99999999 / **0** / 1 / step]
002	A4	*CTL	[0 to 99999999 / **0** / 1 / step]
003	A5	*CTL	[0 to 99999999 / **0** / 1 / step]
004	B4	*CTL	[0 to 99999999 / **0** / 1 / step]
005	B5	*CTL	[0 to 99999999 / **0** / 1 / step]
006	DLT	*CTL	[0 to 99999999 / **0** / 1 / step]
007	LG	*CTL	[0 to 99999999 / **0** / 1 / step]
008	LT	*CTL	[0 to 99999999 / **0** / 1 / step]
009	HLT	*CTL	[0 to 99999999 / **0** / 1 / step]
010	Full Bleed	*CTL	[0 to 99999999 / **0** / 1 / step]
254	Other (Standard)	*CTL	[0 to 99999999 / **0** / 1 / step]
255	Other (Custom)	*CTL	[0 to 99999999 / **0** / 1 / step]

- These counters do not distinguish between LEF and SEF.

8451	**[PrtPGS/Ppr Tray]**		
	These SPs count the number of sheets fed from each paper feed station.		
001	Bypass Tray	*CTL	Bypass Tray [0 to 99999999 / **0** / 1 / step]
002	Tray 1	*CTL	Copier [0 to 99999999 / **0** / 1 / step]
003	Tray 2	*CTL	
004	Tray 3	*CTL	Paper Tray Unit (Option)

005	Tray 4	*CTL	[0 to 99999999 / **0** / 1 / step]
006	Tray 5	*CTL	LCT (Option) [0 to 99999999 / **0** / 1 / step]
007	Tray 6	*CTL	Currently not used.
008	Tray 7	*CTL	Currently not used.
009	Tray 8	*CTL	Currently not used.
010	Tray 9	*CTL	Currently not used.
011	Tray 10	*CTL	Currently not used.
012	Tray 11	*CTL	Currently not used.
013	Tray 12	*CTL	Currently not used.
014	Tray 13	*CTL	Currently not used.
015	Tray 14	*CTL	Currently not used.
016	Tray 15	*CTL	Currently not used.

8461	**[T:PrtPGS/Ppr Type]**
	These SPs count by paper type the number pages printed by all applications. ▪ These counters are not the same as the PM counter. The PM counter is based on feed timing to accurately measure the service life of the feed rollers. However, these counts are based on output timing. ▪ Blank sheets (covers, chapter covers, slip sheets) are also counted. ▪ During duplex printing, pages printed on both sides count as 1, and a page printed on one side counts as 1.
8462	**[C:PrtPGS/Ppr Type]**
	These SPs count by paper type the number pages printed by the copy application.
8463	**[F:PrtPGS/Ppr Type]**
	These SPs count by paper type the number pages printed by the fax application.

8464	**[P:PrtPGS/Ppr Type]**		
	These SPs count by paper type the number pages printed by the printer application.		
8466	**[L:PrtPGS/Ppr Type]**		
	These SPs count by paper type the number pages printed from within the document server mode window at the operation panel.		
001	Normal	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Recycled	*CTL	[0 to 99999999 / **0** / 1 / step]
003	Special	*CTL	[0 to 99999999 / **0** / 1 / step]
004	Thick	*CTL	[0 to 99999999 / **0** / 1 / step]
005	Normal (Back)	*CTL	[0 to 99999999 / **0** / 1 / step]
006	Thick (Back)	*CTL	[0 to 99999999 / **0** / 1 / step]
007	OHP	*CTL	[0 to 99999999 / **0** / 1 / step]
008	Other	*CTL	[0 to 99999999 / **0** / 1 / step]

8471	**[PrtPGS/Mag]**		
	These SPs count by magnification rate the number of pages printed.		
001	< 49%	*CTL	[0 to 99999999 / **0** / 1 / step]
002	50% to 99%	*CTL	
003	100%	*CTL	
004	101% to 200%	*CTL	
005	201% <	*CTL	

Counts are done for magnification adjusted for pages, not only on the operation panel but performed remotely with an external network application capable of performing magnification adjustment as well.
Magnification adjustments done with printer drivers with PC applications such as Excel are also counted.

Magnification adjustments done for adjustments after they have been stored on the document server are not counted.
Magnification adjustments performed automatically during Auto Reduce/Enlarge copying are counted.
The magnification rates of blank cover sheets, slip sheets, etc. are automatically assigned a rate of 100%.

8481	**[T:PrtPGS/TonSave]**	*CTL	[0 to 99999999 / **0** / 1 / step]
8484	**[P:PrtPGS/TonSave]**	*CTL	
	These SPs count the number of pages printed with the Toner Save feature switched on. **Note:** These SPs return the same results as this SP is limited to the Print application.		

8491	**[T:PrtPGS/Col Mode]**		
8492	**[C:PrtPGS/Col Mode]**		
8493	**[F:PrtPGS/Col Mode]**		
8496	**[L:PrtPGS/Col Mode]**		
8497	**[O:PrtPGS/Col Mode]**		
001	B/W	*CTL	These SPs count the number of pages printed in the Color Mode by each application.
002	Single Color	*CTL	
003	Two Color	*CTL	
004	Full Color	*CTL	

8501	**[T:PrtPGS/Col Mode]**		
8504	**[P:PrtPGS/Col Mode]**		
8507	**[O:PrtPGS/Col Mode]**		
001	B/W	*CTL	These SPs count the number of pages printed in the Color Mode by the print application.
002	Mono Color	*CTL	
003	Full Color	*CTL	

004	Single Color	*CTL	
005	Two Color	*CTL	

8511	**[T:PrtPGS/Emul]**		
	These SPs count by printer emulation mode the total number of pages printed.		
8514	**[P:PrtPGS/Emul]**		
	These SPs count by printer emulation mode the total number of pages printed.		
001	RPCS	*CTL	[0 to 99999999 / **0** / 1 / step]
002	RPDL	*CTL	[0 to 99999999 / **0** / 1 / step]
003	PS3	*CTL	[0 to 99999999 / **0** / 1 / step]
004	R98	*CTL	[0 to 99999999 / **0** / 1 / step]
005	R16	*CTL	[0 to 99999999 / **0** / 1 / step]
006	GL/GL2	*CTL	[0 to 99999999 / **0** / 1 / step]
007	R55	*CTL	[0 to 99999999 / **0** / 1 / step]
008	RTIFF	*CTL	[0 to 99999999 / **0** / 1 / step]
009	PDF	*CTL	[0 to 99999999 / **0** / 1 / step]
010	PCL5e/5c	*CTL	[0 to 99999999 / **0** / 1 / step]
011	PCL XL	*CTL	[0 to 99999999 / **0** / 1 / step]
012	IPDL-C	*CTL	[0 to 99999999 / **0** / 1 / step]
013	BM-Links	*CTL	Japan Only
014	Other	*CTL	[0 to 99999999 / **0** / 1 / step]
015	IPDS	*CTL	[0 to 99999999 / **0** / 1 / step]

- SP8 511 and SP8 514 return the same results as they are both limited to the Print application.
- Print jobs output to the document server are not counted.

8521	**[T:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed by all applications.		
8522	**[C:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed by the Copy application.		
8523	**[F:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed by the Fax application. **NOTE**: Print finishing options for received faxes are currently not available.		
8524	**[P:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed by the Print application.		
8525	**[S:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed by the Scanner application.		
8526	**[L:PrtPGS/FIN]**		
	These SPs count by finishing mode the total number of pages printed from within the document server mode window at the operation panel.		
001	Sort	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Stack	*CTL	[0 to 99999999 / **0** / 1 / step]
003	Staple	*CTL	[0 to 99999999 / **0** / 1 / step]
004	Booklet	*CTL	[0 to 99999999 / **0** / 1 / step]
005	Z-Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
006	Punch	*CTL	[0 to 99999999 / **0** / 1 / step]
007	Other	*CTL	[0 to 99999999 / **0** / 1 / step]
008	Inside Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
	Half-Fold (FM2) (Multi Fold Unit)		

009	Three-IN-Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
	Letter Fold-in (FM4) (Multi Fold Unit)		
010	Three-OUT-Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
	Letter Fold-out (FM3) (Multi Fold Unit)		
011	Four Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
	Double Parallel Fold (FM5) (Multi Fold Unit)		
012	KANNON-Fold	*CTL	[0 to 99999999 / **0** / 1 / step]
	Gate Fold (FM6) (Multi Fold Unit)		
013	Perfect-Bind	*CTL	[0 to 99999999 / **0** / 1 / step]
	Perfect Binder		
014	Ring-Bind	*CTL	[0 to 99999999 / **0** / 1 / step]
	Ring Binder		

Note

- If stapling is selected for finishing and the stack is too large for stapling, the unstapled pages are still counted.
- The counts for staple finishing are based on output to the staple tray, so jam recoveries are counted.

8531	**[Staples]**	*CTL	This SP counts the amount of staples used by the machine. [0 to 9999999 / **0** / 1 / step]

8551	**[T:FIN Books]**		
001	Perfect-Bind	*CTL	Booklet finishing Not used
002	Ring-Bind	*CTL	

8552	[C:FIN Books]		
001	Perfect-Bind	*CTL	Booklet finishing
002	Ring-Bind	*CTL	Not used

8554	[P:FIN Books]		
001	Perfect-Bind	*CTL	Booklet finishing
002	Ring-Bind	*CTL	Not used

8556	[L:FIN Books]		
001	Perfect-Bind	*CTL	Booklet finishing
002	Ring-Bind	*CTL	Not used

8561	[T:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8562	[C:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8563	[F:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8564	[P:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8566	[L:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8567	[O:A Sheet Of Paper]		
001	Total: Over A3/DLT	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Under A3/DLT	*CTL	
003	Duplex: Over A3/DLT	*CTL	
004	Duplex: Under A3/DLT	*CTL	

8581	**[T:Counter]**		
	These SPs count the total output broken down by color output, regardless of the application used. In addition to being displayed in the SMC Report, these counters are also displayed in the User Tools display on the copy machine.		
001	Total	*CTL	[0 to 99999999 / **0** / 1]
002	Total: Full Color	*CTL	
003	B&W/Single Color	*CTL	
004	Development: CMY	*CTL	
005	Development: K	*CTL	
008	Print: Color	*CTL	
009	Print: B/W	*CTL	
010	Total: Color	*CTL	
011	Total: B/W	*CTL	[0 to 99999999 / **0** / 1]
012	Full Color: A3	*CTL	
013	Full Color: -B4	*CTL	
014	Full Color Print	*CTL	
015	Mono Color Print	*CTL	
017	Twin Color Mode Print	*CTL	
018	Full Color Print (Twin)	*CTL	
019	Mono Color Print (Twin)	*CTL	
020	Full Color Total (CV)	*CTL	
021	Mono Color Total (CV)	*CTL	[0 to 99999999 / **0** / 1]
022	Full Color Print (CV)	*CTL	
023	Eco Color Print (FC)	*CTL	
024	Eco Color Print (Bk)	*CTL	
025	Total: Color (Eco Bk)	*CTL	

026	Total: B/W (Eco Bk)	*CTL	
027	Total: Color (Eco FC)	*CTL	[0 to 99999999 / **0** / 1]
028	Development: CMY (A3)	*CTL	
029	Development: K (A3)	*CTL	
030	Total: Color (A3)	*CTL	
031	Total: B/W (A3)	*CTL	

8582	**[C:Counter]**		
	These SPs count the total output of the copy application broken down by color output.		
001	B/W	*CTL	[0 to 99999999 / **0** / 1]
002	Mono Color	*CTL	
003	Full Color	*CTL	
004	Single Color	*CTL	
005	Two Color	*CTL	

8583	**[F:Counter]**		
	These SPs count the total output of the fax application broken down by color output.		
001	B/W	*CTL	[0 to 99999999 / **0** / 1]
002	Mono Color	*CTL	
003	Full Color	*CTL	
004	Single Color	*CTL	
005	Two Color	*CTL	

8584	**[P:Counter]**		
	These SPs count the total output of the print application broken down by color output.		
001	B/W	*CTL	[0 to 99999999 / **0** / 1]
002	Mono Color	*CTL	
003	Full Color	*CTL	
004	Single Color	*CTL	
005	Two Color	*CTL	

8586	**[L:Counter]**		
	These SPs count the total output of the local storage broken down by color output.		
001	B/W	*CTL	[0 to 99999999 / **0** / 1]
002	Mono Color	*CTL	
003	Full Color	*CTL	
004	Single Color	*CTL	
005	Two Color	*CTL	

8591	**[O:Counter]**		
	These SPs count the totals for A3/DLT paper use, number of duplex pages printed, and the number of staples used. These totals are for Other (O:) applications only.		
001	A3/DLT	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Duplex	*CTL	

8601	**[T:CvgCounter]**		
	These SPs count the total coverage for each color and the total printout pages for each printing mode.		
001	Cvg: BW %	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Cvg: FC %	*CTL	
011	Cvg: BW Pages	*CTL	[0 to 9999999 / **0** / 1 / step]
012	Cvg: FC Pages	*CTL	[0 to 9999999 / **0** / 1 / step]
021	CvgCounter 1	*CTL	[0 to 9999999 / **0** / 1 / step]
022	CvgCounter 2	*CTL	
023	CvgCounter 3	*CTL	
031	CvgCounter 1(YMC)	*CTL	[0 to 9999999 / **0** / 1 / step]
032	CvgCounter 2(YMC)	*CTL	
033	CvgCounter 3(YMC)	*CTL	

8602	**[C:CvgCounter]**		
	-		
001	Cvg: B/W %	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Cvg: Single Color %	*CTL	
003	Cvg: Two Color %	*CTL	
004	Cvg: Full Color %	*CTL	

8603	**[F:CvgCounter]**		
	-		
001	Cvg: B/W %	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Cvg: Single Color %	*CTL	

8604	[P:CvgCounter]		
	-		
001	Cvg: B/W %	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Cvg: Single Color %	*CTL	
003	Cvg: Two Color %	*CTL	
004	Cvg: Full Color %	*CTL	

8606	[L:CvgCounter]		
	-		
001	Cvg: B/W %	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Cvg: Single Color %	*CTL	
003	Cvg: Two Color %	*CTL	
004	Cvg: Full Color %	*CTL	

8617	[SDK Apli Counter]		
	These SPs count the total printout pages for each SDK application.		
001	SDK-1	*CTL	[0 to 99999999 / **0** / 1 / step]
002	SDK-2	*CTL	
003	SDK-3	*CTL	
004	SDK-4	*CTL	
005	SDK-5	*CTL	
006	SDK-6	*CTL	

8621	[Func Use Counter]		
	-		
001	Function-001	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Function-002	*CTL	
003	Function-003	*CTL	
004	Function-004	*CTL	
005	Function-005	*CTL	
006	Function-006	*CTL	[0 to 99999999 / **0** / 1 / step]
007	Function-007	*CTL	
008	Function-008	*CTL	
009	Function-009	*CTL	
010	Function-010	*CTL	
011	Function-011	*CTL	[0 to 99999999 / **0** / 1 / step]
012	Function-012	*CTL	
013	Function-013	*CTL	
014	Function-014	*CTL	
015	Function-015	*CTL	
016	Function-016	*CTL	[0 to 99999999 / **0** / 1 / step]
017	Function-017	*CTL	
018	Function-018	*CTL	
019	Function-019	*CTL	
020	Function-020	*CTL	
021	Function-021	*CTL	[0 to 99999999 / **0** / 1 / step]
022	Function-022	*CTL	
023	Function-023	*CTL	

024	Function-024	*CTL	
025	Function-025	*CTL	
026	Function-026	*CTL	[0 to 99999999 / **0** / 1 / step]
027	Function-027	*CTL	
028	Function-028	*CTL	
029	Function-029	*CTL	
030	Function-030	*CTL	
031	Function-031	*CTL	[0 to 99999999 / **0** / 1 / step]
032	Function-032	*CTL	
033	Function-033	*CTL	
034	Function-034	*CTL	
035	Function-035	*CTL	
036	Function-036	*CTL	
037	Function-037	*CTL	
038	Function-038	*CTL	
039	Function-039	*CTL	
040	Function-040	*CTL	
041	Function-041	*CTL	[0 to 99999999 / **0** / 1 / step]
042	Function-042	*CTL	
043	Function-043	*CTL	
044	Function-044	*CTL	
045	Function-045	*CTL	
046	Function-046	*CTL	
047	Function-047	*CTL	
048	Function-048	*CTL	
049	Function-049	*CTL	

050	Function-050	*CTL	
051	Function-051	*CTL	[0 to 99999999 / **0** / 1 / step]
052	Function-052	*CTL	
053	Function-053	*CTL	
054	Function-054	*CTL	
055	Function-055	*CTL	
056	Function-056	*CTL	
057	Function-057	*CTL	
058	Function-058	*CTL	
059	Function-059	*CTL	
060	Function-060	*CTL	
061	Function-061	*CTL	[0 to 99999999 / **0** / 1 / step]
062	Function-062	*CTL	
063	Function-063	*CTL	
064	Function-064	*CTL	

8631	**[T:FAX TX PGS]**		
	These SPs count by color mode the number of pages sent by fax to a telephone number.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

8633	**[F:FAX TX PGS]**		
	These SPs count by color mode the number of pages sent by fax to a telephone number.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

- If a document has color and black-and-white pages mixed, the pages are counted separately as B/W or Color.
- At the present time, this feature is provided for the Fax application only so SP8631 and SP8633 are the same.
- The counts include error pages.
- If a document is sent to more than one destination with a Group transmission, the count is done for each destination.
- Polling transmissions are counted but polling RX are not.
- Relay, memory, and confidential mailbox transmissions and are counted for each destination.

8641	**[T:IFAX TX PGS]**		
	These SPs count by color mode the number of pages sent by fax to as fax images using I-Fax.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

8643	**[F:IFAX TX PGS]**		
	These SPs count by color mode the number of pages sent by Fax as fax images using I-Fax.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

- If a document has color and black-and-white pages mixed, the pages are counted separately as B/W or Color.
- At the present time, this feature is provided for the Fax application only so SP8641 and SP8643 are the same.
- The counts include error pages.
- If a document is sent to more than one destination with a Group transmission, the count is done for each destination.
- Polling transmissions are counted but polling RX are not.
- Relay, memory, and confidential mailbox transmissions and are counted for each destination.

8651	[T:S-to-Email PGS]		
	These SPs count by color mode the total number of pages attached to an e-mail for both the Scan and document server applications.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

8655	[S:S-to-Email PGS]		
	These SPs count by color mode the total number of pages attached to an e-mail for both the Scan and document server applications.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

Note

- The count for B/W and Color pages is done after the document is stored on the HDD. If the job is cancelled before it is stored, the pages are not counted.
- If Scan-to-Email is used to send a 10-page document to 5 addresses, the count is 10 (the pages are sent to the same SMTP server together).
- If Scan-to-PC is used to send a 10-page document to 5 folders, the count is 50 (the document is sent to each destination of the SMB/FTP server).
- Due to restrictions on some devices, if Scan-to-Email is used to send a 10-page document to a large number of destinations, the count may be divided and counted separately. For example, if a 10-page document is sent to 200 addresses, the count is 10 for the first 100 destinations and the count is also 10 for the second 100 destinations, for a total of 20.).

8661	[T:Deliv PGS/Svr]		
	These SPs count by color mode the total number of pages sent to a Scan Router server by both Scan and LS applications.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

8665	**[S:Deliv PGS/Svr]**		
	These SPs count by color mode the total number of pages sent to a Scan Router server by the Scan application.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

Note

- The B/W and Color counts are done after the document is stored on the HDD of the Scan Router server.
- If the job is canceled before storage on the Scan Router server finishes, the counts are not done.
- The count is executed even if regardless of confirmation of the arrival at the Scan Router server.

8671	**[T:Deliv PGS/PC]**		
	These SPs count by color mode the total number of pages sent to a folder on a PC (Scan-to-PC) with the Scan and LS applications.		
8675	**[S: Deliv PGS/PC]**		
	These SPs count by color mode the total number of pages sent with Scan-to-PC with the Scan application.		
001	B/W	*CTL	[0 to 9999999 / **0** / 1 step]
002	Color	*CTL	[0 to 9999999 / **0** / 1 step]

8681	**[T:PCFAX TXPGS]**	*CTL	These SPs count the number of pages sent by PC Fax. These SPs are provided for the Fax application only, so the counts for SP8 681 and SP8 683 are the same. [0 to 9999999 / **0** / 1 / step]
8683	**[F:PCFAX TXPGS]**	*CTL	

- This counts pages sent from a PC using a PC fax application, from the PC through the copier to the destination.
- When sending the same message to more than one place using broadcasting, the pages are

only counted once. (For example, a 10-page fax is sent to location A and location B. The counter goes up by 10, not 20.)

8691	**[T:TX PGS/LS]**	*CTL	These SPs count the number of pages sent from the document server. The counter for the application that was used to store the pages is incremented. [0 to 9999999/ **0** / 1 / step] The L: counter counts the number of pages stored from within the document server mode screen at the operation panel. Pages stored with the Store File button from within the Copy mode screen go to the C: counter.
8692	**[C:TX PGS/LS]**	*CTL	
8693	**[F:TX PGS/LS]**	*CTL	
8694	**[P:TX PGS/LS]**	*CTL	
8695	**[S:TX PGS/LS]**	*CTL	
8696	**[L:TX PGS/LS]**	*CTL	

Note

- Print jobs done with Web Image Monitor and Desk Top Binder are added to the count.
- If several documents are merged for sending, the number of pages stored are counted for the application that stored them.
- When several documents are sent by a Fax broadcast, the F: count is done for the number of pages sent to each destination.

8701	**[TX PGS/Port]**		
	These SPs count the number of pages sent by the physical port used to send them. For example, if a 3-page original is sent to 4 destinations via ISDN G4, the count for ISDN (G3, G4) is 12.		
001	PSTN-1	*CTL	[0 to 9999999/ **0** / 1 / step]
002	PSTN-2	*CTL	[0 to 9999999/ **0** / 1 / step]
003	PSTN-3	*CTL	[0 to 9999999/ **0** / 1 / step]
004	ISDN (G3,G4)	*CTL	[0 to 9999999/ **0** / 1 / step]
005	Network	*CTL	[0 to 9999999/ **0** / 1 / step]

8711	**[T:Scan PGS/Comp]**		
8715	**[S:Scan PGS/Comp]**		
	These SPs count the number of pages sent by each compression mode.		
001	JPEG/JPEG2000	*CTL	[0 to 9999999/ **0** / 1 / step]
002	TIFF(Multi/Single)	*CTL	[0 to 9999999/ **0** / 1 / step]
003	PDF	*CTL	[0 to 9999999/ **0** / 1 / step]
004	Other	*CTL	[0 to 9999999/ **0** / 1 / step]
005	PDF/Comp	*CTL	[0 to 9999999/ **0** / 1 / step]
006	PDF/A	*CTL	[0 to 9999999/ **0** / 1 / step]
007	PDF(OCR)	*CTL	[0 to 9999999/ **0** / 1 / step]
008	PDF/Comp(OCR)	*CTL	[0 to 9999999/ **0** / 1 / step]

8721	**[T:Deliv PGS/WSD]**		
8725	**[S: Dvliv PGS/WSD]**		
	These SPs count the number of pages scanned by each scanner mode.		
001	B/W	*CTL	[0 to 9999999/ **0** / 1 / step]
002	Color	*CTL	[0 to 9999999/ **0** / 1 / step]

8731	**[T:Scan PGS/Media]**		
8735	**[S:Scan PGS/Media]**		
	These SPs count the number of pages scanned and saved in a media by each scanner mode.		
001	B/W	*CTL	[0 to 9999999/ **0** / 1 / step]
002	Color	*CTL	[0 to 9999999/ **0** / 1 / step]

8741	**[RX PGS/Port]**		
	These SPs count the number of pages received by the physical port used to receive them.		
001	PSTN-1	*CTL	[0 to 9999999/ **0** / 1 / step]
002	PSTN-2	*CTL	[0 to 9999999/ **0** / 1 / step]
003	PSTN-3	*CTL	[0 to 9999999/ **0** / 1 / step]
004	ISDN (G3,G4)	*CTL	[0 to 9999999/ **0** / 1 / step]
005	Network	*CTL	[0 to 9999999/ **0** / 1 / step]

8771	**[Dev Counter]**		
	These SPs count the frequency of use (number of rotations of the development rollers) for black and other color toners.		
001	Total	*CTL	[0 to 99999999 / **0** / 1 / step]
002	K	*CTL	
003	Y	*CTL	
004	M	*CTL	
005	C	*CTL	

8781	**[Toner_Bottle_Info.]**		
	These SPs display the number of already replaced toner bottles. NOTE: Currently, the data in SP7-833-011 through 014 and the data in SP8-781-001 through 004 are the same.		
001	Toner: BK	*ENG	[0 to 9999999 / **0** / 1 / step]
	The number of black-toner bottles		
002	Toner: Y	*ENG	[0 to 9999999 / **0** / 1 / step]
	The number of yellow-toner bottles		
003	Toner: M	*ENG	[0 to 9999999 / **0** / 1 / step]
	The number of magenta-toner bottles		
004	Toner: C	*ENG	[0 to 9999999 / **0** / 1 / step]
	The number of cyan-toner bottles		

8791	**[LS Memory Remain]**	*CTL	This SP displays the percent of space available on the document server for storing documents. [0 to 100 / **0** / 1 / step]

8801	**[Toner Remain]**		
	These SPs display the percent of toner remaining for each color. This SP allows the user to check the toner supply at any time. Note: This precise method of measuring remaining toner supply (1% steps) is better than other machines in the market that can only measure in increments of 10 (10% steps).		
001	K	*CTL	[0 to 100 / **0** / 1% / step]
002	Y	*CTL	
003	M	*CTL	
004	C	*CTL	

8811	[Eco Counter]		
	-		
001	Eco Total	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Color	*CTL	
003	Full Color	*CTL	
004	Duplex	*CTL	
005	Combine	*CTL	
006	Color (%)	*CTL	[0 to 100 / **0** / 1% / step]
007	Full Color (%)	*CTL	
008	Duplex (%)	*CTL	
009	Combine (%)	*CTL	
010	Paper Cut (%)	*CTL	
101	Eco Totalr:Last	*CTL	[0 to 99999999 / **0** / 1 / step]
102	Color:Last	*CTL	
103	Full Color:Last	*CTL	
104	Duplex:Last	*CTL	
105	Combine:Last	*CTL	
106	Color(%):Last	*CTL	[0 to 100 / **0** / 1% / step]
107	Full Color (%):Last	*CTL	
108	Duplex (%):Last	*CTL	
109	Combine (%):Last	*CTL	
110	Paper Cut (%):Last	*CTL	

8851	**[Cvr Cnt: 0-10%]**		
	These SPs display the number of scanned sheets on which the coverage of each color is from 0% to 10%.		
011	0 to 2%: BK	*ENG	[0 to 99999999 / **0** / 1 / step]
012	0 to 2%: Y	*ENG	
013	0 to 2%: M	*ENG	
014	0 to 2%: C	*ENG	
021	3 to 4%: BK	*ENG	[0 to 99999999 / **0** / 1 / step]
022	3 to 4%: Y	*ENG	
023	3 to 4%: M	*ENG	
024	3 to 4%: C	*ENG	
031	5 to 7%: BK	*ENG	[0 to 99999999 / **0** / 1 / step]
032	5 to 7%: Y	*ENG	
033	5 to 7%: M	*ENG	
034	5 to 7%: C	*ENG	
041	8 to 10%: BK	*ENG	[0 to 99999999 / **0** / 1 / step]
042	8 to 10%: Y	*ENG	
043	8 to 10%: M	*ENG	
044	8 to 10%: C	*ENG	

8861	**[Cvr Cnt: 11-20%]**		
	These SPs display the number of scanned sheets on which the coverage of each color is from 11% to 20%.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8871	**[Cvr Cnt: 21-30%]**		
	These SPs display the number of scanned sheets on which the coverage of each color is from 21% to 30%.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8881	**[Cvr Cnt: 31%-]**		
	These SPs display the number of scanned sheets on which the coverage of each color is 31% or higher.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8891	**[Page/Toner Bottle]**		
	These SPs display the amount of the remaining current toner for each color.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8901	**[Page/Ink_prev1]**		
	These SPs display the amount of the remaining previous toner for each color.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8911	**[Page/Ink_prev2]**		
	These SPs display the amount of the remaining 2nd previous toner for each color.		
001	BK	*ENG	[0 to 99999999 / **0** / 1 / step]
002	Y	*ENG	
003	M	*ENG	
004	C	*ENG	

8921	**[Cvr Cnt/Total]**		
	Displays the total coverage and total printout number for each color.		
001	Coverage (%) Bk	*CTL	[0 to 2147483647 / **0** / 1% / step]
002	Coverage (%) Y	*CTL	
003	Coverage (%) M	*CTL	
004	Coverage (%) C	*CTL	
011	Coverage /P: Bk	*CTL	[0 to 99999999 / **0** / 1 / step]
012	Coverage /P: Y	*CTL	
013	Coverage /P: M	*CTL	
014	Coverage /P: C	*CTL	

8941	**[Machine Status]**		
	These SPs count the amount of time the machine spends in each operation mode. These SPs are useful for customers who need to investigate machine operation for improvement in their compliance with ISO Standards.		
001	Operation Time	*CTL	[0 to 99999999 / **0** / 1 / step]
	Engine operation time. Does not include time while controller is saving data to HDD (while engine is not operating).		
002	Standby Time	*CTL	[0 to 99999999 / **0** / 1 / step]
	Engine not operating. Includes time while controller saves data to HDD. Does not include time spent in Energy Save, Low Power, or Off modes.		
003	Energy Save Time	*CTL	[0 to 99999999 / **0** / 10 / step]
	Includes time while the machine is performing background printing.		
004	Low Power Time	*CTL	[0 to 99999999 / **0** / 1 / step]
	Includes time in Energy Save mode with Engine on. Includes time while machine is performing background printing.		

005	Off Mode Time	*CTL	[0 to 99999999 / **0** / 1 / step]
	Includes time while machine is performing background printing. Does not include time machine remains powered off with the power switches.		
006	SC	*CTL	[0 to 99999999 / **0** / 1 / step]
	Total time when SC errors have been staying.		
007	PrtJam	*CTL	[0 to 99999999 / **0** / 1 / step]
	Total time when paper jams have been staying during printing.		
008	OrgJam	*CTL	[0 to 99999999 / **0** / 1 / step]
	Total time when original jams have been staying during scanning.		
009	Supply PM Unit End	*CTL	[0 to 99999999 / **0** / 1 / step]
	Total time when toner end has been staying		

8951	**[AddBook Register]**		
	These SPs count the number of events when the machine manages data registration.		
001	User Code/User ID	*CTL	[0 to 9999999/ **0** / 1 / step]
	User code registrations.		
002	Mail Address	*CTL	[0 to 9999999/ **0** / 1 / step]
	Mail address registrations.		
003	Fax Destination	*CTL	[0 to 9999999/ **0** / 1 / step]
	Fax destination registrations.		
004	Group	*CTL	[0 to 9999999/ **0** / 1 / step]
	Group destination registrations.		
005	Transfer Request	*CTL	[0 to 9999999/ **0** / 1 / step]
	Fax relay destination registrations for relay TX.		

006	F-Code	*CTL	[0 to 9999999/ **0** / 1 / step]
	F-Code box registrations.		
007	Copy Program	*CTL	[0 to 255 / **0** / 255 / step]
	Copy application registrations with the Program (job settings) feature.		
008	Fax Program	*CTL	[0 to 255 / **0** / 255 / step]
	Fax application registrations with the Program (job settings) feature.		
009	Printer Program	*CTL	[0 to 255 / **0** / 255 / step]
	Printer application registrations with the Program (job settings) feature.		
010	Scanner Program	*CTL	[0 to 255 / **0** / 255 / step]
	Scanner application registrations with the Program (job settings) feature.		

8961	**[Electricity Status]**		
	-		
001	Ctrl Standby Time	*CTL	[0 to 99999999 / **0** / 1 / step]
002	STR Time	*CTL	
003	Main Power Off Time	*CTL	
004	Reading and Printing Time	*CTL	
005	Printing Time	*CTL	[0 to 99999999 / **0** / 1 / step]
006	Reading Time	*CTL	
007	Eng Waiting Time	*CTL	
008	Low Power State Time	*CTL	
009	Silent State Time	*CTL	
010	Heater Off State Time	*CTL	
011	LCD on Time	*CTL	

8971	[Unit Control]		
	-		
001	Engine Off Recovery Count	*CTL	[0 to 99999999 / 0 / 1 / step]
002	Power Off Count	*CTL	
003	Force Power Off Count	*CTL	

8999	[AdminCounter]		
	Displays each total print out and total coverage.		
001	Total	*CTL	[0 to 99999999 / **0** / 1 / step]
002	Copy:FC	*CTL	[0 to 99999999 / **0** / 1 / step]
003	Copy:BW	*CTL	[0 to 99999999 / **0** / 1 / step]
004	Copy:OneC	*CTL	[0 to 99999999 / **0** / 1 / step]
005	Copy:TwoC	*CTL	[0 to 99999999 / **0** / 1 / step]
006	Printer:FC	*CTL	[0 to 99999999 / **0** / 1 / step]
007	Printer:BW	*CTL	[0 to 99999999 / **0** / 1 / step]
008	Printer:OneC	*CTL	[0 to 99999999 / **0** / 1 / step]
009	Printer:TwoC	*CTL	[0 to 99999999 / **0** / 1 / step]
010	FaxP:BW	*CTL	[0 to 99999999 / **0** / 1 / step]
011	FaxP:OneC	*CTL	[0 to 99999999 / **0** / 1 / step]
012	A3/DLT	*CTL	[0 to 99999999 / **0** / 1 / step]
013	Duplex	*CTL	[0 to 99999999 / **0** / 1 / step]
014	Cvg:FC %	*CTL	[0 to 2147483647 / **0** / 1% / step]
015	Cvg:BW %	*CTL	[0 to 2147483647 / **0** / 1% / step]
016	Cvg:FC Pages	*CTL	[0 to 99999999 / **0** / 1 / step]
017	Cvg:BW Pages	*CTL	[0 to 99999999 / **0** / 1 / step]

018	GPC	*CTL	[0 to 99999999 / **0** / 1 / step]
019	GPC Printer	*CTL	[0 to 99999999 / **0** / 1 / step]
020	Full Color GPC	*CTL	[0 to 99999999 / **0** / 1 / step]
021	A2	*CTL	[0 to 99999999 / **0** / 1 / step]
022	SendTtl:FC	*CTL	[0 to 2147483647 / **0** / 1% / step]
023	SendTtl:BW	*CTL	[0 to 2147483647 / **0** / 1% / step]
024	FaxSend	*CTL	[0 to 2147483647 / **0** / 1% / step]
0250	ScanSend:FC	*CTL	[0 to 2147483647 / **0** / 1% / step]
026	ScanSend:BW	*CTL	[0 to 2147483647 / **0** / 1% / step]
027	Total	*CTL	[0 to 2147483647 / **0** / 1% / step]
028	Copy:FC	*CTL	[0 to 2147483647 / **0** / 1% / step]
029	Copy:BW	*CTL	[0 to 2147483647 / **0** / 1% / step]
030	Copy:OneC	*CTL	[0 to 2147483647 / **0** / 1% / step]
031	Copy:TwoC	*CTL	[0 to 2147483647 / **0** / 1% / step]
101	Printer:FC	*CTL	[0 to 99999999 / **0** / 1 / step]
102	Printer:BW	*CTL	[0 to 99999999 / **0** / 1 / step]
103	Printer:OneC	*CTL	[0 to 99999999 / **0** / 1 / step]
104	Printer:TwoC	*CTL	[0 to 99999999 / **0** / 1 / step]
105	FaxP:BW	*CTL	[0 to 99999999 / **0** / 1 / step]

INPUT AND OUTPUT CHECK

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
1 ~ 126	4/23/2014	5803 Input check table
63 ~ 116	5/15/2014	Added D136 only note

7. INPUT AND OUTPUT CHECK

7.1 INPUT CHECK TABLE

5803 **[INPUT Check]**			
001 (PIBPort07)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	PTR AC Error Detection	Normal	SC detected
5	PTR Separation PP Error Detection	Normal	SC detected
4	PTR PP Error Detection	Normal	SC detected
3	ITB PP Error Detection Y	Normal	SC detected
2	ITB PP Error Detection M	Normal	SC detected
1	ITB PP Error Detection C	Normal	SC detected
0	ITB PP Error Detection K	Normal	SC detected
002 (PIBPort08)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	PCU Set Detection: Y	Set	Not Set
5	PCU Set Detection: M	Set	Not Set
4	PCU Set Detection: C	Set	Not Set
3	PCU Set Detection: K	Set	Not Set
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
003 (PIBPort09)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Toner Supply door interlock switch	Cover closed	Cover open
5	Toner Supply unit Set Detection	Set	Not Set
4	Not used	-	-
3	Imaging Cooing Fan /Right	Normal	Not normal
2	Imaging Cooing Fan /left	Normal	Not normal
1	Controller Exhaust Fan	Normal	Not normal

0	Duplex Exhaust Fan/center	Not normal	Normal
004 (PIBPort13)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Lubricant Unit Detection M	Set	Unset
5	Lubricant Unit Detection Y	Set	Unset
4	P Sensor Cleaning Fan	Not normal	Normal
3	Development Exhaust Fan/left	Not normal	Normal
2	Development Exhaust Fan/Right	Not normal	Normal
1	Heat Pipe Exhaust Fan	Normal	Not normal
0	Heat Pipe Intake Fan	Not normal	Normal
005 (PIBPort17)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
006 (PIBPort23)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
*3	Lubricant Near End Switch/Y	Near End	Normal
*2	Lubricant Near End Switch/M	Near End	Normal
*1	Lubricant Near End Switch/C	Near End	Normal
*0	Lubricant Near End Switch/K	Near End	Normal
*****Set **SP5805-192** (Lubricant Near-End SW Power Control) to **ON**, and then check the values of bits 3, 2, 1, and 0. After this, make sure to set SP5805-192 back to **OFF (0).**			
007 (PIBPort24)			
Bit	Description	Reading	

		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Shutter Sensor	Shutter closed	Sutter open
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
008 (PIBPort27)			
Bit	Description	Reading	
		0	1
7	Charge PP Error Detection Y	Normal	SC detected
6	Charge PP Error Detection M	Normal	SC detected
5	Charge PP Error Detection C	Normal	SC detected
4	Charge PP Error Detection K	Normal	SC detected
3	Development Bias Error Detection Y	Normal	SC detected
2	Development Bias Error Detection M	Normal	SC detected
1	Development Bias Error Detection C	Normal	SC detected
0	Development Bias Error Detection K	Normal	SC detected
009 (PIBEXINT)			
Bit	Description	Reading	
		0	1
7	Development Sleeve Home Position Sensor M	Not detected	Home Position detected
6	OPC Home Position Sensor M	Not detected	Home Position detected
5	Development Sleeve Home Position Sensor Y	Not detected	Home Position detected
4	OPC Home Position Sensor Y	Not detected	Home Position detected

3	Development Sleeve Home Position Sensor Bk	Not detected	Home Position detected
2	OPC Home Position Sensor Bk	Not detected	Home Position detected
1	Development Sleeve Home Position Sensor C	Not detected	Home Position detected
0	OPC Home Position Sensor C	Not detected	Home Position detected

010 (FSBPort08)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6*	Fusing Unit Specification5		
5*	Fusing Unit Specification4 (Series 2/ Unit Detection)		
4*	Fusing Unit Specification 3 (Series 1/Unit Detection)		
3	Fusing Unit Specification 2 (Type)	Pro	Office
2	Not used	-	-
1	Fusing Unit Specification 0 (Voltage 100V/200V)	200V	100V
0	Not used	-	-

*Readings for bits 4, 5, 6:
Set: Bits 4, 5, 6 = “0”, “0”, “1”, respectively
Unset: All other combinations

011 (FSBPort13)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Duplex Exhaust Fan/Front	Normal	Stopped/Lock detected
5	Drive Exhaust Fan/left	Normal	Stopped/Lock detected

4	IH & Belt Cleaning Exhaust Fan	Normal	Stopped/Lock detected
3	IH Power Cooling Fan	Stopped/Lock detected	Normal
2	PSU Fan/left	Normal	Stopped/Lock detected
1	PSU Fan/Right	Normal	Stopped/Lock detected
0	Not used	-	-
012 (FSBPort17)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Fusing Cam Position Sensor B	Blocked	Unblocked
4	Fusing Cam Position Sensor A	Blocked	Unblocked
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
013 (FSBPort22)			
Bit	Description	Reading	
		0	1
7	Waste Toner Bottle Near Full Sensor	Normal	Near Full
6	Not used	-	-
5	Waste Toner Bottle Set Sensor	Set	Unset
4	Waste Toner Bottle Lock Sensor	Blocked	Unblocked
3	Heat Pipe Set Detection	Set	Unset
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
014 (FSBPort23)			
Bit	Description	Reading	
		0	1

7	Fusing Unit Exit Sensor	Paper	No Paper
6	Fusing Unit Entrance Sensor	Paper	No Paper
5	Not used	-	-
4	24VS1 Output Monitor	Output Normal	Output Error/OFF
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	IH Inverter Error Information	Normal	IH Error
015 (FSBPort28)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	IH: Enable	OFF	ON
2	FDB_M Set Detection	Set	Unset
1	Refresh Roller Contact Sensor	Out of Home	Home
0	Refresh Roller Drive Motor	Normal	Error
016 (FSBPort29)			
Bit	Description	Reading	
		0	1
7	Fusing Motor (BLM) Lock	Normal	Error
6	Bottle Waste Toner Motor (BLM) Lock	Normal	Error
5	Waste Toner Collection Motor (BLM) Lock	Normal	Error
4	Not used	-	-
3	Not used	-	-
2	High Temperature Detection: Thermopile Heating Center	High temperature detected	Normal
1	High Temperature Detection: Thermistor Heating Front	High temperature detected	Normal
0	High Temperature Detection: Thermopile Heating Roller Center	High temperature detected	Normal

017 (FSBEXINT)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Interlock Door Open/Close	Door Closed	Door Open
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Zero Cross 2	Zero Cross detected	Not detected
019 (FSBPort3)			
Bit	Description	Reading	
		0	1
7	Fusing Exit Exhaust Fan	Normal	Stopped/Lock detected
6	Ozone Exhaust Fan	Normal	Stopped/Lock detected
5	Fusing Pressure Roller Exhaust Fan	Normal	Stopped/Lock detected
4	Duplex Exhaust Fan/Rear	Normal	Stopped/Lock detected
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
020 (PFB_V1Port07)			
Bit	Description	Reading	
		0	1
7	4th Feed Sensor	Paper	No paper
6	3rd Feed Sensor	Paper	No paper
5	2nd Feed Sensor	Paper	No paper
4	1st Feed Sensor	Paper	No paper
3	4th Transport Sensor	Paper	No paper
2	3rd Transport Sensor	Paper	No paper

1	2ndTransport Sensor	Paper	No paper
0	1st Transport Sensor	Paper	No paper
021 (PFB_V1Port09)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Vertical Transport Door Open/Close Sensor	Door closed	Door open
5	Drawer Lock Sensor	H to L rise, unlocked at the edge	L to H rise, Locked at the edge
4	Bottom Left Door Open/Close Sensor	Door closed	Door open
3	Not used	-	-
2	Bypass Door Open/Close Sensor	Door closed	Door open
1	Not used	-	-
0	Tandem Tray Left Set Detection	Set	Unset
022 (PFB_V1Port19)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Left Tray Paper Sensor	Paper	No Paper
1	Transport Press Sensor	Not pressed	Pressed
0	Transport Home Position Sensor	Out of home	Home
023 (PFB_V1Port27)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Duplex Inverter Sensor	Paper	No Paper
5	Not used	-	-
4	Not used	-	-

3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
024 (PFB_V2Port07)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Decurl Unit Exit Sensor	Paper	No Paper
5	Decurl Unit Exit Sensor	Paper	No Paper
4	Shift Roller HP Sensor	Home	Out of Home
3	Decurl Unit Roller Unit Set Sensor	Set	Unset
2	Decurl Unit Connection Sensor	Unit Set	Unit Unset
1	Decurl Unit Roller Direction Sensor	Downward Curl	Upward Curl
0	Decurl Unit Front Door Open/Close Detection	Door Closed	Door Open
025 (PFB_V2Port08)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Key Counter SET	Connected	Not Connected
5	Key Card SET	Connected	Not Connected
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
026 (PFB_V2Port11)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-

4	Not used	-	-
3	Not used	-	-
2	Mainframe LED-SW Right (SW (SW)	ON	OFF
1	Mainframe LED-SW Left (SW)	ON	OFF
0	Bypass Paper End Sensor	Paper	No paper
027 (PFB_V2Port13)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Bypass Main Scan Length Sensor CN5	See table below (Combination 1).	
5	Bypass Main Scan Length Sensor CN4		
4	Bypass Main Scan Length Sensor CN3		
3	Bypass Main Scan Length Sensor CN2		
2	Bypass Main Scan Length Sensor CN1		
1	Not used	-	-
0	Not used	-	-
028 (PFB_V2Port14)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Fusing Web Contact Sensor	No contact	Contact
1	Not used	-	-
0	Not used	-	-
029 (PFB_V2Port15)			
Bit	Description	Reading	

		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Bypass Sub Scan Length Sensor	SEF (Large)	LEF (Large)
1	Not used	-	-
0	Not used	-	-
030 (PFB_V2Port18)			
Bit	Description	Reading	
		0	1
7	Tray 4 Lift Motor Paper Height Sensor 2	See table below (Combination 2).	
6	Tray 4 Lift Motor Paper Height Sensor 1		
5	Tray 3 Lift Motor Paper Height Sensor 2		
4	Tray 3 Lift Motor Paper Height Sensor 1		
3	Tray 2 Lift Motor Paper Height Sensor 2		
2	Tray 2 Lift Motor Paper Height Sensor 1		
1	Tray 1 Lift Motor Paper Height Sensor 2		
0	Tray 1 Lift Motor Paper Height Sensor 1		
031 (PFB_V2Port19)			
Bit	Description	Reading	
		0	1
7	Tray 4 Paper End Sensor	No paper	Paper
6	Tray 3 Paper End Sensor	No paper	Paper
5	Tray 2 Paper End Sensor	No paper	Paper
4	Tray 1 Paper End Sensor	No paper	Paper
3	Tray 4 Upper Limit Sensor	Paper Height Not	Paper Height

		Reached	Reached
2	Tray 3 Upper Limit Sensor	Paper Height Not Reached	Paper Height Reached
1	Tray 2 Upper Limit Sensor	Paper Height Not Reached	Paper Height Reached
0	Tray 1 Upper Limit Sensor	Paper Height Not Reached	Paper Height Reached
032 (PFB_V2Port24)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Bypass Feed Sensor	Paper	No paper
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
033 (PFB_V2Port29)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
034 (PFB_V2EXINT)			
Bit	Description	Reading	
		0	1
7	Sensor Shift Home Position Sensor (Fall)	Not detected	Home Position detected

6	Not used	-	-
5	Inverter Junction Gate Home Position Sensor (Fall)	Not detected	Home Position detected
4	Inverter Junction Gate Home Position Sensor (Rise)	Not detected	Home Position detected
3	Edge Sensor 1	Paper Edge detected	Paper Edge not detected
2	Not used	-	-
1	Not used	-	-
0	Sensor Shift Home Position Sensor (Rise)	Not detected	Home Position detected
035 (PFB_V3Port07)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Paper Sensor 3 (Tandem)	No paper	Paper
4	Paper Sensor 2 (Tandem)	No paper	Paper
3	Paper Sensor 1 (Tandem)	No paper	Paper
2	Lower Limit Sensor (Tandem)	Not lower limit	Lower limit
1	Rear End Fence Closed Sensor	End Fence Open	End Fence Closed
0	Not used	-	-
036 (PFB_V3Port13)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Drawer Unit Set Sensor	Drawer Unit Unset	Drawer Unit Set
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-

0	Not used	-	-
037 (PFB_V3Port14)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Paper Exit Sensor	Paper	No paper
1	Duplex Exit Sensor	Paper	No paper
0	Not used	-	-
038 (PFB_V3Port15)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Inverter Exit Sensor	Paper	No paper
1	Paper Exit Relay Sensor	Paper	No paper
0	Paper Exit Full Sensor	Not full	Full
039 (PFB_V3Port17)			
Bit	Description	Reading	
		0	1
7	Duplex Transport Sensor 4	Paper	No paper
6	Duplex Transport Sensor 3	Paper	No paper
5	Duplex Transport Sensor 2	Paper	No paper
4	Duplex Transport Sensor 1	Paper	No paper
3	Not used	-	-
2	Registration Sensor (Paper Feed-out)	Paper	No paper
1	Duplex Entrance Sensor	Paper	No paper
0	Registration Sensor (Paper	Paper	No paper

	Feed-in)		
040 (PFB_V3Port18)			
Bit	Description	Reading	
		0	1
7	Tray 4 Set Sensor	Set	Unset
6	Tray 3 Set Sensor	Set	Unset
5	Tray 2 Set Sensor	Set	Unset
4	Tray 1 Right Tray Set Sensor	Set	Unset
3	Tray 4 Paper Size SW Knob 1	See table below (Combination 2).	
2	Tray 4 Paper Size SW Knob 2		
1	Tray 4 Paper Size SW Knob 3		
0	Tray 4 Paper Size SW Knob 4		
061 (PFB_V3Port19)			
Bit	Description	Reading	
		0	1
7	Tray 3 Paper Size SW Knob 1	See table below (Combination 3).	
6	Tray 3 Paper Size SW Knob 2		
5	Tray 3 Paper Size SW Knob 3		
4	Tray 3 Paper Size SW Knob 4		
3	Tray 2 Paper Size SW Knob 1		
2	Tray 2 Paper Size SW Knob 2		
1	Tray 2 Paper Size SW Knob 3		
0	Tray 2 Paper Size SW Knob 4		
062 (PFB_V3Port22)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
063			

(PFB_V3Port24)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Inverter Feed-in Sensor	Paper	No paper
2	Mainframe Relay Sensor	Paper	No paper
1	Not used	-	-
0	Transport Tank Paper Sensor	Paper	No paper
064 (PFB_V3Port25)			
Bit	Description	Reading	
		0	1
7	Exit Inverter Sensor	Paper	No paper
6	Purge Relay Sensor	Paper	No paper
5	Purged Paper Sensor	Paper	No paper
4	Vertical Transport Relay Sensor	Paper	No paper
3	Roller Home Position Sensor 2	Not detected	Home Position detected
2	Roller Home Position Sensor 1 (0:Not detected	Home Position detected)	
1	Not used	-	-
0	Not used	-	-
065 (PFB_V3Port30)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Bypass Tray Upper Limit Sensor	Upper limit not reached	Upper limit reache
2	Bypass Tray Lower Limit Sensor	Lower limit not reached	Lower limit reached

1	Bypass Tray Set Sensor	Set	Unset
0	A3 Tray Unit Set Sensor	A3 Tray Unit Set	A3 Tray Unit Unset
066 (PFB_V3Port EXINT)			
Bit	Description	Reading	
		0	1
7	Duplex Transport Sensor 1	Paper	No paper
6	Duplex Transport Sensor 2	Paper	No paper
5	Duplex Transport Sensor 3	Paper	No paper
4	Duplex Transport Sensor 4	Paper	No paper
3	Registration Sensor (Paper Feed-in)	Paper	No paper
2	Duplex Entrance Sensor	Paper	No paper
1	Registration Sensor (Paper Feed-out)	Paper	No paper
0	Not used	-	-
070 (DUB_Port04)			
Bit	Description	Reading	
		0	1
7	FDB Set Detection	Set	Unset
6	Drawer Handle Sensor	Hand inserted	Hand not inserted
5	Fusing Web End Sensor	Web remaining	Web End
4	PTB Fan (Front) Error Detection	Not normal	Normal
3	PTB Fan (Rear) Error Detection	Not normal	Normal
2	Paper Cooler HP Cooling Fan Error Detection	Not normal	Normal
1	Fusing Pressure Roller Intake Fan Error Detection	Normal	Error
0	IH Coil Cooling Fan Error Detection	Error	Normal
071 (DUB_Port05)			
Bit	Description	Reading	
		0	1
7	Transport Belt Unit Set Sensor	Unset	Set

6	Duplex Inverter Sensor	Paper	No paper
5	Duplex Transport Sensor 4	Paper	No paper
4	Duplex Transport Sensor 3	Paper	No paper
3	Duplex Transport Sensor 2	Paper	No paper
2	Duplex Transport Sensor 1	Paper	No paper
1	Duplex Exit Sensor	Paper	No paper
0	Inverter Exit Sensor	Paper	No paper
072 (DUB_Port06)			
Bit	Description	Reading	
		0	1
7	Fusing Web Set Sensor	Set	Unset
6	Transport Tank Paper Sensor	Paper	No paper
5	Mainframe Relay Sensor 4	Paper	No paper
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Registration Sensor	Paper	No paper
073 (DUB_Port07)			
Bit	Description	Reading	
		0	1
7	Purge Relay Sensor	Paper	No paper
6	Edge Sensor 1	Paper	No paper
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
074 (DUB_Port08)			
Bit	Description	Reading	
		0	1
7	Duplex Entrance Sensor	Paper	No paper
6	Not used	-	-
5	Not used	-	-

4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Paper Exit Relay Sensor	Paper	No paper
075 (DUB_Port09)			
Bit	Description	Reading	
		0	1
7	Paper Exit Sensor	Paper	No paper
6	Exit Inverter Sensor	Paper	No paper
5	Inverter Entrance Sensor	Paper	No paper
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
076 (DUB_Port18)			
Bit	Description	Reading	
		0	1
7	Duplex Lower Guide Plate Open/Close Sensor	Closed	Open
6	Registration Upper Guide Plate Open/Close Sensor	Closed	Open
5	Not used	-	-
4	Paper Exit Upper Guide Plate Open/Close Sensor	Closed	Open
3	Not used	-	-
2	Paper Exit Left Guide Plate Open/Close Sensor	Closed	Open
1	Not used	-	-
0	Fusing Exit Guide Plate Open/Close Sensor	Closed	Open
077 (DUB_Port19)			
Bit	Description	Reading	
		0	1

7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	Not used	-	-
078 (TSB_Port06)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Belt Cleaning Set Sensor	Unset	Set
4	Not used	-	-
3	Not used	-	-
2	Not used	-	-
1	Not used	-	-
0	ITB Intake Fan Error Detection	Normal	Error
079 (TSB_Port07)			
Bit	Description	Reading	
		0	1
7	Toner End Sensor Y	Toner End	Toner Remaining
6	Toner End Sensor M	Toner End	Toner Remaining
5	Toner End Sensor C	Toner End	Toner Remaining
4	Toner End Sensor K	Toner End	Toner Remaining
3	Development Intake Fan Y Error Detection	Not normal	Normal
2	Development Intake Fan M Error Detection	Not normal	Normal
1	Development Intake Fan C Error Detection	Not normal	Normal

0	Development Intake Fan K Error Detection	Not normal	Normal
080 (PIBPort14)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Lubricant Unit Detection C	Set	Unset
1	Not used	-	-
0	Not used	-	-
081 (PIBPort15)			
Bit	Description	Reading	
		0	1
7	Not used	-	-
6	Not used	-	-
5	Not used	-	-
4	Not used	-	-
3	Not used	-	-
2	Lubricant Unit Detection K	Set	Unset
1	Not used	-	-
0	Not used	-	-

082	A3LCT-CPU-Port1	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Front Cover opening-closing Detection Sensor (0: Open, 1: Close) ▪ Bit 1: Transport Sensor (0: Detected, 1: Not Detected) ▪ Bit 2: Exit Sensor (0: Detected, 1: Not Detected) ▪ Bit 3: Feed Sensor (0: Detected, 1: Not Detected) ▪ Bit 4: Paper End Detection Sensor (0: Detected, 1: Not Detected) ▪ Bit 5: Upper Limit Detection Sensor (0: Upper Limit, 1: No Upper Limit) ▪ Bit 6: Upper Left Cover opening-closing Detection Sensor (0: Open, 1: Close) ▪ Bit 7: Relay Sensor (0: Detected, 1: Not Detected)
	Checks each sensor’s information.		

083	A3LCT-CPU-Port2	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Remaining Detection Sensor 1 (0: Not Detected, 1: Detected) ▪ Bit 1: Remaining Detection Sensor 2 (0: Not Detected, 1: Detected) ▪ Bit 2: Remaining Detection Sensor 3 (0: Not Detected, 1: Detected) ▪ Bit 3: Remaining Detection Sensor 4 (0: Not Detected, 1: Detected) ▪ Bit 4: Size Detection Sensor 1 (0: Not Detected, 1: Detected) ▪ Bit 5: Size Detection Sensor 2 (0: Not Detected, 1: Detected) ▪ Bit 6: Size Detection Sensor 3 (0: Not Detected, 1: Detected) ▪ Bit 7: Length Detection Sensor (0: Not Detected, 1: Detected)
	Checks each sensor’s information.		

084	A3LCT-CPU-Port4	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: DIPSW1 (0: ON, 1: OFF) ▪ Bit 1: DIPSW2 (0: ON, 1: OFF) ▪ Bit 2: DIPSW3 (0: ON, 1: OFF) ▪ Bit 3: DIPSW4 (0: ON, 1: OFF) ▪ Bit 4: DIPSW5 (0: ON, 1: OFF) ▪ Bit 5: DIPSW6 (0: ON, 1: OFF) ▪ Bit 6: DIPSW7 (0: ON, 1: OFF) ▪ Bit 7: DIPSW8 (0: ON, 1: OFF)
	Checks setting status for DIPSW.		
085	A3LCT-CPU-PortA	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 5: Alarm before Fan (0: Normal, 1: Not Normal) ▪ Bit 6: - ▪ Bit 7: Alarm after Fan (0: Normal, 1: Not Normal)
	Checks Not Normal/Normal condition for Fan.		

086	A3LCT-CPU-PortB	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 5: Tray Set (0: Set, 1: Unset) ▪ Bit 6: - ▪ Bit 7: -
	Checks if Tray is set.		
087	A3LCT-CPU-PortC	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: Feed Unit Set Detection (0: Set, 1: Unset) ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks if Feed Unit is set.		
088	A3LCT-CPU-PortD	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Feed Motor FAULT (0: Normal, 1: Not Normal) ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks Not Normal/Normal condition for Feed Motor.		

089	A3LCT-CPU-PortE	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: Feed Motor STS0 (0: Ready, 1: E2PROM Download)
	Checks Not Normal/Normal condition for Exit Motor. Displays the condition: 0: Usable, 1: Unusable.		
091	PIBPort25	ENG	[0 to 255 / **0** / 1/step]
	Displays data register value for PIB_VODKA Port09		
092	A3LCT-CPU-PortF	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Feed Motor STS0 (0: Ready, 1: E2PROM Download) ▪ Bit 1: Transport Motor FAULT (0: Normal, 1: Not Normal) ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks Not Normal/Normal condition for Feed Motor and Transport Motor. Displays the condition: 0: Usable, 1: Unusable regarding Bit 0.		

093	A3LCT-CPU-PortG	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: Feed Motor STS0 (0: Ready, 3: E2PROM Download) ▪ Bit 3: Transport Motor FAULT (0: Normal, 1: Not Normal) ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks Not Normal/Normal condition for Transport Motor and Feed Motor. Displays the condition: 2: Usable, 1: Unusable regarding Bit 0.		
094	A3LCT-CPU-Port1	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Slide Detection Sensor 1 (0: Detected, 1: Not Detected) ▪ Bit 1: Slide Detection Sensor 2 (0: Detected, 1: Not Detected) ▪ Bit 2: Lower Limit Detection Sensor (0: No Lower Limit, 1: Lower Limit) ▪ Bit 3: Feed Sensor (0: Detected, 1: Not Detected) ▪ Bit 4: Paper End Detection Sensor (0: Detected, 1: Not Detected) ▪ Bit 5: Upper Limit Detection Sensor (0: Upper Limit, 1: No Upper Limit) ▪ Bit 6: Paper Detection Sensor (0: Detected, 1: Not Detected) ▪ Bit 7: Relay Sensor (0: Detected, 1: Not Detected)

	Checks each Sensor’s information.		
095	A3LCT-CPU-Port2	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Remaining Detection Sensor 1 (0: Not Detected, 1: Detected) ▪ Bit 1: Remaining Detection Sensor 2 (0: Not Detected, 1: Detected) ▪ Bit 2: Remaining Detection Sensor 3 (0: Not Detected, 1: Detected) ▪ Bit 3: Remaining Detection Sensor 4 (0: Not Detected, 1: Detected) ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks each Sensor’s information.		
096	A3LCT-CPU-Port4	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: DIPSW1 (0: ON, 1: OFF) ▪ Bit 1: DIPSW2 (0: ON, 1: OFF) ▪ Bit 2: DIPSW3 (0: ON, 1: OFF) ▪ Bit 3: DIPSW4 (0: ON, 1: OFF) ▪ Bit 4: DIPSW5 (0: ON, 1: OFF) ▪ Bit 5: DIPSW6 (0: ON, 1: OFF) ▪ Bit 6: DIPSW7 (0: ON, 1: OFF) ▪ Bit 7: DIPSW8 (0: ON, 1: OFF)
	Checks the setting condition for DIPSW.		

097	A3LCT-CPU-PortC	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: Paper Supply Cover opening-closing SW (0: Close, 1: Open) ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 5: Tray Down SW (0: ON, 1: OFF) ▪ Bit 6: - ▪ Bit 7: -
	Checks each SW condition.		
098	A3LCT-CPU-PortD	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Feed Motor FAULT (0: Not Normal, 1: Normal) ▪ Bit 1: - ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks Not Normal/Normal condition for Feed Motor.		
099	A3LCT-CPU-PortF	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: Feed Motor STS0 (0: Ready, 1: E2PROM Download) ▪ Bit 1: Transport Motor FAULT (0: Not Normal, 1: Normal) ▪ Bit 2: - ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -

	Checks Not Normal/Normal condition for Feed Motor and Transport Motor. Displays the condition: 0: Usable, 1: Unusable regarding Bit 0.		
100	A3LCT-CPU-PortG	ENG	[0 to 255 / **0** / 1/step] ▪ Bit 0: - ▪ Bit 1: - ▪ Bit 2: Feed Motor STS0 (0: Ready, 3: E2PROM Download) ▪ Bit 3: - ▪ Bit 4: - ▪ Bit 1: - ▪ Bit 6: - ▪ Bit 7: -
	Checks Not Normal/Normal condition for Transport Motor. Displays the condition: 0: Usable, 1: Unusable.		
101	1st Right Tray Set Detection	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
102	1st Left Tray Set Detection	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
103	Tray 2 Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
104	Tray 3 Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
105	Tray 4 Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
106	Tray 2 Size Detection SW	ENG	[0 or 15 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
107	Tray 3 Size Detection SW	ENG	[0 or 15 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
108	Tray 4 Size Detection SW	ENG	[0 or 15 / **0** / 1/step]

	Displays detection condition for the sensors, SW etc.		
109	Bypass Main Scan Length Sensor	ENG	[0 to 31 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
110	Bypass Sub Scan Length Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
111	Tray 1 Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
112	Tray 2 Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
113	Tray 3 Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
114	Tray 4 Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
115	Bypass Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
116	Left Tray Paper Detect Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
117	Tray 1: Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
118	Tray 2: Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
119	Tray 3: Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
120	Tray 4: Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]

	Displays detection condition for the sensors, SW etc.		
121	Tray 1: Lower Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
122	Tray 1: Paper Height Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
123	Tray 1: Paper Height Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
124	Tray 1: Paper Height Sensor 3	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
125	Tray 2 Paper Height Detection 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
126	Tray 2 Paper Height Detection 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
127	Tray 3 Paper Height Detection 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
128	Tray 3 Paper Height Detection 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
129	Tray 4 Paper Height Detection 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
130	Tray 4 Paper Height Detection 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		

131	Tray 1 Transport HP Detection Sn	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
132	Tray 1 Transport Press Detection Sn	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
133	Rear Side Fence Close Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
134	1st Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
135	2nd Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
136	3rd Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
137	4th Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
138	Bypass Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
139	Transport Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
140	Transport Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
141	Transport Sensor 3	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
142	Transport Sensor 4	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		

145	Main Unit Relay Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
146	Registration Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
147	Paper Exit Relay Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
148	Paper Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
149	Paper Exit Tray Full Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
150	Inverter Entrance Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
151	Paper Exit Inverter Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
152	Inverter Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
153	Purge Relay Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
154	Purge Paper Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
155	Duplex Inverter Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
156	Duplex Entrance Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
157	Duplex Transport Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		

158	Duplex Transport Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
159	Duplex Transport Sensor 3	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
160	Duplex Transport Sensor 4	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
161	Duplex Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
162	Inverter Entra Junc Solenoid Home Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
163	Heatpipe Unit Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
164	Roller HP Detect Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
165	Roller HP Detect Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
166	Sensor Shift Home Detect Sn	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
167	Edge Detect Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
168	Paper Feed 1 Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		

169	Paper Feed 2 Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
170	Paper Feed 3 Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
171	Paper Feed 4 Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
172	Bypass Paper Feed Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
173	Transport Motor 1 Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
174	Transport Motor 2 Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
175	Transport Motor 3 Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
176	Transport Motor 4 Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected

	Displays the presence of Motor Error.		
177	Main Unit Relay Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
178	Registration Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
180	Paper Exit Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
181	Paper Exit Inverter Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
182	Inverter Entrance Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
184	Duplex Inverter Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
185	Duplex Transport Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		

186	Duplex Exit Motor Error	ENG	[0 to 31 / **0** / 1/step] 1: Detected 0: Not Detected
	Displays the presence of Motor Error.		
187	Bypass BotPlt Lower Limit Position Sn	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
188	Bypass BotPlt Upper Limit Position Sn	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
189	Bypass Tray Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
190	Regist Upper Guide Plate Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
191	Paper Exit Left Guide Plate Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
192	Paper Exit Upper Guide Plate Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
193	Horizontal Transport Guide Plate Sensor	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
194	Main Unit LED-SW Left (LED)	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		
195	Main Unit LED-SW Right (LED)	ENG	[0 or 1 / **0** / 1/step]
	Displays detection condition for the sensors, SW etc.		

200	HP Senser	ENG	[0 or 1 / **0** / 1/step]
	Executes operation check for Scanner HP Sensor.		
201	Platen Cover Sensor	ENG	[0 or 1 / **0** / 1/step]
	Executes operation check for Platen Cover Sensor.		
202	Upper Right Cover Open Switch	ENG	[0 or 1 / **0** / 1/step]
	-		
203	Lower Right Cover Open Switch	ENG	[0 or 1 / **0** / 1/step]
	-		
204	Drawer Lock Sensor	ENG	[0 or 1 / **0** / 1/step]
	-		
205	Drawer Set Sensor	ENG	[0 or 1 / **0** / 1/step]
	-		
206	Drawer Knob Sensor	ENG	[0 or 1 / **0** / 1/step]
	-		
210	Buffer Pass Unit:CTB_H8S-Port9	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-Port9		
211	Buffer Pass Unit:CTB_H8S-PortA	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-PortA		
212	Buffer Pass Unit:CTB_H8S-PortB	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-PortB		
213	Buffer Pass Unit:CTB_H8S-PortC	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-PortC		

214	Buffer Pass Unit:CTB_H8S-PortD	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-PortD		
215	Buffer Pass Unit:CTB_H8S-PortE	ENG	[0 to 255 / **0** / 1/step]
	Buffer Pass Unit CTB_H8S-PortE		

6011	**[1-Pass ADF INPUT Check]**		
001	Original Length 1 (B5 Sensor)	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
002	Original Length 2 (A4 Sensor)	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
003	Original Length 3 (LG Sensor)	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
004	Original Width 1	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
005	Original Width 2	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
006	Original Width 3	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
007	Original Width 4	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		

008	Original Width 5	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
009	Original Detection	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is detected.		
010	Separation Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
011	Skew Correction	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
012	Scan Entrance Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
013	Registration Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
014	Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		
015	Feed Cover Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when Cover is opened.		
016	Lift Up Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when Lift Up is detected.		
018	Pick-Up Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when Pick-Up Roller is not in HP.		

021	Bottom Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when Bottom Plate is not in HP.		
022	Bottom Plate Position Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when Pick-Up Roller is not in Feed Position.		
023	Original Length 4 (LT/A4 Tail Sensor)	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for ADF. Turns to "1" when the original is in Sensor part.		

6123	**[INPUT Check: 2K/3K FIN]**		
001	Entrance Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
002	Horizontal Transport Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
003	Switchback Transport Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
004	Proof Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
005	Shift Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		

006	Booklet Stapler Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
007	Paper Exit Open/Close Guide HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
008	Punch HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
009	Punch Movement HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
010	S-to-S Registration Detection HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
011	Lower Junction Solenoid HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
012	Jogger Fence HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
013	Hitroll HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		

014	Feed Out Belt HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
015	Staple Moving HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
016	Booklet Stapler HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
017	Booklet Jogger HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
018	Booklet Jog Solenoid HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
019	Booklet Standard Fence HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
020	Bklet Stapler HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
022	Folder Blade Cam HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
023	Fold Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		

024	Shift Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
025	Shift Jogger HP Sensor: Front	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
026	Shift Jogger HP Sensor: Rear	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
027	Shift Jogger Retraction HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
028	Drag Roller Vibrating HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
029	LE Guide HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
030	TE Stack Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
031	Staple Tray Paper Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
032	ITB Paper Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		

033	Booklet Stapler Transport Paper Sn: Upper	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
034	Booklet Stapler Transport Paper Sn: Lower	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
035	Paper Height Sensor: Shift	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
036	Corner Stapler Paper Height Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
037	Corner Stapler Paper Height Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
038	Proof Tray Full Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
039	Booklet Stapler Full Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
040	Booklet Stapler Full Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
041	Punch Registratioin Detection Sensor	ENG	[0 or 1 / **0** / 1/step]

	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
042	Punch RPS Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
043	Corner Stapler Leading Edge Detection Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
044	Corner Stapler Staple End Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
045	Booklet Stapler Staple End Sensor: Front	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
046	Booklet Stapler Staple End Sensor: Rear	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
047	Shift Tray Lower Limit Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
048	Shift Tray Lower Limit Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
049	Shift Tray Lower Limit Sensor 3	ENG	[0 or 1 / **0** / 1/step]

	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
050	Shift Tray Lower Limit Sensor 4	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
051	Shift Tray Lower Limit Sensor 5	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
052	Punch Chad Full Sensor	ENG	[0 or 1 / **0** / 1/step]
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
053	Punch Set Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Connected 1: Unconnected
	Acquires connecting condition for Punch unit.		
054	Shift Jogger Set Detection	ENG	[0 or 1 / **0** / 1/step] 0: Connected 1: Unconnected
	Acquires connecting condition for Shift Tray Jogger unit.		
055	Booklet Stapler Set Detection	ENG	[0 or 1 / **0** / 1/step] 0: Connected 1: Unconnected
	Acquires connecting condition for Book Stapler unit.		
056	Front Door Open Switch	ENG	[0 or 1 / **0** / 1/step]
	Acquires information for the specified switches. Displays signal level for Switches as it is.		
057	Dynamic Roller Open/Close Guide Plate Sensor	ENG	[0 or 1 / **0** / 1/step]

	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
058	Tray Upper Limit SW	ENG	[0 or 1 / **0** / 1/step]
	Acquires information for the specified switches. Displays signal level for Switches as it is.		
059	Paper Exit Open/Close Guide Plate Limit SW	ENG	[0 or 1 / **0** / 1/step]
	Acquires information for the specified switches. Displays signal level for Switches as it is.		
060	Punch DIP SW1	ENG	[0 or 1 / **0** / 1/step]
	Acquires information for the specified switches. Displays signal level for Switches as it is.		
061	Punch DIP SW2	ENG	[0 or 1 / **0** / 1/step]
	Acquires information for the specified switches. Displays signal level for Switches as it is.		

6147	**[FIN INPUTCheck 3KFIN(100Bind)]**		
	-		
001	Entrance Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
002	Proof Exit Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
003	Shift Tray Exit Sensor 1	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
004	Staple Exit Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1

005	Tray Lower Limit Sensor	ENG	[0 or 1 / **0** / 1/step] Other = 0 Lower Limit = 1
006	Shift Tray Near Full Sensor	ENG	[0 or 1 / **0** / 1/step] Other = 0 Lower Limit = 1
007	Feed-Out Belt HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
008	Jogger HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
009	Shift Tray Half-Turn Sensor 1	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
010	Stapler HP Front/Rear Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
011	Stapler HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
012	Staple Out Sensor	ENG	[0 or 1 / **0** / 1/step] Cartridge Detected = 0 Cartridge Not Detected = 1
013	Staple Tray Paper Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
014	Front Door Open Switch	ENG	[0 or 1 / **0** / 1/step] Close = 0 Open = 1
015	Punch Detection Sensor	ENG	[0 or 1 / **0** / 1/step] Not Changed = 0 Changed = 1

016	Punch HP Sensor 1	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
017	Punch-out Hopper Full Sensor	ENG	[0 or 1 / **0** / 1/step] Not Full = 0 Full = 1
018	Stapling Paper Height Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
019	Paper Detection Sensor: Shift	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
020	Jam Detection Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
021	Proof Full Detection Sensor	ENG	[0 or 1 / **0** / 1/step] Not Full = 0 Full = 1
022	Stapler Rotation Sensor 1	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
023	Stapler Trimmings Hopper Full Sensor	ENG	[0 or 1 / **0** / 1/step] Not Full = 0 Full = 1
024	Pre-Stack Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
025	Stack Plate HP Sensor (Center)	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
026	Exit Guide Open Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1

027	Stapler Rotation Sensor 2	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
028	Staple Ready Sensor	ENG	[0 or 1 / **0** / 1/step] Staple Detected = 0 Staple Not Detected = 0
029	Stack Plate HP Sensor (Front)	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
030	Stack Plate HP Sensor (Back)	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
031	Positioning Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
032	Return Drive HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
033	Stapling Paper Height Sensor	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
034	Shift Lower Limit Sensor (Large Paper)	ENG	[0 or 1 / **0** / 1/step] Other = 0 Lower Limit = 1
035	Punch HP Sensor 2	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
036	Shift Jogger Sensor	ENG	[0 or 1 / **0** / 1/step] Not Changed = 0 Changed = 1
037	Shift Jogger HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1

038	Shift Jogger Retraction HP Sensor	ENG	[0 or 1 / **0** / 1/step] Retract = 0 Not Retract = 1
039	Emergency Stop Switch	ENG	[0 or 1 / **0** / 1/step] OFF=0 ON=1
040	Top Fence HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
041	Bottom Fence HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
042	LowerTray Full Sensor (Z-Folded Paper)	ENG	[0 or 1 / **0** / 1/step] Not Full = 0 Full = 1
043	Shift Tray Exit Sensor 2	ENG	[0 or 1 / **0** / 1/step] Paper Detected = 0 Paper Not Detected = 1
044	Upper Tray Junction Gate HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
045	Staple Junction Gate HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
046	Pre-Stack Junction Gate HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
047	Pre-Stack Sensor (Right)	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
048	Pre-Stack Junction Gate Release HP Sensor	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1

049	Shift Tray Half-Turn Sensor 2	ENG	[0 or 1 / **0** / 1/step] Home = 0 Other = 1
050	Staple Trimmings Hopper Set Sensor	ENG	[0 or 1 / **0** / 1/step] Detected = 0 Not Detected = 1

6160	**[INPUT Check Print Post]**		
	Acquires Sensor information for the specified sensors. Displays signal level for Sensors as it is.		
001	Paper Detect Sn 1	ENG	[0 or 1 / **0** / 1/step]
002	Vert Transport Sn:Bin1	ENG	[0 or 1 / **0** / 1/step]
003	Paper Overflow Sn 1	ENG	[0 or 1 / **0** / 1/step]
004	Paper Detect Sn 2	ENG	[0 or 1 / **0** / 1/step]
005	Vert Transport Sn2:Bin3	ENG	[0 or 1 / **0** / 1/step]
006	Paper Overflow Sn 2	ENG	[0 or 1 / **0** / 1/step]
007	Paper Detect Sn 3	ENG	[0 or 1 / **0** / 1/step]
008	Paper Overflow Sn 3	ENG	[0 or 1 / **0** / 1/step]
009	Paper Detect Sn 4	ENG	[0 or 1 / **0** / 1/step]
010	Vert Transport Sn3:Bin5	ENG	[0 or 1 / **0** / 1/step]
011	Paper Overflow Sn 4	ENG	[0 or 1 / **0** / 1/step]
012	Paper Detect Sn 5	ENG	[0 or 1 / **0** / 1/step]
013	Paper Overflow Sn 5	ENG	[0 or 1 / **0** / 1/step]
014	Paper Detect Sn 6	ENG	[0 or 1 / **0** / 1/step]
015	Vert Transport Sn4:Bin7	ENG	[0 or 1 / **0** / 1/step]
016	Paper Overflow Sn 6	ENG	[0 or 1 / **0** / 1/step]
017	Paper Detect Sn 7	ENG	[0 or 1 / **0** / 1/step]
018	Paper Overflow Sn 7	ENG	[0 or 1 / **0** / 1/step]

019	Paper Detect Sn 8	ENG	[0 or 1 / **0** / 1/step]
020	Vert Transport Sn 5:Bin9	ENG	[0 or 1 / **0** / 1/step]
021	Paper Overflow Sn 8	ENG	[0 or 1 / **0** / 1/step]
022	Paper Detect Sn 9	ENG	[0 or 1 / **0** / 1/step]
023	Paper Overflow Sn 9	ENG	[0 or 1 / **0** / 1/step]
024	Door Open Switch	ENG	[0 or 1 / **0** / 1/step]

6166	**[INPUT Check:1-Tray CIT]**		
001	Paper Feed Cover Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Set
	-		
002	Bottom Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Feed Position
	-		
003	Paper Near End Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Near End
	-		
004	Paper Set Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Paper Detected
	-		
005	Bottom Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
	-		
006	Grip Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Paper Detected
	-		
007	Guide Plate Set Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Set

	-		
008	Paper Exit Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Paper Detected
	-		
009	Paper Set Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Set
	-		
010	Width Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the width of the paper set		
011	Width Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the width of the paper set		
012	Width Sensor 3	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the width of the paper set		
013	Length Sensor 1	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the length of the paper set		
014	Length Sensor 2	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the length of the paper set		
015	Length Sensor 3	ENG	[0 or 1 / **0** / 1/step]
	Sensor for detecting the length of the paper set		

6170	**[INPUT Check Slide Sort Tray]**		
	-		
001	Transport Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
002	Shift Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
003	Lower Limit Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Lower Limit Position

004	Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 1: Detected
005	Door Switch	ENG	[0 or 1 / **0** / 1/step] 0: Close

6309	**[INPUT Check Multi Folder]**		
	-		
001	Entrance Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
002	Entrance JG HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
004	Registration Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
005	Dynamic Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
006	Registration Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
007	Fold Plate HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
008	Jogger Fence HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
010	1st Stopper Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
011	1st Stopper HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
012	2nd Stopper Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
013	2nd Stopper HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
014	3rd Stopper Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected

015	3rd Stopper HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
016	Direct-Send JG HP Sensor	ENG	[0 or 1 / **0** / 1/step] 1:HP
017	FM6 Pawl HP Sensor	ENG	[0 or 1 / **0** / 1/step] 0:HP
018	Top Tray Paper Path Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
019	Top Tray Exit Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
020	Horizontal Path Exit Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
021	Top Tray Full Sensor (E)	ENG	[0 or 1 / **0** / 1/step] 1: Detected
023	Front Door Switch (SW1)	ENG	[0 or 1 / **0** / 1/step] 0: Close
024	Horizontal Path Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
025	Vertical Path Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
026	Bypass Entrance Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected
027	Bypass Exit Paper Sensor	ENG	[0 or 1 / **0** / 1/step] 0: Detected

6400	**[Cvr Inserter INPUT Check]**		
	-		
001	1st Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
002	2nd Paper Feed Sensor	ENG	[0 or 1 / **0** / 1/step]
003	1st Transport Sensor	ENG	[0 or 1 / **0** / 1/step]

004	2nd Transport Sensor	ENG	[0 or 1 / **0** / 1/step]
005	1st Vertical Transport Sensor	ENG	[0 or 1 / **0** / 1/step]
006	2nd Vertical Transport Sensor	ENG	[0 or 1 / **0** / 1/step]
007	Paper Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
008	Entrance Sensor	ENG	[0 or 1 / **0** / 1/step]
009	Exit Sensor	ENG	[0 or 1 / **0** / 1/step]
010	1st Pick-up Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step]
011	2nd Pick-up Roller HP Sensor	ENG	[0 or 1 / **0** / 1/step]
012	1st Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
013	2nd Upper Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
014	1st Lower Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
015	2nd Lower Limit Sensor	ENG	[0 or 1 / **0** / 1/step]
016	1st Paper Near End Sensor	ENG	[0 or 1 / **0** / 1/step]
017	2nd Paper Near End Sensor	ENG	[0 or 1 / **0** / 1/step]
018	1st Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
019	2nd Paper End Sensor	ENG	[0 or 1 / **0** / 1/step]
020	1st Paper Length Sensor	ENG	[0 or 1 / **0** / 1/step]
021	2nd Paper Length Sensor	ENG	[0 or 1 / **0** / 1/step]
022	1st Paper Width Sensor 1	ENG	[0 or 1 / **0** / 1/step]
023	1st Paper Width Sensor 2	ENG	[0 or 1 / **0** / 1/step]
024	1st Paper Width Sensor 3	ENG	[0 or 1 / **0** / 1/step]
025	1st Paper Width Sensor 4	ENG	[0 or 1 / **0** / 1/step]
026	1st Paper Width Sensor 5	ENG	[0 or 1 / **0** / 1/step]
027	2nd Paper Width Sensor 1	ENG	[0 or 1 / **0** / 1/step]
028	2nd Paper Width Sensor 2	ENG	[0 or 1 / **0** / 1/step]
029	2nd Paper Width Sensor 3	ENG	[0 or 1 / **0** / 1/step]

030	2nd Paper Width Sensor 4	ENG	[0 or 1 / **0** / 1/step]
031	2nd Paper Width Sensor 5	ENG	[0 or 1 / **0** / 1/step]
032	1st Feed Cover Sensor	ENG	[0 or 1 / **0** / 1/step]
033	2nd Feed Cover Sensor	ENG	[0 or 1 / **0** / 1/step]
034	Cover Vertical Transport Switch	ENG	[0 or 1 / **0** / 1/step]
035	Front Door Open Switch	ENG	[0 or 1 / **0** / 1/step]

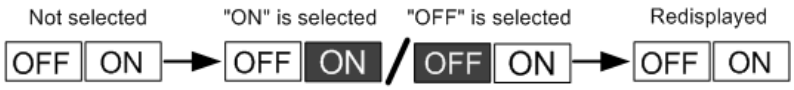
7.2 OUTPUT CHECK TABLE

5804	**[Output Check]**		
	-		
080	Polygon Motor: KC	ENG	[0 or 1 / **0** / 1/step]
	KC: Polygon OUTPUT Check KC: Polygon ON for "1"		
081	Polygon Motor: MY	ENG	[0 or 1 / **0** / 1/step]
	MY: Polygon OUTPUT Check MY: Polygon ON for "1"		
202	Scananer Lamp	ENG	[0 or 1 / **0** / 1/step]
	Executes OUTPUT Check for Scananer Lamp. Used for checking the failure in Lamp when SC101-01, SC101-02, SC102-00, SC142-00 occur.		
220	LCT: Pickup SOL	ENG	[0 or 1 / **0** / 1/step]
	Turns LCT Pickup SOL ON.		
221	LCT:Feed Mtr:Feed Speed2:550mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Feed Motor at Feed Speed.		
222	LCT:Feed Mtr:Feed Speed1:352.8mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Feed Motor at Process Speed.		
223	LCT:Transport Mtr:Feed Speed2:550mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Transport Motor at Feed Speed.		
234	LCT:Transport Mtr:Feed Speed1:352.8mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Transport Motor at Process Speed.		

235	LCT:Exit Mtr:Feed Speed2:550mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Exit Motor at Feed Speed.		
236	LCT:Exit Mtr:Feed Speed1:352.8mm/sec	ENG	[0 or 1 / **0** / 1/step]
	Drives LCT Exit Motor at Process Speed.		
237	A3LCT: Front Fan	ENG	[0 or 1 / **0** / 1/step]
	Turns A3LCT Front Fan ON.		
238	A3LCT: Rear Fan	ENG	[0 or 1 / **0** / 1/step]
	Turns A3LCT Rear Fan ON.		
239	A3LCT: Left Upper Cover LED	ENG	[0 or 1 / **0** / 1/step]
	Turns A3LCT Left Upper Cover LED ON.		
240	A3LCT: Front Cover LED	ENG	[0 or 1 / **0** / 1/step]
	Turns A3LCT Front Cover LED ON.		
241	A3LCT: Tray LED	ENG	[0 or 1 / **0** / 1/step]
	Turns A3LCT Tray LED ON.		
242	A4LCT: Paper Supply Cover LED	ENG	[0 or 1 / **0** / 1/step]
	Turns A4LCT Paper Supply Cover LED ON.		
243	A4LCT: Slide Knob LED	ENG	[0 or 1 / **0** / 1/step]
	Turns A4LCT Slide Knob LED ON.		
244	LCT:Active Tray LED	ENG	[0 or 1 / **0** / 1/step]
	Turns LCT Active Tray LED ON.		
245	Buffer Pass Unit:Feed Motor 1	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Feed Motor 1 (ON/OFF)		
246	Buffer Pass Unit:Feed Motor 2	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Feed Motor 2 (ON/OFF)		

247	Buffer Pass Unit:Cool Fan 1-2	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Cool Fan 1-2 (ON/OFF)		
248	Buffer Pass Unit:Exhaust Fan 1-2	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Exhaust Fan 1-2 (ON/OFF)		
249	Buffer Pass Unit:Cool Fan 3-4	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Cool Fan 3-4 (ON/OFF)		
250	Buffer Pass Unit:Exhaust Fan 3-4	ENG	[0 or 1 / **0** / 1/step]
	Operation Check Mode for Buffer Pass Unit:Exhaust Fan 3-4 (ON/OFF)		

⇒

5805	**[Output Check]** ON and OFF buttons are displayed in this SP. The button which is selected reverses colors from white to black. After output check (ON) has completed, make sure to stop the execution (OFF).  When you close the SP and open it again, the button goes back to the first state.		
001	Heat Pipe Exhaust Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
002	Heat Pipe Exhaust Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
003	Controller Exhaust Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
004	Controller Exhaust Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

005	Controller Suction Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
006	Controller Suction Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
007	Development Exhaust Fan R/L:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
008	Development Exhaust Fan R/L:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
009	Heat Pipe Suction Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
010	Heat Pipe Suction Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
011	ImagingCooling Fan:Right	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
013	ImagingCooling Fan:Left	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
015	ITB Cooling Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
016	ITB Cooling Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
017	P Sensor Cooling Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
018	P Sensor Cooling Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
019	Fusing Paper Exit Exhaust Fan	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
021	Ozone Fan	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
023	Duplex Exhaust Fan Front:Full Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

024	Duplex Exhaust Fan Front:Half Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
025	Duplex Exhaust Fan Rear:Full Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
026	Duplex Exhaust Fan Rear:Half Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
027	Drive Exhaust Fan Left	ENG	[0 or 1 / **0** / 1/step]
	-		
029	Transfer Fusing Exharst Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
030	Transfer Fusing Exharst Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
031	IH Power Cooling Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
032	IH Power Cooling Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

033	PCU Fan R: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
034	PCU Fan R: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
035	PCU Fan L: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
036	PCU Fan L: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
037	Fus Press Roller Exhaust Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
039	PT Fan Front/Rear	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
041	HP Cooling Fan for Paper	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
042	Fus Press Roller Suction Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
043	Fus Press Roller Suction Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
044	IH Coil Cooling Fan:Full Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
045	IH Coil Cooling Fan:Half Spd	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
046	Dev Fan Y: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
047	Dev Fan Y: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
048	Dev Fan M: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
049	Dev Fan M: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

050	Dev Fan C: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
051	Dev Fan C: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
052	Dev Fan K: Full	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
053	Dev Fan K: Half	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
060	Toner Bottle Motor Y	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
061	Toner Bottle Motor M	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
062	Toner Bottle Motor C	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
063	Toner Bottle Motor K	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
064	Toner Feed Bottle Motor Y	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
065	Toner Feed Bottle Motor M	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
066	Toner Feed Bottle Motor C	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
067	Toner Feed Bottle Motor K	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
068	Used Toner Bottle Motor	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
069	Toner Discharge Motor	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
080	Y Drum Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

081	M Drum Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
082	C Drum Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
083	K Drum Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
084	Y Drum Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
085	M Drum Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
086	C Drum Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
087	K Drum Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

088	Y Drum Motor: Middle-Low Speed *D136 only	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
089	M Drum Motor: Middle-Low Speed *D136 only	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
090	C Drum Motor: Middle-Low Speed *D136 only	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
091	K Drum Motor: Middle-Low Speed *D136 only	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
092	Y Drum Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
093	M Drum Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
094	C Drum Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
095	K Drum Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

096	Y DrumCln Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
097	M DrumCln Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
098	C DrumCln Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
099	K DrumCln Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
100	Y DrumCln Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
101	M DrumCln Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
102	C DrumCln Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
103	K DrumCln Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
104	Y DrumCln Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
105	M DrumCln Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
106	C DrumCln Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
107	K DrumCln Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
108	Y DrumCln Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
109	M DrumCln Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
110	C DrumCln Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

111	K DrumCln Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
112	Y Dev Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
113	M Dev Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
114	C Dev Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
115	K Dev Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
116	Y Dev Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
117	M Dev Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
118	C Dev Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
119	K Dev Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
120	Y Dev Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
121	M Dev Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
122	C Dev Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
123	K Dev Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
124	Y Dev Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
125	M Dev Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

126	C Dev Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
127	K Dev Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
128	ITB Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
129	ITB Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
⇒ 130	ITB Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
131	ITB Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
132	PTR Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
133	PTR Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
⇒ 134	PTR Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
135	PTR Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
136	ITB Lift(YMC)Motor:Attach	ENG	[0 or 1 / **0** / 1/step]
	Attachment Operation when executing		
137	ITB Lift(YMC)Motor:Detach	ENG	[0 or 1 / **0** / 1/step]
	Attachment Operation when executing		
138	PTR Lift Motor:Attach	ENG	[0 or 1 / **0** / 1/step]
	Attachment Operation when executing		
139	PTR Lift Motor:Detach	ENG	[0 or 1 / **0** / 1/step]
	Attachment Operation when executing		
140	Fuzing Motor: Normal Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
141	Fuzing Motor: Middle Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
⇒ 142	Fuzing Motor: Middle-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		

143	Fuzing Motor: Low Speed	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
150	Drawer Lock Motor:CW	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
151	Drawer Lock Motor:CCW	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
152	PCL_Y	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
153	PCL_M	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
154	PCL_C	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
155	PCL_K	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
160	Tray 1 PickUp SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

161	Tray 2 PickUp SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
162	Tray 3 PickUp SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
163	Tray 4 PickUp SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
164	Bypass Pickup SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
165	Exit/Inverter JG SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
166	1st Left Tray Lock SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
167	Tray 1 Rear Side Fence SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
168	Duplex Inverter SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
175	Feed Tray 1 LED	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

176	Feed Tray 2 LED	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
177	Feed Tray 3 LED	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
178	Feed Tray 4 LED	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
179	Vertical Transport Door LED	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
180	Bypass Door LED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		
181	Paper Exit Upper Guide Board LED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		
182	Paper Exit Left Guide Board LED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		
183	PurgeSecLowerGuideBoardLED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		

184	PurgeSecUpperGuideBoardLED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		
185	Horizontal Transport Guide Board LED	ENG	[0 or 1 / **0** / 1/step] ON: Lighting OFF: Extinction
	Executes OUTPUT Check.		
186	Main Unit LED-SW Left (LED)	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
187	Main Unit LED-SW Right (LED)	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
188	Lower Left Door LED	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
189	RegistUpperGuideBoardLED	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
190	Fusing Guide Board LED	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
191	Main Unit Drawer LED	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)

	Beware that long hours of operation may occur breakdown.		
192	Lubricant Near-End SW Power Control	ENG	[0 or 1 / **0** / 1/step] 1:ON(Active) 0:OFF(Stop)
	Beware that long hours of operation may occur breakdown.		
193	Duplex Exhaust Fan Middle Full Speed	ENG	[0 or 1 / **0** / 1/step]
	-		
194	Duplex Exhaust Fan Middle Half Speed	ENG	[0 or 1 / **0** / 1/step]
	-		

5806	**[Output Check]**		
001	Feed Mtr 1:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
002	Feed Mtr 1:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 003	Feed Mtr 1:Feed Speed1:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
004	Feed Mtr 1:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

005	Feed Mtr 1:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
006	Feed Mtr 1:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
007	Feed Mtr 1:Feed Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
⇒	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
008	Feed Mtr 1:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
009	Feed Mtr 2:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
010	Feed Mtr 2:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
011	Feed Mtr 2:Feed Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
⇒	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
012	Feed Mtr 2:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]

	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
013	Feed Mtr 2:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
014	Feed Mtr 2:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 015	Feed Mtr 2:Feed Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
016	Feed Mtr 2:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
017	Feed Mtr 3:Feed Speed3:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
018	Feed Mtr 3:Feed Speed3:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 019	Feed Mtr 3:Feed Speed3:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

020	Feed Mtr 3:Feed Speed3:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
021	Feed Mtr 3:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
022	Feed Mtr 3:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 023	Feed Mtr 3:Feed Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
024	Feed Mtr 3:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
025	Feed Mtr 4:Feed Speed4:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
026	Feed Mtr 4:Feed Speed4:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 027	Feed Mtr 4:Feed Speed4:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]

	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
028	Feed Mtr 4:Feed Speed4:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
029	Feed Mtr 4:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
030	Feed Mtr 4:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 031	Feed Mtr 4:Feed Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
032	Feed Mtr 4:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
033	Transport Mtr1:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
034	Transport Mtr1:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

035	Transport Mtr1:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
036	Transport Mtr1:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
037	Transport Mtr1:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
038	Transport Mtr1:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
039	Transport Mtr1:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
040	Transport Mtr1:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
041	Transport Mtr2:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
042	Transport Mtr2:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]

	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
043	Transport Mtr2:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
044	Transport Mtr2:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
045	Transport Mtr2:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
046	Transport Mtr2:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
047	Transport Mtr2:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
048	Transport Mtr2:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
049	Transport Mtr3:Feed Speed3:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

050	Transport Mtr3:Feed Speed3:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 051	Transport Mtr3:Feed Speed3: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
052	Transport Mtr3:Feed Speed3:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
053	Transport Mtr3:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
054	Transport Mtr3:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 055	Transport Mtr3:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
056	Transport Mtr3:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

057	Transport Mtr4:Feed Speed3:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
058	Transport Mtr4:Feed Speed4:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
059	Transport Mtr4:Feed Speed4: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
060	Transport Mtr4:Feed Speed4:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
061	Transport Mtr4:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
062	Transport Mtr4:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
063	Transport Mtr4:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

064	Transport Mtr4:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
065	Relay Mtr:CW:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
066	Relay Mtr:CW:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 067	Relay Mtr:CW:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
068	Relay Mtr:CW:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
069	Relay Mtr:CW:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
070	Relay Mtr:CW:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

071	Relay Mtr:CW:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
⇒	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
072	Relay Mtr:CW:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
073	Relay Mtr:CCW:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
074	Relay Mtr:CCW:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
075	Relay Mtr:CCW:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
⇒	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
076	Relay Mtr:CCW:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
077	Relay Mtr:CCW:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

078	Relay Mtr:CCW:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
079	Relay Mtr:CCW:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
080	Relay Mtr:CCW:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
081	Relay Mtr:Position Hold Stop	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
082	Registration Mtr:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
083	Registration Mtr:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
084	Registration Mtr:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

085	Registration Mtr:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
086	Registration Mtr:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
087	Registration Mtr:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 088	Registration Mtr:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
089	Registration Mtr:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
090	Registration Mtr:Position Hold Stop	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
091	Bypass Feed Mtr:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

	092	Bypass Feed Mtr:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
		Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒	093	Bypass Feed Mtr:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
		This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
	094	Bypass Feed Mtr:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
		Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
	095	Bypass Feed Mtr:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
		Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
	096	Bypass Feed Mtr:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
		Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒	097	Bypass Feed Mtr:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
		This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
	098	Bypass Feed Mtr:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
		Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

103	Inverter Ent Mtr:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
104	Inverter Ent Mtr:Exit Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
105	Inverter Ent Mtr:Exit Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
106	Inverter Ent Mtr:Exit Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
107	Inverter Ent Mtr:Exit Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
108	Inverter Ent Mtr:Exit Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
109	Inverter Ent Mtr:Exit Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

110	Inverter Ent Mtr:Exit Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
111	Exit/Inverter Mtr:CW:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
112	Exit/Inverter Mtr:CW:Exit Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 113	Exit/Inverter Mtr:CW:Exit Spd1: Mid-Low Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
114	Exit/Inverter Mtr:CW:Exit Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
115	Exit/Inverter Mtr:CWW:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
116	Exit/Inverter Mtr:CWW:Exit Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

117	Exit/Inverter Mtr:CWW:Exit Spd1: Mid-Low Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
118	Exit/Inverter Mtr:CWW:Exit Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
119	Exit/Inverter Mtr:CW:Exit Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
120	Exit/Inverter Mtr:CW:Exit Speed2: Mid Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
121	Exit/Inverter Mtr:CW:Exit Spd2:Mid-Low Spd	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
122	Exit/Inverter Mtr:CW:Exit Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
123	Exit/Inverter Mtr:CWW:Exit Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

124	Exit/Inverter Mtr:CWW:Exit Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 125	Exit/Inverter Mtr:CWW:Exit Spd2: Mid-Low Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
126	Exit/Inverter Mtr:CWW:Exit Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
127	Exit/Inverter Mtr: Position Hold	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
128	Exit Mtr:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
129	Exit Mtr:Exit Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 130	Exit Mtr:Exit Speed1:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
131	Exit Mtr:Exit Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

132	Exit Mtr:Exit Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
133	Exit Mtr:Exit Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
134	Exit Mtr:Exit Speed2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
135	Exit Mtr:Exit Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
136	Duplex/Inverter Mtr:CW:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
137	Duplex/Inverter Mtr:CW:Exit Spd1:Mid Spd	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
138	Duplex/Inverter Mtr:CW:Exit Spd1:Mid-Low Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

139	Duplex/Inverter Mtr:CW:Exit Spd1:CW:Low Spd	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
140	Duplex/Inverter Mtr:CW:Dup Speed:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
141	Duplex/Inverter Mtr:CW:Dup Speed:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 142	Duplex/Inverter Mtr:CW:Mid: DupSpd:Mid-LowSpd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
143	Duplex/Inverter Mtr:CW:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
144	Duplex/Inverter Mtr:Exit Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
145	Duplex/Inverter Mtr:Exit Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

146	Duplex/Inverter Mtr:Exit Spd1: Mid-Low Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
⇒	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
147	Duplex/Inverter Mtr:Exit Spd1:CWW:Low Spd	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
148	Duplex/Inverter Mtr:CW:Dup Speed:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
149	Duplex/Inverter Mtr:CWW:Dup Speed:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 150	Duplex/Inverter Mtr:CWW: Mid: DupSpd:Mid-LowSp ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
151	Duplex/Inverter Mtr:CWW:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
152	Duplex/Inverter Mtr:Hold	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

153	Duplex Feed Mtr:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
154	Duplex Feed Mtr:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
155	Duplex Feed Mtr:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
156	Duplex Feed Mtr:Feed Speed1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
157	Duplex Feed Mtr:Feed Speed2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
158	Duplex Feed Mtr:Feed Speed2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
159	Duplex Feed Mtr:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

160	Duplex Feed Mtr:Feed Speed2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
161	Duplex Feed Mtr:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
162	Duplex Feed Mtr:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 163	Duplex Feed Mtr:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
164	Duplex Feed Mtr:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
165	Duplex Feed Mtr (Hold)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
166	Duplex Exit Mtr:Feed Speed1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
167	Duplex Exit Mtr:Feed Speed1:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

168	Duplex Exit Mtr:Feed Speed1: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
169	Duplex Exit Mtr:Feed Speed1::Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
170	Duplex Exit Mtr:Feed Speed2::Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
171	Duplex Exit Mtr:Feed Speed2::Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
172	Duplex Exit Mtr:Feed Speed2: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
173	Duplex Exit Mtr:Feed Speed2::Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
174	Duplex Exit Mtr:Feed Speed:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

175	Duplex Exit Mtr:Feed Speed:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 176	Duplex Exit Mtr:Feed Speed: Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
177	Duplex Exit Mtr:Feed Speed:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
178	Tray 1 Lift Motor: (Up: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
179	Tray 1 Lift Motor: (Down: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
180	Tray 2 Lift Motor: (Up: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
181	Tray 2 Lift Motor: (Down: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
182	Tray 3 Lift Motor: (Up: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

183	Tray 3 Lift Motor: (Down: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
184	Tray 4 Lift Motor: (Up: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
185	Tray 4 Lift Motor: (Down: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
186	Tandem Tray Transport Motor (Rev: 1s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
187	Tandem Tray Transport Motor (Fwd: 1 s)	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
188	Exit/Inverter JG SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
189	Exit/Inverter JG SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
190	Exit/Inverter JG SOL	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

191	Shift Roller Motor1:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
192	Shift Roller Motor1:Mid Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
193	Shift Roller Motor1:Mid-Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
194	Shift Roller Motor1:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
195	Shift Roller Motor1:Homing	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
196	Shift Roller Motor2:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
197	Shift Roller Motor2:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
198	Shift Roller Motor2:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		

199	Shift Roller Motor2:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
200	Shift Roller Motor2:Homing	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
201	Sensor Shift Motor:Std Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
202	Sensor Shift Motor:Mid Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
⇒ 203	Sensor Shift Motor:Mid-Low Speed ***D136 only**	ENG	[0 or 1 / **0** / 1/step]
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
204	Sensor Shift Motor:Low Speed	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
205	Sensor Shift Motor:Homing	ENG	[0 or 1 / **0** / 1/step]
	Operates load for Motors and SOL etc. Pay attention to ON time due to forced load-ON.		
206	Bypass Bottom Plate Lift Motor: Up	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF(Stop)
	Beware that long hours of operation may occur breakdown.		

207	Bypass Bottom Plate Lift Motor: Down	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
210	Charge DC Voltage: Bk	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
211	Charge DC Voltage: C	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
212	Charge DC Voltage: M	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
213	Charge DC Voltage: Y	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
214	Charge AC Voltage: Bk	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		

215	Charge AC Voltage: C	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
216	Charge AC Voltage: M	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
217	Charge AC Voltage: Y	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
218	Development Bias: Bk	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
219	Development Bias: C	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
220	Development Bias: M	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		

221	Development Bias: Y	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
222	Primary Transfer :K	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
223	Primary Transfer :C	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
224	Primary Transfer :M	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
225	Primary Transfer :Y	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
226	Secondary Transfer :+	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		

227	Secondary Transfer :-	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
228	Secondary Transfer :AC	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
229	Secondary Transfer :DC	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
230	Paper Separation: AC	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
231	Paper Separation: DC	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
235	Refresh Roller Drive Motor:CW	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
236	Refresh Roller Drive Motor:CCW	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		

237	Refresh Roller Lift Motor:Attach	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Attachment Operation when executing		
238	Refresh Roller Lift Motor:Detach	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Attachment Operation when executing		
239	Web Cleaning Lift Motor:Attach	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Attachment Operation when executing		
240	Web Cleaning Lift Motor:Detach	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Attachment Operation when executing		
241	Web Cleaning Drive Motor:CC	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
242	Web Cleaning Drive Motor:CCW	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
243	Decurl Cooling Fan	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		

244	Decurler LED	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
245	Decurl Pressure SW STM	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
246	Decurl Transfer STM:Std Spd	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
247	Decurl Transfer STM:Mid Spd	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
⇒ 248	Decurl Transfer STM:MidLow Spd ***D136 only**	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	This SP is only for D136 machine. Executing this SP on D135/D137/D138 machines may cause SC error. Beware that long hours of operation may occur breakdown.		
249	Decurl Transfer STM:Low Spd	ENG	[0 or 1 / **0** / 1/step] 1: ON (Active) 0: OFF (Stop)
	Beware that long hours of operation may occur breakdown.		
250	Decurler:Press Motor	ENG	[0 or 1 / **0** / 1/step]

6012	[1-Pass ADF OUTPUT Check]		
001	Pick-Up Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Pick-Up Motor forward.		
003	Feed Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Feed Motor forward.		
005	Relay Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Relay Motor forward.		
009	Exit Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Exit Motor forward.		
010	Bottom Plate Motor For/Rev	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Bottom Plate Motor forward/in reverse and moves Bottom Plate up and down.		
012	Stamp	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes stamping of Stamp.		
015	Pull-Out Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving Pull-Out Motor Forward.		

016	Middle Motor Forward	ENG	[0 or 1 / **0** / 1/step] 0:Off 1:On
	Executes driving ADF Middle Motor Forward.		

6124	**[OUTPUT Check: 2K/3K FIN]**		
001	Entrance Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
002	Horizontal Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
003	Pre-Stack Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
004	ITB Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
005	Exit Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
006	Upper Junction Solenoid	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
007	TE Stack Plate Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
008	Paper Exit Open/Close Guide Plate Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
009	Punching Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
010	Punch Move Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		

011	S-to-S Registration Detection Move Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
012	Lower Junction Solenoid Moto	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
013	Jogger Motorc	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
014	Positioning Roller Rotation Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
015	Stack Feed-out Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
016	Booklet Stapler Move Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
017	Corner Stapler Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
018	Booklet Stapler Side Fence Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
019	Booklet Stapler Jog Solenoid Move Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
020	Booklet Stapler Standard Fence Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
021	Booklet Stapler Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		

022	Dynamic Roller Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
023	Folder Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
025	Press-fold Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
026	Tray Lift Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
027	Shift Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
028	Front Shift Jogger Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
029	Rear Shift Jogger Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
030	Shift Jogger Retraction Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
031	Drag Roller Vibrating Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
032	LE Guide Motor	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		
033	Navigation LED (All)	ENG	[0 or 1 / **0** / 1/step]
	Operates the specified motor for a certain period of time for operation check.		

6148	[FIN OUTPUTCheck 3KFIN(100Bind)]		
001	Upper Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Upper Transport Motor (Continuous operation)		
002	Shift Exit M:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Shift Exit Motor (Continuous operation)		
003	Upper Tray JG Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Upper Tray JG Motor (Continuous operation)		
004	Tray Lift Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Tray Lift Motor (One operation)		
005	Jogger Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Jogger Motor (One operation)		
006	Stapler Front/Rear Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler Front/Rear Motor (One operation)		
007	Stapler Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler Motor (One operation)		
008	Punch Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Punch Motor (One operation)		
009	Stapler JG Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler JG Motor (Continuous operation)		
010	Stp Hammer Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler Hammer Motor (One operation)		
011	Feed Out M:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Feed Out Motor (One operation)		
012	Tray Shift Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Tray Shift Motor (One operation)		

013	Stapler Rotation Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler Rotation Motor (One operation)		
014	Stp Exit M:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Stapler Exit Motor (Continuous operation)		
015	Open Exit Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Open Exit Motor (One operation)		
016	Fold Plate Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Fold Plate Motor (One operation)		
017	Prestack JG Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Prestack JG Motor (Continuous operation)		
018	Prestack Stop Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Prestack Stop Motor (Continuous operation)		
019	Fold M:Front:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Fold Front Motor (One operation)		
020	Fold M:Back:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Fold Back Motor (One operation)		
021	Return Drv Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Return Drive Motor (One operation)		
022	Return TransM:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Return Transport Motor (Continuous operation)		
023	Shift Jog Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Shift Jogger Motor (One operation)		
024	Shift Jog Shunt Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Shift Jogger Shunt Motor (One operation)		
025	Top Fence Motor:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Top Fence Motor (One operation)		

026	Bottom Fence Motor:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Bottom Fence Motor (One operation)		
027	Lower Transport Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Lower Transport Motor (Continuous operation)		
028	Upper Tray Exit Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Upper Tray Exit Motor (Continuous operation)		
029	Positioning Roller Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Positioning Roller Motor (Continuous operation)		
030	Prestack Trans Mtr:Cont	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Prestack Transport Motor (Continuous operation)		
031	Staple Trim Chute SOL:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check for Staple Trim Chute SOL (One operation)		

6161	**[OUTPUT Check Print Post]**		
001	Vert Transport Motor	ENG	[0 or 1 / **0** / 1/step]
	Drives Transport Motor continuously for operation check.		
002	Junction Gate SOL1	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
003	Turn Gate SOL1	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
004	Turn Gate SOL2	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
005	Turn Gate SOL3	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
006	Turn Gate SOL4	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.v		

007	Turn Gate SOL5	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
008	Turn Gate SOL6	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
009	Turn Gate SOL7	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		
010	Turn Gate SOL8	ENG	[0 or 1 / **0** / 1/step]
	Turns the specified Solenoid ON/OFF for operation check.		

6171	**[OUTPUT Check Slide Sort Tray]**		
001	Transport Motor:Continuous	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Transport Motor		
002	Transport Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Transport Motor		
003	Shift Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Shift Motor		
004	Tray Lift Motor:Up	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Tray Lift Motor (Up)		
005	Tray Lift Motor:Down	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Tray Lift Motor (Down)		
006	Tray Lift Moter:1 Op	ENG	[0 or 1 / **0** / 1/step]
	OUTPUT Check operation for Tray Lift Motor (One operation)		

6310	**[Output Check]**		
	OUTPUT Check operation.		
001	Horizontal Transport Motor	ENG	[0 or 1 / **0** / 1/step]

002	Top Tray Transport Motor	ENG	[0 or 1 / **0** / 1/step]
003	Top Tray Exit Motor	ENG	[0 or 1 / **0** / 1/step]
004	Dynamic Roller Transport Motor	ENG	[0 or 1 / **0** / 1/step]
005	Registration Roller Transport Motor	ENG	[0 or 1 / **0** / 1/step]
007	Entrance JG Motor	ENG	[0 or 1 / **0** / 1/step]
008	1st Stopper Motor	ENG	[0 or 1 / **0** / 1/step]
009	2nd Stopper Motor	ENG	[0 or 1 / **0** / 1/step]
010	3rd Stopper Motor	ENG	[0 or 1 / **0** / 1/step]
011	Dynamic Roller Lift Motor	ENG	[0 or 1 / **0** / 1/step]
012	Registration Roller Release Motor	ENG	[0 or 1 / **0** / 1/step]
013	Fold Plate Motor	ENG	[0 or 1 / **0** / 1/step]
014	Jogger Fence Motor	ENG	[0 or 1 / **0** / 1/step]
016	Direct-Send JG Motor	ENG	[0 or 1 / **0** / 1/step]
017	FM6 Pawl Motor	ENG	[0 or 1 / **0** / 1/step]
018	1st Fold Motor	ENG	[0 or 1 / **0** / 1/step]
019	2nd Fold Motor	ENG	[0 or 1 / **0** / 1/step]
020	Crease Motor	ENG	[0 or 1 / **0** / 1/step]
021	Bypass JG Solenoid	ENG	[0 or 1 / **0** / 1/step]
022	Exit JG Solenoid	ENG	[0 or 1 / **0** / 1/step]
023	Top Tray JG Solenoid	ENG	[0 or 1 / **0** / 1/step]
024	LE Stop Pawl Solenoid	ENG	[0 or 1 / **0** / 1/step]
025	Reverse JG Solenoid	ENG	[0 or 1 / **0** / 1/step]
026	Horizontal Exit Motor	ENG	[0 or 1 / **0** / 1/step]

6401	[Cvr Inserter Output Check]		
	-		
001	OFF (Stop)	ENG	[0 or 1 / **0** / 1/step]
002	1st Pick-up Motor	ENG	[0 or 1 / **0** / 1/step]
003	2nd Pick-up Motor	ENG	[0 or 1 / **0** / 1/step]
004	1st Paper Feed Motor	ENG	[0 or 1 / **0** / 1/step]
005	2nd Paper Feed Motor	ENG	[0 or 1 / **0** / 1/step]
006	1st Transport Motor	ENG	[0 or 1 / **0** / 1/step]
007	2nd Transport Motor	ENG	[0 or 1 / **0** / 1/step]
008	Vertical Transport Motor	ENG	[0 or 1 / **0** / 1/step]
009	Horizontal Transport Motor	ENG	[0 or 1 / **0** / 1/step]

PRINTER SP MODE

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

8. PRINTER SP MODE

8.1 SP1-XXX

1001	[Bit Switch]			
001	Bit Switch 1 Settings		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	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	**DFU**	-	-

1001	[Bit Switch]			
002	Bit Switch 2 Settings		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 explicitly 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 6	**Switch dither**	**Use normal dither**	Use alternative dither
		*Please refer to RTB#RD014018		
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
003	Bit Switch 3 Settings		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 Settings		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]			
005	Bit Switch 5 Settings		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 the function, 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 switch 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 switch 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. Pattern3: includes most PS commands. Pattern1: A small number of PS tags and headers		
	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.		
	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 Settings		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 Settings		0	1
	bit 0	**Print path**	**Disabled**	Enabled
		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 Settings		0	1
	bit 0	DFU	-	-
	bit 1	DFU	-	-
	bit 2	DFU	-	-
	bit 3	**[PCL,PS]: Allow BW jobs to print without requiring User Code**	**Disabled**	Enabled (allow BW jobs to print without a user code)
		BW jobs submitted without a user code will be printed even if user code authentication is enabled. **Note:** Color jobs will not be printed without a valid user code.		
	bit 4	DFU	-	-
	bit 5	DFU	-	-
	bit 6	**PCL, RPCS, PS: Forced BW print**	**Enabled**	Disabled
		Switches whether to ignore PDL color command.		
	bit 7	**[PDF]: Orientation Auto Detect Function**	**Enabled**	Disabled
		Automatically chooses page orientations of PDF jobs (Landscape or Portrait) based on the content.		

1001	[Bit Switch]			
009	Bit Switch 9 Settings		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 auto-detection 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	**PCL/PS bypass tray paper rotation (SEF/LEF)**	**Disabled**	Enabled
		This bitsw causes the device to revert to the behavior of previous generations. It only takes effect if "Bypass Tray Setting Priority" = "Driver/Command". Previous spec (bitsw=1): If a standard sized paper mismatch occurred in the bypass tray, the MFP always prompted for SEF paper. If this bitsw=0 (default) then in the event of a standard sized paper mismatch, the MFP will always prompt for paper of the rotation (SEF/LEF) determined by the MFP bypass tray paper setting or by the bypass tray sensor.		
	bit 4	**Timing of the PJL Status ReadBack (JOB END) when printing multiple collated copies.**	**Disable**	Enable
		This switch 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 switch is enabled (=0).		
	bit 6	**Disable super option**	**Enabled**	Disabled
		Switches super option disable on / off. If 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 Settings		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 Settings		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	DFU	-	-
	bit 3	DFU	-	-
	bit 4	DFU	-	-

	bit 5	DFU	-	-
	bit 6	DFU	-	-
	bit 7	DFU	-	-

1001	**[Bit Switch]**			
012	Bit Switch C Settings		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	-	-

1003	**[Clear Setting]**		
001	Initialize Printer System	*CTL	[- / **-** / -] [Execute]
	Initializes settings in the "System" menu of the user mode.		
003	Delete Program	*CTL	[- / **-** / -] [Execute]

1004	**[Print Summary]**		
	Prints the service summary sheet (a summary of all the controller settings).		
001	Print Printer Summary	*CTL	[- / **-** / -] [Execute]

1005	[Display Version]		
002	-	*CTL	[- / **-** / -]
	Displays the version of the controller firmware.		

1006	[Sample/Locked Print]		
001	0:Link with Doc. Srv 1:Enable	*CTL	[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.		

1101	[Data Recall]		
	Recalls a set of gamma settings. This can be either a) the factory setting, b) the previous setting, or c) the current setting.		
001	Factory	*CTL	[- / **-** / -] [Execute]
002	Previous	*CTL	
003	Current	*CTL	
004	ACC	*CTL	

1102	**[Resolution Setting]**		
	Selects the printing mode (resolution) for the printer gamma adjustment.		
001	Tone Control Mode Selection	CTL	[0 to 9 / **0** / 1/step] 0: 1200x1200 Photo (2bit/4col) 1: 1200x1200 Photo (1bit/4col) 2: 600x600 Photo (4bit/4col) 3: 600x600 Photo (2bit/4col) 4: 600x600 Photo (1bit/4col) 5: 1200x1200 Text (2bit/4col) 6: 1200x1200 Text (1bit/4col) 7: 600x600 Text (4bit/4col) 8: 600x600 Text (2bit/4col) 9: 600x600 Text (1bit/4col)

1103	**[Test Page]**		
	Prints the test page to check the color balance before and after the gamma adjustment.		
001	Color Gray Scale	CTL	[- / **-** / -] [Execute]
002	Color Pattern	CTL	

1104	**[Gamma Adjustment]**		
	Adjusts the printer gamma for the mode selected in the "Mode Selection" menu.		
001	Black: Highlight	CTL	[0 to 30 / **0** / 1/step]
002	Black: Shadow	CTL	
003	Black: Middle	CTL	
004	Black: IDmax	CTL	
021	Cyan: Highlight	CTL	[0 to 30 / **0** / 1/step]
022	Cyan: Shadow	CTL	
023	Cyan: Middle	CTL	
024	Cyan: IDmax	CTL	
041	Magenta: Highlight	CTL	[0 to 30 / **0** / 1/step]
042	Magenta: Shadow	CTL	
043	Magenta: Middle	CTL	
044	Magenta: IDmax	CTL	
061	Yellow: Highlight	CTL	[0 to 30 / **0** / 1/step]
062	Yellow: Shadow	CTL	
063	Yellow: Middle	CTL	
064	Yellow: IDmax	CTL	

1105	**[Save Tone Control Value]**		
	Stores the print gamma adjusted with the "Gamma Adj." menu item as the current setting. Before the machine stores the new "current setting", it moves the data currently stored as the "current setting" to the "previous setting" memory storage location.		
001	Save Tone Control Value	*CTL	[- / **-** / -] [Execute]

1106	**[Toner Limit]**		
	Adjusts the maximum toner amount for image development.		
001	Toner Limit Value	*CTL	[0 to 400 / **0** / 1 %/step]

1110	**[Media Print Device Setting]**		
	Selects the setting for the media print device.		
002	0: Disable 1: Enable	*CTL	[0 or 1 / **1** / 1 / step]

1111	**[All Job Delete Mode]**		
001	0:excluding New Job 1:including New Job	*CTL	[0 or 1 / **1** / 1 / step] 0: Excluding New Job 1: Including New Job
	Selects whether to include an image processing job in jobs subject to full cancellation from the SCS job list.		

SCANNER SP MODE

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

9. SCANNER SP MODE

9.1 SP1-XXX

1001	**[Scan Nv Version]**		
	Displays the scanner firmware version stored in NVRAM in a 9-digit format: Func. Name_Model Name_History No.		
005	-	*CTL	[- / **-** / -]

1005	**[Erase Margin(Remote scan)]**		
	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.		
001	Range from 0 to 5 mm	*CTL	[0 to 5 / **0** / 1 mm / step]

1009	**[Remote scan disable]**		
001	-	*CTL	[0 or 1 / **0** / 1 / step] 0: ON (enabled) 1: OFF (disabled)
	This SP switches the TWAIN scanner function on/off. This is one of the scanner application functions.		

1010	**[Non Display Clear Light PDF]**		
001	-	*CTL	[0 or 1 / **0** / 1 / step] 0: Display, 1: No display
	Display or Non display remote scan.		

1011	[Org Count Display]		
001	-	*CTL	[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]		
001	-	*CTL	[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	[Multi Media Function]		
002	-	*CTL	[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	[-]		
001	-	*CTL	[0 or 1 / **0** / 1 / step] 0: Disable 1: Enable
	Enables / Disables to input password for Scan To Folder.		

1041	[Scanner FlairAPI Function Setting]		
001	-	*CTL	* see BitSwitch below:
	Sets Scanner FlairAPI Function enable / disable. This SP is set by BitSwitch and needs to reboot the machine after making changes.		

bit	Setting	meanings		Description
		0	1	
bit 0	Start of FlairAPI Server	**Off (Do not Start)**	On (Start)	Sets whether to start exclusive FlairAPI http server. If it is 0, scanning FlairAPI function and simple UI function will be disabled. The machine installed Android operating panel option, set “1”, others set “0”.
bit 1	Access permission of FlairAPI from outside of the machine	**Disabled**	Enabled	If it is “0”, accessing is limited from the machine only, such as operating panel, SDK/J, MFP browsers etc… If it is “1”, accessing is allowed from outside of FlairAPI such as PC, Remote UI, IT-Box etc…
bit 2	Reserved	-	-	-
bit 3	Reserved	-	-	-

bit 4	Simple UI Function	**Disabled**	Enabled	If it is “1”, the machine can be used Scanner Simple UI. If it is “0”, requesting URL of Simple UI returns “404 Not Found”
bit 5	Accessing permission of Simple UI from outside of the machine	**Disabled**	Enabled	If it is “0”, accessing is limited from the machine only (operating panel and MFP browser). If it is “1”, accessing is allowed from outside of Simple UI such as PC, mobile devices, and so on.
bit 6	Reserved	-	-	-
bit 7	Reserved	-	-	-

9.2 SP2-XXX (SCANNING-IMAGE QUALITY)

2021	**[Compression Level (Gray-scale)]**		
	Selects the compression ratio for grayscale processing mode (JPEG) for the five settings that can be selected at the operation panel.		
001	Comp1:5-95	*CTL	[5 to 95 / **20** / 1 / step]
002	Comp2:5-95	*CTL	[5 to 95 / **40** / 1 / step]
003	Comp3:5-95	*CTL	[5 to 95 / **65** / 1 / step]
004	Comp4:5-95	*CTL	[5 to 95 / **80** / 1 / step]
005	Comp5:5-95	*CTL	[5 to 95 / **95** / 1 / step]

2024	**[Compression ratio of ClearLight PDF]**		
	Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.		
001	Compression Ratio (Normal image)	*CTL	[5 to 95 / **20** / 1 / step]
002	Compression Ratio (High)	*CTL	[5 to 95 / **20** / 1 / step]

2025	**[Compression ratio of ClearLightPDF JPEG2000]**		
	Selects the compression ratio for clearlight PDF for the two settings that can be selected at the operation panel.		
001	Compression Ratio (Normal) JPEG2000	*CTL	[5 to 95 / **20** / 1 / step]
002	Compression Ratio (High) JEPG2000	*CTL	[5 to 95 / **20** / 1 / step]

2030	**[-]**		
001	Level5:	*CTL	[0 to 255 / **250** / 1 / step]
002	Level5:	*CTL	[0 to 100 / **80** / 1 / step]
003	Level5:	*CTL	[0 to 100 / **80** / 1 / step]

9001	**[BitSwitch]**		
	Sets module debug output mode.		
001	cmm	*CTL	[0 to 255 / **0** / by a factor of two]
002	jcm	*CTL	[0 to 255 / **0** / by a factor of two]
003	ucm	*CTL	[0 to 255 / **0** / by a factor of two]
004	rsp	*CTL	[0 to 255 / **0** / by a factor of two]
005	rsp2	*CTL	[0 to 255 / **0** / by a factor of two]
006	nas	*CTL	[0 to 255 / **0** / by a factor of two]
007	miw	*CTL	[0 to 255 / **0** / by a factor of two]
008	mib	*CTL	[0 to 255 / **0** / by a factor of two]
009	itm	*CTL	[0 to 255 / **0** / by a factor of two]

UPDATING THE FIRMWARE

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

10. UPDATING THE FIRMWARE

10.1 SOFTWARE UPDATE

10.1.1 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

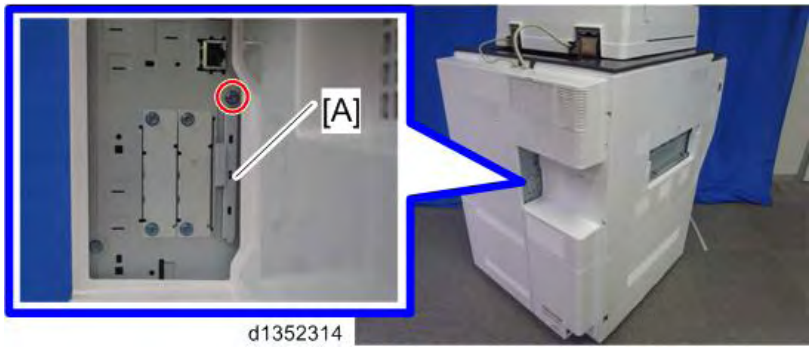
Important

- 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.

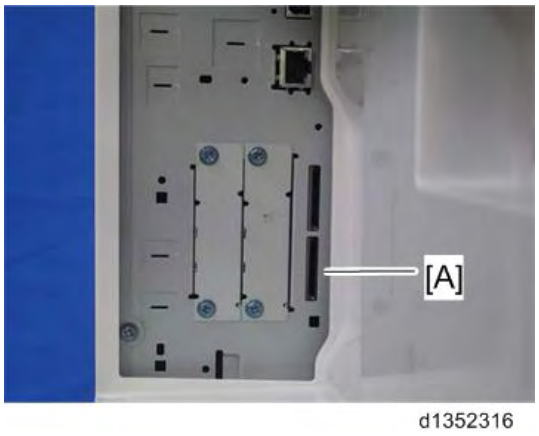
10.1.2 DOING THE SOFTWARE UPDATE PROCEDURE

An SD card with the software downloaded to it is necessary for this procedure.

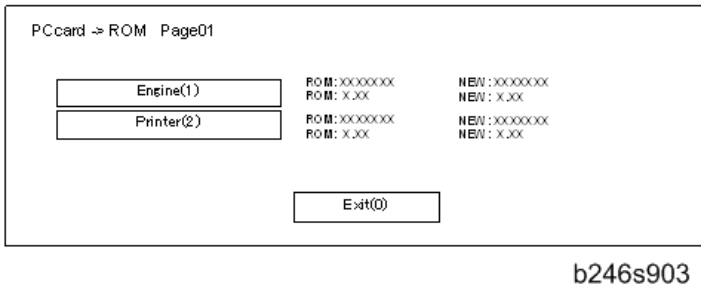
1. Turn the main switch off.
2. Remove the SD card slot cover [A] (x 1).



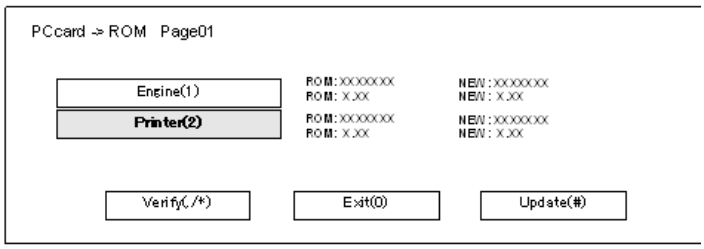
3. Hold the SD card (the surface with printing must be away from the front of the machine), and install the SD card in slot 2 [A].



4. Turn the main power switch on.
5. Stop until the version update screen is displayed. If the SD card contains more than one software application, the screen will be almost the same as the one below. The screen below shows that the SC card contains two applications: "Engine" and "Printer".



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.

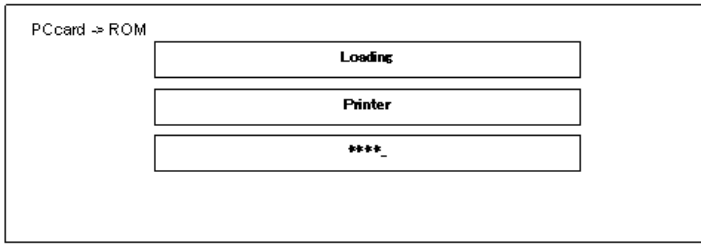


b246s904

- 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.

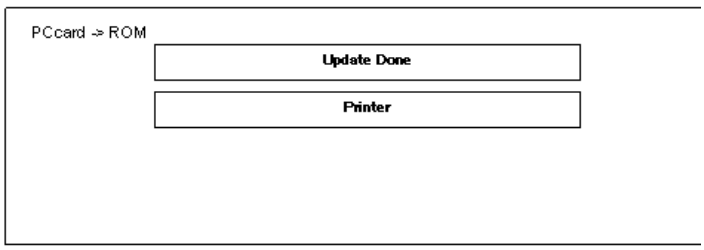
7. With the selected items shown in reverse color, push the [Update] button or the [#] key on the operation panel to start the update.

   After you push [Update]:



b246s905

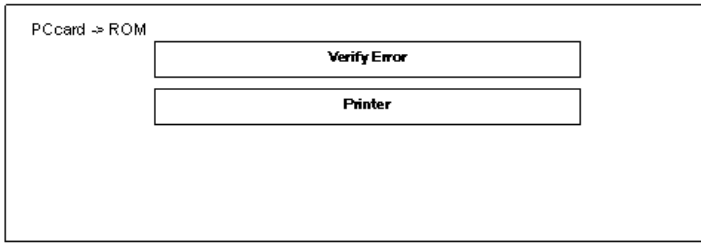
- The middle bar shows the name of the module that the machine updates at this time. (The example above shows that the machine updates the "Printer" module at this time.)
- The bottom bar is a progress bar. The "_" marks in the progress bar are replaced by "*" marks. This progress bar cannot be displayed 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.
- When the update is completed, you will see this screen.



b246s906

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).

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.



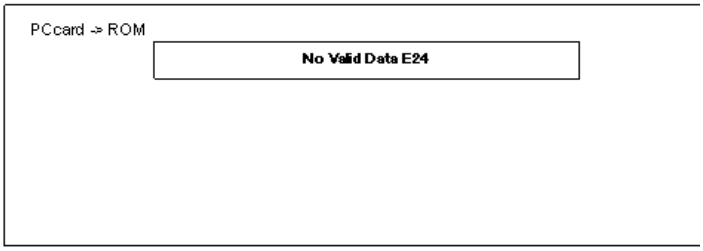
b246s907

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.

10.1.3 ERRORS DURING FIRMWARE UPDATE



b246s908

If an error occurs during a download, an error message will appear. The error code consists of the letter "E" and a number ("E20", 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.
31	Data incorrect for continuous download	Install the SD card with the remaining data necessary for the download, then re-start the procedure.
32	Data incorrect after download interrupted	Do the recovery procedure for the module, then repeat the installation procedure.
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.
44	Controller module download failed	Replace the data for the module on the SD card and tray 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.

10.1.4 UPDATING THE LCDC FOR THE OPERATION PANEL

1. Use this procedure to update the LCDC (LCD Control Board).
2. Turn the copier main switch off.
3. Put the SD card into slot 2.
4. Turn the copier main switch on.
5. Stop until the card utility screen is displayed.
   After approximately 10 seconds, the initial screen opens in English.
6. Touch [Opepanel.DOM].
7. 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.
8. Turn the copier main power switch off, remove the SD card, then turn the copier on again.

10.1.5 DOWNLOADING STAMP DATA

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.

UPDATING JAVA VM

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11. UPDATING JAVA VM

11.1 CREATING AN SD CARD FOR UPDATING

1. Download the update modules from Firmware Download Center. As one of the model modules, "Java VM v11 UpdateTool" is available for download. (The version differs depending on the model.)
2. Unzip the downloaded file. Copy the whole "sdk" folder to the root of the SD card directly below.

Note

- When unzipping the downloaded file, two subfolders ("update" and "sdk") exist in the "sdk" folder. Rather than just copying the subfolder "sdk", copy the whole folder "sdk".

11.1.1 UPDATING PROCEDURE

⚠CAUTION

- SD card can be inserted with the machine power off.
- During the updating process, do not turn off the power.
- If you turn off the power during the updating, the machine performance is not guaranteed. (There is a possibility that an SC and boot failure occurs.)
- If you accidentally turn off the power during the updating, retry the updating procedure from the beginning. (If the update fails again, you will need to replace the controller board.)

1. If the boot priority application is set to the ESA application, switch to the copy application. ([System Settings]-[General Features]-[Function Priority])
2. Insert the SD card you created into the service slot, and then turn ON the main power switch.
3. After booting Java VM, update of the application is started. "Updating SDK/J" appears in the banner message of the touch panel display. (Estimated time: about 2 minutes)

4. When the update is complete, "Update SDK / J done SUCCESS" will appear in the banner message of the touch panel display. After turning off the power, remove the SD card from the slot.
   When you fail to update, "Update SDK/J done FAIL" is displayed. You can confirm the cause of the error message below.
5. Reconfigure the Heap size. ([Extended Feature Settings]-[Administrator Tools]-[Heap/Stack Size Settings]). See the manual for the ESA application to know what value to set for the heap size.
6. Return to the previous setting for the boot priority application.

11.1.2 LIST OF ERROR MESSAGES

Update results are output as a text file on the SD card called "sdkjversionup.log" in the "¥sdk ¥update" folder.

Result	File contents	Description of the output
Success	script file = /mnt/sd0/sdk/update/bootscript 2012/08/22 17:57:47 start 2012/08/22 17:59:47 end SUCCESS	Boot script path Boot scripts processing start time End time boot script processing, the results
Failure	script file = /mnt/sd0/sdk/update/bootscript 2012/08/22 17:57:47 start XXXX Error 2012/08/22 17:57:57 end FAIL	Boot script path Boot scripts processing start time Error message (Possibly multiple) End time boot script processing, the results

Error Message	Cause	Remedy
PIECEMARK Error,machine=XXXXX	Applied the wrong updating tool (Using the updating tool of a different model)	Use the correct updating tool for this model.
pasePut() - error : The file of the copy origin is not found Put Error!	Inadequacy with the SD card for updating (Files are missing in the updating tool)	Re-create the SD card for updating.
paseCopy() - error : The file of the copy origin is not found. Copy Error!	Inadequacy SD card for updating (Files in the updating tool are missing)	Inadequacy SD card for updating (Files in the updating tool are missing)
[file name: XX] error,No space left on device pasePut() - error : The destination directory cannot be made. pasePut() - error : fileCopy Error. Put Error!	Writing destination is full. (The NAND flash memory on the controller board is full.)	Uninstall the unnecessary SDK applications. If you can not uninstall it, implement escalation, stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
[file name: XX] error,No space left on device paseCopy() - error : The destination directory cannot be made. paseCopy() - error : fileCopy Error. Copy Error!	Writing destination is full. (The NAND flash memory on the controller board is full.)	Uninstall the unnecessary SDK applications. If you can not uninstall it, implement escalation stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file."
Put Error! *1	Error, not normally expected to occur	If you cannot uninstall it, implement escalation
Copy Error! *1		

Error Message	Cause	Remedy
Delete Error!		stating the "model name, application configuration, SMC sheet (SP5-990-006/024/025), and error file." *1 Without the foregoing error message, only "Put Error / Copy Error" will be displayed
[XXXXX] is an unsupported command.		
Version Error		

NVRAM DATA UPLOAD/DOWNLOAD

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12. NVRAM DATA UPLOAD/DOWNLOAD

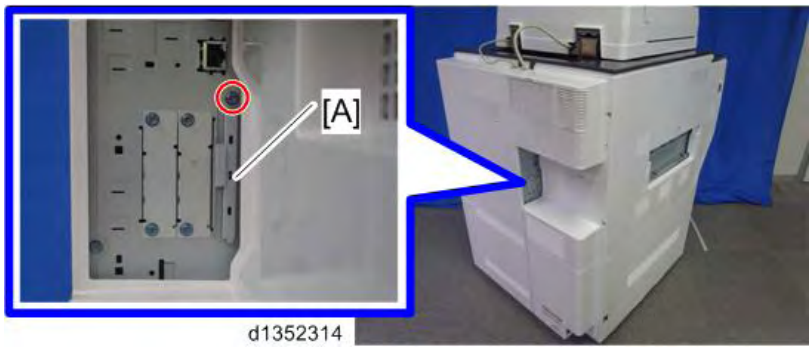
12.1 UPLOADING CONTENT OF NVRAM TO AN SD CARD

Do the following procedure to upload SP code settings from NVRAM to an SD card.

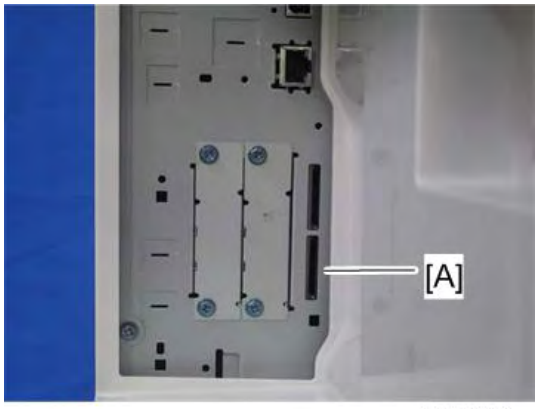
Note

- This data should always be uploaded to an SD card before the NVRAM is replaced.
- Make sure that the write protection of an SD card is unlocked

1. Do SP5990-001 (SMC Print) before you switch the machine off. You will need a record of the NVRAM settings if the upload fails.
2. Switch the copier main power switch off.
3. Remove the SD slot cover [A] (x 1).



4. Insert the SD card into SD card slot 2 (lower) [A]. Then switch the copier on.



5. Execute SP5824-001 (NVRAM Data Upload) and then press the “Execute” key.
6. The following files are coped to an NVRAM folder on the SD card when the upload procedure is finished. The file is saved to the path and the following filename:

   NVRAM¥<serial number>.NV

   Here is an example with Serial Number “K5000017114”:

   NVRAM¥K5000017114.NV
7. In order to prevent an error during the download, be sure to mark the SD card that holds the uploaded data with the number of the machine from which the data was uploaded.

Note

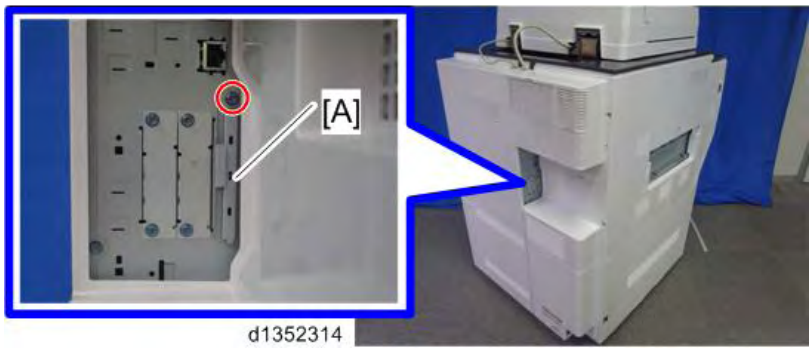
- You can upload NVRAM data from more than one machine to the same SD card.

12.2 DOWNLOADING AN SD CARD TO NVRAM

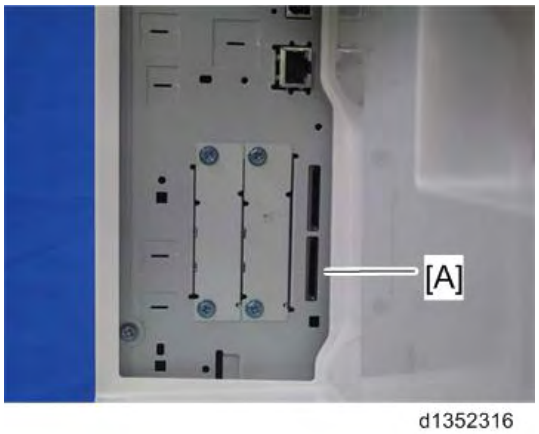
Do the following procedure to download SP data from an SD card to the NVRAM in the machine.

- The NVRAM data down load may fail if the SD card with the NVRAM data is damaged, or if the connection between the controller and BCU is defective.
- Do the download procedure again if the download fails.
- Do the following procedure if the second attempt fails:
  Enter the NVRAM data manually using the SMC print you created before uploading the NVRAM data.

1. Switch the copier main power switch off.
2. Remove the SD slot cover [A] (x 1).



3. Insert the SD card with the NVRAM data into SD Card Slot 2 (lower) [A].



4. Switch the copier main power switch on.
5. Do SP5825-001 (NVRAM Data Download) and press the “Execute” key.

Note

- The serial number of the file on the SD card must match the serial number of the machine for the NVRAM data to download successfully. The download fails if the serial numbers do not match.

This procedure does not download the following data to the NVRAM:

- Total Count
- C/O, P/O Count

ADDRESS BOOK
UPLOAD/DOWNLOAD

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13. ADDRESS BOOK UPLOAD/DOWNLOAD

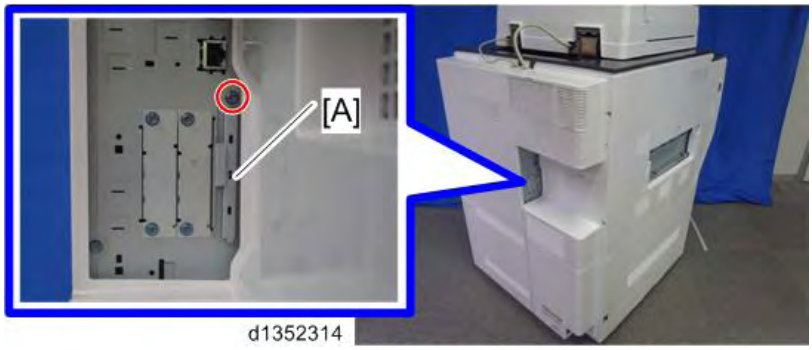
13.1 INFORMATION LIST

The following information is possible to be uploaded and downloaded.

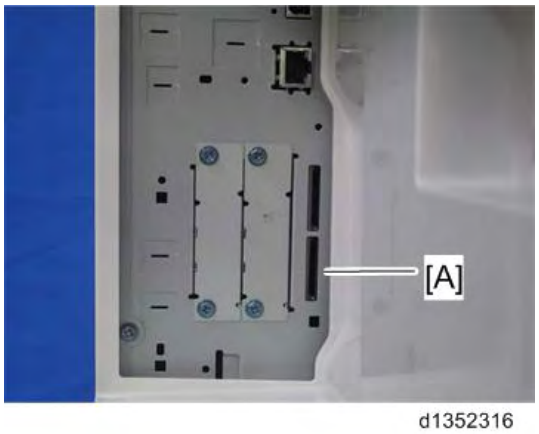
- Registration No.
- User Code
- E-mail
- Protection Code
- Fax Destination
- Fax Option
- Group Name
- Key Display
- Select Title
- Folder
- Local Authentication
- Folder Authentication
- Account ACL
- New Document Initial ACL
- LDAP Authentication

13.2 DOWNLOAD

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 [A] (x 1).



5. Install the SD card into the SD card slot 2 (for service use) [A].



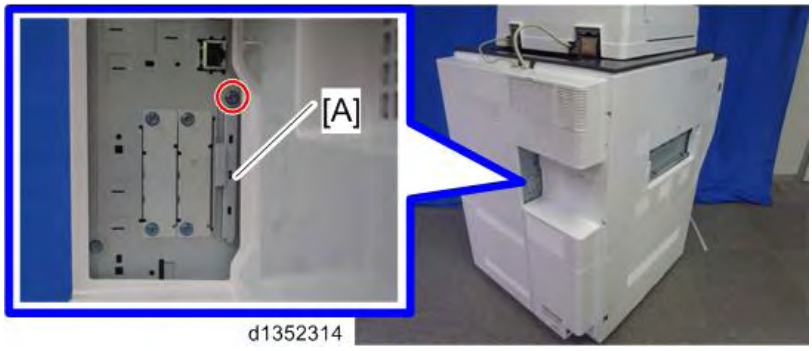
6. Turn on the main power switch.
7. Enter the SP mode.
8. Do SP5-846-051 (Backup All Addr Book).
9. Exit the SP mode, and then turn off the main power switch.
10. Remove the SD card form the SD card slot 2.
11. Install the SD slot cover.

Note

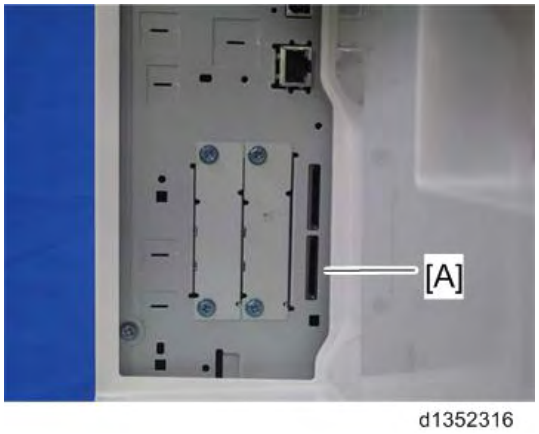
- If the capacity of SD card is not enough to store the local user information, an error message is displayed.
- Carefully handle the SD card, which contains user information. Do not take it back to your location.

13.3 UPLOAD

1. Turn off the main power switch of the main machine.
2. Remove the SD slot cover [A] (x 1).



3. Install the SD card, which has already been uploaded, into the SD card slot 2 [A].



4. Turn on the main power switch.
5. Enter the SP mode.
6. Do SP5-846-052 (Restore All Addr Book).
7. Exit the SP mode, and then turn off the main power switch.
8. Remove the SD card form the SD card slot 2.
9. Install the SD slot cover.

Note

- The counter in the user code information is initialized after uploading.
- The information of an administrator and supervisor cannot be downloaded nor uploaded.
- If there is no data of address book information in the SD card, an error message is displayed.

CAPTURING LOG TO SD CARD

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14. CAPTURING LOG TO SD CARD

14.1 OVERVIEW

With this feature, you can save debug logs that are stored in the machine (HDD or operation panel) on an SD card. It allows the Customer Engineer to save and retrieve error information for analysis.

The Capturing Log feature saves debug logs for the following three.

- Controller debug log
- Engine debug log
- Debug log of the 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 at the time that problems occur. Then you can copy the logs to an SD card.
- You can retrieve the debug logs using a 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)

Type	Storage Timing	Destination (maximum storage capacity)
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.

Note

- Debug logs are not saved in the following conditions.
- While erasing all memory
- While data encryption equipment is installed
- While changing the firmware configuration
- Forced power OFF (accidentally disconnecting the outlet)
- Engine debug log in shutdown
- When the power supply to the HDD is off because of energy saving (engine OFF mode /STR mode)

14.1.1 SECURITY OF THE OPERATION LOG

The following operation logs related to security are not saved.

- User ID
- Password
- IP address
- Telephone number
- Encryption key
- Transition to SP mode

  Also the following operation logs are not saved.
- Number keys (0 to 9) on the operation panel
- Soft keyboard on the touch panel display
- External keyboard

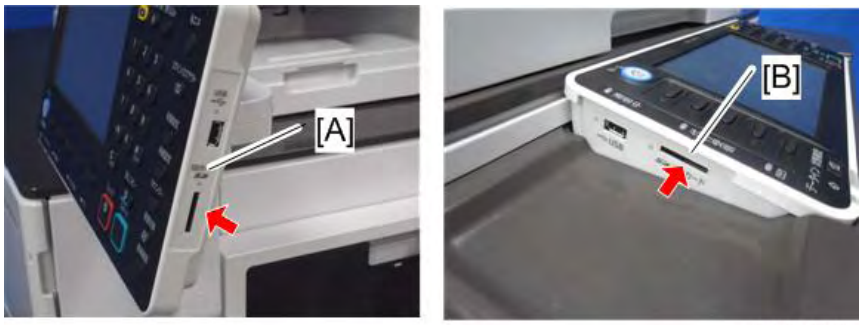
14.2 RETRIEVING THE DEBUG LOGS

Important

- Retrieve debug logs to identify the date of occurrence of the problems and to find details of the problems
- e.g.: At around 8:00 am on March 10, an engine stall occurred. The operation panel does not respond. Turn the main power supply off / on.
- You need to retrieve the debug logs dating back three days from the date of the problem.
- 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.

14.2.1 PROCEDURE FOR RETRIEVING THE DEBUG LOG

1. Insert the SD card into the slot on the side of the operation panel.
   D137/D138: Slot [A]
   D135/D136: Slot [B]



d1353056

2. Enter SP mode.
3. Set the start date of the log with SP5-857-101 (Start date of debug log output)
   e.g.: March 28, 2013: input 20130328 (yyyymmdd)

   Note

   - Set the date three days earlier than the occurrence of the problems.
4. Set the end date of the log with SP5-857-102 (End date of debug log output)
   e.g.: March 31, 2013: input 20130331 (yyyymmdd)
5. Execute SP5-857-103 (Get a debug log of all) to write the debug log to the SD card.
   If the transfer is finished successfully, 'completed' is displayed on the touch panel display.

Note

- The approximate time it takes to transfer the debug log is as follows. Transfer time may be affected by the type or format of the SD card. (It is recommended that you format the SD card using the Panasonic SD Formatter (freeware)).
- Controller debug log (GW debug log): 2 - 20 minutes
- Engine debug log: 2 minutes
- Operation panel debug log: 2 - 20 minutes

6. Make sure that the SD card access LED is off, then remove the SD card.

Note

- If 'failed' appears on the touch panel display, turn the power off, and then recover from step 1 again.

The debug logs are saved with the following file names.

Controller debug log (GW debug log)	/LogTrace/machine number/watching/yyyymmdd_hhmmss_unique identification number.gz
Engine debug log	/LogTrace/machine number/engine/yyyymmdd_hhmmss.gz
Operation panel debug log	/LogTrace/machine number/opepanel/yyyymmdd_hhmmss.tar.gz

D135/D136/D137/D138
SERVICE MANUAL APPENDICES

D135/D136/D137/D138 APPENDICES

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SPECIFICATIONS

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29	6/9/2014	Com 10 not supported-SR4100

1. APPENDICES: SPECIFICATIONS

1.1 SPECIFICATIONS

1.1.1 GENERAL SPECIFICATIONS

Item	Office	Pro
Configuration:	console	
CPU:	Intel(R) Celeron(R) Processor P4505 1.86GHz	
RAM:	2.5GB (Standard)	
Color Support:	Full Color	
Photoreceptor Type:	OPC Drum	
Copy System:	Laser Beam Electrostatic Transfer System	
Develop System:	Dry Two-component Triple Shaft O.D. Cycle Develop System	
Fusing System:	Oil-less Belt Fusing System	
Original Holder type:	Fixed Holder	
Original Scanning System:	Flat Scanning System	
First copy time:	▪ D135 Color: 7.5 Sec. or less (A4/LT LEF) Black & White: 5.5 Sec. or less (A4/LT LEF) ▪ D136 Color: 6.4 Sec. or less (A4/LT LEF) Black & White: 4.8 Sec. or less (A4/LT LEF)	▪ D137 Color: 10.6 Sec. or less (A4/LT LEF) Black & White: 10.3 Sec. of less (A4/LT LEF) ▪ D138 Color: 9.6 Sec. or less (A4/LT LEF) Black & White: 9.2 Sec. or less (A4/LT LEF)

Item	Office	Pro
Copying speed:	D135: 65 Pages/Min. (Black & White, Color) D136: 80 Pages/Min.(Black & White, Color)	D137:65 Pages/Min. (Black & White, Color) D138:80 Pages/Min. (Black & White, Color)
Warm-up time: (Temperature:20C/68F, NRP)	60 Sec. or less (Temperature: 20C/68F, NRP)	All Models: 300Sec. or less(Temperature: 20C/68F, NRP)
Originals:	Sheet/Book/Object	
Maximum original size:	297 x 432mm/11.7” x17” (Both Book, ADF):A3/DLT Full size (Max. placeable original size: 11" x 17")	
Copy Paper Size:	Main Unit Tray1: A4 LEF/LT LEF *With A3/DLT Optional kit: Fixed Form Size: A3, B4, A4, B5, A5, 12" x 18", DLT, LG, LT, HLT, F/F4	
	Main Unit Tray2/3/4: 13 x 19.2" SEF, 13 x 19"SEF, 12.6 x 19.2"SEF, 12.6 x 18.5" SEF 13 x 18" SEF, SRA3 SEF, 12 x 18" SEF,SRA4 SEF/LEF, A3 SEF, A4 SEF/LEF, A5 SEF/LEF, B4 SEF, B5 SEF/LEF, DLT SEF, LG SEF, 8.5 x 13" SEF, LT SEF/LEF,8 x 10" SEF/LEF, 8.25 x 14" SEF, 8.25 x 13" SEF, Executive SEF/LEF, HLT SEF/LEF, 8K SEF, 16K SEF/LEF,11 x 15" SEF, 11 x 14" SEF, 10 x 15" SEF, Custom size: Horizontal: 139.7mm to 330.2mm / 5.5” x 13” Vertical: 139.7mm to 487.7mm / 5.5” x 19.2”	
	Bypass Tray: 13 x 19.2" SEF, 13 x 19"SEF, 12.6 x 19.2"SEF, 12.6 x 18.5" SEF, 13 x 18" SEF, SRA3 SEF, 12 x 18" SEF,SRA4 SEF/LEF, A3, B4, A4, B5, A5, B6, 12" x 18",DLT,LG,LT,HLT,F/F4, C6, Com10, Monarch, C5, DL Env. Custom Size: Horizontal: 90mm to 330.2mm Vertical: 148mm to 487.7mm	

Item	Office	Pro
	A4 LCT: A4 LEF, LT LEF, B5 LEF * With B4/LG Optional Kit Fixed Form Size: B4 SEF, LG SEF,A4 SEF, LT SEF	
	A3 LCT: 13 x 19.2" SEF, 13 x 19"SEF, 12.6 x 19.2"SEF, 12.6 x 18.5" SEF, 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 Slider 1 SEF/LEF, Line Slider 2 SEF, 8K SEF, 16K SEF/LEF,11 x 15" SEF, 11 x 14" SEF, 10 x 15" SEF, 10 x 14" SEF, xxxx BD SEF/LEF Custom Paper: Horizontal:100mm to 330.2mm/3.9” x 13” Vertical:139.7mm to 487.7mm/5.5 x 19.2”	
Paper Thickness:	▪ Main Unit Tray: 52.3 to 256 g/m2 ▪ Bypass Tray: 52.3 to 300 g/m2 ▪ Duplex: 52.3 to 256 g/m2 ▪ A4LCT: 52.3 to 216 g/m2 ▪ A3LCT: 52.3 to 300 g/m2	

Item	Office	Pro
Missing image area:	▪ Leading Edge: 4.2(+1.8/-1.2)mm/0.17”(+0.07”/ 0.05”) ▪ Left/Right: 2.0±1.5mm/0.08”±0.06” ▪ Trailing Edge: 5.0±2.0mm(0.5 to 7.0mm with simplex)/0.2”±0.08”(0.02” to 0.28” with simplex)	▪ Leading Edge: <Non-Coat Paper> Paper Thickness 1 to 3: 5.0±1.5mm/0.2”±0.06” Paper Thickness 4 to 8: 4(+1.8/-1.2)mm/0.2”(+0.07”/-0.05 ”) <Coat Paper> Paper Thickness 1 to 4: 5.0±1.5mm Paper Thickness 5 to 8: 4(+1.8/-1.2)mm/0.2”(+0.07”/-0.05 ”) ▪ Left/Right: 2.0±1.5mm/0.08”±0.06” ▪ Trailing Edge: <Non-Coat Paper> Paper Thickness 1 to 4: 5.0±2.0mm/0.2”±0.08” Paper Thickness 5 to 8: 4.0±2.0mm/0.16”±0.08” <Coat Paper> Paper Thickness 1 to 6: 5.0±2.0mm/0.2”±0.08 Paper Thickness 7 to 8: 4.0±2.0mm/0.16”±0.08”
Copy Scale (Fix)	4.000, 2.000, 1.410, 1.220, 1.150, 0.930, 0.870, 0.820, 0.710, 0.610, 0.500, 0.250 Scale Error Range Actual Size: Main Scan ±1.5%, Sub Scan ±2.75% Variable Size: Main Scan ±1.5%, Sub Scan ±2.75%	
Copy Scale (Zoom)	25 to 400%(1%/Step)	
Resolution (Scanning)	600dpi (Main Scan) x 600dpi (Sub Scan)	
Resolution(Writing)	1200dpi (Main Scan) x 4800dpi (Sub Scan)	
Tone	256	

Item	Office	Pro
Feeding System / Paper Capacity	Standard: ▪ 500 Sheets x 2 + 550 Sheets x 3 + Office: 100 Sheets/Pro:250 Sheets (Bypass) Optional: ▪ A4 LCT RT4020: 4400Sheets / 4000 Sheets (A4 LCT) ▪ A3 LCT RT4030: 2200Sheets / 2000Sheets (A3 Plus LCT) ▪ Paper capacity Using A3 kit for tandem LCT: 1000 Sheets (A3/DLT)	
Continuance Copy Amount	1 to 999 Sheets	
Power Source	▪ D135: 100V/15A, 50/60Hz ▪ D136: 100V/15A x 2, 50/60Hz *D136 consumption current is 20A Max.	▪ D137: 100V/15A x 2, 50/60Hz ▪ D138: 200V/15A, 50/60Hz *Total consumption current is 20A Max.
Max. Watts	▪ D135: 1500W or less (full system) ▪ D136: 2000W or less (full system) *Optional Power Source not included	▪ D137: 2000W or less (full system) ▪ D138: 2400W or less (full system)
Dimensions (W x D x H)	▪ Standard Main Unit: 750mm×880mm x 1050mm/29.5” x 34.6” x 41.3” or less (Pro Width 835mm/32.9” or less) *Height up to contact glass ▪ Standard Main Unit: 750mm x 880mm x 1230mm/29.5” x 34.6” x 48.42” or less (Pro Width 835mm or less/32.9” or less) *Height up to ADF	

Item	Office	Pro
Unit Occupation Dimensions (W x D)	▪ Standard Main Unit (Width x Depth) Width: Bypass tray cover to Output tray Leading edge Depth: Front cover Max. to Rear cover 1110 x 856mm ▪ Max. (Width x Depth) Width: Main Unit + LCT + 3000 Sheets Finisher + inserting paper Depth: Open cover 90 Deg. to Rear cover 1914 x 1456mm/75.4” x 57.3”	TBD
Weight:	241 kg or less	261 kg or less
Laser Standard	Class1 (This Unit falls under to “class 1 laser product” based on JIS C 6802 (IEC 60825-1) Laser product safety regulation.)	

1.1.2 PRINTER SPECIFICATIONS

Item	Spec.	
Configuration:	Build in	
Print Size	▪ Fixed form size: Max. A3 Vertical (297x420mm), 12” x 18”Vertical (304.8x457.2mm) ▪ Custom: Max. 305×600mm/12” x 23.6” (Bypass Tray)	
Continuance Print Speed	▪ D135: 65 Pages/Min. (B&W, Color) ▪ D136: 80 Page/Min. (B&W, Color)	▪ D137: 65 Pages/Min. (B&W, Color) ▪ D138: 80 Pages/Min. (B&W, Color)
Resolution:	200dpi / 300dpi / 400dpi / 600dpi / 1200dpi	
PDL:	Standard: RPCS, RPDL, MediaPrint: JPEG, MediaPrint: TIFF, PDF Direct Optional: PCL6, PCL5C, PS3, RTIFF,R55, PictBridge, BMLinks	
Emulation (Option):	R55, RTIFF, R55/RTIFF/PS3, BMLinkS, PCL	
Interface:	Standard: ▪ USB2.0 Type A/Type B ▪ Ethernet (1000BASE-T/100BASE-TX/10BASE-T) Extend: ▪ Wireless LAN (IEEE802.11a/b/g/n) ▪ Bluetooth ▪ IEEE1284	
Protocol:	TCP/IP, IPX/SPX, AppleTalk	

Item	Spec.
USB Interface (Standard)	▪ Available Operating Systems: Windows 2000/XP/Vista/7, Windows Server 2003/2003 R2/2008/2008 R2, Mac OS 10.3.3 or later. ▪ communication mode: Corresponded to USB2.0 Standard ▪ Connecting mode: Devices corresponded to USB2.0 Standard
Available Operating Systems:	Windows /XP/Vista/7, Windows Server 2003/2008
Built-in Fonts:	(Standard) 136 of PS European alphabets, 2 Japanese fonts (Heisei myoh-tyoh W3, Heisei kaku gothic W5) Myoh-tyoh L, Gothic B Variations of RPDL European fonts. OCR-B, Chinese characters stroke 45 of PCL European alphabets fonts + 13 International Fonts (Optional) Ryumin light KL, Gothic BBB
Scale:	20% to 400%

1.1.3 SCAN SPECIFICATIONS

Item	Spec.
Configuration:	Full color scanner
Original Scanning Method:	Flat scanning system
Image Sensor Type:	CCD image sensor
Originals:	Sheet, Book, Object
Available Original Size for Scanning:	Vertical (10 to 297mm) x Horizontal (10 to 432mm)
Detectable Original Size for Book Scanner:	A3 SEF, B4 SEF, A4 LEF, A4 SEF, B5LEF, B5SEF, A5LEF
Auto Detectable Size for Originals Set to ADF:	A3 SEF, B4 SEF, A4 LEF, A4 SEF, B5 LEF, B5 SEF, A5 LEF, A5 SEF, B6 LEF, B6 SEF, 11 x 17 SEF, $8^1/_2$" x 11" LEF, $8^1/_2$" x 11" SEF
Original Scanning Speed:	A4 SEF Scan time (BOOK) Standard Size Letters: 0.7 Sec. Smaller Size Letters: 0.7 Sec. Extra Smaller Size Letters: 0.7 Sec. Continues Storing Speed (DF) (reference: From second sheet, A4 SEF) Standard Size Letters: 47spm Smaller Size Letters: 47spm Extra Smaller Size Letters: 47spm Rotate continues Storing Speed (DF) (reference: From second sheet, A4 LEF) Standard Size Letters: 50spm Smaller Size Letters: 46spm Extra Smaller Size Letters: 30spm
Tone:	256
Basic Scanning Resolution:	200dpi
Compress Format for Binary B&W Image:	MH, MR, MMR

Item	Spec.
Compress Format for Gray Scale / Full Color:	PDF
Interface:	▪ Standard: Ethernet (1000BASE-T/1100BASE-TX/10BASE-T) ▪ Optional: Wireless LAN (IEEE802.11a/b/g/n), SD Card slot
Protocol for Network Connection:	TCP/IP
Scanning Resolution for Sending email:	100dpi, 200dpi, 300dpi, 400dpi, 600dpi
Available Protocol for Sending email.	SMTP
Output Format for Sending email*1:	TIFF, JPEG, PDF, Clear light PDF, PDF/A
Scanning Resolution for Scan to Folder:	100dpi, 200dpi, 300dpi, 400dpi, 600dpi
Available Protocol for Send to Folder:	SMB, FTP, NCP
Output Format for Send to Folder*1:	Multi Pages TIFF/PDF, PDF/A
Available Protocol for WSD Scanner Sending:	Web Services on Devices for Scanning
Scan Resolution for Network TWAIN Scanner:	100 to 1200dpi
Available Protocol for Network TWAIN Scanner:	1) Available Protocol: TCP/IP 2) Other ▪ UZ-D1/UZ-S1/Plumeria/CS/Palm are available. ▪ SNMP Ricoh MIB is available.
Available Operating Systems for Network TWAIN Scanner:	Windows XP / Vista / 7, Windows Server 2003 / 2008

Item	Spec.
Scanning Resolution for Scan to Network (Main Scan x Sub Scan):	100dpi (High Compressed PDF Not available), 150dpi (High Compressed PDF Not available), 200dpi, 300dpi, 400dpi, 600dpi
Scan Resolution for when Using WIA Scanner:	100 to 1200dpi
Available Protocol for when Using WIA Scanner:	TCP/IP
Available Operating Systems for WIA Scanner:	Windows Vista (SP1 or later) /7, Windows Server 2008/2008 R2 (64bit OS are also available for WIA Scanner)

*1 Electric certificate can be attached when selecting [PDF], [Clear light PDF], or [PDF/A] as file format. For [PDF] or [Clear light PDF], Security Settings are available.

1.1.4 OTHER SPECIFICATIONS

HDD Specifications

Item	Spec.
Capacity:	250GB x 2
Functions	▪ Download fonts ▪ Download forms ▪ Electric sort ▪ Managing coast/Keep job history data ▪ Spool print job ▪ LS Input ▪ Test Print/Privacy Print/Hold print/Save print ▪ Image overlay (as Form overlay)

Speed Specification

Book First Copy Time (A4/LT SEF)

Office		Pro	
D135	D136	D137	D138
BW: 5.5 Sec. or less FC: 7.5 Sec. or less	BW: 4.8 Sec. or less FC: 6.4 Sec. or less	BW: 10.3 Sec. or less FC: 10.6 Sec. or less	BW: 9.2 Sec. or less FC: 9.6 Sec. or less

Copy Speed: Simplex (CPM)

Mode	Office		Pro	
	D135	D136	D137	D138
Standard Paper (66 to 80.9 g/square meters)	65	80	65	80

Copy Speed: Duplex (CPM) (A4/LT SEF)

Mode	Office		Pro	
	D135	D136	D137	D138
Standard Paper	65	80	65	80

Electric Sort Copy Speed: Duplex Simplex to Duplex (CPM) (A4/LT SEF)

Mode	Office		Pro	
	D135	D136	D137	D138
Standard Paper	65	80	65	80

OFF/Sleep mode Switching time

Item	Spec.
OFF/Sleep Mode Switching time	Standard: 1 min., Can set form 1 to 240 min.(1 min. /step) or OFF with setup settings

OFF/Sleep mode Watts, Return time

Item	Watts	Return time
OFF/Sleep mode	1.0W or less	Office: 60.0 Sec. of less Pro: 300.0 Sec. or less

Note

- Due to operating environment, usage status, Watts for OFF/Sleep mode might change. (Such cases as power change to control fuse temperature under low temperature environment, or network environment obstructs to switch to STR mode)
- *Off mode is applied to Basic Models, Sleep mode is applied to LP and MFP models.

Noise

Item	Office	Pro
Main unit alone (B&W/FC)	D135: 72.0dB D136:73.0dB	D137: 72.0dB D138: 73.0dB
Stanby	D135: 52.5dB D136: 57.0dB	D137: 52.5dB D138: 57.0dB

1.2 SUPPORTED PAPER SIZES

1.2.1 ORIGINAL SIZE DETECTION

Size (W x L) [mm]	NA		EU/AP	
	Book	ADF	Book	ADF
A3 SEF (297 x 420)	-	Y	Y*4	Y
B4 SEF (257 x 364)	-	-	Y*4	Y
A4 SEF (210 x 297)	Y*5	Y	Y*4*5	Y
A4 LEF (297 x 210)	Y*5	Y	Y*4*5	Y
B5 SEF (182 x 257)	-	-	Y*4	Y
B5 LEF (257 x 182)	-	-	Y*4	Y
A5 SEF (148 x 210)	-	-	Y*2-4	Y
A5 LEF (210 x 148)	-	-	Y*4	Y
B6 SEF (128 x 182)	-	-	-	Y
B6 LEF (182 x 128)	-	-	-	Y
DLT SEF (11" x 17")	-	Y	-	Y*Da
LG SEF ($8^1/_2$" x 14")	Y*5	Y	-	-
LT SEF ($8^1/_2$" x 11")	Y*5	Y*5	Y*5	Y*Db
LT LEF (11" x $8^1/_2$")	Y*2	Y*5	Y*5	Y*Dc
HLT SEF ($5^1/_2$" x $8^1/_2$")	Y	Y*2	-	-
HLT LEF ($8^1/_2$" x $5^1/_2$")	-	Y	-	-
F SEF (8" x 13")	-	-	Y*Se*3	Y*Se*3
Foolscap SEF ($8^1/_2$" x 13")	-	-	Y*De*3	Y*De*3
Folio SEF ($8^1/_4$" x 13")	-	-	Y*Se*3	Y*Se*3

Size (W x L) [mm]	NA		EU/AP	
	Book	ADF	Book	ADF
Folio SEF (11" x 15")	-	-	-	-
Folio SEF (10" x 14")	-	-	-	-
Folio SEF (8" x 10")	-	-	-	-
US EXE SEF ($7^1/_4$" x $10^1/_2$")	-	-	-	-
US EXE LEF ($10^1/_2$ x $7^1/_4$")	-	-	-	-
8K SEF (267 x 390)	-	-	Y*4	Y*Sa
16K SEF (195 x 267)	-	-	Y*4	Y*Sb
16K LEF (267 x 195)	-	-	Y*4	Y*Sc

Sizes with letters (a, b, c) means only either size with the corresponding letter can be selected for size detect. “D” is for default set sizes, and when setting “S” sizes for size detection from SP mode, “D” sizes can no longer be detected.

(*2)For detected originals smaller then A5 size, with SP mode either “detect as A5” or “Detect as Unknown” can be selected.(Default is “Detect as unknown”)

(*3)F Sizes (8.5” x 13” SEF, 8.25” x 13” SEF, 8” x 13” SEF) will be available by SP mode settings.

(*4)Switch Book scanner original detection between “K” series and ”A/B” series from SP mode. (Can not set both to detect, but 8K/16K detect can de set from SO mode)

8K SEF -> Switch between A3, B4 SEF

16K SEF -> Switch between A4, A5, B5 SEF

16K LEF -> Switch between A4, A5, B5 LEF *Can not switch only either size.

(*5)Can be selected with switching A4/LT from SP mode:

- Standard detect (default)
- When placing A4/LT size LEF, detect as A4 LEF. When placing SEF, detect as LT SEF.
- When placing A4/LT size LEF, detect as LT LEF. When placing SEF, detect as A4 SEF.

Remarks:

Y	Yes; available
-	Not available

1.2.2 PAPER FEED

Tray, Bypass tray, LCT

Size (W x L) [mm]	Tray 1	Tray 2/3	Bypass	LCT (MAUI-D)	LCT (MALAY)	Auto duplex
A3 SEF (297 x 420)	A*1	M	M	-	A	A
A4 SEF (210 x 297)	A	M	M	A*2	A	A
A4 LEF (297 x 210)	A*1	M	M	A	A	A
A5 SEF (148 x 210)	A*1	M	M	A*3	A	A
A5 LEF (210 x 148)	A*1	M	M	A*3	A	A
A6 SEF (105 x 148)	-	-	-	-	A	-
B4 SEF (257 x 364)	A*1	M	M	A*2	A	A
B5 SEF (182 x 257)	A*1	M	M	-	A	A
B5 LEF (257 x 182)	A*1	M	M	A	A	A
B6 SEF (128 x 182)	-	-	M	-	A	A
DLT SEF (11" x 17")	A*1	A	A	-	A	A
Legal ($8^1/_2$" x 14")	A*1	A	A	A*2	A	A
Foolscap ($8^1/_2$" x 13")	-	A	-	-	A	A
LT SEF ($8^1/_2$" x 11")	A	A	A	A*2	A	A
LT LEF (11" x $8^1/_2$")	A*1	A	A	A	A	A
Gov. LG SEF ($8^1/_4$" x 14")	-	A	-	-	A	A
Folio SEF ($8^1/_4$" x 13")	-	A	-	-	A	A
F/GL (8" x 13")	-	-	-	-	A	A
F/F4	A*1		A	-		A
GLT SEF (8" x $10^1/_2$")	-	-	-	-	A	A

Size (W x L) [mm]	Tray 1	Tray 2/3	Bypass	LCT (MAUI-D)	LCT (MALAY)	Auto duplex
GLT LEF ($10^1/_2$" x 8")	-	-	-	-	A	A
Eng Quatro SEF (8" x 10")	-	A	-	-	A	A
Eng Quatro LEF (10" x 8")	-	A	-	-	A	A
Executive SEF ($7^1/_4$" x $10^1/_2$")	-	A	-	-	A	A
Executive LEF ($10^1/_2$" x $7^1/_4$")	-	A	-	-	A	A
HLT SEF ($5^1/_2$" x $8^1/_2$")	A*1	A	A	-	A	A
HLT LEF ($8^1/_2$" x $5^1/_2$")	A*1	A	A	-	A	A
SRA3 SEF(420 x 320)		M	M	-	A	A
SRA4 SEF		A	A	-	A	A
SRA4 LEF		A	A	-	A	A
Line slider 1 SEF	-	-	-	-	A	A
Line slider 1 LEF	-	-	-	-	A	A
Line slider 2 SEF	-	-	-	-	A	A
Line slider 2 LEF	-	-	-	-	A	A
Com10(104.8 x 241.3)			A	-	-	A
Monarch(98.4 x 190.5)			A	-	-	-
C5(162 x 229)	-	-	A	-	-	A
DL(110 x 220)	-	-	A	-	-	A
8K SEF (267 x 390)	-	A	-	-	A	A
16K SEF (195 x 267)	-	A	-	-	A	A
16K LEF (267 x 195)	-	A	-	-	A	A

Size (W x L) [mm]	Tray 1	Tray 2/3	Bypass	LCT (MAUI-D)	LCT (MALAY)	Auto duplex
13” x 19.2” SEF	-	A	A	-	A	A
13” x 19” SEF	-	M	M	-	A	-
13” x 18” SEF	-	A	A	-	A	-
12.6” x 19.2 SEF	-	A	A	-	A	-
12.6” x 18.5” SEF	-	A	A	-	A	-
12" x 18" SEF	A*1	A	A	-	A	-
12" x 18" LEF	A*1	-	A	-	-	-
11" x 15" SEF	-	A	-	-	A	-
11” x 14” SEF	-	A	-	-	A	-
10" x 15" SEF	-	A	-	-	A	-
10" x 14" SEF	-	-	-	-	A	-

(*1) With A3/DLT optional kit

(*2) With B4/LG optional kit

(*3) With special order

Remarks:

A	Available, Auto detectable
M	Available, Paper size must be set from initial setting
-	Not available

1.2.3 PAPER EXIT

Main unit: Main unit tray/1bin: inner 1bin tray

Size (W x L) [mm]	Main unit paper exit
A3 SEF (297 x 420)	Y
A4 SEF (210 x 297)	Y
A4 LEF (297 x 210)	Y
A5 SEF (148 x 210)	Y
A5 LEF (210 x 148)	Y
A6 SEF (105 x 148)	Y
B4 SEF (257 x 364)	Y
B5 SEF (182 x 257)	Y
B5 LEF (257 x 182)	Y
B6 SEF (128 x 182)	Y
DLT SEF (11" x 17")	Y
Legal SEF (8.5" x 14")	Y
Foolscap SEF (8.5" x 13")	Y
LT SEF (8.5" x 11")	Y
LT LEF (11" x 8.5")	Y
Government LG SEF (8.25" x 14")	Y
Folio SEF (8.25" x 13")	Y
F/GL SEF (8" x 13")	Y
G LT SEF (8" x 10.5")	Y

Size (W x L) [mm]	Main unit paper exit
G LT LEF (10.5" x 8")	Y
Eng Quatro SEF (8" x 10")	Y
Eng Quatro LEF (10" x 8")	Y
Executive SEF (7.25" x 10.5")	Y
Executive LEF (10.5" x 7.25")	Y
HLT SEF (5.5" x 8.5")	Y
HLT LEF (8.5" x 5.5")	Y
8K SEF (267 x 390)	Y
16K SEF (195 x 267)	Y
16K LEF (267 x 195)	Y
12" x 18" SEF	Y
11" x 15" SEF	Y
11" x 14" SEF	Y
10" x 15" SEF	Y
10" x 14" SEF	Y

Remarks:

Y	Available
-	Not available

1.3 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.

1.3.1 PRINTER DRIVERS

Printer Language	Windows XP*1*6	Windows Vista*2*6	Windows 7*3*6	Windows 8*6*8
RPCS	Yes	Yes	Yes	Yes
PCL 6	Yes	Yes	Yes	Yes
PS3	Yes	Yes	Yes	Yes

Printer Language	Windows Server 2003*4*6	Windows Server 2008*5*6	Windows Server 2012*9	Macintosh*7
RPCS	Yes	Yes	Yes	No
PCL 6	Yes	Yes	Yes	No
PS3	Yes	Yes	Yes	Yes

*1 Microsoft Windows XP Professional Edition / Home Edition / Media Center Edition / Tablet PC 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 32bit, 64bit

*7 Supports Mac OS X 10.4 or later

*8 Microsoft Windows 8 (Core Edition) / Pro / Enterprise

*9 Microsoft Windows Server 2012 Standard / Datacenter / Essentials

Note

- All other Drivers except ones for Windows XP / 2003 / Vista / 7 / 8 are Adobe genuine PostScript driver.
- PPD file for each operation systems is included in the driver.

1.3.2 SCANNER AND LAN FAX DRIVERS

Driver	Windows XP*1*6	Windows Vista*2*6	Windows 7*3*6	Windows 8*6*7
TWAIN	Yes	Yes	Yes	Yes
PC-FAX	Yes	Yes	Yes	Yes

Driver	Windows Server 2003*4*6	Windows Server 2008*5*6	Windows Server 2012*8	Macintosh
TWAIN	Yes	Yes	Yes	No
PC-FAX	Yes	Yes	Yes	No

*1 Microsoft Windows XP Professional Edition / Home Edition / Media Center Edition / Tablet PC 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 32bit, 64bit (Scanner driver works on 32bit compatible mode)

*7 Microsoft Windows 8 (Core Edition) / Pro / Enterprise

*8 Microsoft Windows Server 2012 Standard / Datacenter / Essentials

Note

- With LAX Fax driver, sending documents directly from PC will be available.
- Also Address Book Editor and Cover Sheet Editor will installed along.
- Network TWAIN driver will be provided on the scanner driver CD-ROM.

1.4 OPTIONAL EQUIPMENT

1.4.1 FINISHER SR4090 (D70300)

Paper Size:	Finisher / Upper Tray	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 71/4 x 101/2, 51/2 x 81/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
	Finisher / Shift Tray	A3 LEF, A4, A5, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 71/4 x 101/2, 51/2 x 81/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
	Finisher / Shift Tray / Shifting	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 51 /2 x 8 1/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, SRA4 LEF, Custom size
	Staple	A3 LEF, A4, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, Custom size
	Punch	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, Custom size
Paper Thickness:	Finisher / Upper Tray	52.3 to 220.0 g/m2
	Finisher / Shift Tray	52.3 to 300.0 g/m2
	Staple	52.3 to 105.0 g/m2
	Punch	52.3 to 256.0 g/m2

Capacity:	Finisher / Upper Tray	• A4, 8 1/2 x 11 or less:250 sheets • B4, 8 1/2 x 14 or more:50 sheets
	Finisher / Shift Tray	• A4 SEF, 8 1/2 x 11 SEF: 3,000 sheets •A3 LEF, B4 LEF, A4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 12 x 18 LEF, SRA3 LEF, 13 x 19 1/5 LEF: 1,500 sheets • A5 SEF: 500 sheets • A5 LEF, B6 LEF, 5 1/2 x 8 1/2 LEF: 100 sheets
	Staple	• A3 LEF, A4, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 x 13 LEF, 8 1/2 x 11, 7 1/4 x 10 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF: 65sheets • Mixed Size: 50sheets (A3 LEF/A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF)
	Staple Output	• A4 SEF, 81/2 x 11 SEF: Binding 20 to 65 sheets...150 to 46 Sets, Binding 2 to 19 sheets...150 Sets • A4 LEF, B5, 81/2 x 11 LEF: Binding 15 to 65 sheets...100 to 23 Sets, Binding 2 to 14 sheets...100 Sets • Other Paper Size: Binding 15 to 65 sheets...100 to 23 Sets, Binding 2 to 14 sheets...100 Sets • Mixed Size: Binding 2 to 65 sheets...23 Sets (A3 LEF/A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF) (With My Paper Brand)
Power Source:		Draw from main unit
Power Consumption:		55.7W or less
Weight:		38 kg
Dimensions (W x D x H):		657 x 613 x 960 mm

1.4.2 BOOKLET FINISHER SR4100 (D70400)

Paper Size:	Finisher / Upper Tray	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 71/4 x 10 1/2, 5 1/2 x 8 1/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
	Finisher / Shift Tray	A3 LEF, A4, A5, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
	Finisher / Shift Tray / Shifting	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 71/4 x 101/2, 51/2 x 81/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, SRA4 LEF, Custom size
	Staple	A3 LEF, A4, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, Custom size
	Saddle stitch staple	A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 18 LEF, SRA4 LEF
	Punch	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, Custom size
	Half fold	A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 18 LEF, SRA4
	Multiple sheets	A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 18 LEF, SRA4 LEF

Paper Thickness:	Finisher / Upper Tray	52.3 to 220.0 g/m2
	Finisher / Shift Tray	52.3 to 300.0 g/m2
	Staple	52.3 to 105.0 g/m2
	Saddle stitch staple	64.0 to 105.0 g/m2
	Punch	52.3 to 256.0 g/m2
	Half fold	64.0 to 216.0 g/m2
	Multiple sheets	64.0 to 105.0 g/m2
Capacity:	Finisher / Upper Tray	• A4, 81/2 x 11 or less: 250 sheets • B4, 81/2 x 14 or more: 50 sheets
	Finisher / Shift Tray	• A4 SEF, 81/2 x 11 SEF: 2,000 sheets • A3 LEF, B4 LEF, A4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 12 x 18 LEF, SRA3 LEF, 13 x 19 1/5 LEF: 1,000 sheets • A5 SEF: 500 sheets • A5 LEF, B6 LEF, 5 1/2 x 8 1/2 LEF: 100 sheets (With My Paper Brand)
	Staple	• A3 LEF, A4, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 x 13 LEF, 8 1/2 x 11, 7 1/4 x 10 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF: 65sheets • Mixed Size: 50 sheets (A3 LEF/A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF) (With My Paper Brand)

	Staple Output	• A4 SEF, 8 1/2 x 11 SEF: Binding 13 to 65 sheets...150 to 30 Sets, Binding 2 to 12 sheets...150 Sets • A4 LEF, B5, 81/2 x 11 LEF: Binding 10 to 65 sheets...100 to 15 Sets, Binding 2 to 9 sheets...100 Sets • Other Paper Size: Binding 10 to 65 sheets...100 to 15 Sets, Binding 2 to 9 sheets...100 Sets • Mixed Size Binding 2 to 65 sheets...23 Sets (A3 LEF/A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF) (With My Paper Brand)
	Saddle stitch staple	20 sheets (With My Paper Brand)
	Saddle stitch staple Output	Binding 2 to 5 sheets: approx. 30 Sets, Binding 6 to 10sheets: approx. 15 Sets, Binding 11 to 15 sheets: approx. 10 Sets, Binding 16 to 20sheets: approx. 6 Sets (With My Paper Brand)
Power Source:		Draw from main unit
Power Consumption:		55.7W or less
Weight:		approx. 57kg
Dimensions (W x D x H):		657 x 613 x 960mm

1.4.3 FINISHER SR 4110 (D70700)

Paper Size: ⇒ Note: COM10 envelopes are **not** supported. The 4 1/8 x 9 ½ paper size will not be displayed as an available size in the bypass paper size screen.	Finisher / Upper Tray	• Without Z-Folding A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 71/4 x 101/2, 51/2 x 81/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4,Custom size • With Z-Folding A3 LEF, A4 LEF, B4 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 81/2 x 11 LEF
	Finisher / Shift Tray	• Without Z-Folding A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4,Custom size • With Z-Folding A3 LEF, A4 LEF, B4 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF
	Finisher / Shift Tray / Shifting	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 71/4 x 101/2, 51/2 x 81/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 191/5 LEF, 13 x 19 LEF, Custom size
	Staple	• Without Z-Folding A3 LEF, A4, B4 LEF, B5, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF • With Z-Folding A3 LEF, B4 LEF, 11 x 17 LEF • With Z-Folding, Mixed Size A3 LEF and A4 LEF B4 LEF and B5 LEF 11 x 17 LEF and 8 1/2 x 11 LEF

Paper Thickness:	Finisher / Upper Tray	• Without Z-Folding 52.3 to 216.0 g/m2 • With Z-Folding 64.0 to 80.0 g/m2
	Finisher / Shift Tray	• Without Z-Folding 52.3 to 300.0 g/m2 • With Z-Folding 64.0 to 80.0 g/m2
	Finisher / Shift Tray / Shifting	52.3 to 300.0 g/m2
	Staple	• Without Z-Folding 64.0 to 90.0 g/m2 • With Z-Folding 64.0 to 80.0 g/m2
Capacity:	Finisher / Upper Tray	• Without Z-Folding A4, 8 1/2 x 11 or less: 500 sheets B4, 8 1/2 x 14 or more: 250 sheets • With Z-Folding 30 sheets (With My Paper Brand)
	Finisher / Shift Tray	• Without Z-Folding A4, B5, 8 1/2 x 1: 3,000 sheets A3, A4, B4, B5, 11 x 17, 8 1/2 x 14, 8 1/2 x 11: 1,500 sheets 12 x 18, 13 x 19: 1,000 sheets A5, 5 1/2 x 8 1/2: 500 sheets A5, 5 1/2 x 8 1/2: 100 sheets • With Z-Folding 30 sheets (With My Paper Brand)

	Staple	• Without Z-Folding A LEF, B4 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 x 13 LEF, 8K LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF: 50 sheets A4, B5, 8 1/2 x 11, 7 1/4 x 10 1/2, 16K: 100 sheets • Mixed Size 50 sheets (A3 LEF /A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF) • With Z-Folding 10 sheets • Combination of With and Without Z-Folding 10 sheets of Z-Folding and 0 sheets Without Z-Folding, 9 sheets of Z-Folding and 0 to 10 sheets Without Z-Folding, 8 sheets of Z-Folding and 0 to 20 sheets Without Z-Folding, 7 sheets of Z-Folding and 0 to 30 sheets Without Z-Folding, 6 sheets of Z-Folding and 0 to 40 sheets Without Z-Folding, 5 sheets of Z-Folding and 0 to 50 sheets Without Z-Folding, 4 sheets of Z-Folding and 0 to 60 sheets Without Z-Folding, 3 sheets of Z-Folding and 0 to 70 sheets Without Z-Folding, 2 sheets of Z-Folding and 0 to 80 sheets Without Z-Folding, 1 sheet of Z-Folding and 1 to 90 sheets Without Z-Folding (With My Paper Brand)
	Staple Output	• Without Z-Folding A4 SEF, B5 SEF, 81/2 x 11 SEF: binding 10 to 100 sheets...200 to 30 Sets A4 LEF, B5 LEF, 8 1/2 x 11 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF: binding 2 to 9 sheets...150 Sets A3, B4: binding 10 to 50 sheets...150 to 30 Sets • With Z-Folding, Mixed Size Z-Folded A3 LEF and A4 SEF, Z-Folded B4 LEF and B5 SEF, Z-Folded 11 x 17 LEF and 8 1/2 x 11 SEF: 1 to 10 sheets...30 to 3 Sets • Mixed Size 2 to 50 sheets...30 Sets(A3 LEF/A4 SEF, B4 LEF/B5 SEF, 11 x 17 LEF/8 1/2 x 11 SEF) (With My Paper Brand)

Power Source:	Draw from main unit
Power Consumption:	120 W or less
Weight:	approx. 75 kg
Dimensions (W x D x H):	806 x 730 x 980 mm

1.4.4 COPY TRAY TYPE M2 (D74400)

Paper Size:	
Paper Thickness:	
Power Source:	
Power Consumption:	
Weight:	
Dimensions (W x D x H):	

1.4.5 DECURL UNIT DU5020 (D72700) PRO MODELS ONLY

Paper Size:	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
Paper Thickness:	52.3 to 300.0 g/m2
Power Source:	Draw from main unit
Power Consumption:	30W or less
Weight:	approx. 30kg
Dimensions (W x D x H):	170 x 730 x 990 mm

1.4.6 BUFFER PASS UNIT TYPE 5020 (D75100) PRO MODELS ONLY

Paper Size:	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
Paper Thickness:	52.3 to 300.0 g/m2
Power Source:	100V, 3A, 50/60Hz
Power Consumption:	200W or less
Weight:	approx. 92kg
Dimensions (W x D x H):	330 x 725 x 980mm

1.4.7 MULTI-FOLDING UNIT FD4000 (D61500)

Folding Methods:		Half Fold, Letter Fold-out, Letter Fold-in, Double Parallel Fold, Gate Fold, Z-Folding
Paper Size:	Fold	• Z-Folding A3 LEF, A4 LEF, B4 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 8K LEF, 12 x 18 LEF • Half Fold A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 8K LEF, 12 x 18 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4 LEF • Letter Fold-out, Letter Fold-in, Double Parallel Fold, Gate Fold A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 8K LEF, 12 x 18 LEF
	Multiple sheets	• Half Fold A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 81/2 x 14 LEF, 81/2 x 11 LEF, 8K LEF, 12 x 18 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4 LEF • Letter Fold-in A3 LEF, A4 LEF, B4 LEF, B5 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF, 8K LEF, 12 x 18 LEF • Letter Fold-out A4 LEF, B4 LEF, B5 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 LEF
Paper Thickness:	Fold	64.0 to 105.0 g/m2
	Multiple sheets	64.0 to 80.0 g/m2
Power Source:		100V, 2.4A, 50/60Hz
Power Consumption:		240W or less (Can not draw from main unit)
Weight:		approx. 92kg
Dimensions (W x D x H):		470 x 730 x 980 mm

1.4.8 MAIL BOX CS4010 (D70800) OFFICE MODELS ONLY

Bin	9 Bins
Paper Size:	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF
Paper Thickness:	60.0 to 128.0 g/m2(52 to 110kg)
Capacity:	100 Sheets each bin, total 900 Sheets (With My Paper Brand)
Power Source:	Draw from main unit
Power Consumption:	30 W or less
Weight:	approx. 15kg
Dimensions (W x D x H):	540 x 600 x 660 mm

1.4.9 COVER INTERPOSER TRAY CI4010 (D71100)

Paper Size:	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 12 x 18 LEF
Paper Thickness:	64.0 to 216.0 g/m2 (55 to 186kg)
Capacity:	230 sheets (With My Paper Brand)
Power Source:	Draw from main unit
Power Consumption:	43 W or less
Weight:	approx. 12kg
Dimensions (W x D x H):	500 x 600 x 600 mm

1.4.10 COVER INTERPOSER TRAY CI4020 (D71200)

Paper Size:	A3 LEF, A4, A5, B4 LEF, B5, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11 SEF, 8 x 13 LEF, 7 1/4 x 10 1/2, 5 1/2 x 8 1/2, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
Paper Thickness:	64.0 to 216.0 g/m2 (55 to 186kg)
Capacity:	260 sheets x 2 drawers (With My Paper Brand)
Power Source:	Draw from main unit
Power Consumption:	84 W or less
Weight:	approx. 45kg
Dimensions (W x D x H):	540 x 730 x 1,270mm

1.4.11 LCIT RT4020 (D70900)

Paper Size:	A4 SEF, B5 SEF, 8 1/2 x 11 SEF
Paper Thickness:	52.3 to 216.0 g/m2 (45 to 185kg)
Capacity:	4,780 sheets (With My Paper Brand)
Power Source:	Draw from main unit
Power Consumption:	50W or less
Weight:	approx. 20kg
Dimensions (W x D x H):	352 x 540 x 625 mm

1.4.12 LCIT RT4030 (D71000)

Paper Size:	A3 LEF, A4, A5, A6 LEF, B4 LEF, B5, B6 LEF, 11 x 17 LEF, 8 1/2 x 14 LEF, 8 1/2 x 11, 8 x 13 LEF, 7 1/4 x 10 1/2, 8 1/2 x 5 1/2, LEF, 8K LEF, 16K, 12 x 18 LEF, 11 x 15 LEF, 11 x 14 LEF, 10 x 15 LEF, 10 x 14 LEF, 13 x 19 1/5 LEF, 13 x 19 LEF, 12 3/5 x 19 1/5 LEF, 12 3/5 x 18 1/2 LEF, 13 x 18 LEF, SRA3 LEF, SRA4, Custom size
Paper Thickness:	52.3 to 300.0 g/m2 (45 to 258kg)
Capacity:	2,390 sheets (With My Paper Brand)
Power Source:	Draw from main unit
Power Consumption:	72W or less
Weight:	approx. 81.7kg
Dimensions (W x D x H):	869 x 730 x 658 mm

APPENDICES:

PREVENTIVE MAINTENANCE TABLES

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
3	10/25/2013	PM Table
6	5/12/2014	Fusing

2. APPENDICES: PREVENTIVE MAINTENANCE TABLES

2.1 PREVENTIVE MAINTENANCE

2.1.1 PREVENTIVE MAINTENANCE ITEMS

Preventive Maintenance Items

PM Parts

The parts mentioned in these tables have a target yield. However, the total copy/print volume made by the machine will not reach the target yield within the machine's targeted lifetime if the machine is used under the target usage conditions (ACV, color ratio, P/J, and C/O). So, these parts are categorized not as PM parts but as EM parts. The parts “(R)” in this table are PM parts.

Chart: A4 (LT)/5%	Mode: 4 copies / original (prints/job)	Ratio 30%

Environment: Normal temperature and humidity

Yield may change depending on circumstances and print conditions.

Symbol keys: C: Clean, R: Replace, L: Lubricant, I: Inspect

Mainframe

Item	300K	600K	900K	1200K	EM	Remarks
Laser Unit						
⇒ Toner Shield Glass	C					Toner Shield Glass Cleaning Tool
Scanner						
Reflector	C					Optics cloth
1st mirror	C					Optics cloth
2nd mirror	C					Optics cloth
3rd mirror	C					Optics cloth
Exposure Glass	C				C	Dry cloth
APS Sensors	C					Dry cloth
ADF Exposure Glass	C				C	Dry cloth

Item	300K	600K	900K	1200K	EM	Remarks
Development						
Developer		R				Collect with a plastic bag
Filter		R				Blower brush, Dry cloth
Gears	C					Blower brush, Dry cloth
Development Unit	C					
PCDU						
Drum Cleaning Unit	C					Replace the Unit (TCRU)
(Cleaning Blade)	C					
(Side seal: cleaning blade)	C					Replace at the same time as the cleaning blade
(Lubricant Brush)	C					Replace at the same time as the lubricant bar
(Lubricant Bar)	C					
(Lubricant Blade)	C					
(Side seal: Lubricant Blade)	C					Replace at the same time as the lubricant blade
(Brush Drive Joint)	C					
(Gears)	C					
Charge Unit	C					Replace the Unit (TCRU)
(Charge Roller)	C					

Item	300K	600K	900K	1200K	EM	Remarks
(Charge Roller Gear)	C					
(Cleaning Roller)	C					
OPC Drum			C (Office)	C (Pro)		
Potential Sensor		C				Dry cloth
Quenching Lamp		C				Dry cloth
Toner Supply						
Toner Supply Unit	C					Blower brush, Dry cloth
Transfer						
Image Transfer Belt			R			
Image Transfer Roller Unit						
(Rollers)			C			Dry cloth
(ID Sensor)		C				Damp cloth
(Image Transfer Roller)				R		
(ITB Bias Roller)				R		
ITB Cleaning Unit		R				Replace the Unit (TCRU)
(Brush Roller)		R				
(Cleaning Blade)		R				
(Lubricant Brush)		R				Replace all together
(Lube Application Blade)		R				
(Lubricant Bar)		R				
Paper Transfer Roller		R				

Item	300K	600K	900K	1200K	EM	Remarks
Quenching		R				
Paper Sensor	C					Remove toner and paper dust, Blower brush
Fusing						
Fusing Unit		R				Replace the Unit (TCRU)
(Fusing Belt: Office)		R				
(Fusing Belt: Pro)		R				
⇒ (Hot Roller: Office)		R				
⇒ (Hot Roller: Pro)		R				
(Pressure Roller)		R				
(Pressure Roller Bearings)		R				
(Separation plate: Fusing Roller)	C					Remove toner and paper dust, Dry cloth
(Separation Plate: Pressure Roller)	C					Remove toner and paper dust, Dry cloth
(Fusing entrance upper guide plates)	C					Remove toner and paper dust, Dry cloth
(Contact Thermistor fusing belt)		C				Remove toner and paper dust
(Contact thermistor fusing roller)		C				Remove toner and paper dust,
(Gears)		L				

Item	300K	600K	900K	1200K	EM	Remarks
(Bearing: Fusing Roller)		I/R				
(Thermopile)		C				Dry cloth
(Smoothing Roller: Pro)	TBD					
Cleaning Web Unit (Pro)		R				Replace the Unit (TCRU)
(Web Cleaning Roller)		R				
(Web Pressing Roller)		R				
(Web Roller Stopper)		R				
Miscellaneous						
Waste Toner Bottle						Replace when toner bottle is full
Ozone Filter						Fixed
Dust Glass					C	Dust glass cleaning kit
Dust Filer: Dev.: exhaust: Large		R				
Dust Filers: Dev.: exhaust: Small		R				
Deodorization filter: Large				R		
Deodorization filter: Small				R		
Dust Filer: Dev.: absorb				C		
Dust Filers: Pressure Roller: absorb				C		

Item	300K	600K	900K	1200K	EM	Remarks
Paper Feed (Paper Trays)						
Tray 1 Pick-up Roller					C	Damp cloth
Tray 2 Pick-up Roller					C	Damp cloth
Tray 3 Pick-up Roller					C	Damp cloth
Tray 1 Feed Roller					C	Damp cloth
Tray 2 Feed Roller					C	Damp cloth
Tray 3 Feed Roller					C	Damp cloth
Tray 4 Feed Roller					C	Damp cloth
Tray 1 Separation Roller					C	Damp cloth
Tray 2 Separation Roller					C	Damp cloth
Tray 3 Separation Roller					C	Damp cloth
Tray 4 Separation Roller					C	Damp cloth
Tray 1 Paper Transfer Roller (drive / following)	C	C				Damp cloth
Tray 2 Paper Transfer Roller (drive / following)	C	C				Damp cloth
Tray 3 Paper Transfer Roller (drive / following)	C	C				Damp cloth
Tray 4 Paper Transfer Roller (drive / following)	C	C				Damp cloth
Tray 1 Transfer Sensor	C	C			C	Blower brush

Item	300K	600K	900K	1200K	EM	Remarks
Tray 2 Transfer Sensor	C	C			C	Blower brush
Tray 3 Transfer Sensor	C	C			C	Blower brush
Tray 4 Transfer Sensor	C	C			C	Blower brush
Tray 1 Paper Feed Sensor	C	C			C	Blower brush
Tray 2 Paper Feed Sensor	C	C			C	Blower brush
Tray 3 Paper Feed Sensor	C	C			C	Blower brush
Tray 4 Paper Feed Sensor	C	C			C	Blower brush
Paper Feed (Mainframe)						
Registration Rollers (drive / following)	C	C			C	Damp cloth
Relay Roller (drive / following)	C	C			C	Damp cloth
By-pass Relay Roller (drive / following)	C	C			C	Damp cloth
Registration Sensor	C	C			C	Blower brush
Main Unit Relay Sensor	C	C			C	Blower brush
Cleaning Unit (Paper Dust Container)	C	C			C	Paper dust out and dry cloth
Registration Guide Plates (upper / lower)	C	C			C	Blower brush, Dry cloth
By-pass Pick-up Roller					C	Damp cloth
By-pass Feed Roller					C	Damp cloth

Item	300K	600K	900K	1200K	EM	Remarks
By-pass Separation Roller					C	Damp cloth
By-pass Feed Sensor	C	C			C	Blower brush
Paper End Sensor (Pro)	C	C			C	Blower brush
Paper Exit / Duplex						
Heat Pipe Roller	C	C			C	Damp cloth
Heat Pipe Roller (drive)	C	C			C	Damp cloth
Paper Exit Roller	C	C			C	Damp cloth
Inverter Exit Roller	C	C			C	Damp cloth
Paper Exit Inverter Roller	C	C			C	Damp cloth
Paper Exit Relay Roller	C	C			C	Damp cloth
Inverter Entrance Roller	C	C			C	Damp cloth
Paper Exit Relay Sensor	C	C			C	Blower brush
Paper Exit Sensor	C	C			C	Blower brush
Inverter Entrance Sensor	C	C			C	Blower brush
Inverter Exit Sensor	C	C			C	Blower brush
Paper Exit Inverter Sensor	C	C			C	Blower brush
Discharge Brush (Paper Exit)	C	C			C	Clean and Dry cloth
Discharge Brush (Inverter)	C	C			C	Clean and Dry cloth
Paper Sensor	C	C			C	Blower brush

Item	300K	600K	900K	1200K	EM	Remarks
Exit Transfer Roller Guide Plates (Top / Center / Left)	C	C			C	Clean and Dry cloth
Duplex Inverter Roller	C	C			C	Damp cloth
Duplex Transport Roller 1	C	C			C	Damp cloth
Duplex Transport Roller 2	C	C			C	Damp cloth
Duplex Transport Roller 3	C	C			C	Damp cloth
Duplex Transport Roller 4	C	C			C	Damp cloth
Duplex Exit Roller	C	C			C	Damp cloth
Duplex Inverter Sensor	C	C			C	Blower brush
Duplex Entrance Sensor	C	C			C	Blower brush
Duplex Transport Sensor 1	C	C			C	Blower brush
Duplex Transport Sensor 2	C	C			C	Blower brush
Duplex Transport Sensor 3	C	C			C	Blower brush
Duplex Transport Sensor 4	C	C			C	Blower brush
Duplex Exit Sensor	C	C			C	Blower brush
Edge Detection Sensor	C	C			C	Blower brush
Horizontal Transport Guide Plates (upper / lower)	C	C			C	Clean and Dry cloth

Item	300K	600K	900K	1200K	EM	Remarks
Purge Section Lower Guide Board	C	C			C	Clean and Dry cloth

D178

FAX OPTION TYPE M2

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
20 ~ 24	02/04/2014	Updated "*Remote Fax Installation*"

FAX OPTION TYPE M2 (D178)

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READ THIS FIRST

Important Safety Notices

⚠WARNING

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use a telephone or cellular phone to report a gas leak in the vicinity of the leak.

⚠CAUTION

- Before installing the fax unit, switch off the main switch, and disconnect the power cord.
- The fax unit contains a lithium battery. 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 batteries in accordance with the manufacturer's instructions and local regulations.

Note

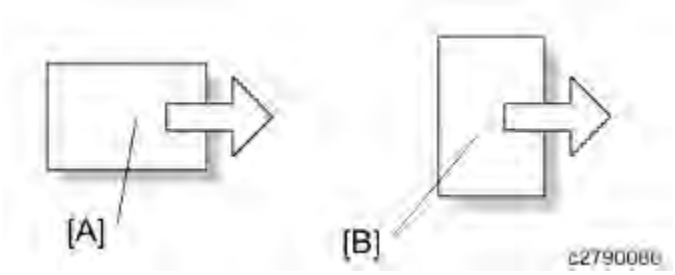
- **Note for Australia**:
- Unit must be connected to Telecommunication Network through a line cord that meets the requirements of ACA Technical Standard TS008.

Symbols and Abbreviations

Conventions Used in this Manual

This manual uses several symbols.

Symbol	What it means
	Refer to section number
	Screw
	Connector
	E-ring
	Clip ring
	Clamp
SEF	Short Edge Feed
LEF	Long Edge Feed



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

Cautions, Notes, etc.

The following headings provide special information:

⚠WARNING

- Failure to obey warning information could result in serious injury or death.

⚠CAUTION

- Obey these guidelines to ensure safe operation and prevent minor injuries.

Important

- Obey these guidelines to avoid problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine.
- Always obey these guidelines to avoid serious problems such as misfeeds, damage to originals, loss of valuable data and to prevent damage to the machine. bold is added for emphasis.

Note

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

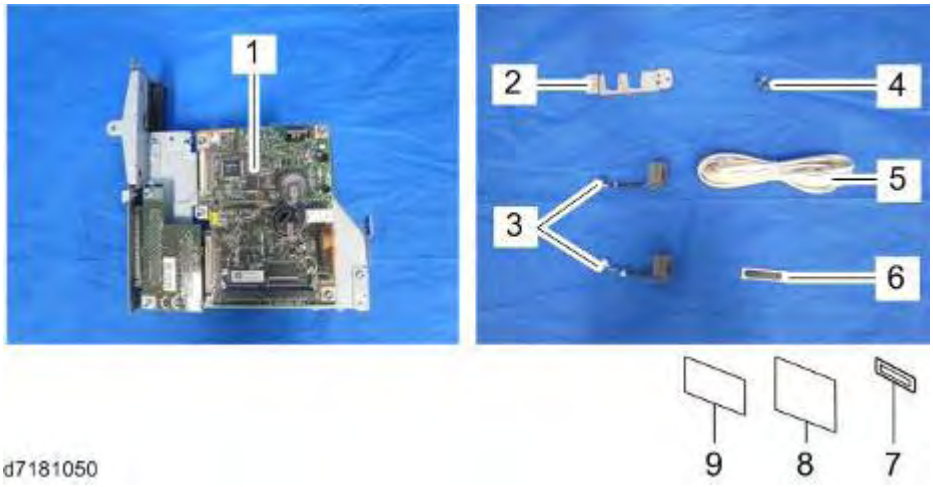
1. INSTALLATION

1.1 FAX UNIT (D718)

1.1.1 COMPONENT CHECK

Check the quantity and condition of the components against the following list.

No.	Description	Q'ty
1	FCU	1
2	Modular Bracket	1
3	Harness: TEL and LINE	2
4	Screw: M3x6	4
5	Telephone Cable (NA only)	1
6	Fax Key top decal	1
7	Serial Number Decal	1
8	EMC Address Decal	1 (EU only)
9	FCC Decal	1 (NA only)



1.1.2 INSTALLATION PROCEDURE

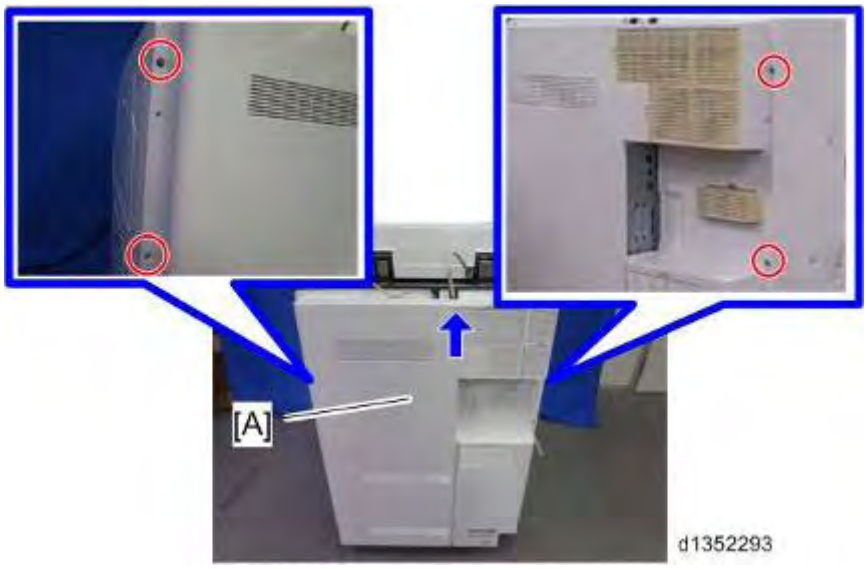
⚠CAUTION

- **Before installing this fax unit:**

  Print out all data in the printer buffer.

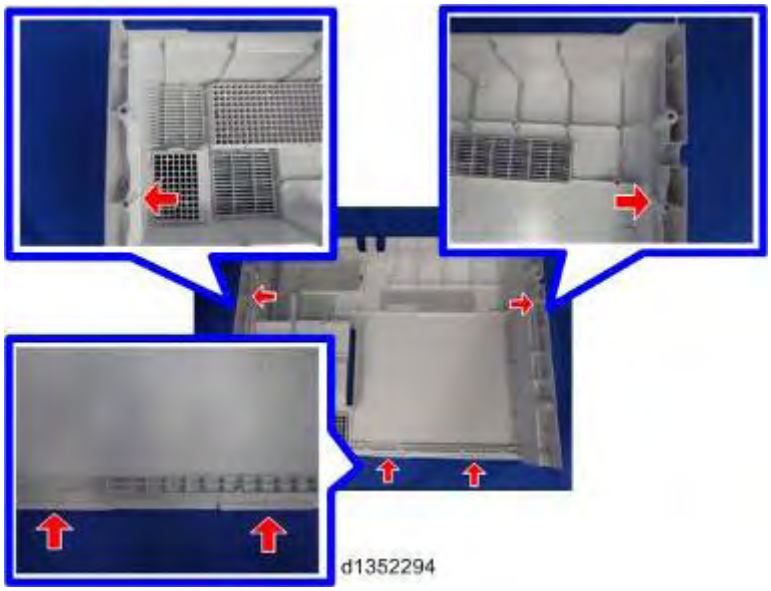
  Turn off the main power switch and disconnect the power cord and the network cable.

1. Remove the rear middle cover [A]. (x4)



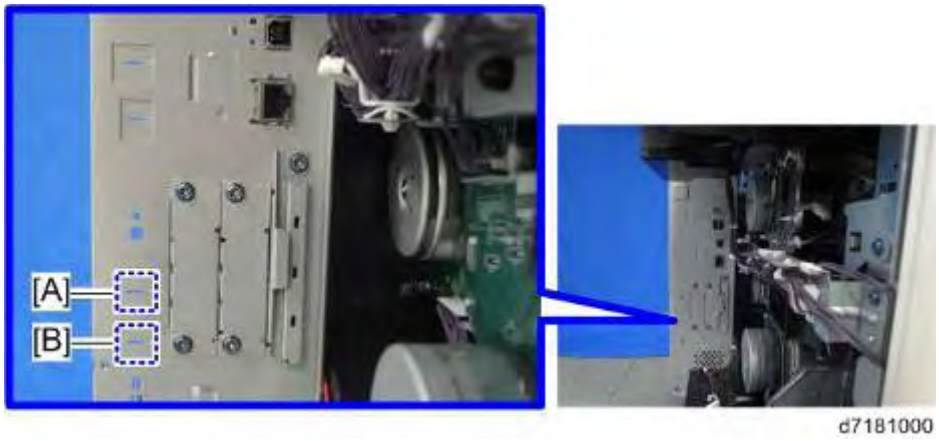
Note

- Check the position of bosses and hooks before removing the lower cover.



2. Remove the controller box cover [A]. (x4)

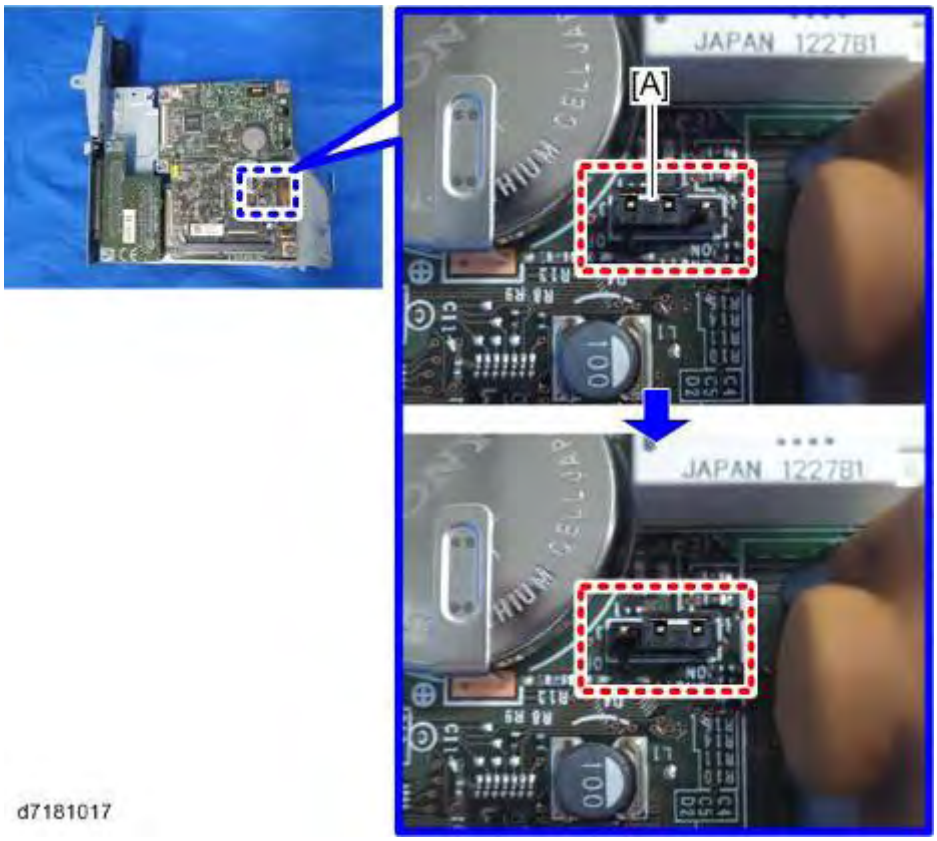
3. Remove the "LINE1" [A] and "TEL" [B] covers with a flathead screwdriver.



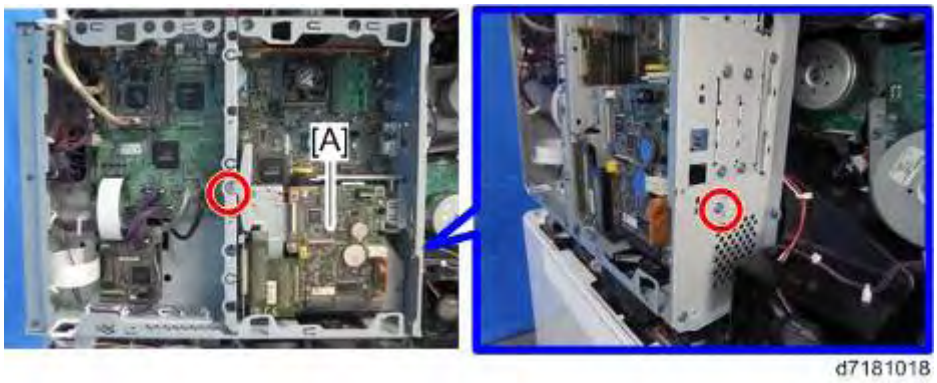
4. Switch the battery jumper switch [A] to the "ON" position.

Note

- If you don‘t switch the battery jumper switch position, the following situation will occur.
- SC820 will occur.
- The registered data will not be saved when you turn off the main power switch.

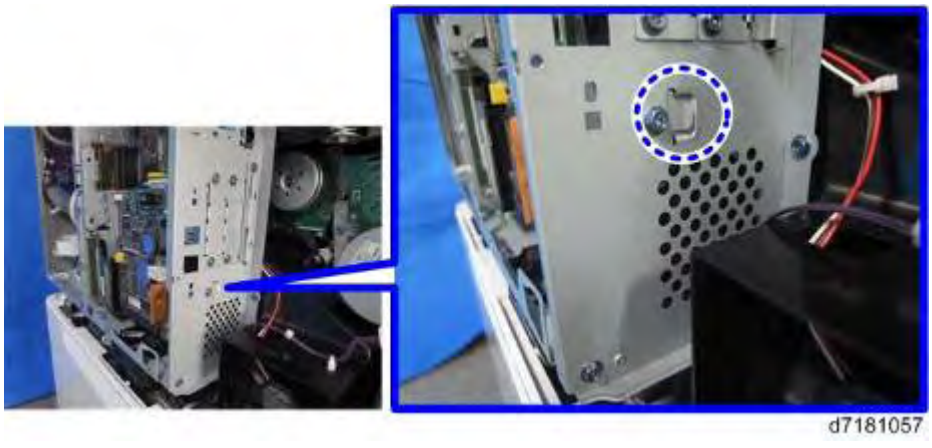


5. Install the fax unit [A] on the controller board. (x2: M3x6)

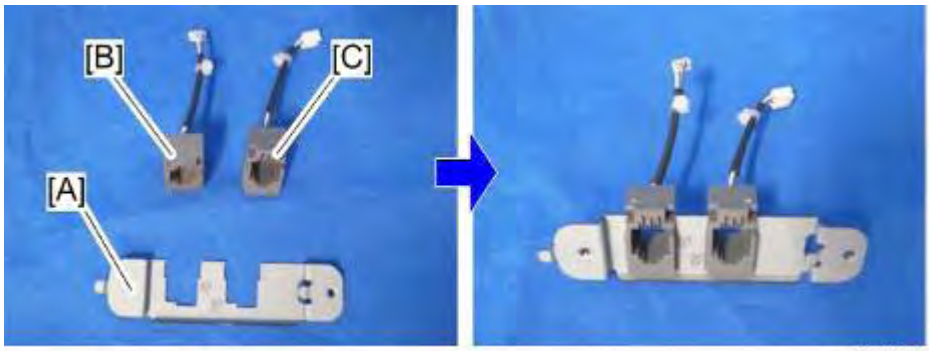


Note

- Insert the hook of the fax unit into the controller box when installing the fax unit.



6. Connect the two modular harnesses [B] (TEL) and [C] (LINE1) to the modular bracket [A].



- NA/AA/CHN:

[B]: 2 pin

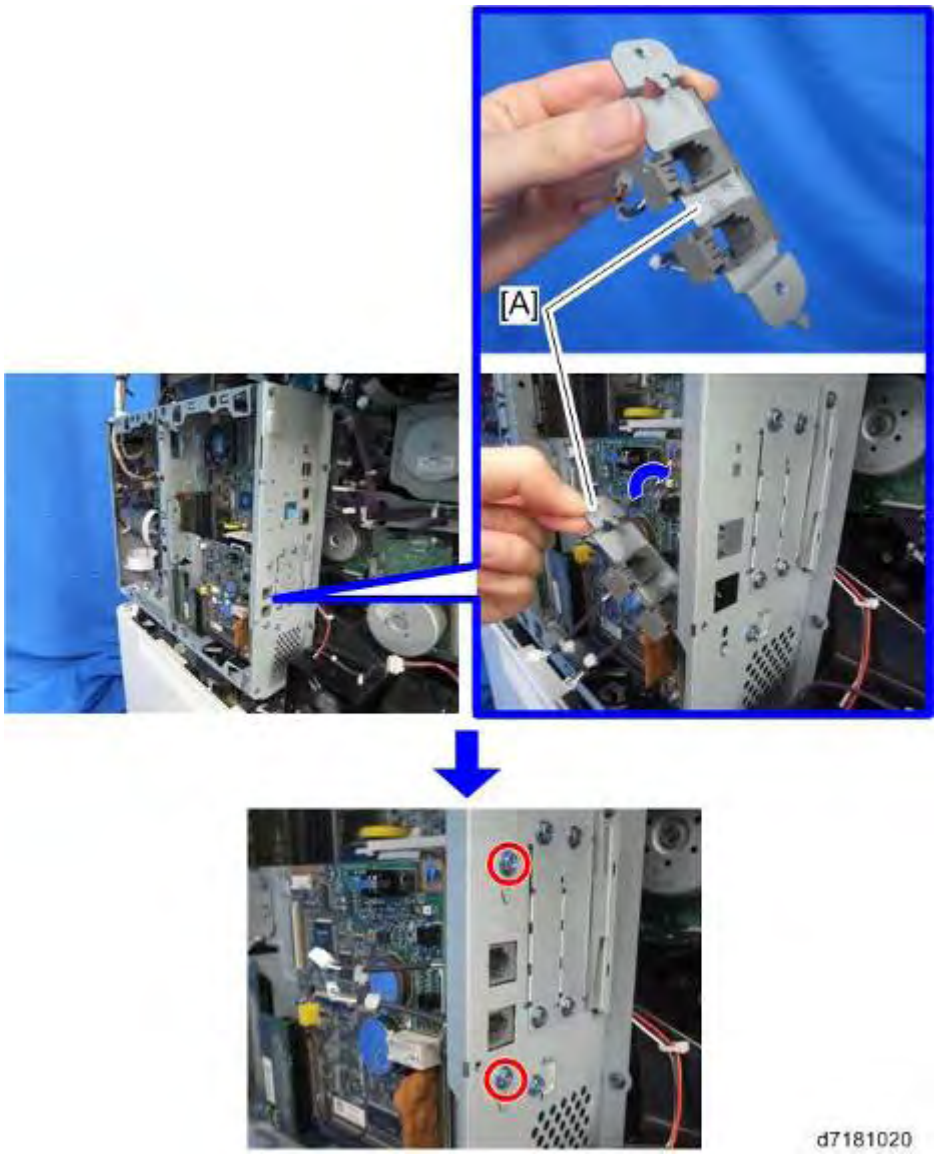
[C]: 3 pin

- EU:

[B]: 6 pin

[C]: 6 pin

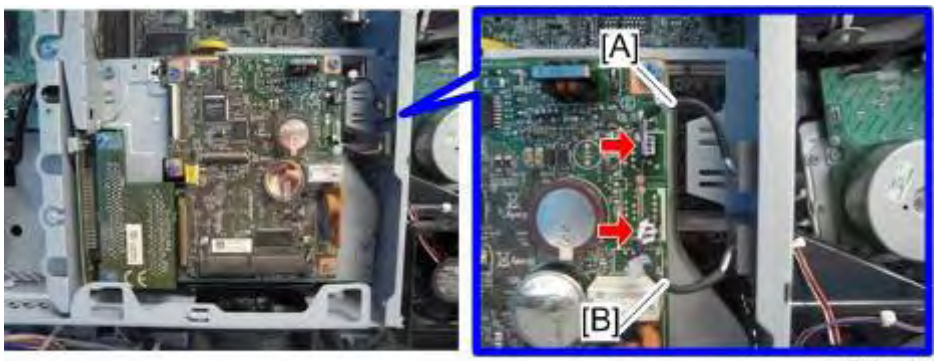
7. Attach the modular bracket [A] to the controller box. (x2: M3x6)



Note

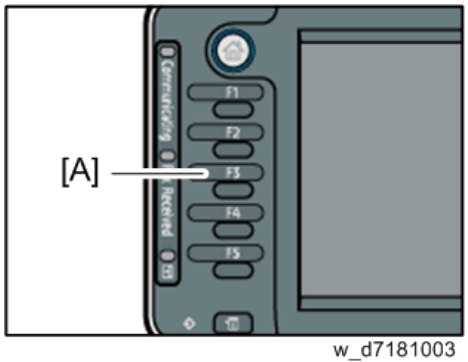
- Insert the hook of the modular bracket into the controller box when installing the modular bracket.

8. Connect the two modular harnesses [A] (LINE1) and [B] (TEL) to the FCU. (x2)



d7181021

9. Reinstall the following covers.
   - Controller box cover
   - Rear middle cover
10. Connect the telephone cord to the "LINE 1" jack.
11. Attach the fax key top decal to F3 [A] on the operation panel.



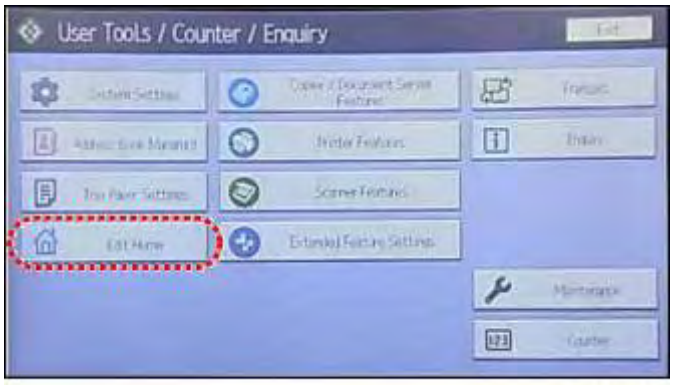
w_d7181003

12. Attach the serial number decal under the copier serial number decal on the rear cover of the machine.
13. Attach the FCC decal on the rear cover of the copier (NA only).
14. Keep the EMC address decal at the customer site (EU only).
15. Put the power plug into the outlet and turn on the main power of the machine.

1.1.3 FAX ICON ADDITION

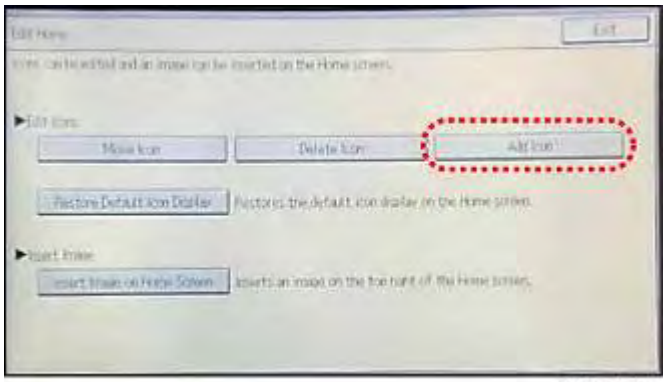
This procedure allows the fax icon to appear on the home screen of the operation panel.

1. Press [User Tools].



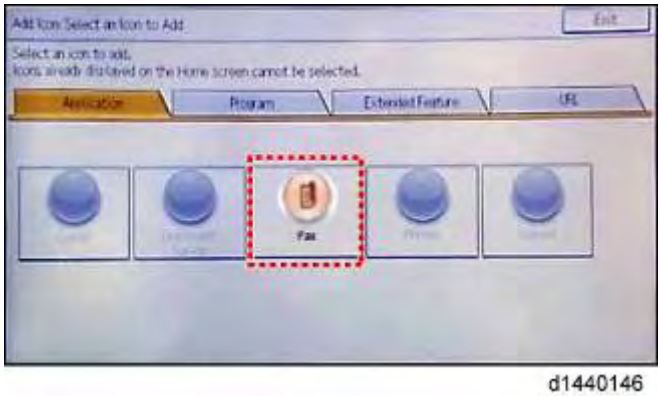
d1440144

2. Press [Edit Home].



d1440145

3. Press [Add Icon].



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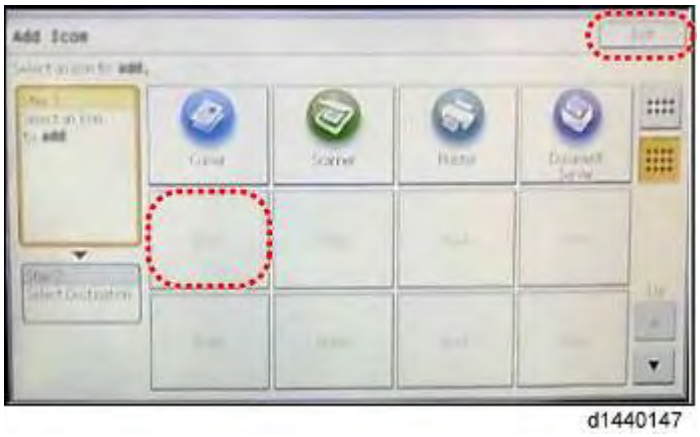
4. Press [Fax].



d1440147

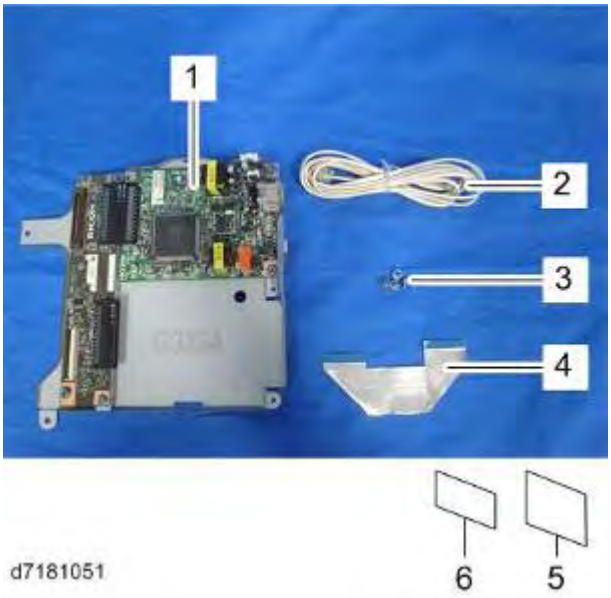
5. Press a [Blank] to set a location for the fax icon.
6. Press [Exit] to end the fax icon addition.

1.2 G3 INTERFACE UNIT (D718)

1.2.1 COMPONENT CHECK

Check the quantity and condition of the components against the following list.

No.	Description	Q'ty
1	SG3 Interface Unit	1
2	Telephone Cable (NA only)	1
3	Screw: M3x6	4
4	Flat Cable	1
5	EMC Address Decal	1 (EU only)
6	FCC Decal	1 (NA only)



1.2.2 INSTALLATION PROCEDURE

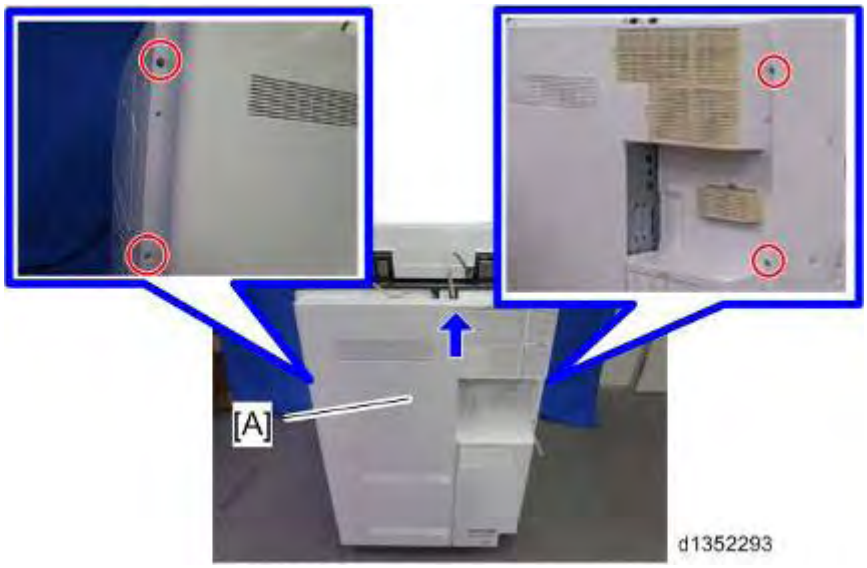
⚠CAUTION

- **Before installing this optional unit:**
  Print out all data in the printer buffer.
  Turn off the main switch and disconnect the power cord and the network cable.

You can add two more SG3 boards to this model. Follow the procedures for adding the single SG3 board installation or double SG3 boards installation as a customer needs.

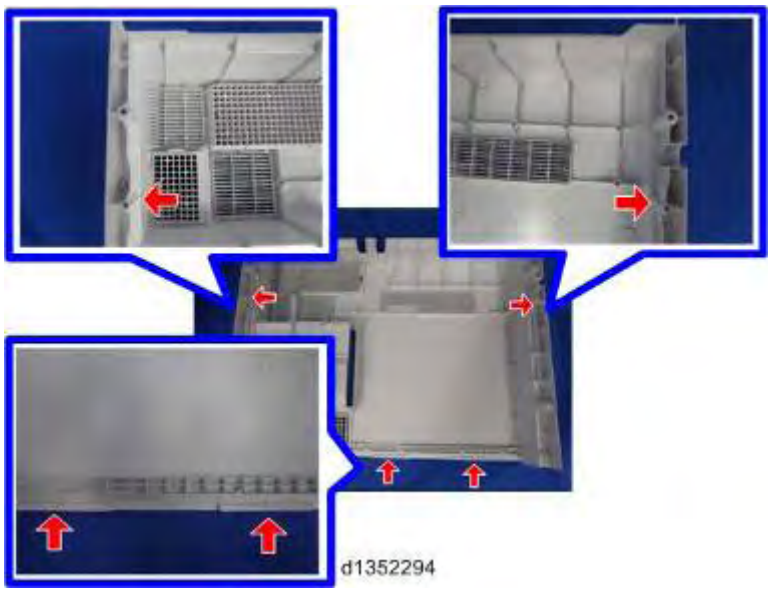
For Installing the single G3 Board

1. Remove the rear middle cover [A]. (x4)



Note

- Check the position of bosses and hooks before removing the lower cover.



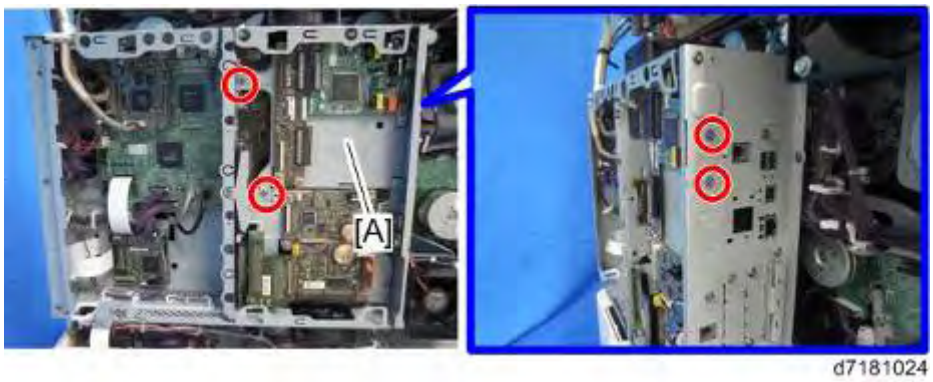
2. Remove the controller box cover [A]. (x4)

d7181023

3. Remove the "LINE2" [A] cover and [B] cover with a flathead screwdriver.

d7181004

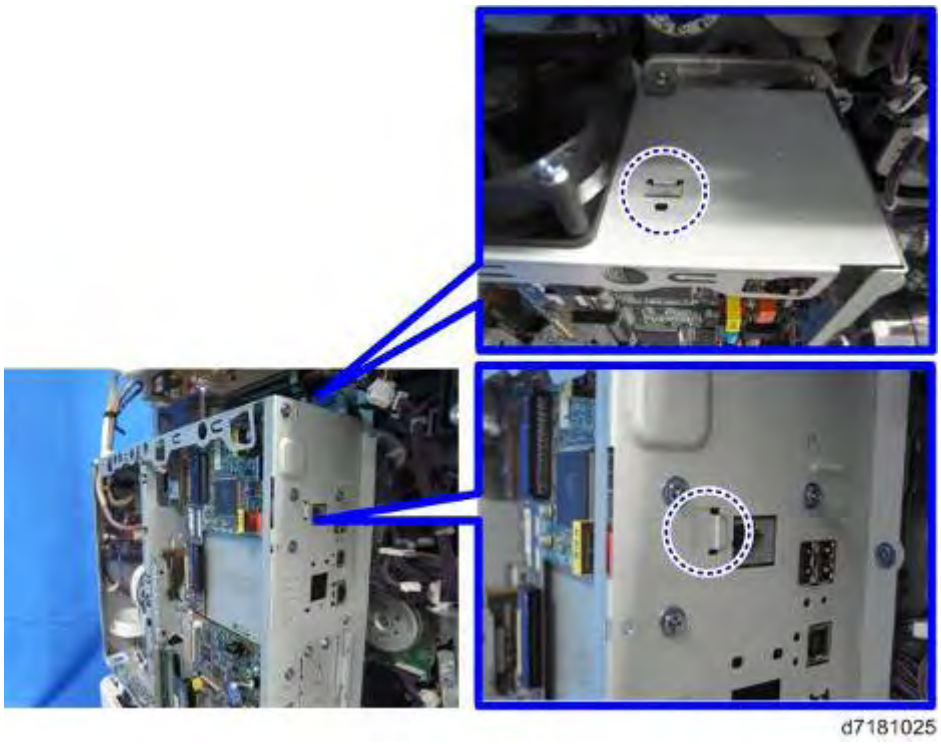
4. Install the SG3 interface unit [A] on the controller board. (x4: M3x6)



d7181024

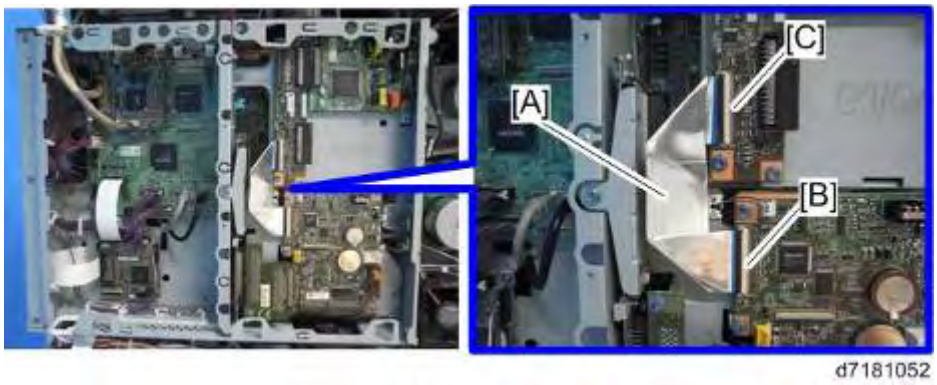
Note

- Insert the two hooks of the SG3 interface unit into the controller box when installing the SG3 interface box.



d7181025

5. Attach one end of the flat cable [A] to the connector [B] of the FCU board. (x1)
6. Attach the other end of the flat cable [A] to the connector [C] of the CCUIF. (x1)



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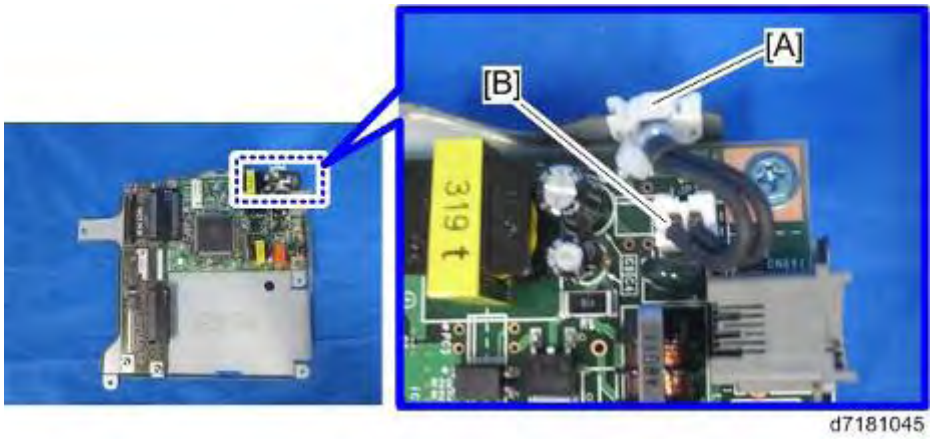
7. Reinstall the following covers.
   - Controller box cover
   - Rear middle cover
8. Attach the FCC decal on the rear cover of the copier (NA only).
9. Keep the EMC address decal at the customer site (EU only).
10. Connect the telephone cord to the "LINE 2" jack.
11. Connect the power plug to a power outlet and turn on the main power switch.
12. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
13. Exit the service mode.
14. Turn the main power switch off and on.
15. Print out the system parameter list. Then check that "G3" shows as an option.
16. Set up and program the items required for PSTN-2 communications.

For Installing the Double G3 Boards

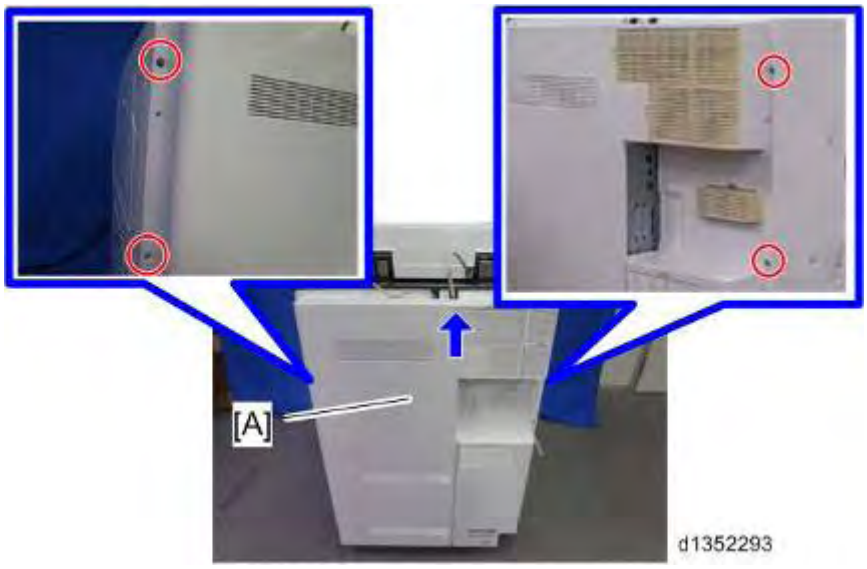
1. Disconnect the clamp [A] and connector [B] from the second SG3 interface unit. (x1, x1)



2. Remove the SG3 board [A] from the second SG3 interface unit for the two-SG3 board installation. (x 2)

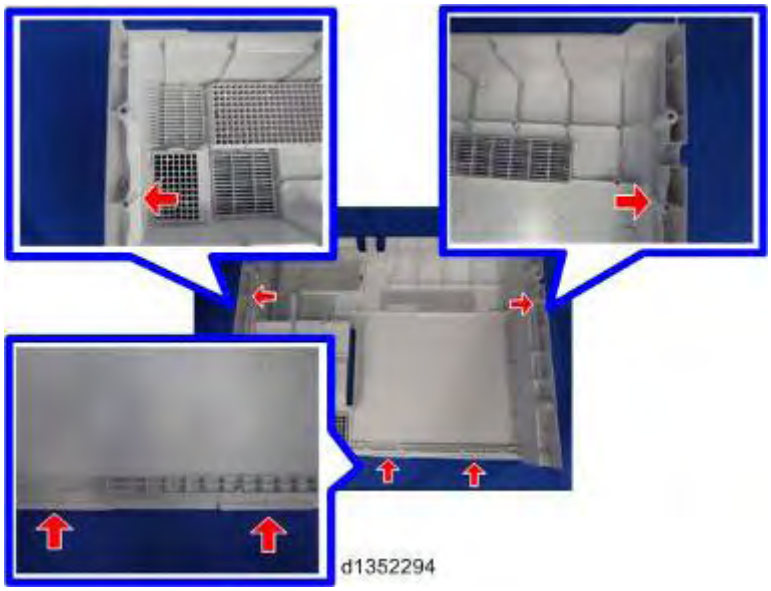
3. Install the SG3 board [A] removed from the second SG3 interface unit to the first SG3 interface unit. (x 2)

4. Remove the rear middle cover [A]. (x4)



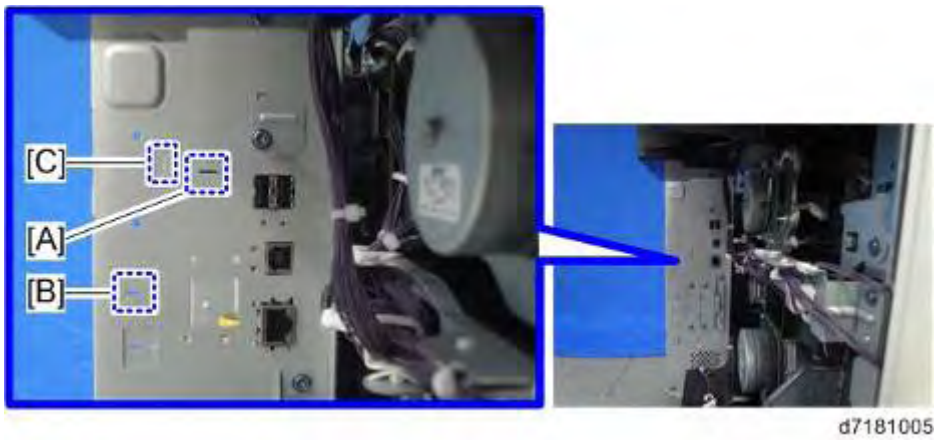
Note

- Check the position of bosses and hooks before removing the lower cover.



5. Remove the controller box cover [A]. (x4)

1. Remove the "LINE2" [A] and “LINE3” [B] covers with a flathead screwdriver.
2. Remove the cover [C] with a flathead screwdriver.



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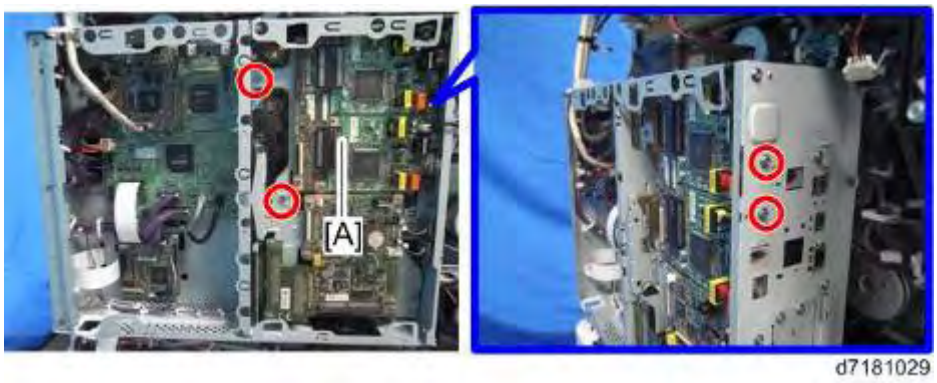
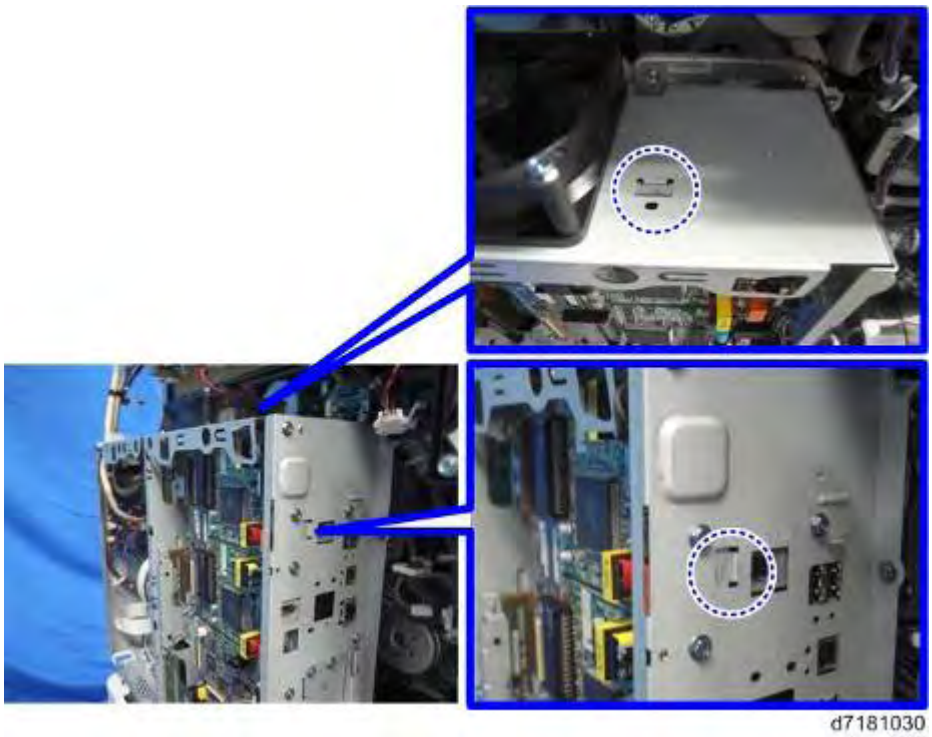
3. Install the SG3 interface unit [A] on the controller board. (x4: M3x6)



d7181029

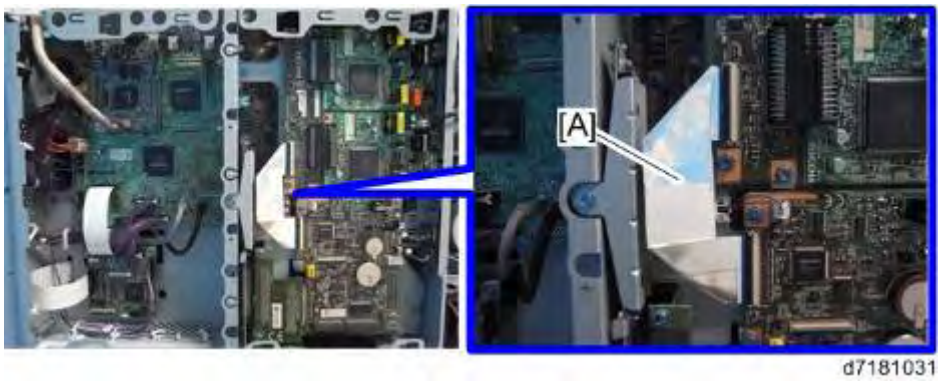
Note

- Insert the two hooks of the SG3 interface unit into the controller box when installing the SG3 interface box.


d7181030

4. Attach one end of the flat cable [A] to the connector [B] of the FCU board. (x1)

5. Attach the other end of the flat cable [A] to the connector [C] of the CCUIF. (x1)

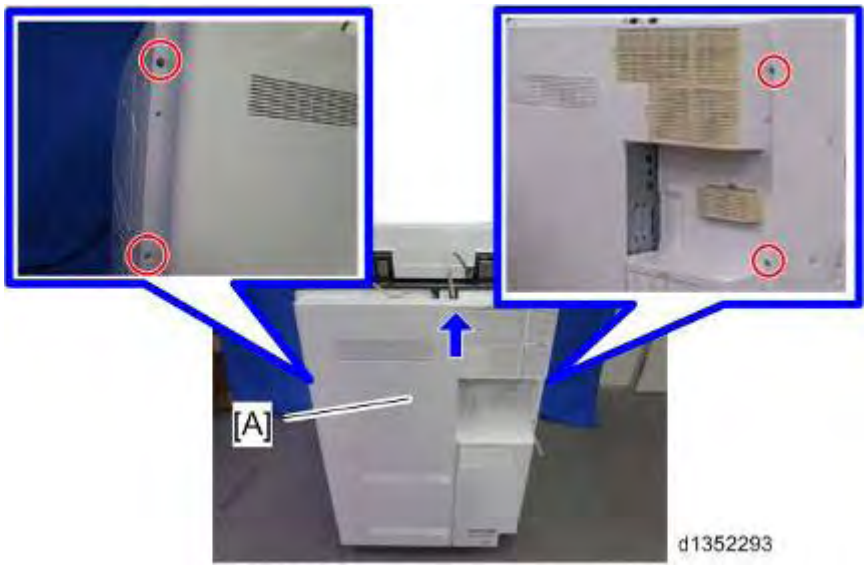


6. Reinstall the following covers.
   - Controller box cover
   - Rear middle cover
7. Attach the FCC decal on the rear cover of the copier (NA only).
8. Keep the EMC address decal at the customer site (EU only).
9. Connect the telephone cords to the "LINE2" and "LINE3" jacks for double-SG3 board installation.
10. Turn the main power switch off and on.
11. Enter the service mode. Set bit 1 of communication switch 16 to "1" (SP1-104-023).
12. Set bit 3 of communication switch 16 to "1" (SP1-104-023) if you have installed two SG3 boards.
13. Exit the service mode.
14. Turn the main power switch off and on.
15. Print out the system parameter list. Then check that "G3" shows as an option.
16. Set up and program the items required for PSTN-2 communications.

1.3 FAX UNIT OPTIONS

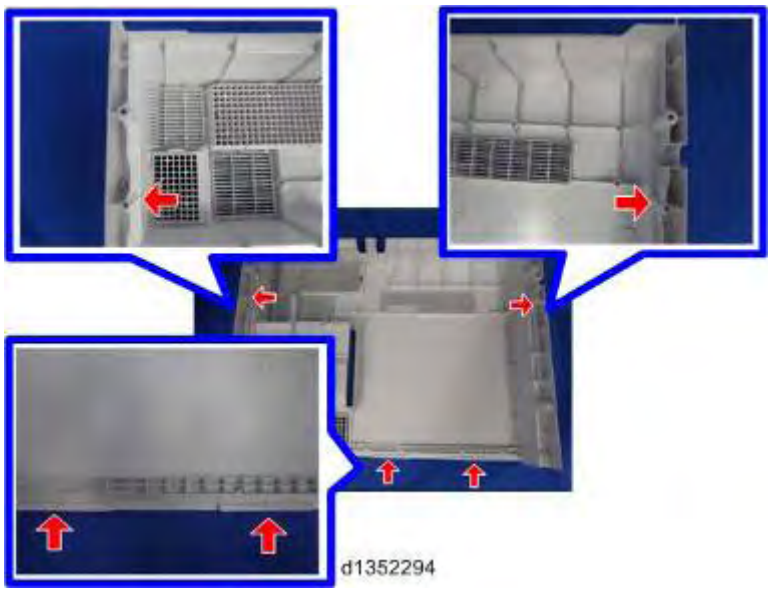
1.3.1 MEMORY UNIT (G578)

1. Remove the rear middle cover [A]. (x4)



Note

- Check the position of bosses and hooks before removing the lower cover.



2. Remove the controller box cover [A]. (x4)

3. Release the hooks on the fax board, and then install the memory option [A] in the memory slot at an angle.

4. Press the memory option [A] toward the fax board until the hooks lock.

5. Reassemble the machine.

1.4 REMOTE FAX INSTALLATION

1.4.1 INSTALLATION PROCEDURE

This unit allows a machine without the fax unit installed ("Client-side Machine") to send and receive faxes via a machine with the fax unit installed ("Remote Machine").

Requirements:

- Both the Client-side Machine and Remote Machine must have this unit, the Printer unit, and Scanner unit installed.
- Up to six machines can be registered as the Client-side Machines.
- Machines that have the fax unit installed cannot be used as the Client-side Machine.
- Only one machine can be registered as the Remote Machine.
- Firmware for this unit: "aics".
- Remote Fax transmissions are possible on a G3 line.
- The remote fax function does not support User Code Authentication. Disable User Code Authentication on the Remote machine.
- Use this function to check the contents of a file that is stored in memory and not yet sent. Also, use this function to cancel a transmission from the Client-side Machine.

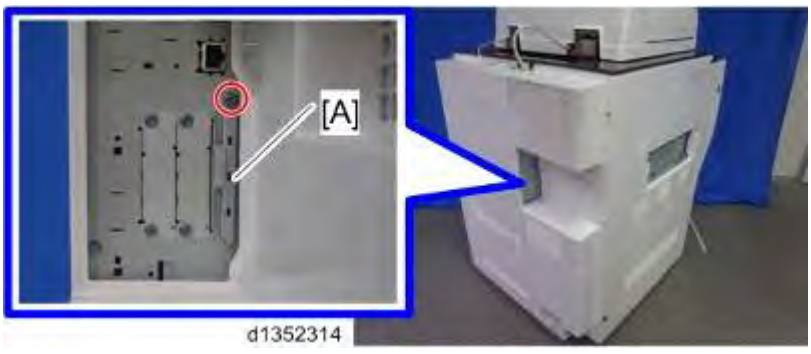
1. Installing the application

⇒ Note

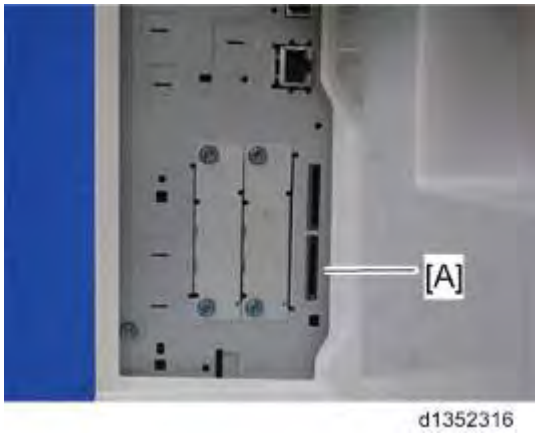
- Before starting the installation procedure, connect the network cable to the Remote Machine and configure the network settings. (***)

On both the Remote Machine and the Client-side Machines:

1. Remove the SD card slot cover [A] (x1).



2. With its label turned away toward the front of the machine, insert **Fax Connection Unit** into SD card slot 2 (lower slot) [A]. Push it in until you hear it click and lock in place.



Note

If another SD card is already inserted into SD card slot 1 (upper), insert the SD card containing the Fax Connection Unit Type B application program into SD card slot 2 (lower) and follow steps 3 through 6 to merge the contents of the two SD cards. If SD card merge is not required, skip steps 3 through 6 and proceed to step 7. (***)

3. Plug in, and then turn on the machine.
4. Move the Fax Connection Unit Type B application from the SD card in SD slot 2 (lower) to the SD card in SD slot 1 (upper) with SP5-873-001.
5. Turn off the machine.
6. Remove the SD card from SD slot 2 (lower), and then keep it in a safe place (see “SD Card Appli Move” in the manual for the main frame).
7. Attach the SD-card slot cover, and then turn on the machine (x1)
8. Make sure that the machine can recognize the option.

2. Registering the Client-side Machine(s) (***)

Note

- Maximum of six machines can be registered.

On the Remote Machine:

1. Press the [User Tools/Counter] key on the operation panel
2. Press [Administrator Tools].
3. Press [Program/Change/Delete Remote Machine].
4. Enter the IP address or host name of the Client-side Machines and press [Set].

3. Registering the Remote Machine (***)

Note

- Only one machine can be registered as the Remote Machine.

On the Client-side Machine(s):

1. Press the [User Tools/Counter] key on the operation panel
2. Press [Administrator Tools].
3. Press [Program/Change/Delete Remote Machine].
4. Enter the IP address or host name of the Remote Machine and press [Set].
5. Press [Exit] to exit from the set-up procedure.

4. Configuring the Remote Reception Settings

Do the following procedure to enable the Client-side Machine(s) to receive faxes via the Remote Machine. You can forward or route received documents per line or special sender or box.

Note

- By performing procedures #1-3 above, the Client-side Machines can **send** faxes via the Remote Machine. The procedures shown below are necessary to enable the Client-side Machines to **receive** faxes.

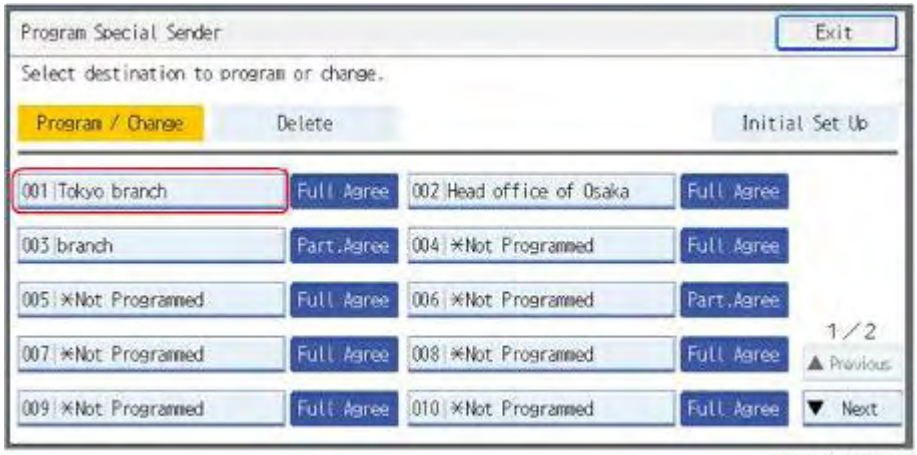
On the Remote Machine:

1) If you use "Remote Reception Setting per Line"

1. Press [Facsimile Features].
2. Press [Remote Reception Setting per Line] in [Reception Settings].
3. Enter an IP address or a host name of the client-side machine to connect.
4. Press [Set], and [Exit] to exit from the setting.

2) If you use "Remote Reception per Sender"

1. Press [Facsimile Features].
2. Press [Program Special Sender] in [Reception Settings].
3. Select the Special Sender.



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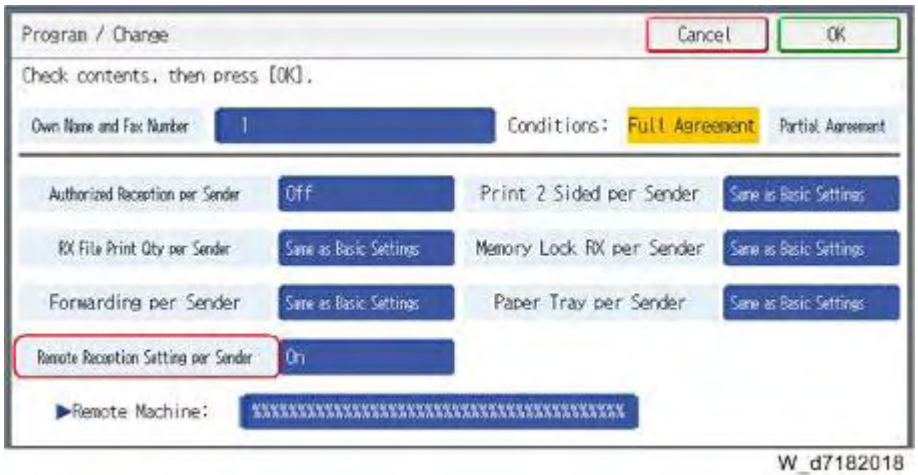
4. Press [Remote Reception Setting per Sender] .



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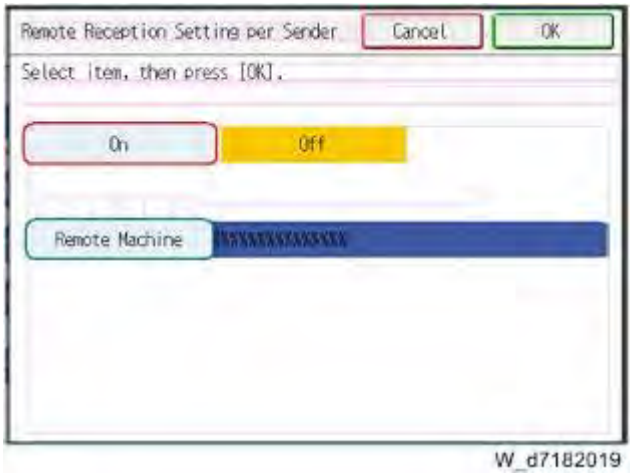
5. Press [On] and [Remote Machine].



6. Enter an IP address or a host name of the client-side machine to connect.
7. Press [OK] to exit from the setting.

⇒*5. Remote Fax Icon (***)*

This procedure allows the remote fax icon to appear on the home screen of the operation panel.

1. Confirm the [Remote Fax] icon appears on the Home screen. (The icon should be automatically added to the Home screen.) However, if not, add the icon to the Home screen from [User Tools] - [Edit Home] - [Add Icon].

2. If your customer requires the [Remote Fax] icon to be fixed in a specific location, move the icon from [User Tools] - [Edit Home] - [Move Icon].

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2. REPLACEMENT AND ADJUSTMENT

2.1 FCU

2.1.1 SRAM DATA TRANSFER PROCEDURE

When you replace the FCU board, transfer the SRAM data from the old FCU board to the new FCU board. Do the following procedure to back up the SRAM data.

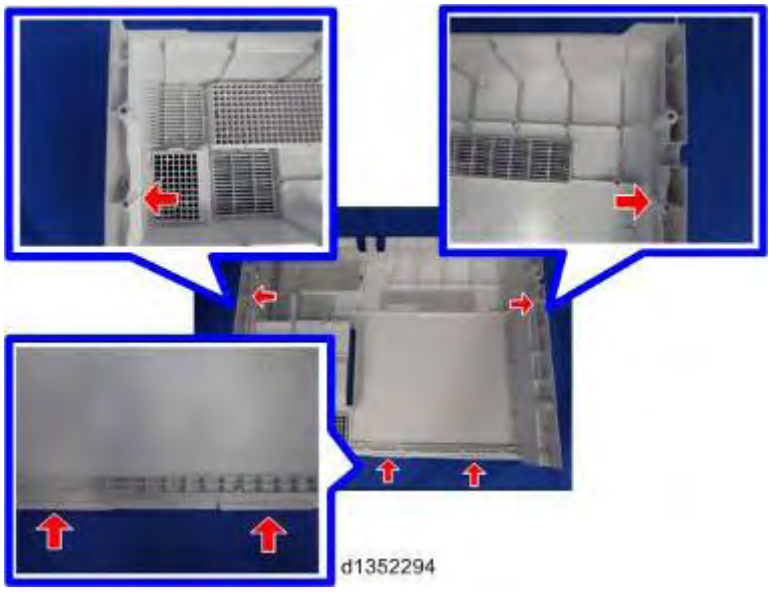
Note

- The following data can be transfered: TTI, RTI, CSI, Fax bit switch settings, RAM address settings, NCU parameter settings

1. Remove the rear middle cover [A]. (x4)

Note

- Check the position of bosses and hooks before removing the lower cover.



2. Remove the controller box cover [A]. (x4)

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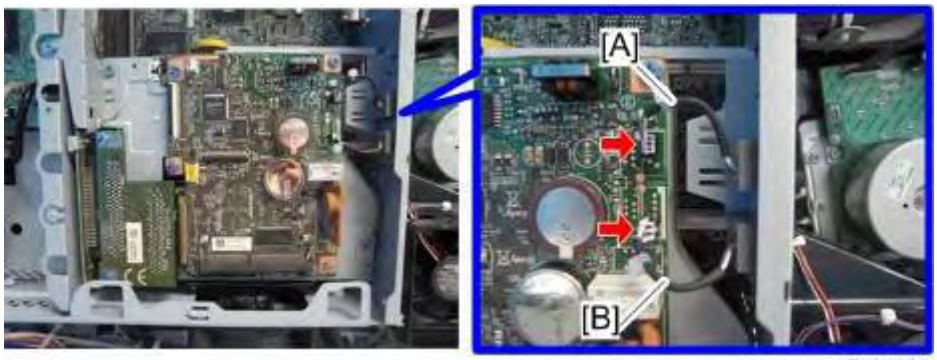
3. Disconnect the two modular harnesses [A] (LINE1) and [B] (TEL) from the FCU. (x2)



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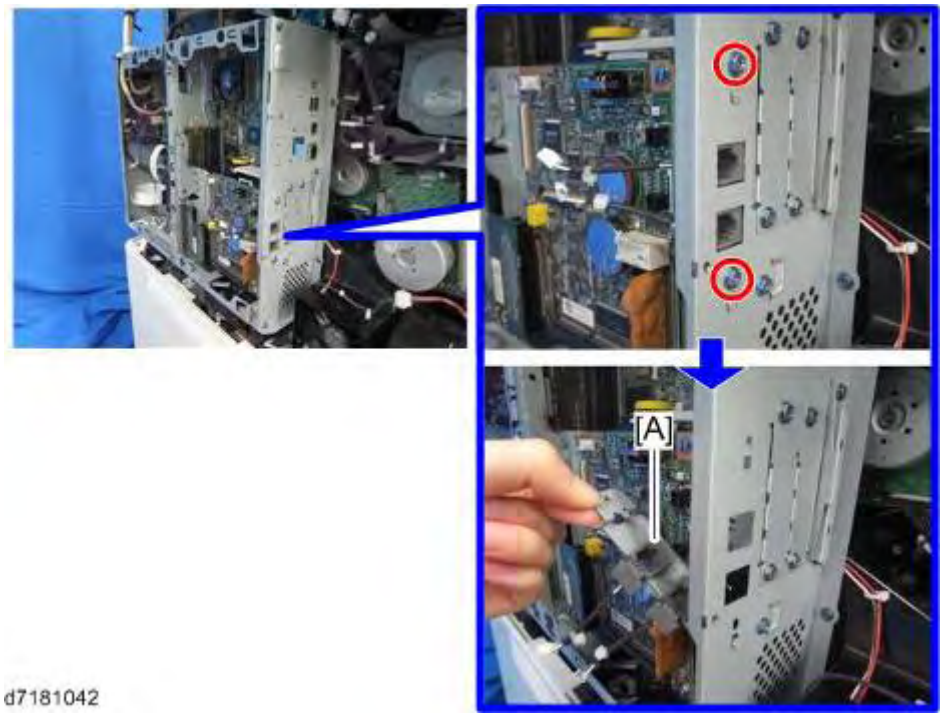
4. Remove the modular bracket [A] from the controller box. (x2)



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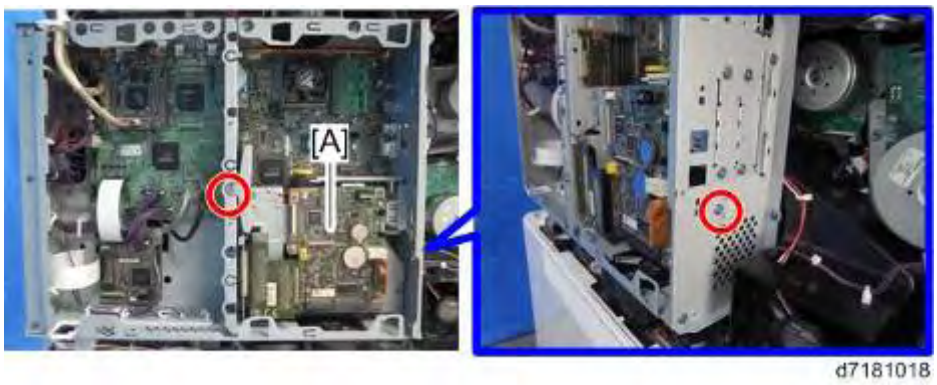
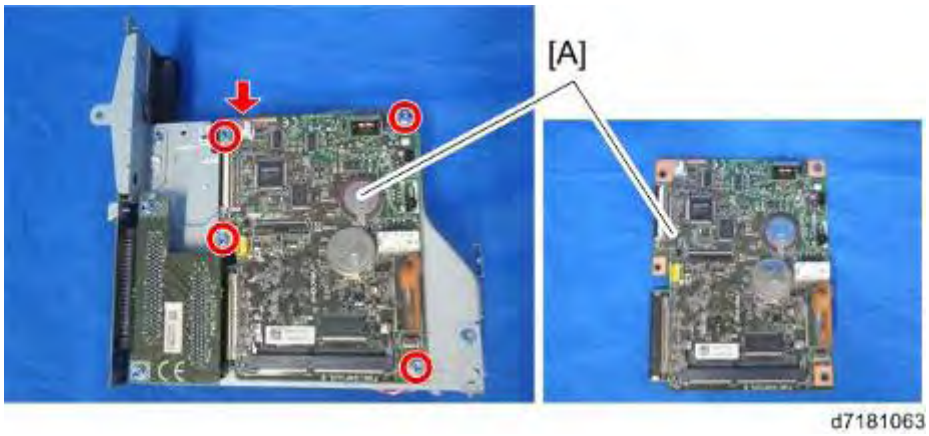
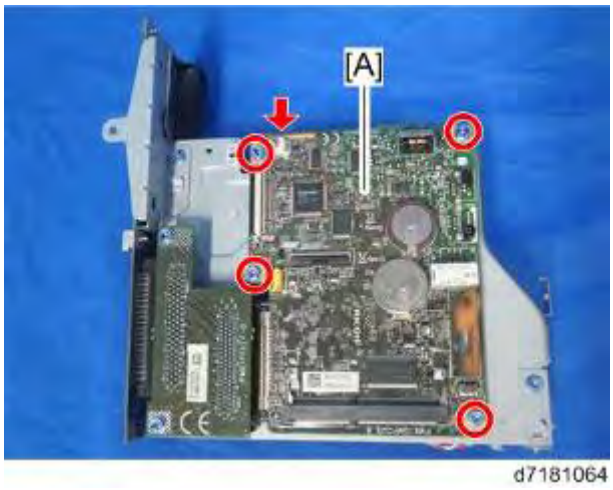
5. Remove the fax unit [A] from the controller board. (x2)



6. Remove the FCU board [A] from the fax unit. (x4, x1)



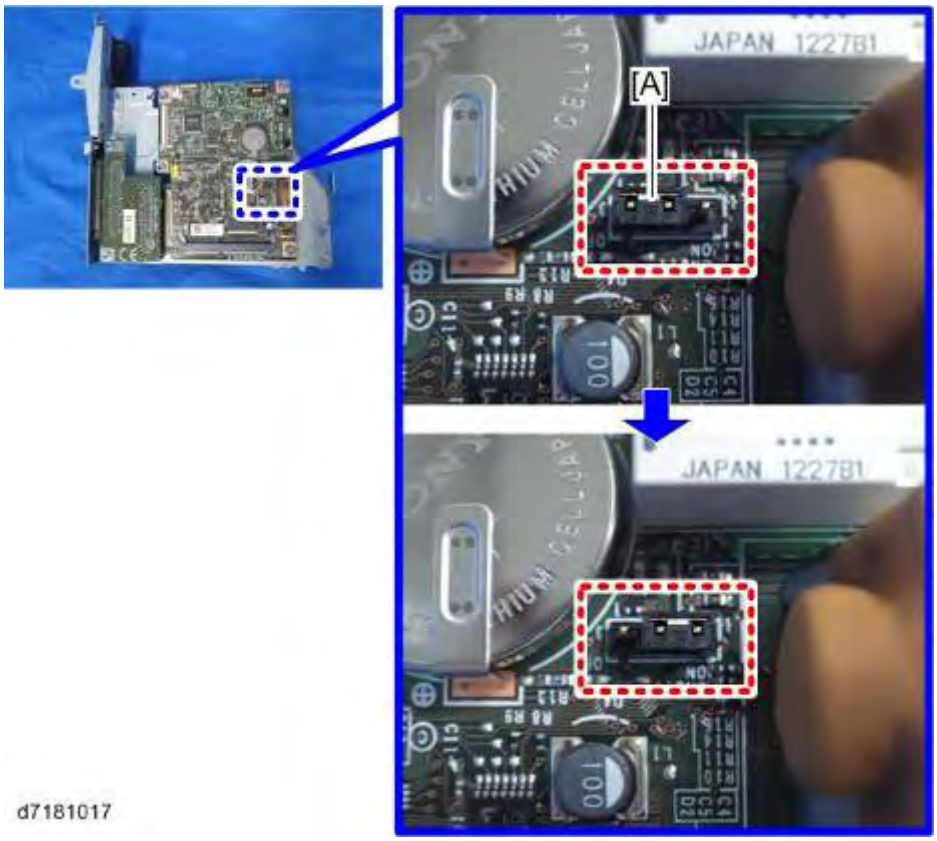
7. Install the new FCU board [A] on the fax unit. (x4, x1)



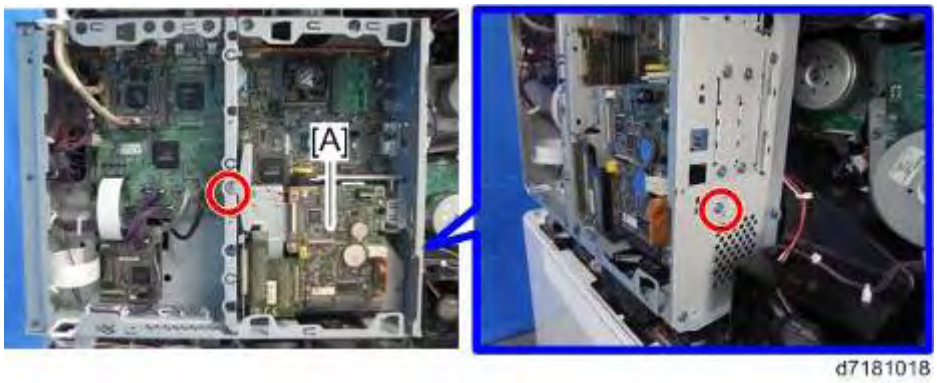
8. Switch the battery jumper switch [A] to the "ON" position on the new FCU board.

Note

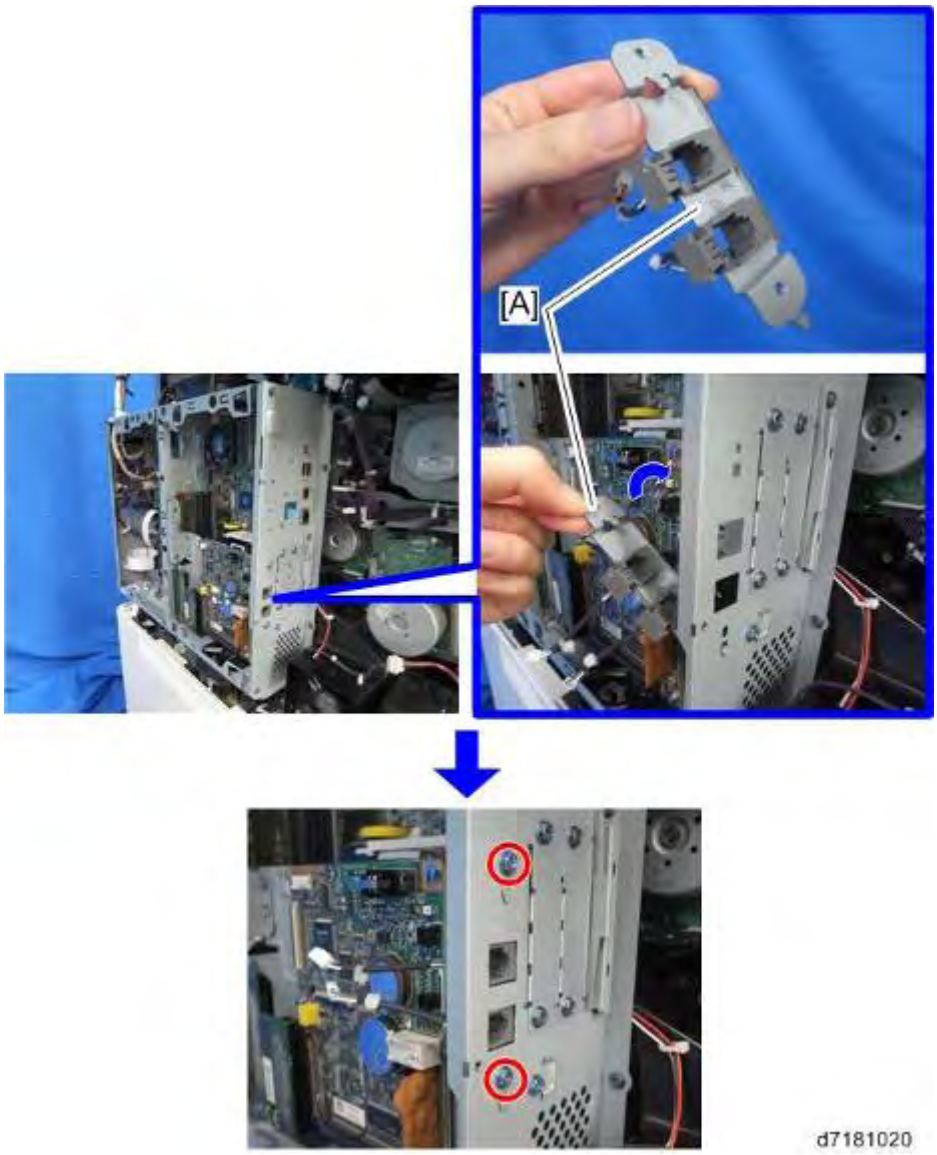
- If you don‘t switch the battery jumper switch position, the following situation will occur.
- SC820 will occur.
- The registered data will not be saved when you turn off the main power switch.



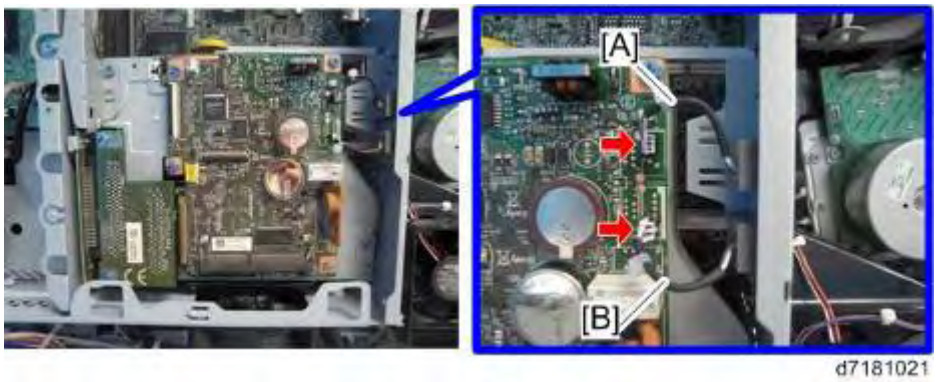
9. Install the fax unit [A] on the controller board. (x2)



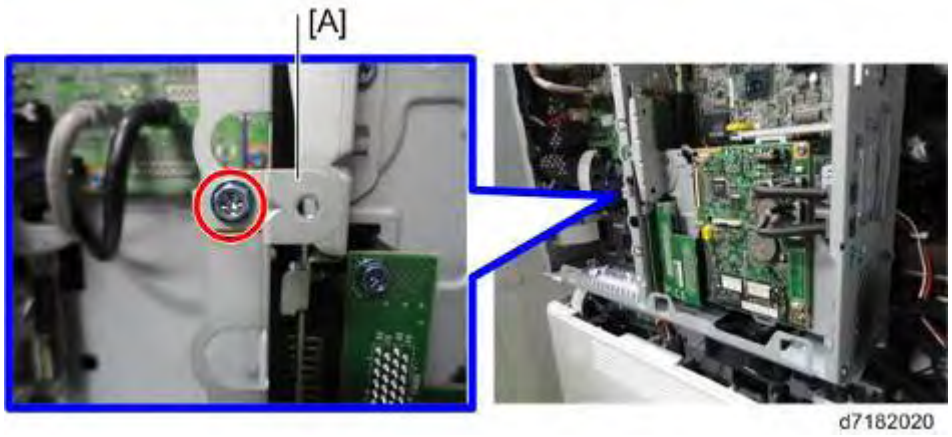
10. Attach the modular bracket [A] to the controller box. (x2)



11. Connect the two modular harnesses [A] (LINE1) and [B] (TEL) to the FCU. (x2)



12. Attach the bracket for holding the old FCU board [A]. (x1)
    This bracket is provided with the new FCU board.



13. Connect the flat flexible cable [A] to the new FCU board (x 1). This flexible cable is provided with the new FCU board.

Important

- The blue side of the flat flexible cable must face outward as shown below.

14. Attach the old FCU board [A] to the bracket.

15. Connect the flat flexible cable to the old FCU board [A].

Important

- The blue side of the flat flexible cable must face outward as shown below.

16. Attach the tab terminal to the old FCU board.

17. Turn on the main power switch.
    "SRAM formatted" shows on the operation panel after you have turned the main switch on.
    Turn the main switch off.
18. Turn on the main power switch again.
19. SRAM data transmission starts. When the transmission is completed, you will hear a beeper sound.

    Note

    - The beeper sound is the same volume as the speaker sound.
    - The beeper sounds even if the speaker sound is turned off.
    - If the beeper does not sound, turn the main power switch on and off repeatedly and do the transmission procedure 2 or 3 times.
    - If the beeper does not sound after turning the main switch on and off 3 times, you need to input the settings stored in SRAM memory manually.

20. When “Ready” appears on the copy display, turn off the main power switch, and then disconnect the flat flexible cable from the old FCU board.
21. Remove the old FCU board from the main machine (x 1).
22. Disconnect the flat flexible cable from the new FCU board.
23. Reinstall the following covers.
    - Controller box cover
    - Rear middle cover

24. Turn on the main power switch, then do SP6-101 to print the system parameter list.
25. Check the system parameter list to make sure that the data was transferred correctly.
26. Set the correct date and time with the User Tools: User Tools > System Settings > Timer Setting > Set Date/Time.

Note

- If any of the SRAM data was not transferred, input those settings manually.

3. TROUBLESHOOTING

3.1 ERROR CODES

If an error code occurs, retry the communication. If the same problem occurs, try to fix the problem as suggested below. Note that some error codes appear only in the error code display and on the service report.

Code	Meaning	Suggested Cause/Action
0-00	DIS/NSF not detected within 40 s of Start being pressed	▪ Check the line connection. ▪ The machine at the other end may be incompatible. ▪ Replace the FCU. ▪ Check for DIS/NSF with an oscilloscope. ▪ If the rx signal is weak, there may be a bad line.
0-01	DCN received unexpectedly	▪ The other party is out of paper or has a jammed printer. ▪ The other party pressed Stop during communication.
0-03	Incompatible modem at the other end	The other terminal is incompatible.
0-04	CFR or FTT not received after modem training	▪ Check the line connection. ▪ Try changing the tx level and/or cable equalizer settings. ▪ Replace the FCU. ▪ The other terminal may be faulty; try sending to another machine. ▪ If the rx signal is weak or defective, there may be a bad line. **Cross reference** Tx level - NCU Parameter 01 (PSTN) Cable equalizer - G3 Switch 07 (PSTN) Dedicated Tx parameters in Service Program Mode

Code	Meaning	Suggested Cause/Action
0-05	Modem training fails even G3 shifts down to 2400 bps.	▪ Check the line connection. ▪ Try adjusting the tx level and/or cable equalizer. ▪ Replace the FCU. ▪ Check for line problems. **Cross reference** See error code 0-04.
0-06	The other terminal did not reply to DCS	▪ Check the line connection. ▪ Try adjusting the tx level and/or cable equalizer settings. ▪ Replace the FCU. ▪ The other end may be defective or incompatible; try sending to another machine. ▪ Check for line problems. **Cross reference** See error code 0-04.
0-07	No post-message response from the other end after a page was sent	▪ Check the line connection. ▪ Replace the FCU. ▪ The other end may have jammed or run out of paper. ▪ The other end user may have disconnected the call. ▪ Check for a bad line. ▪ The other end may be defective; try sending to another machine.

Code	Meaning	Suggested Cause/Action
0-08	The other end sent RTN or PIN after receiving a page, because there were too many errors	▪ Check the line connection. ▪ Replace the FCU. ▪ The other end may have jammed, or run out of paper or memory space. ▪ Try adjusting the tx level and/or cable equalizer settings. ▪ The other end may have a defective modem/FCU; try sending to another machine. ▪ Check for line problems and noise. **Cross reference** ▪ Tx level - NCU Parameter 01 (PSTN) ▪ Cable equalizer - G3 Switch 07 (PSTN) ▪ Dedicated Tx parameters in Service Program Mode
0-14	Non-standard post message response code received	▪ Incompatible or defective remote terminal; try sending to another machine. ▪ Noisy line: resend. ▪ Try adjusting the tx level and/or cable equalizer settings. ▪ Replace the FCU. **Cross reference** See error code 0-08.
0-15	The other terminal is not capable of specific functions.	The other terminal is not capable of accepting the following functions, or the other terminal's memory is full. ▪ Confidential rx ▪ Transfer function ▪ SEP/SUB/PWD/SID

Code	Meaning	Suggested Cause/Action
0-16	CFR or FTT not detected after modem training in confidential or transfer mode	▪ Check the line connection. ▪ Replace the FCU. ▪ Try adjusting the tx level and/or cable equalizer settings. ▪ The other end may have disconnected, or it may be defective; try calling another machine. ▪ If the rx signal level is too low, there may be a line problem. **Cross reference** See error code 0-08.
0-17	Communication was interrupted by pressing the Stop key	If the Stop key was not pressed and this error keeps occurring, replace the operation panel or the operation panel drive board.
0-20	Facsimile data not received within 6 s of retraining	▪ Check the line connection. ▪ Replace the FCU. ▪ Check for line problems. ▪ Try calling another fax machine. ▪ Try adjusting the reconstruction time for the first line and/or rx cable equalizer setting. **Cross reference** Reconstruction time - G3 Switch 0A, bit 6 Rx cable equalizer - G3 Switch 07 (PSTN)
0-21	EOL signal (end-of-line) from the other end not received within 5 s of the previous EOL signal	▪ Check the connections between the FCU and line. ▪ Check for line noise or other line problems. ▪ Replace the FCU. ▪ The remote machine may be defective or may have disconnected. **Cross reference** Maximum interval between EOLs and between ECM frames - G3 Bit Switch 0A, bit 4

Code	Meaning	Suggested Cause/Action
0-22	The signal from the other end was interrupted for more than the acceptable modem carrier drop time (default: 200 ms)	▪ Check the line connection. ▪ Replace the FCU. ▪ Defective remote terminal. ▪ Check for line noise or other line problems. ▪ Try adjusting the acceptable modem carrier drop time. **Cross reference** Acceptable modem carrier drop time - G3 Switch 0A, bits 0 and 1
0-23	Too many errors during reception	▪ Check the line connection. ▪ Replace the FCU. ▪ Defective remote terminal ▪ Check for line noise or other line problems. ▪ Try asking the other end to adjust their tx level. ▪ Try adjusting the rx cable equalizer setting and/or rx error criteria. **Cross reference** Rx cable equalizer - G3 Switch 07 (PSTN) Rx error criteria - Communication Switch 02, bits 0 and 1
0-29	Data block format failure in ECM reception	▪ Check for line noise or other line problems. ▪ Check the FCU - NCU connectors. ▪ Replace the NCU or FCU.
0-30	The other terminal did not reply to NSS(A) in AI short protocol mode	▪ Check the line connection. ▪ Try adjusting the tx level and/or cable equalizer settings. ▪ The other terminal may not be compatible. **Cross reference** Dedicated tx parameters - Section 4
0-32	The other terminal sent a DCS, which contained functions that the receiving machine cannot handle.	▪ Check the protocol dump list. ▪ Ask the other party to contact the manufacturer.

Code	Meaning	Suggested Cause/Action
0-33	The data reception (not ECM) is not completed within 10 minutes.	▪ Check the line connection. ▪ The other terminal may have a defective modem/FCU.
0-52	Polarity changed during communication	▪ Check the line connection. Retry communication.
0-55	FCU does not detect the SG3.	▪ FCU firmware or board defective. ▪ SG3 firmware or board defective.
0-56	The stored message data exceeds the capacity of the mailbox in the SG3.	SG3 firmware or board defective.
0-70	The communication mode specified in CM/JM was not available (V.8 calling and called terminal)	▪ The other terminal did not have a compatible communication mode (e.g., the other terminal was a V.34 data modem and not a fax modem.) ▪ A polling tx file was not ready at the other terminal when polling rx was initiated from the calling terminal.
0-74	The calling terminal fell back to T.30 mode, because it could not detect ANSam after sending CI.	▪ The calling terminal could not detect ANSam due to noise, etc. ▪ ANSam was too short to detect. ▪ Check the line connection and condition. ▪ Try making a call to another V.8/V.34 fax.
0-75	The called terminal fell back to T.30 mode, because it could not detect a CM in response to ANSam (ANSam timeout).	▪ The terminal could not detect ANSam. ▪ Check the line connection and condition. ▪ Try receiving a call from another V.8/V.34 fax.
0-76	The calling terminal fell back to T.30 mode, because it could not detect a JM in response to CM (CM timeout).	▪ The called terminal could not detect a CM due to noise, etc. ▪ Check the line connection and condition. ▪ Try making a call to another V.8/V.34 fax.

<table>
<tr><th>Code</th><th>Meaning</th><th>Suggested Cause/Action</th></tr>
<tr><td>0-77</td><td>The called terminal fell back to T.30 mode, because it could not detect a CJ in response to JM
(JM timeout).</td><td>▪ The calling terminal could not detect a JM due to noise, etc.
▪ A network that has narrow bandwidth cannot pass JM to the other end.
▪ Check the line connection and condition.
▪ Try receiving a call from another V.8/V.34 fax.</td></tr>
<tr><td>0-79</td><td>The called terminal detected CI while waiting for a V.21 signal.</td><td>▪ Check for line noise or other line problems.
▪ If this error occurs, the called terminal falls back to T.30 mode.</td></tr>
<tr><td>0-80</td><td>The line was disconnected due to a timeout in V.34 phase 2 – line probing.</td><td rowspan="4">▪ The guard timer expired while starting these phases. Serious noise, narrow bandwidth, or low signal level can cause these errors.
If these errors happen at the transmitting terminal:
▪ Try making a call at a later time.
▪ Try using V.17 or a slower modem using dedicated tx parameters.
▪ Try increasing the tx level.
▪ Try adjusting the tx cable equalizer setting.
If these errors happen at the receiving terminal:
▪ Try adjusting the rx cable equalizer setting.
▪ Try increasing the tx level.
▪ Try using V.17 or a slower modem if the same error is frequent when receiving from multiple senders.</td></tr>
<tr><td>0-81</td><td>The line was disconnected due to a timeout in V.34 phase 3 – equalizer training.</td></tr>
<tr><td>0-82</td><td>The line was disconnected due to a timeout in the V.34 phase 4 – control channel start-up.</td></tr>
<tr><td>0-83</td><td>The line was disconnected due to a timeout in the V.34 control channel restart sequence.</td></tr>
<tr><td>0-84</td><td>The line was disconnected due to abnormal signaling in V.34 phase 4 – control channel start-up.</td><td>▪ The signal did not stop within 10 s.
▪ Turn off the main power switch, then turn it back on.
▪ If the same error is frequent, replace the FCU.</td></tr>
</table>

Code	Meaning	Suggested Cause/Action
0-85	The line was disconnected due to abnormal signaling in V.34 control channel restart.	▪ The signal did not stop within 10 s. ▪ Turn off the main power switch, then turn it back on. ▪ If the same error is frequent, replace the FCU.
0-86	The line was disconnected because the other terminal requested a data rate using MPh that was not available in the currently selected symbol rate.	▪ The other terminal was incompatible. ▪ Ask the other party to contact the manufacturer.
0-87	The control channel started after an unsuccessful primary channel.	▪ The receiving terminal restarted the control channel because data reception in the primary channel was not successful. ▪ This does not result in an error communication.
0-88	The line was disconnected because PPR was transmitted/received 9 (default) times within the same ECM frame.	▪ Try using a lower data rate at the start. ▪ Try adjusting the cable equalizer setting.
2-11	Only one V.21 connection flag was received	▪ Replace the FCU.
2-12	Modem clock irregularity	▪ Replace the FCU.
2-13	Modem initialization error	▪ Turn off the machine, then turn it back on. ▪ Update the modem ROM. ▪ Replace the FCU.
2-22	Counter overflow error of JBIG chip	If error occurs frequently, change the settings for resolution, paper size, compression type.
2-23	JBIG compression or reconstruction error	Turn off the machine, then turn it back on.
2-24	JBIG ASIC error	▪ Turn off the machine, then turn it back on.

Code	Meaning	Suggested Cause/Action
2-25	JBIG data reconstruction error (BIH error)	▪ JBIG data error ▪ Check the sender's JBIG function. ▪ Update the FCU ROM.
2-26	JBIG data reconstruction error (Float marker error)	
2-27	JBIG data reconstruction error (End marker error)	
2-28	JBIG data reconstruction error (Timeout)	
2-29	JBIG trailing edge maker error	▪ FCU defective ▪ Check the destination device.
2-50	The machine resets itself for a fatal FCU system error	▪ If this is frequent, update the ROM, or replace the FCU.
2-51	The machine resets itself because of a fatal communication error	▪ If this is frequent, update the ROM, or replace the FCU.
2-53	Snd msg() in the manual task is an error because the mailbox for the operation task is full.	▪ The user did the same operation many times, and this gave too much load to the machine.
4-01	Line current was cut	▪ Check the line connector. ▪ Check for line problems. ▪ Replace the FCU.
4-10	Communication failed because of an ID Code mismatch (Closed Network) or Tel. No./CSI mismatch (Protection against Wrong Connections)	▪ Get the ID Codes the same and/or the CSIs programmed correctly, then resend. ▪ The machine at the other end may be defective.
5-00	Data reconstruction not possible	Replace the FCU.
5-10	DCR timer expired	▪ Replace the FCU.

Code	Meaning	Suggested Cause/Action
5-20	Storage impossible because of a lack of memory	▪ Temporary memory shortage. ▪ Test the SAF memory.
5-21	Memory overflow	
5-23	Print data error when printing a substitute rx or confidential rx message	▪ Test the SAF memory. ▪ Ask the other end to resend the message.
5-25	SAF file access error	▪ Replace an SD card or HDD. ▪ Replace the FCU.
6-00	G3 ECM - T1 time out during reception of facsimile data	▪ Try adjusting the rx cable equalizer. ▪ Replace the FCU.
6-01	G3 ECM - no V.21 signal was received	
6-02	G3 ECM - EOR was received	
6-04	G3 ECM - RTC not detected	▪ Check the line connection. ▪ Check for a bad line or defective remote terminal. ▪ Replace the FCU.
6-05	G3 ECM - facsimile data frame not received within 18 s of CFR, but there was no line fail	▪ Check the line connection. ▪ Check for a bad line or defective remote terminal. ▪ Replace the FCU. ▪ Try adjusting the rx cable equalizer **Cross reference** ▪ Rx cable equalizer - G3 Switch 07 (PSTN)
6-06	G3 ECM - coding/decoding error	▪ Defective FCU. ▪ The other terminal may be defective.
6-08	G3 ECM - PIP/PIN received in reply to PPS.NULL	▪ The other end pressed Stop during communication. ▪ The other terminal may be defective.

Code	Meaning	Suggested Cause/Action
6-09	G3 ECM - ERR received	▪ Check for a noisy line. ▪ Adjust the tx levels of the communicating machines. ▪ See code 6-05.
6-10	G3 ECM - error frames still received at the other end after all communication attempts at 2400 bps	▪ Check for line noise. ▪ Adjust the tx level (use NCU parameter 01 or the dedicated tx parameter for that address). ▪ Check the line connection. ▪ Defective remote terminal.
6-21	V.21 flag detected during high speed modem communication	▪ The other terminal may be defective or incompatible.
6-22	The machine resets the sequence because of an abnormal handshake in the V.34 control channel	▪ Check for line noise. ▪ If the same error occurs frequently, replace the FCU. ▪ Defective remote terminal.
6-99	V.21 signal not stopped within 6 s	Replace the FCU.
13-17	SIP user name registration error	▪ Double registration of the SIP user name. ▪ Capacity for user-name registration in the SIP server is not sufficient.
13-18	SIP server access error	▪ Incorrect initial setting for the SIP server. ▪ Defective SIP server.
13-24	SIP authentication error	▪ Registered password in the device does not match the password in the SIP server.
13-25	Network I/F setting error	▪ IPV4 is not active in the active protocol setting. ▪ IP address of the device is not registered.
13-26	Network I/F setting error at power on	▪ Active protocol setting does not match the I/F setting for SIP server. ▪ IP address of the device is not registered.
13-27	IP address setting error	▪ IP address of the device is not registered.

Code	Meaning	Suggested Cause/Action
14-00	SMTP Send Error	▪ Error occurred during sending to the SMTP server. Occurs for any error other than 14-01 to 16. For example, the mail address of the system administrator is not registered.
14-01	SMTP Connection Failed	▪ Failed to connect to the SMTP server (timeout) because the server could not be found. ▪ The PC is not ready to transfer files. ▪ SMTP server not functioning correctly. ▪ The DNS IP address is not registered. ▪ Network not operating correctly. ▪ Destination folder selection not correct.
14-02	No Service by SMTP Service (421)	▪ SMTP server operating incorrectly, or the destination for direct SMTP sending is not correct. ▪ Contact the system administrator and check that the SMTP server has the correct settings and operates correctly. ▪ Contact the system administrator for direct SMTP sending and check the sending destination.

Code	Meaning	Suggested Cause/Action
14-03	Access to SMTP Server Denied (450)	▪ Failed to access the SMTP server because the access is denied. ▪ SMTP server operating incorrectly. Contact the system administrator to determine if there is a problem with the SMTP server and to check that the SMTP server settings are correct. ▪ Folder send destination is incorrect. Contact the system administrator to determine that the SMTP server settings and path to the server are correct. ▪ Device settings incorrect. Confirm that the user name and password settings are correct. ▪ Direct SMTP destination incorrect. Contact the system administrator to determine if there is a problem at the destination at that the settings at the destination are correct.
14-04	Access to SMTP Server Denied (550)	▪ SMTP server operating incorrectly ▪ Direct SMTP sending not operating correctly

Code	Meaning	Suggested Cause/Action
14-05	SMTP Server HDD Full (452)	▪ Failed to access the SMTP server because the HDD on the server is full. ▪ Insufficient free space on the HDD of the SMTP server. Contact the system administrator and check the amount of space remaining on the SMTP server HDD. ▪ Insufficient free space on the HDD where the destination folder is located. Contact the system administrator and check the amount of space remaining on the HDD where the target folder is located. ▪ Insufficient free space on the HDD at the target destination for SMTP direct sending. Contact the system administrator and check the amount of space remaining on the target HDD. ▪ Mail data size is too large for SMTP direct sending. Contact the system administrator of the SMTP direct sending and check the setting of the mail data size. (Default is 2MB) Check the data size of the mail you want to send.
14-06	User Not Found on SMTP Server (551)	▪ The designated user does not exist. ▪ The designated user does not exist on the SMTP server. ▪ The designated address is not for use with direct SMTP sending.

Code	Meaning	Suggested Cause/Action
14-07	Data Send to SMTP Server Failed (4XX)	▪ Failed to access the SMTP server because the transmission failed. ▪ PC not operating correctly. ▪ SMTP server operating incorrectly ▪ Network not operating correctly. ▪ Destination folder setting incorrect. ▪ Direct SMTP sending not operating correctly.
14-08	Data Send to SMTP Server Failed (5XX)	▪ Failed to access the SMTP server because the transmission failed. ▪ SMTP server operating incorrectly ▪ Destination folder setting incorrect. ▪ Direct SMTP sending not operating correctly. ▪ Software application error.
14-09	Authorization Failed for Sending to SMTP Server	▪ POP-Before-SMTP or SMTP authorization failed. ▪ Incorrect setting for file transfer
14-10	Addresses Exceeded	▪ Number of broadcast addresses exceeded the limit for the SMTP server.
14-11	Buffer Full	▪ The send buffer is full so the transmission could not be completed. Buffer is full due to using Scan-to-Email while the buffer is being used send mail at the same time.
14-12	Data Size Too Large	▪ Transmission was cancelled because the detected size of the file was too large.
14-13	Send Cancelled	▪ Processing is interrupted because the user pressed Stop.
14-14	Security Locked File Error	▪ Update the software because of the defective software.

Code	Meaning	Suggested Cause/Action
14-15	Mail Data Error	▪ The transmitting a mail is interrupted via DCS due to the incorrect data. ▪ Update the software because of the defective software.
14-16	Maximum Division Number Error	▪ When a mail is divided for the mail transmission and the division number of a mail are more than the specified number, the mail transmission is interrupted. ▪ Update the software because of the defective software.
14-17	Incorrect Ticket	▪ Update the software because of the defective software.
14-18	Access to MCS File Error	▪ The access to MCS file is denied due to the no permission of access. ▪ Update the software because of the defective software.
14-20	SMTP Authentication error	Make sure the administrator's e-mail address is same as the SMTP authentication address or POP before SMTP address.
14-21	Transmission error of S/MIME	Register the correct user certificate and device certificate.
14-30	MCS File Creation Failed	Failed to create the MCS file because: ▪ The number of files created with other applications on the Document Server has exceeded the limit. ▪ HDD is full or not operating correctly. ▪ Software error.
14-31	UFS File Creation Failed	UFS file could not be created: ▪ Not enough space in UFS area to handle both Scan-to-Email and IFAX transmission. ▪ HDD full or not operating correctly. ▪ Software error.

Code	Meaning	Suggested Cause/Action
14-32	Cancelled the Mail Due to Error Detected by NFAX	▪ Error detected with NFAX and send was cancelled due to a software error.
14-33	No Mail Address For the Machine	▪ Neither the mail address of the machine nor the mail address of the network administrator is registered.
14-34	Address designated in the domain for SMTP sending does not exist	▪ Operational error in normal mail sending or direct SMTP sending. ▪ Check the address selected in the address book for SMTP sending. ▪ Check the domain selection.
14-50	Mail Job Task Error	Due to an FCU mail job task error, the send was cancelled: ▪ Address book was being edited during creation of the notification mail. ▪ Software error.
14-51	UCS Destination Download Error	Not even one return notification can be downloaded: ▪ The address book was being edited. ▪ The number for the specified destination does not exist (it was deleted or edited after the job was created).
14-60	Send Cancel Failed	▪ The cancel operation by the user failed to cancel the send operation.
14-61	Notification Mail Send Failed for All Destinations	▪ All addresses for return notification mail failed.
14-62	Transmission Error due to the existence of zero line page	▪ When the 0 line page exists in received pages with G3 communication, the transmission is interrupted.
15-01	POP3/IMAP4 Server Not Registered	▪ At startup, the system detected that the IP address of the POP3/IMAP4 server has not been registered in the machine.

Code	Meaning	Suggested Cause/Action
15-02	POP3/IMAP4 Mail Account Information Not Registered	▪ The POP3/IMAP4 mail account has not been registered.
15-03	Mail Address Not Registered	▪ The mail address has not been registered.
15-10	DCS Mail Receive Error	▪ Error other than 15-11 to 15-18.
15-11	Connection Error	The DNS or POP3/IMAP4 server could not be found: ▪ The IP address for DNS or POP3/IMAP4 server is not stored in the machine. ▪ The DNS IP address is not registered. ▪ Network not operating correctly.
15-12	Authorization Error	POP3/IMAP4 send authorization failed: ▪ Incorrect IFAX user name or password. ▪ Access was attempted by another device, such as the PC. ▪ POP3/IMAP4 settings incorrect.
15-13	Receive Buffer Full	▪ Occurs only during manual reception. Transmission cannot be received due to insufficient buffer space. The buffer is being used for mail send or Scan-to-Email.
15-14	Mail Header Format Error	▪ The mail header is not standard format. For example, the Date line description is incorrect.
15-15	Mail Divide Error	▪ The e-mail is not in standard format. There is no boundary between parts of the e-mail, including the header.
15-16	Mail Size Receive Error	▪ The mail cannot be received because it is too large.
15-17	Receive Timeout	▪ May occur during manual receiving only because the network is not operating correctly.
15-18	Incomplete Mail Received	▪ Only one portion of the mail was received.

Code	Meaning	Suggested Cause/Action
15-31	Final Destination for Transfer Request Reception Format Error	▪ The format of the final destination for the transfer request was incorrect.
15-39	Send/Delivery Destination Error	The transmission cannot be delivered to the final destination: ▪ Destination file format is incorrect. ▪ Could not create the destination for the file transmission.
15-41	SMTP Receive Error	▪ Reception rejected because the transaction exceeded the limit for the “Auth. E-mail RX” setting.
15-42	Off Ramp Gateway Error	▪ The delivery destination address was specified with Off Ramp Gateway OFF.
15-43	Address Format Error	▪ Format error in the address of the Off Ramp Gateway.
15-44	Addresses Over	▪ The number of addresses for the Off Ramp Gateway exceeded the limit of 30.
15-61	Attachment File Format Error	▪ The attached file is not TIFF format.
15-62	TIFF File Compatibility Error	Could not receive transmission due to: ▪ Resolution error ▪ Image of resolution greater than 200 dpi without extended memory. ▪ Resolution is not supported. ▪ Page size error ▪ The page size was larger than A3. ▪ Compression error ▪ File was compressed with other than MH, MR, or MMR.

Code	Meaning	Suggested Cause/Action
15-63	TIFF Parameter Error	The TIFF file sent as the attachment could not be received because the TIFF header is incorrect: ▪ The TIFF file attachment is a type not supported. ▪ The TIFF file attachment is corrupted. ▪ Software error.
15-64	TIFF Decompression Error	The file received as an attachment caused the TIFF decompression error: ▪ The TIFF format of the attachment is corrupted. ▪ Software error.
15-71	Not Binary Image Data	▪ The file could not be received because the attachment was not binary image data.
15-73	MDN Status Error	▪ Could not find the Disposition line in the header of the Return Receipt, or there is a problem with the firmware.
15-74	MDN Message ID Error	▪ Could not find the Original Message ID line in the header of the Return Receipt, or there is a problem with the firmware.
15-80	Mail Job Task Read Error	▪ Could not receive the transmission because the destination buffer is full and the destination could not be created (this error may occur when receiving a transfer request or a request for notification of reception).
15-81	Repeated Destination Registration Error	▪ Could not repeat receive the transmission because the destination buffer is full and the destination could not be created (this error may occur when receiving a transfer request or a request for notification of reception).

Code	Meaning	Suggested Cause/Action
15-91	Send Registration Error	Could not receive the file for transfer to the final destination: ▪ The format of the final destination or the transfer destination is incorrect. ▪ Destinations are full so the final and transfer destinations could not be created.
15-92	Memory Overflow	▪ Transmission could not be received because memory overflowed during the transaction.
15-93	Memory Access Error	▪ Transaction could not complete due to a malfunction of SAF memory.
15-94	Incorrect ID Code	▪ The machine rejected an incoming e-mail for transfer request, because the ID code in the incoming e-mail did not match the ID code registered in the machine.
15-95	Transfer Station Function	▪ The machine rejected an incoming e-mail for transfer because the transfer function was unavailable.
22-00	Original length exceeded the maximum scan length	▪ Divide the original into more than one page. ▪ Check the resolution used for scanning. Lower the scan resolution if possible. ▪ Add optional page memory.
22-01	Memory overflow while receiving	▪ Wait for the files in the queue to be sent. ▪ Delete unnecessary files from memory. ▪ Transfer the substitute reception files to an another fax machine, if the machine's printer is busy or out of order. ▪ Add an optional SAF memory card or hard disk.

Code	Meaning	Suggested Cause/Action
22-02	Tx or rx job stalled due to line disconnection at the other end	▪ The job started normally but did not finish normally; data may or may not have been received fully. ▪ Restart the machine.
22-04	The machine cannot store received data in the SAF	▪ Update the ROM ▪ Replace the FCU.
22-05	No G3 parameter confirmation answer	▪ Defective FCU board or firmware.
23-00	Data read timeout during construction	▪ Restart the machine. ▪ Replace the FCU.
25-00	The machine software resets itself after a fatal transmission error occurred	▪ Update the ROM ▪ Replace the FCU.
F0-xx	V.34 modem error	▪ Replace the FCU.
F6-xx	SG3 modem error	▪ Update the SG3 modem ROM. ▪ Replace the SG3 board. ▪ Check for line noise or other line problems. ▪ Try communicating another V.8/V.34 fax.

3.2 IFAX TROUBLESHOOTING

Use the following procedures to determine whether the machine or another part of the network is causing the problem.

Communication Route	Item	Action [Remarks]
General LAN	1. Connection with the LAN	▪ Check that the LAN cable is connected to the machine. ▪ Check that the LEDs on the hub are lit.
	2. LAN activity	Check that other devices connected to the LAN can communicate through the LAN.
Between IFAX and PC	1. Network settings on the PC	▪ Check the network settings on the PC. [Is the IP address registered in the TCP/IP properties in the network setup correct? Check the IP address with the administrator of the network.]
	2. Check that PC can connect with the machine	▪ Use the “ping” command on the PC to contact the machine. [At the MS-DOS prompt, type ping then the IP address of the machine, then press Enter.]
	3. LAN settings in the machine	▪ Check the LAN parameters ▪ Check if there is an IP address conflict with other PCs. [Use the “Network” function in the User Tools. If there is an IP address conflict, inform the administrator.]

Communication Route	Item	Action [Remarks]
Between machine and e-mail server	1. LAN settings in the machine	▪ Check the LAN parameters ▪ Check if there is an IP address conflict with other PCs. [Use the “Network” function in the User Tools. If there is an IP address conflict, inform the administrator.]
	2. E-mail account on the server	▪ Make sure that the machine can log into the e-mail server. ▪ Check that the account and password stored in the server are the same as in the machine. [Ask the administrator to check.]
	3. E-mail server	▪ Make sure that the client devices which have an account in the server can send/receive e-mail. [Ask the administrator to check. Send a test e-mail with the machine’s own number as the destination. The machine receives the returned e-mail if the communication is performed successfully.]
Between e-mail server and internet	1. E-mail account on the Server	▪ Make sure that the PC can log into the e-mail server. ▪ Check that the account and password stored in the server are the same as in the machine. [Ask the administrator to check.]

Communication Route	Item	Action [Remarks]
	2. E-mail server	▪ Make sure that the client devices which have an account in the server can send/receive e-mail. [Ask the administrator to check. Send a test e-mail with the machine's own number as the destination. The machine receives the returned e-mail if the communication is performed successfully.]
	3. Destination e-mail address	▪ Make sure that the e-mail address is actually used. ▪ Check that the e-mail address contains no incorrect characters such as spaces.
	4. Router settings	▪ Use the "ping" command to contact the router. ▪ Check that other devices connected to the router can sent data over the router. [Ask the administrator of the server to check.]
	5. Error message by e-mail from the network of the destination.	▪ Check whether e-mail can be sent to another address on the same network, using the application e-mail software. ▪ Check the error e-mail message. [Inform the administrator of the LAN.]

3.3 IP-FAX TROUBLESHOOTING

3.3.1 IP-FAX TRANSMISSION

Cannot send by IP Address/Host Name

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	Specified IP address/host name correct?	Check the IP address/host name.
3	Firewall/NAT is installed?	Cannot breach the firewall. Send by using another method (Fax, Internet Fax)
4	Transmission sent manually?	Manual sending not supported.
5	IP address of local machine registered?	Register the IP address.
6	Remote terminal port number setting other than 1720 (when using H.323) or 5060 (when using SIP)?	Send by specifying the port number.
7	Specified port number correct?	Confirm the port number of the remote fax.
8	DNS server registered when host name specified?	Contact the network administrator.
9	Remote fax a T.38 terminal?	Check whether the remote fax is a T38 terminal.
10	Remote fax switched off or busy?	Check that the remote fax is switched on.
11	Network bandwidth too narrow?	Request the network administrator to increase the bandwidth.
		Raise the delay level. IPFAX SW 01 Bit 0 to 3

		IP-Fax bandwidth is the same as the DCS speed. Set IP-Fax SW00 Bit 6 to 1.
12	Remote fax cancelled transmission?	Check whether the remote fax cancelled the transmission.

Cannot send via VoIP Gateway

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	VoIP Gateway T.38 standard?	Contact the network administrator.
3	VoIP Gateway installed correctly?	Contact the network administrator.
4	VoIP Gateway power switched on?	Contact the network administrator.
5	Is the IP address/host name of the specified Gateway correct?	Check the IP address/host name.
6	Number of the specified fax correct?	Check the remote fax number.
7	Firewall/NAT is installed?	Cannot breach the firewall. Send by using another method (Fax, Internet Fax)
8	Transmission sent manually?	Manual sending not supported.
9	IP address of local fax registered?	Register the IP address.
10	DNS registered when host name specified?	Contact the network administrator.
11	Remote fax a G3 fax?	Check that the remote fax is a G3 fax.
12	G3 fax is connected to VoIP gateway?	Check that G3 fax is connected.
13	Remote G3 fax turned on?	Check that G3 fax is switched on.

14	Network bandwidth too narrow?	Request the network administrator to increase the bandwidth.
		Raise the network delay level. IPFAX SW 01 Bit 0 to 3
		IP-Fax bandwidth is the same as the DCS speed. Set IP-Fax SW00 Bit 6 to 1.

Cannot send by Alias Fax number.

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	Number of specified Alias fax correct?	Confirm the Alias of the remote fax. Error Code: 13-14
3	Firewall/NAT installed?	Cannot breach the firewall. Send by using another method (Fax, Internet Fax)
4	Transmission sent manually?	Manual sending not supported.
5	Gatekeeper/SIP server installed correctly?	Contact the network administrator.
6	Gatekeeper/SIP server power switched on?	Contact the network administrator.
7	IP address/host name of Gatekeeper/SIP server correct?	Check the IP address/host name.
8	DNS server registered when Gatekeeper/SIP server host name specified?	Contact the network administrator.
9	Enable H.323/Enable SIP SW is set to on?	Check the settings. See User Parameter SW 34 Bit 0/SW 34 Bit 1
10	IP address of local fax registered?	Register the IP address of the local fax.

11	Alias number of local fax registered?	Register the Alias number of the local fax.
12	Remote fax registered in Gatekeeper?	Contact the network administrator.
13	Remote fax a T.38 terminal?	Check whether the remote fax is a T38 terminal.
14	Remote fax switched off or busy?	Contact the network administrator.
15	Network bandwidth too narrow?	Request the system administrator to increase the bandwidth.
		Raise the delay level. IPFAX SW 01 Bit 0 to 3
		Lower the modem transmission baud rate. IPFAX SW 05
16	Remote fax cancelled transmission?	Check whether the remote fax cancelled the transmission.

3.3.2 IP-FAX RECEPTION

Cannot receive via IP Address/Host Name.

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	Firewall/NAT is installed?	Cannot breach the firewall. Send by using another method (Fax, Internet Fax)
3	IP address of local fax registered?	Register the IP address.
4	Port number specified at remote sender fax (if required)?	Request the sender to specify the port number.
5	Specified port number correct (if required)?	Request the sender to check the port number.
6	DNS server registered when host name specified on sender side?	Contact the network administrator. Note ▪ The sender machine displays this error code if the sender fax is a Ricoh model.
7	Network bandwidth too narrow?	Request the system administrator to increase the bandwidth.
		Lower the start modem reception baud rate on the receiving side. IPFAX SW06
8	Remote fax cancelled transmission?	Check whether the remote fax cancelled the transmission.

Cannot receive by VoIP Gateway.

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	Firewall/NAT is installed?	Cannot breach the firewall. Request the remote fax to send by using another method (Fax, Internet Fax)
3	VoIP Gateway installed correctly?	Contact the network administrator.
4	VoIP Gateway power switched on?	Contact the network administrator.
5	IP address/host name of specified VoIP Gateway correct on sender's side?	Request the remote fax to check the IP address/host name.
6	DNS server registered when host name specified on sender side?	Contact the network administrator.
7	Network bandwidth too narrow?	Request the network administrator to increase the bandwidth.
8	G3 fax connected?	Check that G3 fax is connected.
9	G3 fax power switched on?	Check that G3 fax is switched on.

Cannot receive by Alias Fax number.

Check Point		Action
1	LAN cable connected?	Check the LAN cable connection.
2	Firewall/NAT is installed?	Cannot the breach firewall. Request the remote fax to send by using another method (Fax, Internet Fax)
3	Gatekeeper/SIP server installed correctly?	Contact the network administrator. Note ▪ The sender machine displays this error code when the sender fax is a Ricoh model.
4	Power to Gatekeeper/SIP server switched on?	Contact the network administrator. Note ▪ The sender machine displays this error code when the sender fax is a Ricoh model.
5	IP address/host name of Gatekeeper/SIP server correct on the sender's side?	Request the sender to check the IP address/host name. Note ▪ The sender machine displays this error code when the sender fax is a Ricoh model.
6	DNS server registered when Gatekeeper/SIP server host name specified on sender's side?	Contact the network administrator. Note ▪ The sender machine displays this error code when the sender fax is a Ricoh model.
7	Enable H.323/Enable SIP SW is set to on?	Request the sender to check the settings. User Parameter SW 34 Bit 0/SW 34 Bit 1 Note ▪ Only if the remote sender fax is a Ricoh fax.

8	Local fax IP address registered?	Register the IP address.
9	Local fax Alias number registered?	Register the Alias number.
10	Network bandwidth too narrow?	Request the system administrator to increase the bandwidth.
		Lower the start modem reception baud rate on the receiving side. IPFAX SW06
11	Remote fax cancelled transmission?	Check whether the remote fax cancelled the transmission.
12	Local fax registered in Gatekeeper/SIP server?	Contact the network administrator. Note ▪ The sender machine displays this error code when the sender fax is a Ricoh model.

4. SERVICE TABLES

4.1 CAUTIONS

Important

- 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 power switch to switch the power off, wait for the power LED to go off, and then switch the main power switch off.

Note

- 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.

4.2 SERVICE PROGRAM TABLES

4.2.1 SP1-XXX (BIT SW)

☛ page 79 "Bit Switches - 1"

1	Mode No.		Function
101	System Switch		
	001 – 032	00 – 1F	Change the bit switches for system settings for the fax option ☛ "page 79 "Bit Switches - 1"" : "System Switches"
102	Ifax Switch		
	001 – 016	00 – 0F	Change the bit switches for internet fax settings for the fax option ☛ "page 95 "Bit Switches - 2"" : "I-Fax Switches"
103	Printer Switch		
	001 – 016	00 – 0F	Change the bit switches for printer settings for the fax option ☛ "page 95 "Bit Switches - 2"" : "Printer Switches"
104	Communication Switch		
	001 – 032	00 – 1F	Change the bit switches for communication settings for the fax option ☛ "page 110 "Bit Switches - 3"" : "Communication Switches"
105	G3-1 Switch		
	001 – 016	00 – 0F	Change the bit switches for the protocol settings of the standard G3 board ☛ "page 122 "Bit Switches - 4"" : "G3 Switches"
106	G3-2 Switch		

	001 – 016	00 – 0F	Change the bit switches for the protocol settings of the optional G3 board ☛ "page 132 "Bit Switches - 5"" : "G3-2 and G3-3 Switches"
107	G3-3 Switch		
	001 – 016	00 – 0F	Change the bit switches for the protocol settings of the optional G3 board ☛ " page 132 "Bit Switches - 5"" : "G3-2 and G3-3 Switches"
108	G4 Internal Switch		
	001 – 032	00 – 1F	**Not used** (Do not change the bit switches)
109	G4 Parameter Switch		
	001 – 016	00 – 0F	**Not used** (Do not change the bit switches)
111	IP fax Switch		
	001 – 016	00 – 0F	Change the bit switches for optional IP fax parameters ☛ " page 141 "Bit Switches - 6" : "IP Fax Switches"

4.2.2 SP2-XXX (RAM)

2	Mode No.		Function
101	RAM Read/Write		
	001		Change RAM data for the fax board directly. ☛ page 174 "Service RAM Addresses"
102	Memory Dump		
	001	G3-1 Memory Dump	Print out RAM data for the fax board. ☛ page 174 "Service RAM Addresses"
	002	G3-2 Memory Dump	Print out RAM data for the optional SG3 board.
	003	G3-3 Memory Dump	Print out RAM data for the optional SG3 board.
	004	G4 Memory Dump	Not used
103	G3-1 NCU Parameters		
	001 – 023	CC, 01 – 22	NCU parameter settings for the standard G3 board. ☛ page 150 "NCU Parameters"
104	G3-2 NCU Parameters		
	001 – 023	CC, 01 – 22	NCU parameter settings for the optional G3 board. ☛ page 150 "NCU Parameters"
105	G3-3 NCU Parameters		
	001 – 023	CC, 01 – 22	NCU parameter settings for the optional G3 board. ☛ page 150 "NCU Parameters"

4.2.3 SP3-XXX (MACHINE SET)

3	Mode No.		Function
101	Service Station		
	001	Fax Number	Enter the fax number of the service station.
	002	Select Line	Select the line type.
102	Serial Number		
	000		Enter the fax unit's serial number.
103	PSTN-1 Port Settings		
	001	Select Line	Select the line type setting for the G3-1 line. If the machine is installed on a PABX line, select "PABX", "PABX(GND)" or "PABX(FLASH)".
	002	PSTN Access Number	Enter the PSTN access number for the G3-1 line.
	003	Memory Lock Disabled	Not used
104	PSTN-2 Port Settings		
	001	Select Line	Select the line setting for the G3-2 line. If the machine is installed on a PABX line, select "PABX", "PABX(GND)" or "PABX(FLASH)".
	002	PSTN Access Number	Enter the PSTN access number for the G3-2 line.
	003	Memory Lock Disabled	Not used
	004	Transmission Disabled	If you turn this SP on, the machine does not send any fax messages on the G3-2 line.
105	PSTN-3 Port Settings		

	001	Select Line	Select the line setting for the G3-3 line. If the machine is installed on a PABX line, select “PABX”, “PABX(GND)” or “PABX(FLASH)”.
	002	PSTN Access Number	Enter the PSTN access number for the G3-3 line.
	003	Memory Lock Disabled	Not used
	004	Transmission Disabled	If you turn this SP on, the machine does not send any fax messages on the G3-3 line.
106	ISDN Port Settings		
	001	Select Line	**Not used** (Do not change the settings.)
	002	PSTN Access Number	
	003	Memory Lock Disabled	
	004	Transmission Disabled	
107	IPFAX Port Settings		
	001	H323 Port	Sets the H323 port number.
	002	SIP Port	Sets the SIP port number.
	003	RAS Port	Sets the RAS port number.
	004	Gatekeeper port	Sets the Gatekeeper port number.
	005	T.38 Port	Sets the T.38 port number.
	006	SIP Server Port	Sets the SIP port number.
	007	IPFAX Protocol Priority	Select "H323" or "SIP".
201	FAX SW		
	001 – 032	00 – 1F	

4.2.4 SP4-XXX (ROM VERSIONS)

4	Mode No.		Function
101	001	FCU ROM Version	Displays the FCU ROM version.
102	001	Error Codes	Displays the latest 64 fax error codes.
103	001	G3-1 ROM Version	Displays the G3-1 modem version.
104	001	G3-2 ROM Version	Displays the G3-2 modem version.
105	001	G3-3 ROM Version	Displays the G3-3 modem version.
106	001	G4 ROM Version	**Not used** (Do not change the settings.)

4.2.5 SP5-XXX (RAM CLEAR)

5	Mode No.	Function
101	Initialize SRAM (except Secure)	
	000	Initializes the bit switches and user parameters, user data in the SRAM, files in the SAF memory, and clock.
102	Erase All Files	
	000	Erases all files stored in the SAF memory.
103	Reset Bit Switches (except Secure)	
	000	Resets the bit switches and user parameters.
104	Factory Setting	
	000	Resets the bit switches and user parameters, user data in the SRAM and files in the SAF memory.
105	Reset All Bit Switches	
	000	Resets all the current bit switch settings.
106	Reset Security Bit Switches	
	000	Resets only the security bit switches. If you select automatic output/display for the user parameter switches, the security settings are initialized.

4.2.6 SP6-XXX (REPORTS)

6	Mode No.		Function
101	System Parameter List		
	000	-	Touch the “ON” button to print the system parameter list.
102	Service Monitor Report		
	000	-	Touch the “ON” button to print the service monitor report.
103	G3 Protocol Dump List		
	001	G3 All Communications	Prints the protocol dump list of all communications for all G3 lines.
	002	G3-1 (All Communications)	Prints the protocol dump list of all communications for the G3-1 line.
	003	G3-1 (1 Communication)	Prints the protocol dump list of the last communication for the G3-1 line.
	004	G3-2 (All Communications)	Prints the protocol dump list of all communications for the G3-2 line.
	005	G3-2 (1 Communication)	Prints the protocol dump list of the last communication for the G3-2 line.
	006	G3-3 (All Communications)	Prints the protocol dump list of all communications for the G3-3 line.
	007	G3-3 (1 Communication)	Prints the protocol dump list of the last communication for the G3-3 line.

<table>
<tr><td rowspan="7">104</td><td colspan="3">G4 Protocol Dump List</td></tr>
<tr><td>001</td><td>Dch + Bch 1</td><td rowspan="6">Not used (Do not change the settings.)</td></tr>
<tr><td>002</td><td>Dch</td></tr>
<tr><td>003</td><td>Bch 1 Link Layer</td></tr>
<tr><td>004</td><td>Dch Link Layer</td></tr>
<tr><td>005</td><td>Dch +Bch 2</td></tr>
<tr><td>006</td><td>Bch 2 Link Layer</td></tr>
<tr><td rowspan="2">105</td><td colspan="3">All Files print out</td></tr>
<tr><td>000</td><td>-</td><td>Prints out all the user files in the SAF memory, including confidential messages.
Note
▪ Do not use this function, unless the customer is having trouble printing confidential messages or recovering files stored using the memory lock feature.</td></tr>
<tr><td rowspan="3">106</td><td colspan="3">Journal Print out</td></tr>
<tr><td>001</td><td>All Journals</td><td>The machine prints all the communication records on the report.</td></tr>
<tr><td>002</td><td>Specified Date</td><td>The machine prints all communication records after the specified date.</td></tr>
</table>

107	Log List Print out		
	001	All log files	These log print out functions are for designer use only.
	002	Printer	
	003	SC/TRAP Stored	
	004	Decompression	
	005	Scanner	
	006	JOB/SAF	
	007	Reconstruction	
	008	JBIG	
	009	Fax Driver	
	010	G3CCU	
	011	Fax Job	
	012	CCU	
	013	Scanner Condition	
108	IP Protocol Dump List		
	001	All Communications	Prints the protocol dump list of all communications for the IP fax line.
	002	1 Communication	Prints the protocol dump list of the last communication for the IP fax line.

4.2.7 SP7-XXX (TESTS)

These are the test modes for PTT approval.

7	Function
101	G3-1 Modem Tests
102	G3-1 DTMF Tests
103	Ringer Test
104	G3-1 V34 (S2400baud)
105	G3-1 V34 (S2800baud)
106	G3-1 V34 (S3000baud)
107	G3-1 V34 (S3200baud)
108	G3-1 V34 (S3429baud)
109	Recorded Message Test
110	G3-2 Modem Tests
111	G3-2 DTMF Tests
112	G3-2 V34 (S2400baud)
113	G3-2 V34 (S2800baud)
114	G3-2 V34 (S3000baud)
115	G3-2 V34 (S3200baud)
116	G3-2 V34 (S3429baud)
117	G3-3 Modem Tests
118	G3-3 DTMF Tests
119	G3-3 V34 (S2400baud)
120	G3-3 V34 (S2800baud)
121	G3-3 V34 (S3000baud)
122	G3-3 V34 (S3200baud)

123	G3-3 V34 (S3429baud)
124	IG3-1 Modem Tests - **Not used**
125	IG3-1 DTMF Tests - **Not used**
126	IG3-1 V34 (S2400baud) - **Not used**
127	IG3-1 V34 (S2800baud) - **Not used**
128	IG3-1 V34 (S3000baud) - **Not used**
129	IG3-1 V34 (S3200baud) - **Not used**
130	IG3-1 V34 (S3429baud) - **Not used**
131	IG3-2 Modem Tests - **Not used**
132	IG3-2 DTMF Tests - **Not used**
133	IG3-2 V34 (S2400baud) - **Not used**
134	IG3-2 V34 (S2800baud) - **Not used**
135	IG3-2 V34 (S3000baud) - **Not used**
136	IG3-2 V34 (S3200baud) - **Not used**
137	IG3-2 V34 (S3429baud) - **Not used**

4.3 BIT SWITCHES - 1

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

4.3.1 SYSTEM SWITCHES

System Switch 00 (SP No. 1-101-001)		
No	**Function**	**Comments**
0	Dedicated transmission parameter programming 0: Disabled 1: Enabled	Set this bit to 1 before changing any dedicated transmission parameters. This setting is automatically reset to "0" after turning off and on.
1	Not used	Do not change
2	Technical data printout on the Journal 0: Disabled 1: Enabled	1: Instead of the personal name, the following data are listed on the Journal for each G3 communication.

<table>
<tr><td></td><td colspan="2">Example:
0000 32V34 288/264 L0100 03 04
(1) (2)(3) (4) (5) (6) (7) (8)
(1): EQM value (Line quality data). A larger number means more errors.
(2): Symbol rate (V.34 only)
(3): Final modem type used
(4): Starting data rate (for example, 288 means 28.8 kbps)
(5): Final data rate
(6): Rx revel (see below for how to read the rx level)
(7): Total number of error lines that occurred during non-ECM reception.
(8): Total number of burst error lines that occurred during non-ECM reception.
Note
▪ EQM and rx level are fixed at "FFFF" in tx mode.
▪ The seventh and eighth numbers are fixed at "00" for transmission records and ECM reception records.</td></tr>
<tr><td></td><td colspan="2">Rx level calculation
Example:
0000 32V34 288/264 L0100 03 04
(1) (2)(3) (4) (5) (6) (7) (8)
The four-digit hexadecimal value (N) after "L" indicates the rx level.
The high byte is given first, followed by the low byte. Divide the decimal value of N by -16 to get the rx level.
In the above example, the decimal value of N (= 0100 [H]) is 256.
So, the actual rx level is 256/-16 = -16 dB</td></tr>
<tr><td>3</td><td>Not used</td><td>Do not change this setting.</td></tr>
<tr><td>4</td><td>Line error mark print
0: OFF, 1: ON (print)</td><td>When "1" is selected, a line error mark is printed on the printout if a line error occurs during reception. This shows error locations when ECM is turned off.</td></tr>
<tr><td>5</td><td>G3/G4 communication parameter display
0: Disabled
1: Enabled</td><td>This is a fault-finding aid. The LCD shows the key parameters (see "G3 Communication Parameters" below this table). This is normally disabled because it cancels the CSI display for the user.
Be sure to reset this bit to "0" after testing.</td></tr>
</table>

6	Protocol dump list output after each communication 0: Off 1: On	This is only used for communication troubleshooting. It shows the content of the transmitted facsimile protocol signals. Always reset this bit to 0 after finishing testing. If system switch 09 bit 6 is at "1", the list is only printed if there was an error during the communication.
7	Not used	Do not change the setting.

G3 Communication Parameters

Modem rate	336: 33600 bps 168: 16800 bps 312: 31200 bps 144: 14400 bps 288: 28800 bps 120: 12000 bps 264: 26400 bps 96: 9600 bps 240: 24000 bps 72: 7200 bps 216: 21600 bps 48: 4800 bps 192: 19200 bps 24: 2400 bps
Resolution	S: Standard (8 x 3.85 dots/mm) D: Detail (8 x 7.7 dots/mm) F: Fine (8 x 15.4 dots/mm) SF: Superfine (16 x 15.4 dots/mm) 21: Standard (200 x 100 dpi) 22: Detail (200 x 200 dpi) 44: Superfine (400 x 400 dpi)
Compression mode	MMR: MMR compression MR: MR compression MH: MH compression JBO: JBIG compression (Optional mode) JBB: JBIG compression (Basic mode)
Communication mode	ECM: With ECM NML: With no ECM

Width and reduction	A4: A4 (8.3"), no reduction B4: B4 (10.1"), no reduction A3: A3 (11.7"), no reduction
I/O rate	0: 0 ms/line 5: 5 ms/line 10: 10 ms/line 20: 20 ms/line 25: 2.5 ms/line 40: 40 ms/line Note ▪ "40" is displayed while receiving a fax message using AI short protocol.

System Switch 01 - Not used (Do not change the factory settings.)

System Switch 02 (SP No. 1-101-003)				
No	**Function**			**Comments**
0-1	Not used			Do not change these settings.
2	Forced reset after transmission stalls 0: Off 1: On			With this setting on, the machine resets itself automatically if a transmission stalls and fails to complete the job.
3	Not used			Do not change these settings.
4	File retention time 0: Depends on User Parameter 24 [18(H)] 1: No limit			1: A file that had a communication error will not be erased unless the communication is successful.
5	Not used			Do not change this setting.
6-7	Memory read/write by RDS			(0,0): All RDS systems are always locked out. (0,1), (1,0): Normally, RDS systems are locked out, but the user can temporarily switch RDS on to allow RDS operations to take place. RDS will automatically be locked out again after a
	Bit 7	Bit 6	Setting	
	0	0	Always disabled	
	0	1	User selectable	

	1	0	User selectable	certain time, which is stored in System Switch 03. Note that if an RDS operation takes place, RDS will not switch off until this time limit has expired. (1,1): At any time, an RDS system can access the machine.
	1	1	Always enabled	

System Switch 03 (SP No. 1-101-004)		
No	**Function**	**Comments**
0 to 7	Length of time that RDS is temporarily switched on when bits 6 and 7 of System Switch 02 are set to "User selectable"	00 - 99 hours (BCD). This setting is only valid if bits 6 and 7 of System Switch 02 are set to "User selectable". The default setting is 24 hours.

System Switch 04 (SP No. 1-101-005)		
No	**Function**	**Comments**
0-2	Not used	Do not change these settings.
3	Printing dedicated tx parameters on Quick/Speed Dial Lists 0: Disabled 1: Enabled	1: Each Quick/Speed dial number on the list is printed with the dedicated tx parameters (10 bytes each). The first 10 bytes of data are the programmed dedicated tx parameters; 34 bytes of data are printed (the other 24 bytes have no use for service technicians).
4-7	Not used	Do not change these settings.

System Switch 05 - Not used (Do not change the factory settings.)
System Switch 06 - Not used (Do not change the factory settings.)
System Switch 07 - Not used (Do not change the factory settings.)
System Switch 08 - Not used (Do not change the factory settings.)

System Switch 09 (SP No. 1-101-010)		
No	**Function**	**Comments**
0	Addition of image data from confidential transmissions on the transmission result report 0: Disabled 1: Enabled	If this feature is enabled, the top half of the first page of confidential messages will be printed on transmission result reports.
1	Print timing of communication reports on the Journal when no image data was exchanged. 0: After DCS/NSS communication (default), 1: After polling	0: The Journal is printed only when image data is sent. 1: The Journal is printed when any data is sent.
2	Automatic error report printout 0: Disabled 1: Enabled	0: Error reports will not be printed. 1: Error reports will be printed automatically after failed communications.
3	Printing of the error code on the error report 0: No 1: Yes	1: Error codes are printed on the error reports. This can be used for detecting an error which occurs rarely.
4	Not used	Do not change this setting.
5	Power failure report 0: Disabled 1: Enabled (default)	1: A power failure report will be automatically printed after the power is switched on if a fax message disappeared from the memory when the power was turned off last. **NOTE:** If "0" is selected, no reports are printed and no one may recognize that fax data is gone due to a power failure.

6	Conditions for printing the protocol dump list 0: Print for all communications 1: Print only when there is a communication error	This switch becomes effective only when system switch 00 bit 6 is set to 1. 1: Set this bit to 1 when you wish to print a protocol dump list only for communications with errors. **NOTE:** The memory size is limited. Use this bit switch only when some log reports are necessary.
7	Priority given to various types of remote terminal ID when printing reports 0: RTI > CSI > Dial label > Tel. number 1: Dial label > Tel. number > RTI > CSI	This bit determines which set of priorities the machine uses when listing remote terminal names on reports. Dial Label: The name stored, by the user, for the Quick/Speed Dial number.

System Switch 0A (SP No. 1-101-011)		
No	**Function**	**Comments**
0	Automatic port selection 0: Disabled, 1: Enabled	When "1" is selected, a suitable port is automatically selected if the selected port is not used. **NOTE:** This bit is useful if all communication lines at a customer site are not the same quality
1-3	Not used	Do not change these settings.
4	Dialing on the ten-key pad when the external telephone is off-hook 0: Disabled 1: Enabled	0: Prevents dialing from the ten-key pad while the external telephone is off-hook. Use this setting when the external telephone is not by the machine, or if a wireless telephone is connected as an external telephone. 1: The user can dial on the machine's ten-key pad when the handset is off-hook.
5	On hook dial 0: Disabled 1: Enabled	0: On hook dial is disabled.

6-7	Not used	Do not change the factory settings

System Switch 0B - Not used (Do not change the factory settings.)
System Switch 0C - Not used (Do not change the factory settings.)
System Switch 0D - Not used (Do not change the factory settings.)

System Switch 0E (SP No. 1-101-015)		
No	**Function**	**Comments**
0-1	Not used	Do not change the settings.
2	Enable/disable for direct sending selection 0: Direct sending off 1: Direct sending on	Direct sending cannot operate when the capture function is on during sending. Setting this switch to "1" enables direct sending without capture. Setting this switch to "0" masks the direct sending function on the operation panel so direct sending with ScanRouter cannot be selected.
3	Action when the external handset goes off-hook 0: Manual tx and rx operation 1: Memory tx and rx operation (the display remains the same)	0: Manual tx is possible while the external handset is off-hook. However, manual tx during handset off-hook may not be sent to a correct direction. Manual tx is not possible. 1: The display stays in standby mode even when the external handset is used, so that other people can use the machine for memory tx operation. Note that manual tx and rx are not possible with this setting.
4-7	Not used	Do not change these settings.

System Switch 0F (SP No. 1-101-016)			
No	**Function**		**Comments**
0 to 7	Country/area code for functional settings (Hex)		This country/area code determines the factory settings of bit switches and RAM addresses. However, it has no effect on the NCU parameter settings and communication parameter RAM addresses. Cross reference NCU country code: SP No. 2-103-001 for G3-1 SP No. 2-104-001 for G3-2 SP No. 2-105-001 for G3-3
	00: France	12: Asia	
	01: Germany	13: Japan	
	02: UK	14: Hong Kong	
	03: Italy	15: South Africa	
	04: Austria	16: Australia	
	05: Belgium	17: New Zealand	
	06: Denmark	18: Singapore	
	07: Finland	19: Malaysia	
	08: Ireland	1A: China	
	09: Norway	1B: Taiwan	
	0A: Sweden	1C: Korea	
	0B: Switz.	1D: Brazil	
	0C: Portugal	20: Turkey	
	0D: Holland	21: Greece	
	0E: Spain	22: Hungary	
	0F: Israel	23: Czech	
	10: ---	24: Poland	
	11: USA		

System Switch 10 (SP No. 1-101-017)		
No	**Function**	**Comments**
0-7	Threshold memory level for parallel memory transmission	Threshold = N x 128 KB + 256 KB N can be between 00 - FF(H) Default setting: 02(H) = 512 KB

System Switch 11 (SP No. 1-101-018)		
No	**Function**	**Comments**
0	TTI printing position 0: Superimposed on the page data 1: Printed before the data leading edge	Change this bit to 1 if the TTI overprints information that the customer considers to be important (G3 transmissions). **NOTE:** If "1" is selected, it is possible that sent data is printed on two sheets of paper.
1-2	Not used	Do not change the factory settings.
3	TTI used for broadcasting 0: The TTIs selected for each Quick/Speed dial are used 1: The same TTI is used for all destinations	1: The TTI (TTI_1 or TTI_2) which is selected for all destinations during broadcasting.
4-7	Not used	Do not change the factory settings.

System Switch 12 (SP No. 1-101-019)		
No	**Function**	**Comments**
0-7	TTI printing position in the main scan direction	TTI: 08 to 92 (BCD) mm Input even numbers only. This setting determines the print start position for the TTI from the left edge of the paper. If the TTI is moved too far to the right, it may overwrite the file number which is on the top right of the page. On an A4 page, if the TTI is moved over by more than 50 mm, it may overwrite the page number.

System Switch 13 - Not used (do not change these settings)
System Switch 14 - Not used (do not change these settings)

<table>
<tr><th colspan="5">System Switch 15 (SP No. 1-101-022)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
<tr><td>1</td><td colspan="3">Going into the Energy Saver mode automatically
0: Enabled
1: Disabled</td><td>1: The machine will restart from the Energy Saver mode quickly, because the +5V power supply is active even in the Energy Saver mode. The LED of the operation switch is flashing instead of entering Energy Saver mode.
Use this setting if an external telephone has to be used when the machine is in the Energy Saver mode.</td></tr>
<tr><td>2-3</td><td colspan="3">Not used</td><td>Do not change these settings.</td></tr>
<tr><td rowspan="6">4-5</td><td colspan="3">Interval for preventing the machine from entering Energy Saver mode if there is a pending transmission file.</td><td rowspan="6">If there is a file waiting for transmission, the machine does not go to Energy Saver mode during the selected period.
After transmitting the file, if there is no file waiting for transmission, the machine goes to the Energy Saver mode.</td></tr>
<tr><td>Bit 5</td><td>Bit 4</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>1 min</td></tr>
<tr><td>0</td><td>1</td><td>30 min</td></tr>
<tr><td>1</td><td>0</td><td>1 hour</td></tr>
<tr><td>1</td><td>1</td><td>24 hours</td></tr>
<tr><td>6-7</td><td colspan="3">Not used</td><td>Do not change</td></tr>
</table>

System Switch 16 (SP No. 1-101-023)		
No	**Function**	**Comments**
0	Parallel Broadcasting 0: Disabled 1: Enabled	1: The machine sends messages simultaneously using all available ports during broadcasting. **NOTE:** If a customer wants to keep a line available for fax reception or other reasons, select "0" (Disable).
1	Priority setting for the G3 line. 0: PSTN-1 > PSTN-2 or 3 1: PSTN-2 or 3 > PSTN-1	This function allows the user to select the default G3 line type. The optional SG3 units are required to use the PSTN-2 or 3 setting.
2-7	Not used	Do not change these settings.

System Switch 17 - Not used (do not change these settings)
System Switch 18 - Not used (do not change these settings)

System Switch 19 (SP No. 1-101-026)		
No	**Function**	**Comments**
0-5	Not used	Do not change the settings.
6	Extended scanner page memory after memory option is installed 0: Disabled 1: Enabled	0: After installing the memory expansion option, the scanner page memory is extended to 4 MB from 2 MB. 1: If this bit is set to 1 after installing the memory expansion option, the scanner page memory is extended to 12 MB. But the SAF memory decreases to 18 MB.
7	Special Original mode 0: Disabled 1: Enabled	1: If the customer frequently wishes to transmit a form or letterhead which has a colored or printed background, change this bit to "1". "Original 1" and "Original 2" can be selected in addition to the "Text", "Text/Photo" and "Photo" modes.

System Switch 1A (SP No. 1-101-027)		
No	**Function**	**Comments**
0 to 7	LS RX memory capacity threshold setting 00-FF (0-1020 Kbyte: Hex)	Sets the value to x4KB. When the amount of available memory drops below this setting, RX documents are printed to conserve memory. Initial setting 0x80 (512 KB) **NOTE:** If a customer wants available memory size to be larger, decrease this threshold

System Switch 1B - Not used (do not change these settings)
System Switch 1C - Not used (do not change these settings)

System Switch 1D (SP No. 1-101-030)		
No	**Function**	**Comments**
0	RTI/CSI/CPS code display 0: Enable 1: Disable	0: RTI, CSI, CPS codes are displayed on the top line of the LCD panel during communication. 1: Codes are switched off (no display)
1-7	Not used	Do not change these settings.

System Switch 1E (SP No. 1-101-031)		
No	**Function**	**Comments**
0	Communication after the Journal data storage area has become full 0: Impossible 1: Possible	0: When this switch is on and the journal history becomes full, the next report prints. If the journal history is not deleted, the next transmission cannot be received. This prevents overwriting communication records before the machine can print them. 1: If the buffer memory of the communication records for the Journal is full, fax communications are still possible. But the machine will overwrite the oldest communication records. Note ▪ This setting is effective only when Automatic Journal printout is enabled but the machine cannot print the report (e.g., no paper).
1	Action when the SAF memory has become full during scanning 0: The current page is erased. 1: The entire file is erased.	0: If the SAF memory becomes full during scanning for a memory transmission, the successfully scanned pages are transmitted. 1: If the SAF memory becomes full during scanning for a memory transmission, the file is erased and no pages are transmitted. Note ▪ This setting is effective only when Automatic Journal printout is enabled but the machine cannot print the report (e.g., no paper).
2	RTI/CSI display priority 0: RTI 1: CSI	This bit determines which identifier, RTI or CSI, is displayed on the LCD while the machine is communicating in G3 non-standard mode.

3	File No. printing 0: Enabled 1: Disabled	1: File numbers are not printed on any reports. **NOTE:** The file numbers may not be printed in the sequential order. If a customer does not like this numbering, select "0".
4	Action when authorized reception is enabled but authorized RTIs/CSIs are not yet programmed 0: Faxes can be received if the sender has an RTI or CSI 1: All fax reception is disabled	0: If the user has stored no acceptable sender RTIs or CSIs, the user can select “ON” in the authorized reception setting but the setting becomes invalid (“OFF”). The machine will not be able to receive any fax messages. If the customer wishes to receive messages from any sender that includes an RTI or CSI, and to block messages from senders that do not include an RTI or CSI, change this bit to "0", then enable Authorized Reception. Otherwise, keep this bit at "1 (default setting)".
5-7	Not used	Do not change the settings

System Switch 1F (SP No. 1-101-032)		
No	**Function**	**Comments**
0	Not used	Do not change the settings.
1	Report printout after an original jam during SAF storage or if the SAF memory fills up 0: Enabled 1: Disabled	0: When an original jams, or the SAF memory overflows during scanning, a report will be printed. Change this bit to "1" if the customer does not want to have a report in these cases. Memory tx – Memory storage report Parallel memory tx – Transmission result report
2	Not used	Do not change the settings.
3	Received fax print start timing (G3 reception) 0: After receiving each page 1: After receiving all pages	0: The machine prints each page immediately after the machine receives it. 1: The machine prints the complete message after the machine receives all the pages in the memory.
4-6	Not used	Do not change the factory settings.

7	Action when a fax SC has occurred 0: Automatic reset 1: Fax unit stops	0: When the fax unit detects a fax SC code other than SC1201 and SC1207, the fax unit automatically resets itself. 1: When the fax unit detects any fax SC code, the fax unit stops. **Cross Reference** Fax SC codes - See "Troubleshooting"

4.4 BIT SWITCHES - 2

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

4.4.1 I-FAX SWITCHES

I-fax Switch 00 (SP No. 1-102-001)		
No	**Function**	**Comments**
Original Width of TX Attachment File		This setting sets the maximum size of the original that the destination can receive. (Bits 3~7 are reserved for future use or not used.)
0	A4	-
1	B4	
2	A3	
3-6	Reserved	
7	Not used	
	0: Off (not selected), 1: On (selected) If more than one of these three bits is set to "1", the larger size has priority. For example, if both Bit 2 and Bit 1 are set to "1" then the maximum size is "A3" (Bit 2). When mail is sent, there is no negotiation with the receiving machine at the destination, so the sending machine cannot make a selection for the receiving capabilities (original width setting) of the receiving machine. The original width selected with this switch is used as the RX machine's original width setting, and the original is reduced to this size before sending. The default is A4. If the width selected with this switch is higher than the receiving machine can accept, the machine detects this and this causes an error.	

<table>
<tr><th colspan="3">I-fax Switch 01 (SP No. 1-102-002)</th></tr>
<tr><th>No</th><th>Function</th><th>Comments</th></tr>
<tr><td colspan="2">Original Line Resolution of TX Attachment File</td><td>These settings set the maximum resolution of the original that the destination can receive.</td></tr>
<tr><td>0</td><td>200x100 Standard</td><td rowspan="7">0: Not selected
1: Selected
If more than one of these three bits is set to "1", the higher resolution has priority. For example, if both Bit 0 and Bit 2 are set to "1" Then The Resolution is set for "Bit 2 200 x 400.</td></tr>
<tr><td>1</td><td>200x200 Detail</td></tr>
<tr><td>2</td><td>200x400 Fine</td></tr>
<tr><td>3</td><td>300 x 300 Reserve</td></tr>
<tr><td>4</td><td>400 x 400 Super Fine</td></tr>
<tr><td>5</td><td>600 x 600 Reserve</td></tr>
<tr><td>6</td><td>Reserve</td></tr>
<tr><td>7</td><td colspan="2">mm/inch</td></tr>
<tr><td></td><td colspan="2">This setting selects mm/inch conversion for mail transmission.
0: Off (No conversion), 1: On (Conversion)
When on (set to "1"), the machine converts millimeters to inches for sending mail. There is no switch for converting inches to millimeters.
Unlike G3 fax transmissions which can negotiate between sender and receiver to determine the setting, mail cannot negotiate between terminals; the mm/inch selection is determined by the sender fax.
When this switch is Off (0):
▪ Images scanned in inches are sent in inches.
▪ Images scanned in mm are sent in mm.
▪ Images received in inches are transmitted in inches.
▪ Images received in mm are transmitted in mm.
When this switch is On (1):
▪ Images scanned in inches are sent in inches.
▪ Images scanned in mm are converted to inches.
▪ Images received in inches are transmitted in inches.
▪ Images received in mm are converted to inches.</td></tr>
</table>

I-fax Switch 02 (SP No. 1-102-003)		
No	**Function**	**Comments**
0	RX Text Mail Header Processing	
	This setting determines whether the header information is printed with text e-mails when they are received. 0: Prints only text mail. 1: Prints mail header information attached to text mail. When a text mail is received with this switch On (1), the "From" address and "Subject" address are printed as header information. When a mail with only binary data is received (a TIFF-F file, for example), this setting is ignored and no header is printed.	
1	Output from Attached Document at E-mail TX Error	
	This setting determines whether only the first page or all pages of an e-mail attachment are printed at the sending station when a transmission error occurs. This allows the customer to see which documents have not reached their intended destinations if sent to the wrong e-mail addresses, for example. 0: Prints 1st page only. 1: Prints all pages.	
2-3	Text String for Return Receipt	
	This setting determines the text string output for the Return Receipt that confirms the transmission was received normally at the destination.	

	00: "Dispatched" Sends from PC mail a request for a Return Receipt. Receives the Return Receipt with "dispatched" in the 2nd part: Disposition: Automatic-action/MDN-send automatically; dispatched The "dispatched" string is included in the Subject string. 01: "Displayed" Sends from PC mail a request for a Return Receipt. Receives the Return Receipt with "displayed" in the 2nd part: Disposition: Automatic-action/MDN-send automatically; displayed The "displayed" string is included in the Subject string. 10: Reserved 11: Reserved A mail requesting a Return Receipt sent from an IFAX with this switch set to "00" (for "dispatched") received by Microsoft Outlook 2000 may cause an error. If any setting other than "displayed" (01) causes a problem, change the setting to "01" to enable normal sending of the Return Receipt.
4	Media accept feature
	This setting adds or does not add the media accept feature to the answer mail to confirm a reception. 0: Does not add the media accept feature to the answer mail 1: Adds the media accept feature to the answer mail. Use this bit switch if a problem occurs when the machine receives an answer mail, which contains the media accept feature field.
5-6	Not Used
7	Image Resolution of RX Text Mail
	This setting determines the image resolution of the received mail. 0: 200 x 200 1: 400 x 400 The "1" setting requires installation of the Memory Unit in order to have enough SAF (Store and Forward) memory to receive images at 400 x 400 resolution.

I-fax Switch 03 - Not used (do not change these settings)

I-fax Switch 04 (SP No. 1-102-005)		
No	**Function**	**Comments**
0	Subject for Delivery TX/Memory Transfer	
	This setting determines whether the RTI/CSI registered on this machine or the RTI/CSI of the originator is used in the subject lines of transferred documents. 0: Puts the RTI/CSI of the originator in the Subject line. If this is used, either the RTI or CSI is used. Only one of these can be received for use in the subject line. 1: Puts the RTI/CSI registered on this machine in the Subject line. When this switch is used to transfer and deliver mail to a PC, the information in the Subject line that indicates where the transmission originated can be used to determine automatically the destination folder for each e-mail.	
1	Subject corresponding to mail post database 0: Standard subject 1: Mail post database subject The standard subject is replaced by the mail post database subject in the following three cases: 1) When the service technician sets the service (software) switch. 2) When memory sending or delivery specified by F code is applied by the SMTP server 3) With relay broadcasting (1st stage without the Schmidt 4 function). Note ▪ This switch does not apply for condition 3) when the RX system is set up for memory sending, delivery by F-code, sending with SMTP RX and when operators are using FOL (to prevent problems when receiving transmissions).	
2-7	Not Used	

I-fax Switch 05 (SP No. 1-102-006)		
No	**Function**	**Comments**
0	Mail Addresses of SMTP Broadcast Recipients	
	Determines whether the e-mail addresses of the destinations that receive transmissions broadcasted using SMTP protocol are recorded in the Journal. For example: "1st destination + Total number of destinations: 9" in the Journal indicates a broadcast to 9 destinations. 0: Not recorded 1: Recorded	
1	IFAXTX Retries	
	Determines whether the machine retries sending IFAX when connection and transmission fails due to errors. 0: Disabled 1: Enabled	
2-7	Not Used	

I-fax Switch 06 - Not used (do not change the settings)
I-fax Switch 07 - Not used (do not change the settings)

I-fax Switch 08 (SP No. 1-102-009)		
No	**Function**	**Comments**
0-7	Memory Threshold for POP Mail Reception	
	This setting determines the amount of SAF (Store and Forward) memory. (SAF stores fax messages to send later for transmission to more than one location, and also holds incoming messages if they cannot be printed.) When the amount of SAF memory available falls below this setting, mail can no longer be received; received mail is then stored on the mail server. 00-FF (0 to 1024 KB: HEX) The hexadecimal number you enter is multiplied by 4 KB to determine the amount of memory.	

I-fax Switch 09 (SP No. 1-102-010)		
No	**Function**	**Comments**
0-3	Not used	Do not change the settings
4-7	Restrict TX Retries	This setting determines the number of retries when connection and transmission fails due to errors. 01-F (1-15 Hex)

I-fax Switch 0A - Not used (do not change the settings)
I-fax Switch 0B - Not used (do not change the settings)
I-fax Switch 0C - Not used (do not change the settings)

I-fax Switch 0D (SP No. 1-102-014)				
No	**Function**			**Comments**
0-1	Not used			Do not change the settings
2-3	Set to select the signature when sending mail notification of the send results			In response to IEEE2600.1.
	Bit 2	Bit 3	Setting	
	0	0	No sign	
	0	1	No setting	
	1	**0**	Individual setting	
	1	1	Always sign	
4-5	Set to select the signature when sending mail.			In response to IEEE2600.1.
	Bit 5	Bit 4	Setting	
	0	0	No sign	
	0	1	No setting	

	1	**0**	Individual setting	
	1	1	Always sign	
6-7	Not used			Do not change the settings.

I-fax Switch 0E - Not used (do not change the settings)

I-fax Switch 0F (SP No. 1-102-016)		
No	**Function**	**Comments**
0	Delivery Method for SMTP RX Files	
	This setting determines whether files received with SMTP protocol are delivered or output immediately. 0: Off. Files received via SMTP are output immediately without delivery. 1: On. Files received via SMTP are delivered immediately to their destinations.	
1	Set to select the signature when receiving SMTP mail.	
	0: No sign 1: Always sign	
2	Set to encrypt the data when receiving SMTP mail.	
	0: No encryption 1: Encryption	
3-7	Not used	

4.4.2 PRINTER SWITCHES

Printer Switch 00 (SP No. 1-103-001)		
No	**Function**	**Comments**
0	Select page separation marks 0: Off 1: On	0: If a 2 page RX transmission is split, [*] is printed in the bottom right corner of the 1st page and only a [2] is printed in the upper right corner of the 2nd page. 1: If a 2 page RX transmission is split into two pages, for example, [*] [2] is printed in the bottom right corner of the 1st page and only a [2] is printed in the upper right corner of the 2nd page. Note ▪ This helps the user to identify pages that have been split because the size of the paper is smaller than the size of the document received. (When A5 is used to print an A4 size document, for example.)
1	Repetition of data when the received page is longer than the printer paper 0: Off 1: On	1: Default. 10 mm of the trailing edge of the previous page are repeated at the top of the next page. 0: The next page continues from where the previous page stopped without any repeated text.
2	Prints the date and time on received fax messages 0: Disabled 1: Enabled	This switch is only effective when user parameter 02 - bit 2 (printing the received date and time on received fax messages) is enabled. 1: The machine prints the received and printed date and time at the bottom of each received page.
3-7	Not used	Do not change the settings.

<table>
<tr><th colspan="5">Printer Switch 01 (SP No. 1-103-002)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0-2</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
<tr><td rowspan="6">3-4</td><td colspan="3">Maximum print width used in the setup protocol</td><td rowspan="6">These bits are only effective when bit 7 of printer switch 01 is "1".</td></tr>
<tr><td>Bit 4</td><td>Bit 3</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>Not used</td></tr>
<tr><td>0</td><td>1</td><td>A3</td></tr>
<tr><td>1</td><td>0</td><td>B4</td></tr>
<tr><td>1</td><td>1</td><td>A4</td></tr>
<tr><td>5-6</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
<tr><td>7</td><td colspan="3">Received message width restriction in the protocol signal to the sender
0: Disabled
1: Enabled</td><td>0: The machine informs the transmitting machine of the print width depending on the paper size available from the paper feed stations.
Refer to the table on the next page for how the machine chooses the paper width used in the setup protocol (NSF/DIS).
1: The machine informs the transmitting machine of the fixed paper width which is specified by bits 3 and 4 above.</td></tr>
</table>

Relationship between available paper sizes and printer width used in the setup protocol

Available Paper Size	Printer width used in the Protocol (NSF/DIS)
A4 or 8.5" x 11"	297 mm width
B5	256 mm width
A5 or 8.5" x 5.5"	216 mm width
No paper available (Paper end)	216 mm width

Printer Switch 02 (SP No. 1-103-003)		
No	**Function**	**Comments**
0	1st paper feed station usage for fax printing 0: Enabled 1: Disabled	0: The paper feed station can be used to print fax messages and reports. 1: The specified paper feed station will not be used for printing fax messages and reports. Note ▪ Do not disable usage for a paper feed station which has been specified by User Parameter Switch 0F (15), or which is used for the Specified Cassette Selection feature.
1	2nd paper feed station usage for fax printing 0: Enabled 1: Disabled	
2	3rd paper feed station usage for fax printing 0: Enabled 1: Disabled	
3	4th paper feed station usage for fax printing 0: Enabled 1: Disabled	
4	LCT usage for fax printing 0: Enabled 1: Disabled	
5-7	Not used	Do not change the settings.

Printer Switch 03 (SP No. 1-103-004)		
No	**Function**	**Comments**
0	Length reduction of received data 0: Disabled 1: Enabled	0: Incoming pages are printed without length reduction. (Page separation threshold: Printer Switch 03, bits 4 to 7) 1: Incoming page length is reduced when printing. (Maximum reducible length: Printer Switches 04, bits 0 to 4)

1-3	Not used	Do not change the settings
4 to 7	Page separation setting when sub scan compression is forbidden 00-0F (0-15 mm: Hex) Default: 6 mm	Page separation threshold (with reduction disabled with switch 03-0 above). For example, if this setting is set to "10", and A4 is the selected paper size: If the received document is 10 mm or less longer than A4, then the 10 mm are cut and only 1 page prints. If the received document is 10 mm longer than A4, then the document is split into 2 pages.

Printer Switch 04 (SP No. 1-103-005)

No	Function	Comments

0 to 4

Maximum reducible length when length reduction is enabled with switch 03-0 above.
[Maximum reducible length] = [Paper length] + (N x 5mm)
"N" is the decimal value of the binary setting of bits 0 to 4.

Bit 4	Bit 3	Bit 2	Bit 1	Bit 0	Setting
0	0	0	0	0	0 mm
0	0	0	0	1	5 mm
0	0	1	0	0	20 mm
1	1	1	1	1	155 mm

For A5 sideways and B5 sideways paper
[Maximum reducible length] = [Paper length] + 0.75 x (N x 5mm)

5 6

Length of the duplicated image on the next page, when page separation has taken place.

Bit 6	Bit 5	Setting
0	0	4 mm
0	1	10 mm
1	0	15 mm

	1	1	Not used
7	Not used.	Do not change the setting.	

Printer Switch 05 - Not used (do not change the settings)

Printer Switch 06 (SP No. 1-103-007)		
No	**Function**	**Comments**
0	Printing while a paper cassette is pulled out, when the Just Size Printing feature is enabled. 0: Printing will not start 1: Printing will start if another cassette has a suitable size of paper, based on the paper size selection priority tables.	Cross reference Just size printing on/off – User switch 05, bit 5
1-7	Not used.	Do not change the settings.

Printer Switch 07 (SP No. 1-103-008)		
No	**Function**	**Comments**
0-3	Not used.	Do not change the settings.
4	List of destinations in the Communication Failure Report for broadcasting 0: All destinations 1: Only destinations where communication failure occurred	1: Only destinations where communication failure occurred are printed on the Communication Failure Report.
5-7	Not used.	Do not change the settings.

Printer Switch 08 - Not used (do not change the settings)

Printer Switch 09 - Not used (do not change the settings)

Printer Switch 0A - Not used (do not change the settings)

Printer Switch 0B - Not used (do not change the settings)
Printer Switch 0C - Not used (do not change the settings)
Printer Switch 0D - Not used (do not change the settings)

<table>
<tr><th colspan="5">Printer Switch 0E (SP No. 1-103-015)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0</td><td colspan="3">Paper size selection priority
0: Width
1: Length</td><td>0: A paper size that has the same width as the received data is selected first.
1: A paper size which has enough length to print all the received lines without reduction is selected first.</td></tr>
<tr><td>1</td><td colspan="3">Paper size selected for printing A4 width fax data
0: 8.5" x 11" size
1: A4 size</td><td>This switch determines which paper size is selected for printing A4 width fax data, when the machine has both A4 and 8.5" x 11" size paper.</td></tr>
<tr><td>2</td><td colspan="3">Page separation
0: Enabled
1: Disabled</td><td>1: If all paper sizes in the machine require page separation to print a received fax message, the machine does not print the message (Substitute Reception is used). After a larger size of paper is set in a cassette, the machine automatically prints the fax message.</td></tr>
<tr><td rowspan="6">3-4</td><td colspan="3">Printing the sample image on reports</td><td rowspan="6">"Same size" means the sample image is printed at 100%, even if page separation occurs.
User Parameter Switch 19 (13H) bit 4 must be set to "0" to enable this switch.
Refer to Detailed Section Descriptions for more on this feature.</td></tr>
<tr><td>Bit 4</td><td>Bit 3</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>The upper half only</td></tr>
<tr><td>0</td><td>1</td><td>50% reduction (sub-scan only)</td></tr>
<tr><td>1</td><td>0</td><td>Same size</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
<tr><td>5-6</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
</table>

7	Equalizing the reduction ratio among separated pages (Page Separation) 0: Enabled 1: Disabled	0: When page separation has taken place, all the pages are reduced with the same reduction ratio. 1: Only the last page is reduced to fit the selected paper size when page separation has taken place. Other pages are printed without reduction.

Printer Switch 0F (SP No. 1-103-016)

No	Function			Comments
0-1	Smoothing feature			(0, 0) (0, 1): Disable smoothing if the machine receives halftone images from other manufacturers fax machines frequently.
	Bit 1	Bit 0	Setting	
	0	0	Disabled	
	0	1	Disabled	
	1	0	Enabled	
	1	1	Not used	
2	Duplex printing 0: Disabled 1: Enabled			1: The machine always prints received fax messages in duplex printing mode:
3	Binding direction for Duplex printing 0: Left binding 1: Top binding			0: Sets the binding for the left edge of the stack. 1: Sets the binding for the top of the stack.
4-7	Not used			Do not change the settings.

4.5 BIT SWITCHES - 3

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

4.5.1 COMMUNICATION SWITCHES

<table>
<tr><th colspan="5">Communication Switch 00 (SP No. 1-104-001)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="6">0-1</td><td colspan="3">Compression modes available in receive mode</td><td rowspan="6">These bits determine the compression capabilities to be declared in phase B (handshaking) of the T.30 protocol.</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td>Modes</td></tr>
<tr><td>0</td><td>0</td><td>MH only</td></tr>
<tr><td>0</td><td>1</td><td>MH/MR</td></tr>
<tr><td>1</td><td>0</td><td>MH/MR/MMR</td></tr>
<tr><td>1</td><td>1</td><td>MH/MR/MMR/JBIG</td></tr>
<tr><td rowspan="6">2-3</td><td colspan="3">Compression modes available in transmit mode</td><td rowspan="6">These bits determine the compression capabilities to be used in the transmission and to be declared in phase B (handshaking) of the T.30 protocol.</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td>Modes</td></tr>
<tr><td>0</td><td>0</td><td>MH only</td></tr>
<tr><td>0</td><td>1</td><td>MH/MR</td></tr>
<tr><td>1</td><td>0</td><td>MH/MR/MMR</td></tr>
<tr><td>1</td><td>1</td><td>MH/MR/MMR/JBIG</td></tr>
</table>

4	Not used	Do not change the settings.
5	JBIG compression method: Reception 0: Only basic supported 1: Basic and optional both supported	Change the setting when communication problems occur using JBIG compression.
6	JBIG compression method: Transmission 0: Basic mode priority 1: Optional mode priority	Change the setting when communication problems occur using JBIG compression.
7	Closed network (reception) 0: Disabled 1: Enabled	1: Reception will not go ahead if the polling ID code of the remote terminal does not match the polling ID code of the local terminal. This function is only available in NSF/NSS mode.

<table>
<tr><th colspan="5">Communication Switch 01 (SP No. 1-104-002)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0</td><td colspan="3">ECM
0: Off 1: On</td><td>If this bit is set to 0, ECM is switched off for all communications.
In addition, V.8 protocol and JBIG compression are switched off automatically.</td></tr>
<tr><td>1</td><td colspan="3">Not used</td><td>Do not change the setting.</td></tr>
<tr><td rowspan="7">2-3</td><td colspan="3">Wrong connection prevention method</td><td rowspan="7">(0,1): The machine will disconnect the line without sending a fax message, if the last 8 digits of the received CSI do not match the last 8 digits of the dialed telephone number. This does not work when manually dialed.
(1,0): The same as above, except that only the last 4 digits are compared.
(1,1): The machine will disconnect the line without sending a fax message, if the other end does not identify itself with an RTI or CSI.
(0,0): Nothing is checked; transmission will always go ahead.
Note
▪ This function does not work when dialing is done from the external telephone.</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>None</td></tr>
<tr><td>0</td><td>1</td><td>8 digit CSI</td></tr>
<tr><td>1</td><td>0</td><td>4 digit CSI</td></tr>
<tr><td>1</td><td>1</td><td>CSI/RTI</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td>4-5</td><td colspan="3">Not used</td><td>Do not change the setting.</td></tr>
<tr><td rowspan="6">6-7</td><td colspan="3">Maximum printable page length available</td><td rowspan="6">The setting determined by these bits is informed to the transmitting terminal in the pre-message protocol exchange (in the DIS/NSF frames).</td></tr>
<tr><td>Bit 7</td><td>Bit 6</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>No limit</td></tr>
<tr><td>0</td><td>1</td><td>B4 (364 mm)</td></tr>
<tr><td>1</td><td>0</td><td>A4 (297 mm)</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
</table>

Communication Switch 02 (SP No. 1-104-003)			
No	**Function**	**Comments**	
0	G3 Burst error threshold 0: Low 1: High	If there are more consecutive error lines in the received page than the threshold, the machine will send a negative response. The Low and High threshold values depend on the sub-scan resolution, and are as follows.	
		100 dpi	6(L) →12(H)
		200 dpi	12(L) →24(H)
		300 dpi	18(L) →36(H)
		400 dpi	24(L) →48(H)
1	Acceptable total error line ratio 0: 5% 1: 10%	If the error line ratio for a page exceeds the acceptable ratio, RTN will be sent to the other end.	
2	Treatment of pages received with errors during G3 reception 0: Deleted from memory without printing 1: Printed	0: Pages received with errors are not printed.	
3	Hang-up decision when a negative code (RTN or PIN) is received during G3 immediate transmission 0: No hang-up, 1: Hang-up	0: The next page will be sent even if RTN or PIN is received. 1: The machine will send DCN and hang up if it receives RTN or PIN. This bit is ignored for memory transmissions or if ECM is being used.	
4-7	Not used	Do not change the settings.	

Communication Switch 03 (SP No. 1-104-004)		
No	**Function**	**Comments**
0-7	Maximum number of page retransmissions in a G3 memory transmission	00 - FF (Hex) times. This setting is not used if ECM is switched on. Default setting - 03(H)

Communication Switch 04 (SP No. 1-104-005)		
No	**Function**	**Comments**
0	Remote mode switch (TEL mode) 0: Disable 1: Enable (Active)	Set this bit to ON when you wish to switch TEL mode to FAX mode remotely.
1	Remote mode switch (FAX mode) 0: Disable 1: Enable (Active)	Set this bit to ON when you wish to turn on the remote mode switch after automatic reception with FAX mode.
2	Remote mode switch (AUTO mode) 0: Disable 1: Enable (Active)	Set this bit to ON when you wish to turn on the remote mode switch after automatic reception with AUTO mode.
3-7	Not used	Do not change the settings.

Communication Switch 05 (SP No. 1-104-006)		
No	**Function**	**Comments**
0-3	Remote mode switch number 00-09 (0-9:HEX)	Enter the number to switch between TEL/FAX modes using the external phone.
4-7	Not used	Do not change the settings.

Communication Switch 06 - Not used (do not change the settings)
Communication Switch 07 - Not used (do not change the settings)
Communication Switch 08 - Not used (do not change the settings)

Communication Switch 09 (SP No. 1-104-009)		
No	**Function**	**Comments**
0-7	Minimum interval between automatic dialing attempts	This value is the minimum time that the machine waits before it dials the next destination.

Communication Switch 0A (SP No. 1-104-011)		
No	**Function**	**Comments**
0	Point of resumption of memory transmission upon redialing 0: From the error page 1: From page 1	0: The transmission begins from the page where transmission failed the previous time. 1: Transmission begins from the first page, using normal memory transmission.
1-7	Not used	Do not change the settings.

Communication Switch 0B (SP No. 1-104-012)		
No	**Function**	**Comments**
0-2	Not used	Do not change the settings.
3	Conditions required for Transfer Result Report transmission 0: Always transmitted 1: Only transmitted if there was an error	0: When acting as a Transfer Station, the machine will always send a Transfer Result Report back to the Requesting Station after completing the Transfer Request, even if there were no problems. 1: The machine will only send back a Transfer Result Report if there were errors during communication, meaning one or more of the End Receivers could not be contacted.
4	Printout of the message when acting as a Transfer Station 0: Disabled, 1: Enabled	When the machine is acting as a Transfer Station, this bit determines whether the machine prints the fax message coming in from the Requesting Terminal.
5-7	Not used	Do not change the settings.

Communication Switch 0C - Not used (do not change the settings)

Communication Switch 0D (SP No. 1-104-014)		
No	**Function**	**Comments**
0-7	The available memory threshold, below which ringing detection (and therefore reception into memory) is disabled	00 to FF (Hex), unit = 4 kbytes (e.g., 06(H) = 24 kbytes) One page is about 24 kbytes. The machine refers to this setting before each fax reception. If the amount of remaining memory is below this threshold, the machine cannot receive any fax messages. If this setting is kept at 0, the machine will detect ringing signals and go into receive mode even if there is no memory available. This will result in communication failure.

Communication Switch 0E (SP No. 1-104-015)		
No	**Function**	**Comments**
0-7	Minimum interval between automatic dialing attempts	06 to FF (Hex), unit = 2 s (e.g., 06(H) = 12 s) This value is the minimum time that the machine waits before it dials the next destination.

Communication Switch 0F – Not used (do not change the settings.)

Communication Switch 10 (SP No. 1-104-017)		
No	**Function**	**Comments**
0-7	Memory transmission: Maximum number of dialing attempts to the same destination	01 – FE (Hex) times

Communication Switch 11 – Not used (do not change the settings.)

Communication Switch 12 (SP No. 1-104-019)		
No	**Function**	**Comments**
0-7	Memory transmission: Interval between dialing attempts to the same destination	01 – FF (Hex) minutes

Communication Switch 13 – Not used (do not change the settings.)

<table>
<tr><th colspan="5">Communication Switch 14 (SP No. 1-104-021)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0</td><td colspan="3">Inch-to-mm conversion during transmission
0: Disabled, 1: Enabled</td><td>0: In immediate transmission, data scanned in inch format are transmitted without conversion.
In memory transmission, data stored in the SAF memory in mm format are transmitted without conversion.
Note: When storing the scanned data into SAF memory, the fax unit always converts the data into mm format.
1: The machine converts the scanned data or stored data in the SAF memory to the format which was specified in the set-up protocol (DIS/NSF) before transmission.</td></tr>
<tr><td>1-5</td><td colspan="3">Not used</td><td>Do not change the factory settings.</td></tr>
<tr><td rowspan="6">6-7</td><td colspan="3">Available unit of resolution in which fax messages are received</td><td rowspan="6">For the best performance, do not change the factory settings.
The setting determined by these bits is informed to the transmitting terminal in the pre-message protocol exchange (in the DIS/NSF frames).</td></tr>
<tr><td>Bit 7</td><td>Bit 6</td><td>Unit</td></tr>
<tr><td>0</td><td>0</td><td>mm</td></tr>
<tr><td>0</td><td>1</td><td>inch</td></tr>
<tr><td>1</td><td>0</td><td>mm and inch</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
</table>

Communication Switch 15 – Not used (do not change the settings)

Communication Switch 16 (SP No. 1-104-023)		
No	**Function**	**Comments**
0	Not used	Do not change the settings.
1	Optional G3 unit (G3-2) 0: Not installed 1: Installed	Change this bit to 1 when installing the first optional G3 unit.
2	Not used	
3	Select PSTN connection 0: Off 1: On	This switch enables the G3-2. 0: Off, no connection 1: Recognizes and enables G3-2. This switch can be used only after G3-2 has been installed.
4-7	Not used	Do not change the settings.

Communication Switch 17 (SP No. 1-104-024)		
No	**Function**	**Comments**
0	SEP reception 0: Disabled 1: Enabled	0: Polling transmission to another maker's machine using the SEP (Selective Polling) signal is disabled.
1	SUB reception 0: Disabled 1: Enabled	0: Confidential reception to another maker's machine using the SUB (Sub-address) signal is disabled.
2	PWD reception 0: Disabled 1: Enabled	0: Disables features that require PWD (Password) signal reception.
3-4	Not used	Do not change the settings.
5	PSTN dial-in routing setting 0: OFF 1: ON	1: The machine sets multiple PSTN dial-in numbers in the PSTN dial-in line and transfers received data from each PSTN dial-in number to each address.

6	Not used	Do not change the settings.
7	Action when there is no box with an F-code that matches the received SUB code 0: Disconnect the line 1: Receive the message (using normal reception mode)	Change this setting when the customer requires.

Communication Switch 18 (SP No. 1-104-025)		
No	**Function**	**Comments**
0-4	Not used	Do not change the settings.
5	IP-Fax dial-in routing selection 0: Off 1: On	1: Transfers received data to each IP-Fax dial-in number. IP-Fax dial-in number is a 4-digit number.
6	PSTN 2 dial-in routing 0: Off 1: On	Enables or disables dial-in routing for the PSTN 2 connection.
7	PSTN 3 dial-in routing 0: Off 1: On	Enables or disables dial-in routing for the PSTN 3 connection.

Communication Switch 19 - Not used (do not change the settings)
Communication Switch 1A - Not used (do not change the settings)

Communication Switch 1B (SP No. 1-104-028)		
No	**Function**	**Comments**
0-7	Extension access code (0 to 7) to turn V.8 protocol On/Off 0: On 1: Off	If the PABX does not support V.8/V.34 protocol procedure, set this bit to "1" to disable V.8. Example: If "0" is the PSTN access code, set bit 0 to 1. When the machine detects "0" as the first dialed number, it automatically disables V.8 protocol. (Alternatively, if "3" is the PSTN access code, set bit 3 to 1.)

Communication Switch 1C (SP No. 1-104-029)		
No	**Function**	**Comments**
0-1	Extension access code (8 and 9) to turn V.8 protocol On/Off 0: On 1: Off	Refer to communication switch 1B. Example: If "8" is the PSTN access code, set bit 0 to 1. When the machine detects "8" as the first dialed number, it automatically disables V.8 protocol. (If "9" is the PSTN access code, use bit 1.)
2-7	Not used	Do not change the settings.

Communication Switch 1D - Not used (do not change the settings)
Communication Switch 1E - Not used (do not change the settings)
Communication Switch 1F - Not used (do not change the settings)

4.6 BIT SWITCHES - 4

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

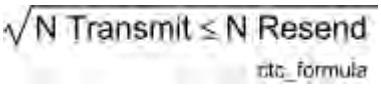
Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

4.6.1 G3 SWITCHES

<table>
<tr><th colspan="5">G3 Switch 00 (SP No. 1-105-001)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="7">0
1</td><td colspan="3">Monitor speaker during communication (tx and rx)</td><td rowspan="7">(0, 0): The monitor speaker is disabled all through the communication.
(0, 1): The monitor speaker is on up to phase B in the T.30 protocol.
(1, 0): Used for testing. The monitor speaker is on all through the communication. Make sure that you reset these bits after testing.</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>Disabled</td></tr>
<tr><td>0</td><td>1</td><td>Up to Phase B</td></tr>
<tr><td>1</td><td>0</td><td>All the time</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td>2</td><td colspan="3">Monitor speaker during memory transmission
0: Disabled 1: Enabled</td><td>1: The monitor speaker is enabled during memory transmission.</td></tr>
<tr><td>3-7</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
</table>

G3 Switch 01 (SP No. 1-105-002)		
No	**Function**	**Comments**
0-3	Not used	Do not change the settings.
4	DIS frame length 0: 10 bytes 1: 4 bytes	1: The bytes in the DIS frame after the 4th byte will not be transmitted (set to 1 if there are communication problems with PC-based faxes which cannot receive the extended DIS frames).
5	Not used	Do not change the setting.
6	Forbid CED/AMsam output 0: Off 1: On (Forbid output)	Do not change this setting (Default: 0: Off), unless communication problem is caused by a CED or ANSam transmission.
7	Not used	Do not change the setting.

G3 Switch 02 (SP No. 1-105-003)		
No	**Function**	**Comments**
0	G3 protocol mode used 0: Standard and non-standard 1: Standard only	Change this bit to 1 only when the other end can only communicate with machines that send T.30-standard frames only. 1: Disables NSF/NSS signals (these are used in non-standard mode communication)
1-6	Not used	Do not change the settings.
7	Short preamble 0: Disabled 1: Enabled	Refer to Appendix B in the Group 3 Facsimile Manual for details about Short Preamble.

G3 Switch 03 (SP No. 1-105-004)		
No	**Function**	**Comments**
0	DIS detection number (Echo countermeasure) 0: 1 1: 2	0: The machine will hang up if it receives the same DIS frame twice. 1: Before sending DCS, the machine will wait for the second DIS which is caused by echo on the line.
1	Not Used	Do not change the settings.
2	V.8 protocol 0: Disabled 1: Enabled	0: V.8/V.34 communications will not be possible. Note ▪ Do not set to 0 unless the line condition is always bad enough to slow down the data rate to 14.4 kbps or lower.
3	ECM frame size 0: 256 bytes 1: 64 bytes	Keep this bit at "0" in most cases.
4	CTC transmission conditions 0: After one PPR signal received 1: After four PPR signals received (ITU-T standard)	0: When using ECM in non-standard (NSF/NSS) mode, the machine sends a CTC to drop back the modem rate after receiving a PPR, if the following condition is met in communications at 14.4, 12.0, 9.6, and 7.2 kbps.  NTransmit- Number of transmitted frames NResend- Number of frames to be retransmitted 1: When using ECM, the machine sends a CTC to drop back the modem rate after receiving four PPRs. PPR, CTC: These are ECM protocol signals. This bit is not effective in V.34 communications.
5	Modem rate used for the next page after receiving a negative code (RTN or PIN) 0: No change 1: Fallback	1: The machine's tx modem rate will fall back before sending the next page if a negative code is received. This bit is ignored if ECM is being used.

6	Not used	Do not change the settings
7	Select detection of reverse polarity in ringing 0: Off 1: On	This switch is used to prevent reverse polarity in ringing on the phone line (applied to PSTN-G3 ringing). Do not change this setting 0: No detection 1: Detection (Japan and Korea only)

G3 Switch 04 (SP No. 1-105-005)

No	Function	Comments
0-3	Training error detection threshold	0 - F (Hex); 0 - 15 bits If the number of error bits in the received TCF is below this threshold, the machine informs the sender that training has succeeded.
4-7	Not used	Do not change the settings.

G3 Switch 05 (SP No. 1-105-006)

No	Function					Comments
0-3	Initial Tx modem rate (kbps)					These bits set the initial starting modem rate for transmission. Use the dedicated transmission parameters if you need to change this for specific receivers. If a modem rate 14.4 kbps or slower is selected, V.8 protocol should be disabled manually. Cross reference V.8 protocol on/off - G3 switch 03, bit 2
	Bit 3	Bit 2	Bit 1	Bit 0	kbps	
	0	0	0	1	2.4	
	0	0	1	0	4.8	
	0	0	1	1	7.2	
	0	1	0	0	9.6	
	0	1	0	1	12.0	
	0	1	1	0	14.4	
	0	1	1	1	16.8	
	1	0	0	0	19.2	
	1	0	0	1	21.6	

<table>
<tr><td rowspan="7"></td><td>1</td><td>0</td><td>1</td><td>0</td><td>24.0</td><td rowspan="7"></td></tr>
<tr><td>1</td><td>0</td><td>1</td><td>1</td><td>26.4</td></tr>
<tr><td>1</td><td>1</td><td>0</td><td>0</td><td>28.8</td></tr>
<tr><td>1</td><td>1</td><td>0</td><td>1</td><td>31.2</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>1</td><td>33.6</td></tr>
<tr><td colspan="5">Other settings - Not used</td></tr>
<tr><td rowspan="6">4-5</td><td colspan="5">Initial modem type for 9.6 k or 7.2 kbps.</td><td rowspan="6">These bits set the initial modem type for 9.6 and 7.2 kbps, if the initial modem rate is set at these speeds.</td></tr>
<tr><td>Bit 5</td><td colspan="2">Bit 4</td><td colspan="2">Setting</td></tr>
<tr><td>0</td><td colspan="2">0</td><td colspan="2">V.29</td></tr>
<tr><td>0</td><td colspan="2">1</td><td colspan="2">V.17</td></tr>
<tr><td>1</td><td colspan="2">0</td><td colspan="2">V.34</td></tr>
<tr><td>1</td><td colspan="2">1</td><td colspan="2">Not used</td></tr>
<tr><td>6-7</td><td colspan="5">Not used</td><td>Do not change the settings.</td></tr>
</table>

<table>
<tr><th colspan="7">G3 Switch 06 (SP No. 1-105-007)</th></tr>
<tr><th>No</th><th colspan="5">Function</th><th>Comments</th></tr>
<tr><td rowspan="11">0-3</td><td colspan="5">Initial Rx modem rate(kbps)</td><td rowspan="11">These bits set the initial starting modem rate for reception.
Use a lower setting if high speeds pose problems during reception.
If a modem rate 14.4 kbps or slower is selected, V.8 protocol should be disabled manually.
Cross reference
V.8 protocol on/off - G3 switch 03, bit2</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td><td>kbps</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>1</td><td>2.4</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>0</td><td>4.8</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>1</td><td>7.2</td></tr>
<tr><td>0</td><td>1</td><td>0</td><td>0</td><td>9.6</td></tr>
<tr><td>0</td><td>1</td><td>0</td><td>1</td><td>12.0</td></tr>
<tr><td>0</td><td>1</td><td>1</td><td>0</td><td>14.4</td></tr>
<tr><td>0</td><td>1</td><td>1</td><td>1</td><td>16.8</td></tr>
<tr><td>1</td><td>0</td><td>0</td><td>0</td><td>19.2</td></tr>
</table>

	1	0	0	1	21.6	
	1	0	1	0	24.0	
	1	0	1	1	26.4	
	1	1	0	0	28.8	
	1	1	0	1	31.2	
	Other settings - Not used					

4-7

Modem types available for reception
The setting of these bits is used to inform the transmitting terminal of the available modem type for the machine in receive mode.
If V.34 is not selected, V.8 protocol must be disabled manually.
Cross reference
V.8 protocol on/off - G3 switch 03, bit 2

Bit 7	Bit 6	Bit 5	Bit 4	Types
0	0	0	1	V.27ter
0	0	1	0	V.27ter, V.29
0	0	1	1	V.27ter, V.29, V.33
0	1	0	0	V.27ter, V.29, V.17/V.33
0	1	0	1	V.27ter, V.29, V.17/V33, V.34
Other settings - Not used				

<table>
<tr><th colspan="3">G3 Switch 07 (SP No. 1-105-008)</th></tr>
<tr><th>No</th><th>Function</th><th>Comments</th></tr>
<tr><td>0-1</td><td>PSTN cable equalizer
(tx mode: Internal)
<table><tr><th>Bit 1</th><th>Bit 0</th><th>Setting</th></tr><tr><td>0</td><td>0</td><td>None</td></tr><tr><td>0</td><td>1</td><td>Low</td></tr><tr><td>1</td><td>0</td><td>Medium</td></tr><tr><td>1</td><td>1</td><td>High</td></tr></table></td><td>Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange.
Use the dedicated transmission parameters for specific receivers.
Also, try using the cable equalizer if one or more of the following symptoms occurs.
Communication error
Modem rate fallback occurs frequently.
Note
▪ This setting is not effective in V.34 communications.</td></tr>
<tr><td>2-3</td><td>PSTN cable equalizer
(rx mode: Internal)
<table><tr><th>Bit 3</th><th>Bit 2</th><th>Setting</th></tr><tr><td>0</td><td>0</td><td>None</td></tr><tr><td>0</td><td>1</td><td>Low</td></tr><tr><td>1</td><td>0</td><td>Medium</td></tr><tr><td>1</td><td>1</td><td>High</td></tr></table></td><td>Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange.
Also, try using the cable equalizer if one or more of the following symptoms occurs.
Communication error with error codes such as 0-20, 0-23, etc.
Modem rate fallback occurs frequently.
Note
▪ This setting is not effective in V.34 communications.</td></tr>
<tr><td>4</td><td>PSTN cable equalizer
(V.8/V.17 rx mode: External)
0: Disabled
1: Enabled</td><td>Keep this bit at "1".</td></tr>
</table>

5	Not used	Do not change the settings.
6	Parameter selection for dial tone detection 0: Normal parameter 1: Specific parameter	0: This uses the fixed table in the ROM for dial tone detection. 1: This uses the specific parameter adjusted with SRAM (69ECBEH - 69ECDEH). Select this if the dial tone cannot be detected when the "Normal parameter: 0" is selected.
7	Not used	Do not change the settings.

G3 Switch 08 - Not used (do not change the settings)
G3 Switch 09 - Not used (do not change the settings)

<table>
<tr><th colspan="5">G3 Switch 0A (SP No. 1-105-011)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="6">0-1</td><td colspan="3">Maximum allowable carrier drop during image data reception</td><td rowspan="6">These bits set the acceptable modem carrier drop time.
Try a longer setting if error code 0-22 is frequent.</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td>Value (ms)</td></tr>
<tr><td>0</td><td>0</td><td>200</td></tr>
<tr><td>0</td><td>1</td><td>400</td></tr>
<tr><td>1</td><td>0</td><td>800</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
<tr><td>2</td><td colspan="3">Select cancellation of high-speed RX if carrier signal lost while receiving
0: Off
1: On</td><td>This switch setting determines if high-speed receiving ends if the carrier signal is lost when receiving during non-ECM mode</td></tr>
<tr><td>3</td><td colspan="3">Not used</td><td>Do not change the settings</td></tr>
</table>

4	Maximum allowable frame interval during image data reception. 0: 5 s 1: 13 s	This bit set the maximum interval between EOL (end-of-line) signals and the maximum interval between ECM frames from the other end. Try using a longer setting if error code 0-21 is frequent.
5	Not used	Do not change the settings.
6	Reconstruction time for the first line in receive mode 0: 6 s 1: 12 s	When the sending terminal is controlled by a computer, there may be a delay in receiving page data after the local machine accepts set-up data and sends CFR. This is outside the T.30 recommendation. But, if this delay occurs, set this bit to 1 to give the sending machine more time to send data. Refer to error code 0-20. ITU-T T.30 recommendation: The first line should come within 5 s of CFR.
7	Not used	Do not change the settings.

G3 Switch 0B Not used (do not change the settings).
G3 Switch 0C Not used (do not change the settings).
G3 Switch 0D Not used (do not change the settings).

G3 Switch 0E (SP No. 1-105-015)		
No	**Function**	**Comments**
0-7	Set CNG send time interval Some machines on the receiving side may not be able to automatically switch the 3-second CNG interval.	
	High order bit	3000-2250ms: 3000-50xNms 3000 – 50 x Nms 0F (3000 ms) <= N <= FF (2250 ms)
	Low order bit	00-0E(3000-3700ms: 3000+50xNms 3000 – 50 x Nms 0F (3000 ms) <= N <= 0F (3700 ms)

G3 Switch 0F (SP No. 1-105-016)		
No	**Function**	**Comments**
0	Alarm when an error occurred in Phase C or later 0: Disabled 1: Enabled	If the customer wants to hear an alarm after each error communication, change this bit to "1".
1	Alarm when the handset is off-hook at the end of communication 0: Disabled 1: Enabled	If the customer wants to hear an alarm if the handset is off-hook at the end of fax communication, change this bit to "1".
2-3	Not used	Do not change the settings.
4	Sidaa manual calibration setting 0: Off 1: On	1: manually calibrates for communication with a line whose current change occurs such as an optical fiber line.
5-7	Not used	Do not change the settings.

4.7 BIT SWITCHES - 5

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

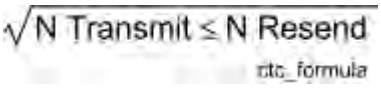
4.7.1 G3-2 AND G3-3 SWITCHES

These switches require an optional G3 interface unit.
G3-3 switches are the same as for G3-2 switches.

<table>
<tr><th colspan="5">G3-2 Switch 00 (SP No. 1-106-001)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="8">0
1</td><td colspan="3">Monitor speaker during communication (tx and rx)</td><td rowspan="8">(0, 0): The monitor speaker is disabled all through the communication.
(0, 1): The monitor speaker is on up to phase B in the T.30 protocol.
(1, 0): Used for testing. The monitor speaker is on all through the communication. Make sure that you reset these bits after testing.</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td>Setting</td></tr>
<tr><td>0</td><td>0</td><td>Disable</td></tr>
<tr><td>0</td><td>1</td><td>Up to Phase B</td></tr>
<tr><td>1</td><td>0</td><td>All the time</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
<tr><td colspan="3"></td></tr>
<tr><td>2</td><td colspan="3">Monitor speaker during memory transmission
0: Disabled 1: Enabled</td><td>1: The monitor speaker is enabled during memory transmission.</td></tr>
<tr><td>3-7</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
</table>

G3-2 Switch 01 (SP No. 1-106-002)		
No	**Function**	**Comments**
0-3	Not used	Do not change the settings.
4	DIS frame length 0: 10 bytes 1: 4 bytes	1: The bytes in the DIS frame after the 4th byte will not be transmitted (set to 1 if there are communication problems with PC-based faxes which cannot receive the extended DIS frames).
5	Not used	Do not change the setting.
6	Forbid CED/AMsam output 0: Off 1: On (Forbid output)	Do not change this setting (Default: 0: Off), unless communication problem is caused by a CED or ANSam transmission.
7	Not used	Do not change the setting.

G3-2 Switch 02 (SP No. 1-106-003)		
No	**Function**	**Comments**
0	G3 protocol mode used 0: Standard and non-standard 1: Standard only	Change this bit to 1 only when the other end can only communicate with machines that send T.30-standard frames only. 1: Disables NSF/NSS signals (these are used in non-standard mode communication)
1-6	Not used	Do not change the settings.
7	Short preamble 0: Disabled 1: Enabled	Refer to Appendix B in the Group 3 Facsimile Manual for details about Short Preamble.

G3-2 Switch 03 (SP No. 1-106-004)		
No	**Function**	**Comments**
0	DIS detection number (Echo countermeasure) 0: 1 1: 2	0: The machine will hang up if it receives the same DIS frame twice. 1: Before sending DCS, the machine will wait for the second DIS which is caused by echo on the line.
1	Not Used	Do not change the settings.
2	V.8 protocol 0: Disabled 1: Enabled	0: V.8/V.34 communications will not be possible. Note ▪ Do not set to 0 unless the line condition is always bad enough to slow down the data rate to 14.4 kbps or lower.
3	ECM frame size 0: 256 bytes 1: 64 bytes	Keep this bit at "0" in most cases.
4	CTC transmission conditions 0: After one PPR signal received 1: After four PPR signals received (ITU-T standard)	0: When using ECM in non-standard (NSF/NSS) mode, the machine sends a CTC to drop back the modem rate after receiving a PPR, if the following condition is met in communications at 14.4, 12.0, 9.6, and 7.2 kbps.  Ntransmit = Number of transmitted frames Nresend = Number of frames to be retransmitted 1: When using ECM, the machine sends a CTC to drop back the modem rate after receiving four PPRs. PPR, CTC: These are ECM protocol signals. This bit is not effective in V.34 communications.
5	Modem rate used for the next page after receiving a negative code (RTN or PIN) 0: No change 1: Fallback	1: The machine's tx modem rate will fall back before sending the next page if a negative code is received. This bit is ignored if ECM is being used.

6	Not used	Do not change the settings
7	Select detection of reverse polarity in ringing 0: Off 1: On	This switch is used to prevent reverse polarity in ringing on the phone line (applied to PSTN-G3 ringing). Do not change this setting 0: No detection 1: Detection (Japan and Korea only)

G3-2 Switch 04 (SP No. 1-106-005)

No	Function	Comments
0-3	Training error detection threshold	0 - F (Hex); 0 - 15 bits If the number of error bits in the received TCF is below this threshold, the machine informs the sender that training has succeeded.
4-7	Not used	Do not change the settings.

G3-2 Switch 05 (SP No. 1-106-006)

No	Function					Comments
0-3	Initial Tx modem rate (kbps)					These bits set the initial starting modem rate for transmission. Use the dedicated transmission parameters if you need to change this for specific receivers. If a modem rate 14.4 kbps or slower is selected, V.8 protocol should be disabled manually. Cross reference V.8 protocol on/off - G3 switch 03, bit 2
	Bit 3	Bit 2	Bit 1	Bit 0	kbps	
	0	0	0	1	2.4	
	0	0	1	0	4.8	
	0	0	1	1	7.2	
	0	1	0	0	9.6	
	0	1	0	1	12.0	
	0	1	1	0	14.4	
	0	1	1	1	16.8	
	1	0	0	0	19.2	
	1	0	0	1	21.6	

<table>
<tr><td></td><td>1</td><td>0</td><td>1</td><td>0</td><td>24.0</td><td></td></tr>
<tr><td></td><td>1</td><td>0</td><td>1</td><td>1</td><td>26.4</td><td></td></tr>
<tr><td></td><td>1</td><td>1</td><td>0</td><td>0</td><td>28.8</td><td></td></tr>
<tr><td></td><td>1</td><td>1</td><td>0</td><td>1</td><td>31.2</td><td></td></tr>
<tr><td></td><td colspan="5">Other settings - Not used</td><td></td></tr>
<tr><td rowspan="6">4-5</td><td colspan="5">Initial modem type for 9.6 k or 7.2 kbps.</td><td rowspan="6">These bits set the initial modem type for 9.6 and 7.2 kbps, if the initial modem rate is set at these speeds.</td></tr>
<tr><td>Bit 5</td><td colspan="2">Bit 4</td><td colspan="2">Setting</td></tr>
<tr><td>0</td><td colspan="2">0</td><td colspan="2">V.29</td></tr>
<tr><td>0</td><td colspan="2">1</td><td colspan="2">V.17</td></tr>
<tr><td>1</td><td colspan="2">0</td><td colspan="2">V.34</td></tr>
<tr><td>1</td><td colspan="2">1</td><td colspan="2">Not used</td></tr>
<tr><td>6-7</td><td colspan="5">Not used</td><td>Do not change the settings.</td></tr>
</table>

<table>
<tr><th colspan="7">G3-2 Switch 06 (SP No. 1-106-007)</th></tr>
<tr><th>No</th><th colspan="5">Function</th><th>Comments</th></tr>
<tr><td rowspan="11">0-3</td><td colspan="5">Initial Rx modem rate(kbps)</td><td rowspan="11">These bits set the initial starting modem rate for reception.
Use a lower setting if high speeds pose problems during reception.
If a modem rate 14.4 kbps or slower is selected, V.8 protocol should be disabled manually.
Cross reference
V.8 protocol on/off - G3 switch 03, bit2</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td><td>kbps</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>1</td><td>2.4</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>0</td><td>4.8</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>1</td><td>7.2</td></tr>
<tr><td>0</td><td>1</td><td>0</td><td>0</td><td>9.6</td></tr>
<tr><td>0</td><td>1</td><td>0</td><td>1</td><td>12.0</td></tr>
<tr><td>0</td><td>1</td><td>1</td><td>0</td><td>14.4</td></tr>
<tr><td>0</td><td>1</td><td>1</td><td>1</td><td>16.8</td></tr>
<tr><td>1</td><td>0</td><td>0</td><td>0</td><td>19.2</td></tr>
<tr><td>1</td><td>0</td><td>0</td><td>1</td><td>21.6</td></tr>
</table>

	1	0	1	0	24.0	
	1	0	1	1	26.4	
	1	1	0	0	28.8	
	1	1	0	1	31.2	
	Other settings - Not used					

4-7

Modem types available for reception

The setting of these bits is used to inform the transmitting terminal of the available modem type for the machine in receive mode.

If V.34 is not selected, V.8 protocol must be disabled manually.

Cross reference

V.8 protocol on/off - G3 switch 03, bit 2

Bit 7	Bit 6	Bit 5	Bit 4	Types
0	0	0	1	V.27ter
0	0	1	0	V.27ter
0	0	1	1	V.27ter
0	1	0	0	V.27ter
0	1	0	1	V.27ter
Other settings - Not used				

<table>
<tr><th colspan="3">G3-2 Switch 07 (SP No. 1-106-008)</th></tr>
<tr><th>No</th><th>Function</th><th>Comments</th></tr>
<tr><td rowspan="2">0-1</td><td>PSTN cable equalizer
(tx mode: Internal)
<table><tr><td>Bit 1</td><td>Bit 0</td><td>Setting</td></tr><tr><td>0</td><td>0</td><td>None</td></tr><tr><td>0</td><td>1</td><td>Low</td></tr><tr><td>1</td><td>0</td><td>Medium</td></tr><tr><td>1</td><td>1</td><td>High</td></tr></table></td><td rowspan="2">Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange.
Use the dedicated transmission parameters for specific receivers.

Also, try using the cable equalizer if one or more of the following symptoms occurs.
Communication error
Modem rate fallback occurs frequently.
Note
▪ This setting is not effective in V.34 communications.</td></tr>
<tr><td>2-3</td><td>PSTN cable equalizer
(rx mode: Internal)
<table><tr><td>Bit 3</td><td>Bit 2</td><td>Setting</td></tr><tr><td>0</td><td>0</td><td>None</td></tr><tr><td>0</td><td>1</td><td>Low</td></tr><tr><td>1</td><td>0</td><td>Medium</td></tr><tr><td>1</td><td>1</td><td>High</td></tr></table></td><td>Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange.
Also, try using the cable equalizer if one or more of the following symptoms occurs.
Communication error with error codes such as 0-20, 0-23, etc.
Modem rate fallback occurs frequently.
Note
▪ This setting is not effective in V.34 communications.</td></tr>
<tr><td>4</td><td>PSTN cable equalizer
(V.8/V.17 rx mode: External)
0: Disabled
1: Enabled</td><td>Keep this bit at "1".</td></tr>
</table>

5-7	Not used	Do not change the settings.

G3-2 Switch 08 - Not used (do not change the settings)
G3-2 Switch 09 - Not used (do not change the settings)

<table>
<tr><th colspan="5">G3-2 Switch 0A (SP No. 1-106-011)</th></tr>
<tr><th>No</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="6">0-1</td><td colspan="3">Maximum allowable carrier drop during image data reception</td><td rowspan="6">These bits set the acceptable modem carrier drop time.
Try a longer setting if error code 0-22 is frequent.</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td>Value (ms)</td></tr>
<tr><td>0</td><td>0</td><td>200</td></tr>
<tr><td>0</td><td>1</td><td>400</td></tr>
<tr><td>1</td><td>0</td><td>800</td></tr>
<tr><td>1</td><td>1</td><td>Not used</td></tr>
<tr><td>2-3</td><td colspan="3">Not used</td><td>Do not change the settings</td></tr>
<tr><td>4</td><td colspan="3">Maximum allowable frame interval during image data reception.
0: 5 s 1: 13 s</td><td>This bit set the maximum interval between EOL (end-of-line) signals and the maximum interval between ECM frames from the other end.
Try using a longer setting if error code 0-21 is frequent.</td></tr>
<tr><td>5</td><td colspan="3">Not used</td><td>Do not change the settings.</td></tr>
</table>

6	Reconstruction time for the first line in receive mode 0: 6 s 1: 12 s	When the sending terminal is controlled by a computer, there may be a delay in receiving page data after the local machine accepts set-up data and sends CFR. This is outside the T.30 recommendation. But, if this delay occurs, set this bit to 1 to give the sending machine more time to send data. Refer to error code 0-20. ITU-T T.30 recommendation: The first line should come within 5 s of CFR.
7	Not used	Do not change the settings.

G3-2 Switch 0B- Not used (do not change the settings)
G3-2 Switch 0C- Not used (do not change the settings)
G3-2 Switch 0E- Not used (do not change the settings)
G3-2 Switch 0F- Not used (do not change the settings)

4.7.2 G4 INTERNAL SWITCHES

The G4 internal switches (SW00 to 1F) are displayed but do not change these settings.

4.7.3 G4 PARAMETER SWITCHES

The G4 parameter switches (SW00 to 0F) are displayed but do not change these settings.

4.8 BIT SWITCHES - 6

Note

- Do not adjust a bit switch or use a setting that is described as "Not used", as this may cause the machine to malfunction or to operate in a manner that is not accepted by local regulations. Such bits are for use only in other areas, such as Japan.

Default settings for bit switches are not listed in this manual. Refer to the System Parameter List printed by the machine.

4.8.1 IP FAX SWITCHES

IP Fax Switch 00 (SP No. 1-111-001)		
No.	**Function**	**Comments**
0	Not used	Do not change this setting.
1	IP Fax Transport 0: TCP, 1: UDP	Selects TCP or UDP protocol for IP-Fax
2	IP Fax single port selection 0: OFF, 1: ON (enable)	Selects single data port.
3	IP Fax double ports (single data port) selection 0: OFF, 1: ON (enable)	Selects whether IP-Fax uses a double port.
4	IP Fax Gatekeeper 0: OFF, 1: ON (enable)	Enables/disables the gatekeeper for IP-Fax.
5	IP Fax T30 bit signal reverse 0: LSB first, 1: MSB first	Reverses the T30 bit signal.
6	IP Fax max bit rate setting 0: Not affected, 1: Affected	When "0" is selected, the max bit rate does not affect the value of the DIS/DCS. When "1" is selected, the max bit rate affects the value of the DIS/DCS.

7	IP Fax received telephone number confirmation 0: No confirmation, 1: Confirmation	When "0" is selected, fax data is received without checking the telephone number. When "1" is selected, fax data is received only when confirming that the telephone number from the sender matches the registered telephone number in this machine. If this confirmation fails, the line is disconnected.

IP Fax Switch 01 (SP No. 1-111-002)

No.	Function	Comments
0-3	IP Fax delay level setting Selects the acceptable delay level. Level 0 is the highest quality Default is "0000" (level 0).	

Bit 3	Bit 2	Bit 1	Bit 0	
0	0	0	0	Level 0
0	0	0	1	Level 1
0	0	1	0	Level 2
0	0	1	1	Level 3

4-7	IP Fax preamble wait time setting	Selects the preamble wait time. [00 to 0f] There are 16 values in this 4-bit binary switch combination. Waiting time: set value level x 100 ms Max: 0f (1500 ms) Min: 00 (No wait time) The default is "0000" (00H).

IP Fax Switch 02 (SP No. 1-111-003)		
No.	**Function**	**Comments**
0	IP Fax bit signal reverse setting 0: Maker code setting 1: Internal bit switch setting	When "0" is selected, the bit signal reverse method is decided by the maker code. When "1" is selected, the bit signal reverse method is decided by the internal bit switch. When communicating between IP Fax devices, LSB first is selected.)
1	IP Fax transmission speed setting 0: Modem speed 1: No limitation	Selects the transmit speed for IP Fax communication.
2	SIP transport setting 0: TCP 1: UDP	This bit switch sets the transport that has priority for receiving IP Fax data. This function is activated only when the sender has both TCP and UDP.
3	CCM connection 0: No CCM connection 1: CCM connection	When "1" is selected, only the connection call message with H.323 or no tunneled H.245 is transmitted via CCM.
4	Message reception selection from non-registered SIP server 0: Answer 1: Not answer	0: This answers the INVITE message from the SIP server not registered for the machine. 1: This does not receive the INVITE message from the SIP server not registered for the machine and send a refusal message.
5	ECM communication setting 0: No limit for image compression 1: Limit for image compression	0: This does not limit the type of the image compression with ECM communication. 1: When the other end machine is Ciscco, this permits the image compression other than JBIG or MMR with ECM communication.
6-7	Not used	Do not change these settings.

IP Fax Switch 03 (SP No. 1-111-004)		
No.	**Function**	**Comments**
0	Effective field limitation for G3 standard function information 0: OFF, 1: 4byte (DIS)	Limits the effective field for standard G3 function information.
1	Switching between G3 standard and G3 non standard 0: Enable switching 1: G3 standard only	Enables/disables switching between G3 standard and G3 non-standard.
2	Not used	Do not change this setting.
3	ECM frame size selection at transmitting 0: 256byte, 1: 64byte	Selects the ECM frame size for sending.
4	DIS detection times for echo prevention 0: 1 time, 1: 2 times	Sets the number of times for DIS to detect echoes.
5	CTC transmission selection 0: PPRx1 1: PPRx4	When "0" is selected, the transmission condition is decided by error frame numbers. When "1" is selected, the transmission condition is based on the ITU-T method.
6	Shift down setting at receiving negative code 0: OFF, 1: ON	Selects whether to shift down when negative codes are received.
7	Not used	Do not change this setting.

IP Fax Switch 04 (SP No. 1-111-005)		
No.	**Function**	**Comments**
0-3	TCF error threshold	Sets the TCF error threshold level. [00 to 0f] The default is "1111" (0fH).
4-7	Not used	Do not change these settings.

IP Fax Switch 05 (SP No. 1-111-006)

No.	Function	Comments
0-3	Modem bit rate setting for transmission (kbps) Bit 3 / Bit 2 / Bit 1 / Bit 0 / kbps: 0 / 0 / 0 / 1 / 2.4 0 / 0 / 1 / 1 / 4.8 0 / 0 / 1 / 1 / 7.2 0 / 1 / 0 / 0 / 9.6 0 / 1 / 0 / 1 / 12.0 0 / 1 / 1 / 0 / 14.4	Sets the modem bit rate for transmission. The default is "0110" (14.4K bps).
4-5	Modem setting for transmission Bit 5 / Bit 4 / Types: 0 / 0 / V29 0 / 1 / V17 1 / 0 / Not used 1 / 1 / Not used	Sets the modem type for transmission. The default is "00" (V29).
6-7	Not used	Do not change these settings.

IP Fax Switch 06 (SP No. 1-111-007)

No.	Function	Comments
0-3	Modem bit rate setting for reception Sets the modem bit rate for reception. The default is "0110" (14.4K bps).	
4-7	Modem setting for reception Sets the modem type for reception. The default is "0100" (V27ter, V29, V17). Bit 7 / Bit 6 / Bit 5 / Bit 4 / Types: 0 / 0 / 0 / 1 / V.27ter	

	0	0	1	0	V.27ter, V.29
	0	0	1	1	V.27ter, V.29, V.33
	0	1	0	0	V.27ter, V.29, V.17/V.33
	Other settings - Not used				

IP Fax Switch 07 (SP No. 1-111-008)		
No.	**Function**	**Comments**
0	TSI information 0: Not added, 1: Added	Adds or does not add TSI information to NSS(S).
1	DCN transmission setting at T1 timeout 0: Not transmitted 1: Transmitted	Transmits or does not transmit DCN at T1 timeout.
2	Not used	Do not change this setting.
3	Hang up setting at DIS reception disabled 0: No hang up 1: Hang up after transmitting DCN	Sets whether the machine disconnects after DIS reception.
4	Number of times for training 0: 1 time, 1: 2 times	Selects the number of times training is done at the same bit rate.
5	Space CSI transmission setting at no CSI registration 0: Not transmitted 1: Transmitted	When "0" is selected, frame data is enabled. When "1" is selected, the transmitted data is all spaces.
6-7	Not used	Do not change these settings.

<table>
<tr><th colspan="5">IP Fax Switch 08 (SP No. 1-111-009)</th></tr>
<tr><th>No.</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td rowspan="6">0-1</td><td colspan="3">T1 timer adjustment</td><td rowspan="6">Adjusts the T1 timer.
The default is "00" (35 seconds).</td></tr>
<tr><td>Bit 1</td><td>Bit 0</td><td></td></tr>
<tr><td>0</td><td>0</td><td>35 s</td></tr>
<tr><td>0</td><td>1</td><td>40 s</td></tr>
<tr><td>1</td><td>0</td><td>50 s</td></tr>
<tr><td>1</td><td>1</td><td>60 s</td></tr>
<tr><td rowspan="6">2-3</td><td colspan="3">T4 timer adjustment</td><td rowspan="6">Adjust the T4 timer.
The default is "00" (3 seconds).</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td></td></tr>
<tr><td>0</td><td>0</td><td>3 s</td></tr>
<tr><td>0</td><td>1</td><td>3.5 s</td></tr>
<tr><td>1</td><td>0</td><td>4 s</td></tr>
<tr><td>1</td><td>1</td><td>5 s</td></tr>
<tr><td rowspan="6">4-5</td><td colspan="3">T0 timer adjustment</td><td rowspan="6">Adjusts the fail safe timer. This timer sets the interval between "setup" data transmission and T.38 phase decision. If your destination return is late on the network or G3 fax return is late, adjust the longer interval timer.
The default is "00" (75 seconds).</td></tr>
<tr><td>Bit 5</td><td>Bit 4</td><td></td></tr>
<tr><td>0</td><td>0</td><td>75 s</td></tr>
<tr><td>0</td><td>1</td><td>120 s</td></tr>
<tr><td>1</td><td>0</td><td>180 s</td></tr>
<tr><td>1</td><td>1</td><td>240 s</td></tr>
<tr><td>6-7</td><td colspan="3">Not used</td><td>Do not change these settings.</td></tr>
</table>

<table>
<tr><th colspan="5">IP Fax Switch 09 (SP No. 1-111-010)</th></tr>
<tr><th>No.</th><th colspan="3">Function</th><th>Comments</th></tr>
<tr><td>0</td><td colspan="3">Network I/F setting for SIP connection
0: IPv4
1: IPv6.</td><td>Selects the connection type (IPV4 or IPV6) to connect to the SIP server.</td></tr>
<tr><td>1</td><td colspan="3">Network I/F setting for Fax communication
0: Same setting as SIP server connection
1: Automatic setting</td><td>0: The I/F setting for fax communication follows the setting for SIP server connection.
1: The negotiation between the SIP server and the device decides whether IPv4 or IPv6 is used for the I/F setting for fax communication.</td></tr>
<tr><td>2</td><td colspan="3">Record-route setting
0: Disable
1: Enable</td><td>0: Disables the record-route function of the SIP server.
1: Enables the record-route function of the SIP server.</td></tr>
<tr><td rowspan="5">3-4</td><td colspan="3">re-INVITE transmission delay timer setting</td><td rowspan="5">This changes the interval for transmit re-INVITE after receiving the ACK message transmitted by T.38 device.</td></tr>
<tr><td>Bit 4</td><td>Bit 3</td><td></td></tr>
<tr><td>0</td><td>0</td><td>No delay</td></tr>
<tr><td>0</td><td>1</td><td>1 sec</td></tr>
<tr><td>1</td><td>0</td><td>2 sec</td></tr>
<tr><td></td><td>1</td><td>1</td><td>3 sec</td></tr>
<tr><td>5</td><td colspan="3">SIP-IPFAX: Adding vender information selection
0: Declare T38VendorInfo=RICOH
1: Not declare T38VendorInfo=RICOH</td><td></td></tr>
<tr><td>6-7</td><td colspan="3">Not used.</td><td>Do not change these settings.</td></tr>
</table>

IP Fax Switch 0A - Not used (do not change the settings)
IP Fax Switch 0B - Not used (do not change the settings)
IP Fax Switch 0C - Not used (do not change the settings)
IP Fax Switch 0D - Not used (do not change the settings)

IP Fax Switch 0E (SP No. 1-111-013)		
No.	**Function**	**Comments**
0-1	SIP: IP-FAX port mode (UDP) 00: 3 port mode 01: 2 port mode 10: 1 port mode	Switch the port mode for IP-FAX (T38 transport: UDP) at SIP call control.
2-3	SIP: IP-FAX port mode (TCP) 00: 3 port mode 01: 2 port mode 10: 1 port mode	Switch the port mode for IP-FAX (T38 transport: TCP) at SIP call control.
4-7	Not used.	Do not change these settings.

4.9 NCU PARAMETERS

The following tables give the RAM addresses and the parameter calculation units that the machine uses for ringing signal detection and automatic dialing. The factory settings for each country are also given. Most of these must be changed by RAM read/write (SP2-102), but some can be changed using NCU Parameter programming (SP2-103, 104 and 105); if SP2-103, 104 and 105 can be used, this will be indicated in the Remarks column. The RAM is programmed in hex code unless (BCD) is included in the Unit column.

Note

- The following addresses describe settings for the standard NCU.
- Change the fourth digit from "5" to "6" (e.g. 680500 to 680600) for the settings for the first optional G3 interface unit and from "5" to "7" (e.g. 680700) for the settings for the second optional G3 interface unit.

<table>
<tr><th>Address</th><th colspan="6">Function</th></tr>
<tr><td rowspan="14">680500</td><td colspan="6">Country/Area code for NCU parameters</td></tr>
<tr><td colspan="6">Use the Hex value to program the country/area code directly into this address, or use the decimal value to program it using SP2-103-001</td></tr>
<tr><td>Country /Area</td><td>Decimal</td><td>Hex</td><td>Country /Area</td><td>Decimal</td><td>Hex</td></tr>
<tr><td>France</td><td>00</td><td>00</td><td>Asia</td><td>18</td><td>12</td></tr>
<tr><td>Germany</td><td>01</td><td>01</td><td>Japan</td><td>19</td><td>13</td></tr>
<tr><td>UK</td><td>02</td><td>02</td><td>Hong Kong</td><td>20</td><td>14</td></tr>
<tr><td>Italy</td><td>03</td><td>03</td><td>South Africa</td><td>21</td><td>15</td></tr>
<tr><td>Austria</td><td>04</td><td>04</td><td>Australia</td><td>22</td><td>16</td></tr>
<tr><td>Belgium</td><td>05</td><td>05</td><td>New Zealand</td><td>26</td><td>17</td></tr>
<tr><td>Denmark</td><td>06</td><td>06</td><td>Singapore</td><td>24</td><td>18</td></tr>
<tr><td>Finland</td><td>07</td><td>07</td><td>Malaysia</td><td>25</td><td>19</td></tr>
<tr><td>Ireland</td><td>08</td><td>08</td><td>China</td><td>26</td><td>1A</td></tr>
<tr><td>Norway</td><td>09</td><td>09</td><td>Taiwan</td><td>27</td><td>1B</td></tr>
</table>

Address	Function					
	Sweden	10	0A	Korea	28	1C
	Switzerland	11	0B	Brazil	29	1D
	Portugal	12	0C	Turkey	32	20
	Holland	13	0D	Greece	33	21
	Spain	14	0E	Hungary	34	22
	Israel	15	0F	Czech	35	23
	USA	17	11	Poland	36	24

Address	Function	Unit	Remarks
680501	Line current detection time	20 ms	Line current detection is disabled. Line current is not detected if 680501 contains FF.
680502	Line current wait time		
680503	Line current drop detect time		
680504	PSTN dial tone frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680505	PSTN dial tone frequency upper limit (low byte)		
680506	PSTN dial tone frequency lower limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680507	PSTN dial tone frequency lower limit (low byte)		
680508	PSTN dial tone detection time	20 ms	If 680508 contains FF(H), the machine pauses for the pause time (address 68050D / 68050E). Italy: See Note 2.
680509	PSTN dial tone reset time (LOW)		
68050A	PSTN dial tone reset time (HIGH)		
68050B	PSTN dial tone continuous tone time		

Address	Function	Unit	Remarks
68050C	PSTN dial tone permissible drop time		
68050D	PSTN wait interval (LOW)		-
68050E	PSTN wait interval (HIGH)		
68050F	PSTN ring-back tone detection time	20 ms	Detection is disabled if this contains FF.
680510	PSTN ring-back tone off detection time	20 ms	-
680511	PSTN detection time for silent period after ring-back tone detected (LOW)	20 ms	-
680512	PSTN detection time for silent period after ring-back tone detected (HIGH)	20 ms	-
680513	PSTN busy tone frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680514	PSTN busy tone frequency upper limit (low byte)		
680515	PSTN busy tone frequency lower limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680516	PSTN busy tone frequency lower limit (low byte)		
680517	PABX dial tone frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680518	PABX dial tone frequency upper limit (low byte)		
680519	PABX dial tone frequency lower limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
68051A	PABX dial tone frequency lower limit (low byte)		

Address	Function	Unit	Remarks
68051B	PABX dial tone detection time	20 ms	If 68051B contains FF, the machine pauses for the pause time (680520 / 680521).
68051C	PABX dial tone reset time (LOW)		
68051D	PABX dial tone reset time (HIGH)		
68051E	PABX dial tone continuous tone time		
68051F	PABX dial tone permissible drop time		
680520	PABX wait interval (LOW)		-
680521	PABX wait interval (HIGH)		
680522	PABX ringback tone detection time	20 ms	If both addresses contain FF(H), tone detection is disabled.
680523	PABX ringback tone off detection time	20 ms	
680524	PABX detection time for silent period after ringback tone detected (LOW)	20 ms	If both addresses contain FF(H), tone detection is disabled.
680525	PABX detection time for silent period after ringback tone detected (HIGH)	20 ms	
680526	PABX busy tone frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680527	PABX busy tone frequency upper limit (low byte)		
680528	PABX busy tone frequency lower limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680529	PABX busy tone frequency lower limit (low byte)		
68052A	Busy tone ON time: range 1	20 ms	-
68052B	Busy tone OFF time: range 1		

Address	Function	Unit	Remarks
68052C	Busy tone ON time: range 2		
68052D	Busy tone OFF time: range 2		
68052E	Busy tone ON time: range 3		
68052F	Busy tone OFF time: range 3	20 ms	
680530	Busy tone ON time: range 4		
680531	Busy tone OFF time: range 4		
680532	Busy tone continuous tone detection time		
680533	Busy tone signal state time tolerance for all ranges, and number of cycles required for detection (a setting of 4 cycles means that ON-OFF-ON or OFF-ON-OFF must be detected twice). Tolerance (±) Bit 1: 0, Bit 0: 0 = 75% Bits 2 and 3 must always be kept at 0. Bit 1: 0, Bit 0: 0 = 50% Bits 2 and 3 must always be kept at 0. Bit 1: 0, Bit 0: 0 = 25% Bit 1: 0, Bit 0: 0 = 12.5% Bits 7, 6, 5, 4 - number of cycles required for cadence detection		
680534	International dial tone frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680535	International dial tone frequency upper limit (low byte)		
680536	International dial tone frequency lower limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680537	International dial tone frequency lower limit (low byte)		
680538	International dial tone detection time	20 ms	If 680538 contains FF, the machine pauses for the pause time (68053D / 68053E).
680539	International dial tone reset time (LOW)		

Address	Function	Unit	Remarks
68053A	International dial tone reset time (HIGH)		Belgium: See Note 2.
68053B	International dial tone continuous tone time		
68053C	International dial tone permissible drop time		
68053D	International dial wait interval (LOW)		-
68053E	International dial wait interval (HIGH)		
68053F	Country dial tone upper frequency limit (HIGH)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.
680540	Country dial tone upper frequency limit (LOW)		
680541	Country dial tone lower frequency limit (HIGH)		If both addresses contain FF(H), tone detection is disabled.
680542	Country dial tone lower frequency limit (LOW)		
680543	Country dial tone detection time	20 ms	If 680543 contains FF, the machine pauses for the pause time (680548 / 680549).
680544	Country dial tone reset time (LOW)		
680545	Country dial tone reset time (HIGH)		
680546	Country dial tone continuous tone time	-	-
680547	Country dial tone permissible drop time	20 ms	-
680548	Country dial wait interval (LOW)		
680549	Country dial wait interval (HIGH)		

Address	Function	Unit	Remarks
68054A	Time between opening or closing the DO relay and opening the OHDI relay	1 ms	See Notes 3, 6 and 8. SP2-103-012 (parameter 11).
68054B	Break time for pulse dialing	1 ms	See Note 3. SP2-103-013 (parameter 12).
68054C	Make time for pulse dialing	1 ms	See Note 3. SP2-103-014 (parameter 13).
68054D	Time between final OHDI relay closure and DO relay opening or closing	1 ms	See Notes 3, 6 and 8. SP2-103-015 (parameter 14). This parameter is only valid in Europe.
68054E	Minimum pause between dialed digits (pulse dial mode)	20 ms	See Note 3 and 8. SP2-103-016 (parameter 15).
68054F	Time waited when a pause is entered at the operation panel		SP2-103-017 (parameter 16). See Note 3.
680550	DTMF tone on time	1 ms	SP2-103-018 (parameter 17).
680551	DTMF tone off time		SP2-103-019 (parameter 18).
680552	Tone attenuation level of DTMF signals while dialing	-N x 0.5 –3.5 dBm	SP2-103-020 (parameter 19). See Note 5.

Address	Function	Unit	Remarks
680553	Tone attenuation value difference between high frequency tone and low frequency tone in DTMF signals	-dBm x 0.5	SP2-103-021 (parameter 20). The setting must be less than –5dBm, and should not exceed the setting at 680552h above. See Note 5.
680554	PSTN: DTMF tone attenuation level after dialling	-N x 0.5 –3.5 dBm	SP2-103-022 (parameter 21). See Note 5.
680555	ISDN: DTMF tone attenuation level after dialling	-dBm x 0.5	See Note 5
680556	Not used	-	Do not change the settings.
680557	Time between 68054Dh (NCU parameter 14) and 68054Eh (NCU parameter 15)	1 ms	This parameter takes effect when the country code is set to France.
680558	Not used	-	Do not change the setting.
680559	Grounding time (ground start mode)	20 ms	The Gs relay is closed for this interval.
68055A	Break time (flash start mode)	1 ms	The OHDI relay is open for this interval.
68055B	International dial access code (High)	BCD	For a code of 100: 68055B - F1 68055C - 00
68055C	International dial access code (Low)		

Address	Function	Unit	Remarks
68055D	PSTN access pause time	20 ms	This time is waited for each pause input after the PSTN access code. If this address contains FF[H], the pause time stored in address 68054F is used. Do not set a number more than 7 in the UK.
68055E	Progress tone detection level, and cadence detection enable flags	Bit 7: 0, Bit 6: 0, Bit 5: 0 = -25.0 dBm Bit 7: 0, Bit 6: 0, Bit 5: 1 = -35.0 dBm Bit 7: 0, Bit 6: 1, Bit 5: 0 = -30.0 dBm Bit 7: 1, Bit 6: 0, Bit 5: 0 = -40.0 dBm Bit 7: 1, Bit 6: 1, Bit 5: 0 = -49.0 dBm Bits 2, 0 - See Note 2.	
68055F To 680564	**Not used**	-	Do not change the settings.
680565	Long distance call prefix (HIGH)	BCD	For a code of 0: 680565 – FF 680566 - FF
680566	Long distance call prefix (LOW)	BCD	
680567 to 680571	**Not used**	-	Do not change the settings.
680572	Acceptable ringing signal frequency: range 1, upper limit	1000/ N (Hz).	SP2-103-003 (parameter 02).
680573	Acceptable ringing signal frequency: range 1, lower limit		SP2-103-004 (parameter 03).
680574	Acceptable ringing signal frequency: range 2, upper limit		SP2-103-005 (parameter 04).
680575	Acceptable ringing signal frequency: range 2, lower limit		SP2-103-006 (parameter 05).

Address	Function	Unit	Remarks
680576	Number of rings until a call is detected	1	SP2-103-007 (parameter 06). The setting must not be zero.
680577	Minimum required length of the first ring	20 ms	See Note 4. SP2-103-008 (parameter 07).
680578	Minimum required length of the second and subsequent rings	20 ms	SP2-103-009 (parameter 08).
680579	Ringing signal detection reset time (LOW)	20 ms	SP2-103-010 (parameter 09).
68057A	Ringing signal detection reset time (HIGH)		SP2-103-011 (parameter 10).
68057B to 680580	**Not used**	-	Do not change the settings.
680581	Interval between dialing the last digit and switching the Oh relay over to the external telephone when dialing from the operation panel in handset mode.	20 ms	Factory setting: 500 ms
680582	Bits 0 and 1 - Handset off-hook detection time Bit 1:0, Bit 0: 0 = 200 ms Bit 1:0, Bit 0: 1 = 800 ms Other Not used Bits 2 and 3 - Handset on-hook detection time Bit 3: 0, Bit 2: 0 = 200 ms Bit 3: 0, Bit 2: 1 = 800 ms Other Not used Bits 4 to 7 - **Not used**		-
680583 To 6805A0	**Not used**	-	Do not change the settings.

Address	Function	Unit	Remarks
6805A1	Acceptable CED detection frequency upper limit (high byte)	BCD (Hz)	If both addresses contain FF(H), tone detection is disabled.
6805A2	Acceptable CED detection frequency upper limit (low byte)		
6805A3	Acceptable CED detection frequency lower limit (high byte)	BCD (Hz)	If both addresses contain FF(H), tone detection is disabled.
6805A4	Acceptable CED detection frequency lower limit (low byte)		
6805A5	CED detection time	20 ms ± 20 ms	Factory setting: 200 ms
6805A6	Acceptable CNG detection frequency upper limit (high byte)	BCD (Hz)	If both addresses contain FF(H), tone detection is disabled.
6805A7	Acceptable CNG detection frequency upper limit (low byte)		
6805A8	Acceptable CNG detection frequency lower limit (high byte)	BCD (Hz)	If both addresses contain FF(H), tone detection is disabled.
6805A9	Acceptable CNG detection frequency lower limit (low byte)		
6805AA	**Not used**	-	Do not change the setting.
6805AB	CNG on time	20 ms	Factory setting: 500 ms
6805AC	CNG off time	20 ms	Factory setting: 3000 ms
6805AD	Number of CNG cycles required for detection	-	The data is coded in the same way as address 680533.
6805AE	**Not used**	-	Do not change the settings.
6805AF	Acceptable AI short protocol tone (800Hz) detection frequency upper limit (high byte)	Hz (BCD)	If both addresses contain FF(H), tone detection is disabled.

Address	Function	Unit	Remarks
6805B0	Acceptable AI short protocol tone (800Hz) detection frequency upper limit (low byte)		
6805B1	Acceptable AI short protocol tone (800Hz) detection frequency lower limit (high byte)	Hz(BCD)	If both addresses contain FF(H), tone detection is disabled.
6805B2	Acceptable AI short protocol tone (800Hz) detection frequency lower limit (low byte)		
6805B3	Detection time for 800 Hz AI short protocol tone	20 ms	Factory setting: 360 ms
6805B4	PSTN: Tx level from the modem	-N – 3 dBm	SP2-103-002 (parameter 01).
6805B5	PSTN: 1100 Hz tone transmission level	- N 6805B4 - 0.5N 6805B5 –3.5 (dB) See Note 7.	
6805B6	PSTN: 2100 Hz tone transmission level	- N6805B4 - 0.5N 6805B6 –3 (dB) See Note 7.	
6805B7	PABX: Tx level from the modem	- dBm	
6805B8	PABX: 1100 Hz tone transmission level	- N 6805B7 - 0.5N 6805B8 (dB)	
6805B9	PABX: 2100 Hz tone transmission level	- N 6805B7 - 0.5N 6805B9 (dB)	
6805BD	Modem turn-on level (incoming signal detection level)	-37-0.5N (dBm)	
6805BE to 6805C6	**Not used**	-	Do not change the settings.
6805C7	Bits 0 to 3 – **Not used** Bit 4 = V.34 protocol dump 0: Simple, 1: Detailed (default) Bits 5 to 7 – **Not used.**		

Address	Function	Unit	Remarks
6805C8 to 6805D9	**Not used**	-	Do not change the settings.
6805DA	T.30 T1 timer	1 s	
6805E0 bit 3	Maximum wait time for post message	0: 12 s 1: 30 s	1: Maximum wait time for post message (EOP/EOM/MPS) can be changed to 30 s. Change this bit to “1” if communication errors occur frequently during V.17 reception.
6805E3	Bits 0 and 1 – DCV (TIP/RING) Voltage Bit 1:0, Bit 0: 0 = 3.1 V Bit 1:0, Bit 0: 1 = 3.2 V Bit 1:1, Bit 0: 0 = 3.35 V Bit 1:1, Bit 0: 1 = 3.5 V Bits 2 and 3 – MINI (minimum loop electric current) Bit 2:0, Bit 3: 0 = 10 mA Bit 2:0, Bit 2: 1 = 12 mA Bit 2:1, Bit 3: 0 = 14 mA Bit 2:1, Bit 3: 1 = 16 mA Bits 6 and 7 – ACIM (AC impedance) Bit 7:0, Bit 6: 0 Bit 5:0, Bit 4: 0= 600 Bit 7:0, Bit 6: 0 Bit 5:1, Bit 4: 0= TBR21		

Address	Function	Unit	Remarks
6805E4	Bit 0 – OHS (on hook speed) 0: OHS=0 1: OHS=1 Bit 1 – SQ (spark quench) 0: SQ=00 1: SQ=11 Bit 2 – RZ (call signal Impedance) 0: RZ=0 (high) 1: RZ=1 (low) Bit 3 – RT (call signal detection level) 0: RT=0 (low) 1: RT=1 (high) Bit 4 – ILIM (DC limitation) 0: ILIM=0 (CTR 21) 1: ILIM=1 (other than CTR 21) Bit 5 –FILTER 0: FILTER=0 (around 5Hz) 1: FILTER=1 (around 200Hz) Bits 6 to 7 – Calibration in off hook state Bit 6:0, Bit 7: 0 = off hook to ACAL:128 ms, off hook to MCAL: 1000 ms Bit 6:1, Bit 7: 0 = off hook to ACAL:128 ms, off hook to MCAL: 500 ms Bit 6:0, Bit 7: 1 = off hook to ACAL:128 ms (no MCAL) Bit 6:1, Bit 7: 1 = off hook to ACAL:8 ms (no MCAL)		
6805E5	Bits 0 to 6 – **Not used** Bits 7 – Energy saving for DSP, COMBLK, SiDAA 0: Does not save energy 1: Saves energy		

NOTES

1. If a setting is not required, store FF in the address.
2. Italy and Belgium only

   RAM address 68055E: the lower four bits have the following meaning.

   Bit 2 - 1: International dial tone cadence detection enabled (Belgium)

   Bit 1 - Not used

   Bit 0 - 1: PSTN dial tone cadence detection enabled (Italy)

   If bit 0 or bit 2 is set to 1, the functions of the following RAM addresses are changed.

680508 (if bit 0 = 1) or 680538 (if bit 2 = 1): tolerance for on or off state
duration (%), and number of cycles required for detection, coded as in address 680533.
68050B (if bit 0 = 1) or 68053B (if bit 2 = 1): on time, hex code (unit = 20 ms)
68050C (if bit 0 = 1) or 68053C (if bit 2 = 1): off time, hex code (unit = 20 ms)

3. Pulse dial parameters (addresses 68054A to 68054F) are the values for 10 pps. If 20 pps is used, the machine automatically compensates.
4. The first ring may not be detected until 1 to 2.5 wavelengths after the time specified by this parameter.
5. The calculated level must be between 0 and 10.
   The attenuation levels calculated from RAM data are:
   High frequency tone:
   - $-0.5 \times N_{680552}/_{680554} - 3.5$ dBm
   - $-0.5 \times N_{680555}$ dBm

   Low frequency tone:
   - $-0.5 \times (N_{680552}/_{680554} + N_{680553}) - 3.5$ dBm
   - $-0.5 \times (N_{680555} + N_{680553})$ dBm

   Note
   - N_{680552}, for example, means the value stored in address 680552(H)
6. 68054A: Europe - Between Ds opening and Di opening, France - Between Ds closing and Di opening
   68054D: Europe - Between Ds closing and Di closing, France - Between Ds opening and Di closing
7. Tone signals which frequency is lower than 1500Hz (e.g., 800Hz tone for AI short protocol) refer to the setting at 6805B5h. Tones which frequency is higher than 1500Hz refer to the setting at 6805B6h.
8. 68054A, 68054D, 68054E: The actual inter-digit pause (pulse dial mode) is the sum of the period specified by the RAM addresses 68054A, 68054D, and 68054E.

4.10 DEDICATED TRANSMISSION PARAMETERS

There are two sets of transmission parameters: Fax and E-mail
Each Quick Dial Key and Speed Dial Code has eight bytes of programmable parameters allocated to it. If transmissions to a particular machine often experience problems, store that terminal's fax number as a Quick Dial or Speed Dial, and adjust the parameters allocated to that number.
The programming procedure will be explained first. Then, the eight bytes will be described.

4.10.1 PROGRAMMING PROCEDURE

1. Set the bit 0 of System Bit Switch 00 to 1.
2. Enter Address Book Management mode ([User Tools]> System Settings> Key Operator> Address Book Management).
3. Select the address book that you want to program.
4. For the fax parameter, select "Fax Dest.", for the E-mail parameter, select "E-mail", then press "Start". Make sure that the LED of the Start button lights green.
5. The settings for the switch 00 are now displayed. Press the bit number that you wish to change.
6. To scroll through the parameter switches, either:
7. Select the next switch: press "Next" or Select the previous switch: "Prev." until the correct switch is displayed. Then go back to step 6.
8. After the setting is changed, press "OK".
9. After finishing, reset bit 0 of System Bit Switch 00 to 0.

4.10.2 PARAMETERS

Fax Parameters

The initial settings of the following fax parameters are all FF(H) - all the parameters are disabled.

Switch 00
FUNCTION AND COMMENTS
ITU-T T1 time (for PSTN G3 mode) If the connection time to a particular terminal is longer than the NCU parameter setting, adjust this byte. The T1 time is the value stored in this byte (in hex code), multiplied by 1 second. **Range:** 0 to 120 s (00h to 78h) FFh - The local NCU parameter factory setting is used. Do not program a value between 79h and FEh.

Switch 01

No	FUNCTION						COMMENTS
0-4	Tx level						If communication with a particular remote terminal often contains errors, the signal level may be inappropriate. Adjust the Tx level for communications with that terminal until the results are better. If the setting is "Disabled", the NCU parameter 01 setting is used. Note ▪ Do not use settings other than listed on the left.
	Bit4	Bit3	Bit2	Bit1	Bit0		
	0	0	0	0	0	0	
	0	0	0	0	1	–1	
	0	0	0	1	0	–2	
	0	0	0	1	1	–3	
	0	0	1	0	0	–4	
	↓	↓	↓	↓	↓	↓	
	0	1	1	1	1	–15	
	1	1	1	1	1	Disabled	

5-7	Cable equalizer Bit 7: 0, Bit 6: 0, Bit 5: 0 = None Bit 7: 0, Bit 6: 0, Bit 5: 1 = Low Bit 7: 0, Bit 6: 1, Bit 5: 0 = Medium Bit 7: 0, Bit 6: 1, Bit 5: 1 = High Bit 7: 1, Bit 6: 1, Bit 5: 1 = Disabled	Use a higher setting if there is signal loss at higher frequencies because of the length of wire between the modem and the telephone exchange when calling the number stored in this Quick/Speed Dial. Also, try using the cable equalizer if one or more of the following symptoms occurs. Communication error with error codes such as 0-20, 0-23, etc. Modem rate fallback occurs frequently. Note ▪ Do not use settings other than listed on the left. If the setting is "Disabled", the bit switch setting is used.

Switch 02

No	FUNCTION					COMMENTS
0-3	Initial Tx modem rate					If training with a particular remote terminal always takes too long, the initial modem rate may be too high. Reduce the initial Tx modem rate using these bits. For the settings 14.4 or kbps slower, Switch 04 bit 4 must be changed to 0. Note ▪ Do not use settings other than listed on the left. If the setting is "Disabled", the bit switch setting is used.
	Bit3	Bit2	Bit1	Bit0	bps	
	0	0	0	0	Not used	
	0	0	0	1	2400	
	0	0	1	0	4800	
	0	0	1	1	7200	
	0	1	0	0	9600	
	0	1	0	1	12000	
	0	1	1	0	14400	
	0	1	1	1	16800	
	1	0	0	0	19200	

	1	0	0	1	21600	
	1	0	1	0	24000	
	1	0	1	1	26400	
	1	1	0	0	28800	
	1	1	0	1	31200	
	1	1	1	0	33600	
	1	1	1	1	Disabled	
	Other settings: **Not used**					
4-7	**Not used**					Do not change the settings.

Switch 03		
No	**FUNCTION**	**COMMENTS**
0-1	Inch-mm conversion before tx Bit 1: 0, Bit 0: 0 = Inch-mm conversion available Bit 1: 0, Bit 0: 1 = Inch only Bit 1: 1, Bit 0: 0 = Not used Bit 1: 1, Bit 0: 1 = Disabled	If "inch only" is selected on the machine uses inch-based resolutions for scanning, the printed copy may be slightly distorted at the other end if that machine uses mm-based resolutions. If the setting is "Inch-mm conversion available ", Inch-mm conversion become effective to the special senders. If the setting is "Disabled", the bit switch setting is used.
2-3	DIS/NSF detection method Bit 3: 0, Bit 2: 0 = First DIS or NSF Bit 3: 0, Bit 2: 1 = Second DIS or NSF Bit 3: 1, Bit 2: 0 = Not used Bit 3: 1, Bit 2: 1 = Disabled	(0, 1): Use this setting if echoes on the line are interfering with the set-up protocol at the start of transmission. The machine will then wait for the second DIS or NSF before sending DCS or NSS. If the setting is "Disabled", the bit switch setting is used.

4	V.8 protocol 0: Off 1: Disabled	If transmissions to a specific destination always end at a lower modem rate (14,400 bps or lower), disable V.8 protocol so as not to use V.34 protocol. 0: V.34 communication will not be possible. If the setting is "Disabled", the bit switch setting is used.
5	Compression modes available in transmit mode 0: MH only 1: Disabled	This bit determines the capabilities that are informed to the other terminal during transmission. If the setting is "Disabled", the bit switch setting is used.
6-7	ECM during transmission Bit 7: 0, Bit 6: 0 = Off Bit 7: 0, Bit 6: 1 = On Bit 7: 1, Bit 6: 0 = Not used Bit 7: 1, Bit 6: 1 = Disabled	For example, if ECM is switched on but is not wanted when sending to a particular terminal, use the (0, 0) setting. Note ▪ V.8/V.34 protocol and JBIG compression are automatically disabled if ECM is disabled. ▪ If the setting is "Disabled", the bit switch setting is used.

Switch 04 - Not used (do not change the settings)
Switch 05 - Not used (do not change the settings)
Switch 06 - Not used (do not change the settings)
Switch 07 - Not used (do not change the settings)
Switch 08 - Not used (do not change the settings)
Switch 09 - Not used (do not change the settings)

E-mail Parameters

The initial settings of the following e-mail parameters are all "0" (all parameters disabled).

Switch 00		
No	**FUNCTION**	**COMMENTS**
0	MH Compression mode for e-mail attachments **0**: Off 1: On	Switches MH compression on and off for files attached to e-mails for sending.
1	MR Compression mode for e-mail attachments **0**: Off 1: On	Switches MR compression on and off for files attached to e-mails for sending.
2	MMR Compression mode for e-mail attachments **0**: Off 1: On	Switches MMR compression on and off for files attached to e-mails for sending.
3-6	**Not used**	Do not change these settings.
7	Designates the bits to reference for compression method of e-mail attachments **0**: Registered (Bit 0 to 6) 1: No registration.	The "0" selection (default) references the settings for Bits 00, 01, 02 above. The "1" selection ignores the selections of Bits 00, 01, 02.

Switch 01		
No	**FUNCTION**	**COMMENTS**
0	Original width of e-mail attachment: A4 **0**: Off 1: On	Sets the original width of the e-mail attachment as A4.
1	Original width of e-mail attachment: B4 **0**: Off 1: On	Sets the original width of the e-mail attachment as B4.
2	Original width of e-mail attachment: A3 **0**: Off 1: On	Sets the original width of the e-mail attachment as A3.
3-6	**Not used**	Do not change these settings.
7	Designates the bits to reference for original size of e-mail attachments **0**: Registered (Bit 0 to 6) 1: No registration.	The "0" selection (default) references the settings for Bits 00, 01, 02 above. The "1" selection ignores the selections of Bits 00, 01, 02.

Switch 02		
No	**FUNCTION**	**COMMENTS**
0	Line resolution of e-mail attachment: 200 x 100 **0**: Off 1: On	Sets the line resolution of the e-mail attachment as 200 x100.
1	Line resolution of e-mail attachment: 200 x 200 **0**: Off 1: On	Sets the line resolution of the e-mail attachment as 200 x 200.

2	Line resolution of e-mail attachment: 200 x 400 **0**: Off 1: On	Sets the line resolution of the e-mail attachment as 200 x 400.
3	Not used	Do not change these settings.
4	Line resolution of e-mail attachment: 400 x 400 **0**: Off 1: On	Sets the line resolution of the e-mail attachment as 400 x 400.
5-6	**Not used**	Do not change these settings.
7	Designates the bits to reference for original size of e-mail attachments **0**: Registered (Bit 0 to 6) 1: No registration.	The "0" selection (default) references the settings for Bits 00, 01, 02, 04 above. The "1" selection ignores the selections of Bits 00, 01, 02, 04.

Switch 03 - Not used (do not change the settings)

Switch 04		
No	**FUNCTION**	**COMMENTS**
0	Full mode address selection 0: Full mode address 1: No full mode (simple mode)	If the other ends have the addresses, which have the full mode function flag ("0"), this machine determines them as full mode standard machines. ▪ This machine attaches the "demand of reception confirmation" to a message when transmitting. ▪ This machine updates the reception capability to the address book when receiving.
1-7	**Not used**	Do not change these settings.

Switch 05		
No	**FUNCTION**	**COMMENTS**
0	Directr transmission selection to SMTP server 0: ON 1: OFF	Allows or does not allow the direct transmission to SMTP server.
1-7	Not used	Do not change these settings.

Switch 06 - Not used (do not change the settings)
Switch 07 - Not used (do not change the settings)
Switch 08 - Not used (do not change the settings)
Switch 09 - Not used (do not change the settings)

4.11 SERVICE RAM ADDRESSES

⚠CAUTION

- Do not change the settings which are marked as “Not used” or “Read only.”

680001 to 680004(H) - ROM version (Read only)

680001(H) - Revision number (BCD)

680002(H) - Year (BCD)

680003(H) - Month (BCD)

680004(H) - Day (BCD)

680006 to 680015(H) - Machine’s serial number (16 digits - ASCII)

680016(H) - Language code

0: Japanese, 1: UK English, 2: US English, 3: French, 4: German, 5: Spanish, 6: Italian, 7: Dutch, 8: Swedish, 9: Norwegian, 10: Danish, 11: Finnish, 12: Czech, 13: Hungarian, 14: Polish, 15: Portuguese, 16: Russian, 17: Traditional Chinese, 18: Simplified Chinese, 19: Korean

680018(H) - Total program checksum (low)

680019(H) - Total program checksum (high)

680020 to 68003F(H) - System bit switches

680050 to 68005F(H) - Printer bit switches

680060 to 68007F(H) - Communication bit switches

680080 to 68008F(H) - G3 bit switches

680090 to 68009F(H) - G3-2 bit switches: Not used

6800A0 to 6800AF(H) - G3-3 bit switches: Not used

6800D0(H) - User parameter switch 00 (SWUER_00) : Not used

6800D1(H) - User parameter switch 01 (SWUSR_01) : Not used

6800D2(H) - User parameter switch 02 (SWUSR_02)

Bit 0: Forwarding mark printing on forwarded messages 0: Disabled, 1: Enabled

Bit 1: Center mark printing on received copies

(This switch is not printed on the user parameter list.)

0: Disabled, 1: Enabled

Bit 2: Reception time printing

(This switch is not printed on the user parameter list.)

0: Disabled, 1: Enabled

Bit 3: TSI print on received messages 0: Disabled, 1: Enabled

Bit 4: Checkered mark printing

(This switch is not printed on the user parameter list.)

0: Disabled, 1: Enabled

Bit 5: Not used

Bit 6: Not used

Bit 7: Not used

6800D3(H) - User parameter switch 03 (SWUSR_03: Automatic report printout)

Bit 0: Transmission result report (memory transmissions) 0: Off, 1: On

Bit 1: Not used

Bit 2: Memory storage report 0: Off, 1: On

Bit 3: Polling reserve report (polling reception) 0: Off, 1: On

Bit 4: Polling result report (polling reception) 0: Off, 1: On

Bit 5: Transmission result report (immediate transmissions) 0: Off, 1: On

Bit 6: Not used

Bit 7: Journal 0: Off, 1: On

6800D4(H) - User parameter switch 04 (SWUSR_04: Automatic report printout)

Bit 0: Not used

Bit 1: Automatic communication failure report and transfer result report output 0: Off, 1: On

Bits 2 to 3: Not used

Bit 4: Indicates the parties 0: Not indicated, 1: Indicated

Bit 5: Include sender's name on reports 0: Off, 1: On

Bit 6: Not used

Bit 7: Inclusion of a sample image on reports 0: Off, 1: On

6800D5(H) - User parameter switch 05 (SWUSR_05)

Bit 0: Substitute reception when the base copier is in an SC condition

0: Enabled, 1: Disabled

Bits 1 and 2: Condition for substitute rx when the machine cannot print messages (Paper end, toner end, jam, and during night mode)

Bit 2: 0, Bit 1: 0 = The machine receives all the fax messages.

Bit 2: 0, Bit 1: 1 = The machine receives the fax messages with RTI or CSI.

Bit 2: 1, Bit 1: 0 = The machine receives the fax messages with the same ID code.

Bit 2: 1, Bit 1: 1 = The machine does not receive anything.

Bit 3: Not used

Bit 4: Not used

Bit 5: Just size printing 0: Off, 1: On

Bit 6: Not used

Bit 7: Add paper display when a cassette is empty 0: Off, 1: On

6800D6(H) - User parameter switch 06 (SWUSR_06): Not used

6800D7(H) - User parameter switch 07 (SWUSR_07)

Bit 0 Ringing 0: Off, 1: On

Bit1: Automatic answering message 0: Off, 1: On

Bit 2: Parallel memory transmission 0: Off, 1: On

Bits 3 and 4: Not used

Bit 5: Remote control 0: Off, 1: On

Bits 6 and 7: Not used

6800D8(H) - User parameter switch 08 (SWUSR_08)

Bits 0 and 1: Not used.

Bit 2: Authorized reception

0: Only faxes from senders whose RTIs/CSIs are specified for this feature are accepted.

1: Only faxes from senders whose RTIs/CSIs are not specified for this feature are accepted.

Bits 3 to 7: Not used.

6800D9(H) - User parameter switch 09 (SWUSR_09): Not used

6800DA(H) - User parameter switch 10 (SWUSR_0A)

Bits 0 to 2: Not used

Bit 3: Page reduction 0: Off, 1: On

Bits 4 and 5: Not used

Bit 6: Use both e-mail notification and printed reports to confirm the transmission results 0: Off, 1: On

Bit 7: Not used

6800DB(H) - User parameter switch 11 (SWUSR_0B)

Bits 0 and 1: Not used

Bit 2: White original detection 0: Off, 1: On (alarm and alert message on the LCD)

Bit 3: Receive rejection for 1300 Hz transmission 0: Off (receive), 1: On (not receive)

Bit 5: Not used

Bit 6: Printout of messages received while acting as a forwarding station 0: Off, 1: On

Bit 7: Not used

6800DC(H) - User parameter switch 12 (SWUSR_0C): Not used

6800DD(H) - User parameter switch 13 (SWUSR_0D): Not used

6800DE(H) - User parameter switch 14 (SWUSR_0E)

Bit 0: Message printout while the machine is in Night Printing mode 0: On, 1: Off

Bit 1: Maximum document length detection 0: Double letter, 1: Longer than double-letter (well log) – up to 1,200 mm

Bit 2: Not used

Bit 3: Fax mode settings, such as resolution, before a mode key (Copy/Fax/Printer/Scanner) is pressed 0: Not cleared, 1: Cleared

Bits 4 to 6: Not used

Bit 7: Not used

6800DF(H) - User parameter switch 15 (SWUSR_0F)

(This switch is not printed on the user parameter list.)

Bits 0, 1 and 2: Cassette for fax printout

Bit 2: 0, Bit 1: 0, Bit 0: 1 = 1st paper feed station

Bit 2: 0, Bit 1: 1, Bit 0: 0 = 2nd paper feed station

Bit 2: 0, Bit 1: 1, Bit 0: 1 = 3rd paper feed station

Bit 2: 1, Bit 1: 0, Bit 0: 0 = 4th paper feed station

Bit 2: 1, Bit 1: 0, Bit 0: 1 = LCT

Other settings Not used

Bits 3 and 4: Not used

Bit 5: Using the cassette specified by bits 0, 1 and 2 above only 0: On, 1: Off

Bits 6 and 7: Not used

6800E0(H) – User parameter switch 16 (SWUSR_10)

(This switch is not printed on the user parameter list.)

Bits 0 and 1: Not used

Bit 2: Paper size selection priority for an A4 size fax message when A4/LT size paper is not available. 0: A3 has priority, 1: B4 has priority

Bits 3 to 7: Not used

6800E1(H) – User parameter switch 17 (SWUSR_11)

Bit 0: Not used

Bit 1: Not used

Bit 2: Inclusion of the “Add” button when a sequence of Quick/Speed dials is selected for broadcasting 0:Not needed, 1: Needed

Bits 3 to 6: Not used

Bit 7: Press “Start” key without an original when using the on hook dial or the external telephone, 0: displays “Cannot detect original size”. 1: Receives fax messages.

6800E2(H) - User parameter switch 18 (SWUSR_12)

Bit 0: TTI date 0: Off, 1: On

Bit 1: TTI sender 0: Off, 1: On

Bit 2: TTI file number 0: Off, 1: On

Bit 3: TTI page number 0: Off, 1: On

Bits 4 to 6: Not used

Bit 7: Japan only

6800E3(H) - User parameter switch 19 (SWUSR_13)

Bit 0: Not used

Bit 1: Journal format

0: The Journal is separated into transmissions and receptions

1: The Journal is separated into G3-1, G3-2, and G3-3 communications

Bit 2: Not used

Bit 3: 90° image rotation during B5 portrait Tx (This switch is not printed on the user parameter list.) 0: Off, 1: On

Bit 4: Reduction of sample images on reports to 50% in the main scan and sub-scan directions. (This switch is not printed on the user parameter list.) 0: Technician adjustment (printer switch 0E bits 3 and 4), 1: 50% reduction

Bit 5: Use of A5 size paper for reports (This switch is not printed on the user parameter list.) 0: Off, 1: On

Bits 6 and 7: Not used

6800E4(H) - User parameter switch 20 (SWUSR_14)

Bit 0: Automatic printing of the LAN fax result report 0: Off, 1: On

Bit 1: Not used.

Bits 2 to 5: Store documents in memory which could not be printed from PC fax (LAN fax) driver

Bit 5	Bit 4	Bit 3	Bit 2	Setting
0	0	0	0	0 min.
0	0	0	1	1 min.
↓	↓	↓	↓	↓
1	1	1	0	14 min.
1	1	1	1	15 min.

Bits 6 and 7: Not used.

6800E5(H) - User parameter switch 21 (SWUSR_15)

Bit 0: Print results of sending reception notice request message 0: Disabled (print only when error occurs), 1: Enabled

Bit 1: Respond to e-mail reception acknowledgment request 0: Disabled, 1: Enabled

Bit 2: Not used

Bit 3: File format for forwarded folders 0: TIFF, 1:PDF

Bit 4: Transmit Journal by E-mail 0: Disabled, 1: Enabled

Bit 5: Not used

Bit 6: Network error display 0: Displayed, 1: Not displayed

Bit 7: Transmit error mail notification 0: Enabled, 1: Disabled

6800E6(H) - User parameter switch 22 (SWUSR_16)

(This switch is not printed on the user parameter list.)

Bit 0: Dial tone detection (PSTN 1) 0: Disabled, 1: Enabled

Bits 1 to 7: Not used

6800E7(H) – User parameter switch 23 (SWUSR_17): Not used

6800E8(H) - User parameter switch 24 (SWUSR_18): Not used

6800E9(H) - User parameter switch 25 (SWUSR_19)

Bit 0: Not used

Bit 1: Reception mode switch timer 0: Off, 1: On (switching Fax or Fax/Tel)

Bit 2: Mode priority switch 0: Fax first, 1: Tel first

Bit 3: Dial in function (Japan Only)

Bit 4: RDS operation 0: Not acceptable, 1: Acceptable for the limit specified by system switch 03

Note

- This bit is only effective when RDS operation can be selected by the user (see system switch 02).

Bits 5 to 7: Not used

6800EA(H) and 6800EB(H) - User parameter switches 26 and 27 (SWUSR_1A and 1B): Not used

6800EC(H) - User parameter switch 28(SWUSR_1C): Not used

6800ED(H) - User parameter switch 29(SWUSR_1D): Not used

6800EE(H) and 6800EF(H) - User parameter switches 30 and 31 (SWUSR_1E and 1F): Not used

6800F0(H) - User parameter switch 32 (SWUSR_20)

Bit 0: Quotation priority for a destination when there is no destination of the specified type

0: Paper output priority = Priority order: 1. IP-fax destination, 2. Fax Number, 3. E-mail address, 4. Folder

1: Electric putout order = Priority order: 1. E-mail address, 2. Folder, 3. IP-fax destination, 4. Fax number

Bits 1 to 7: Not used

6800F1(H) - User parameter switch 33 (SWUSR_21): Not used

6800F2(H) - User parameter switch 34 (SWUSR_22)

Bit 0: Gatekeeper server used with IP-Fax 0: Disabled, 1: Enabled

Bit 1: SIP server used with IP-Fax 0: Disabled, 1: Enabled

Bits 2 to 7: Not used

6800F3(H) - User parameter switch 35 (SWUSR_23)

Redial interval when sending a backup file

6800F4(H) - User parameter switch 36 (SWUSR_24)

Maximum number of redials when sending a backup file

6800F5(H) - User parameter switch 37 (SWUSR_25)

Bit 0: Whether to stop sending a backup file if the destination folder becomes full while the machine is sending or waiting to send a fax or the backup file. 0: No, • 1: Yes

Bit 2 and 3: Backup file is printed along with the TX communication failure report when a backup file transmission failure occurs. 00: Do not print, 01: Print first page only, 10: Print whole file

Bit 4: Display the sender's information in the file name of documents that are forwarded to folder destinations. 0: Disabled, 1: Enabled

Bit 5: Limit the file names of documents that are forwarded to folder destinations to plain characters only. 0: Disabled, 1: Enabled

Bit 6: When using the remote fax function, the sub-machine beeps to let you know when it has printed a received document (If you specify "On", the machine will beep according to the setting of [Panel Key Sound] under [System Settings].) 0: On, 1: Off

Bit 7: Not used

6800F6(H) - User parameter switch 38 (SWUSR_26)

Maximum number of transmissions the machine attempts before determining that a fax cannot be forwarded from a sender (including special senders) to a folder destination

6800F7(H) - User parameter switch 39 (SWUSR_27)

Interval (in minutes) between resend attempts after failing to forward a fax from a sender (including special senders) to a folder destination

6800F8(H) - User parameter switch 40 (SWUSR_28)

Bit 0: When memory space is insufficient, the machine prints and then deletes the oldest faxes, creating memory space for storage of new faxes. 0: Disabled, 1: Enabled

Bit 1 to 7: Not used

6800FF(H) - User parameter switch 45 (SWUSR_2D)

Bit 0 and 1:

Bit 2: File format for files transmitted to e-mail addresses and folders registered as forwarding, destinations of backup file transmission, receivers for Personal Box, or end receivers for Transfer Box. 0: PDF 1: PDF/A

Bit 3:

Bit 4 to 7: Not used

680100 to 68010F(H) - G4 Parameter Switches – Not used

680110 to 68012F(H) - G4 Internal Switches – Not used

680130 to 68016F(H) - Service Switches

680170 to 68017F(H) - IFAX Switches

680180 to 68018F(H) - IP-FAX Switches

680190 to 6801A3(H) - PSTN-1 RTI (Max. 20 characters - ASCII) - See the following note.

6801A4 to 6801B7(H) - PSTN-2 RTI (Max. 20 characters - ASCII)

6801B8 to 6801CB(H) - PSTN-3 RTI (Max. 20 characters - ASCII)

6801CF to 68020E(H) - TTI 1 (Max. 64 characters - ASCII) - See the following note.

68020F to 68024E(H) - TTI 2

68024F to 68028E(H) - TTI 3

68028F to 6802CE(H) - TTI 4

6802CF to 68030E(H) - TTI 5

68030F to 68034E(H) - TTI 6

68034F to 68038E(H) - TTI 7

68038F to 6803CE(H) - TTI 8

6803CF to 68040E(H) - TTI 9

68040F to 68044E(H) - TTI 10

Note

- If the number of characters is less than the maximum (20 for RTI, 32 for TTI), add a stop code (00[H]) after the last character.

68044F(H)

Printing format for TTI 1

0: DOM (Japan), 1:EXP (Export)

680450(H)

Printing format for TTI 2

0: DOM, 1:EXP

680451(H)

Printing format for TTI 3

0: DOM, 1:EXP

680452(H)

Printing format for TTI 4

0: DOM, 1:EXP

680453(H)

Printing format for TTI 5

0: DOM, 1:EXP

680454(H)

Printing format for TTI 6

0: DOM, 1:EXP

680455(H)

Printing format for TTI 7

0: DOM, 1:EXP

680456(H)

Printing format for TTI 8

0: DOM, 1:EXP

680457(H)

Printing format for TTI 9

0: DOM, 1:EXP

680458(H)

Printing format for TTI 10

0: DOM, 1:EXP

680459 to 68046C(H) - PSTN-1 CSI (Max. 20 characters - ASCII)

68046D to 680480(H) - PSTN-2 CSI (Max.20 characters - ASCII)

680481 to 680494(H) - PSTN-3 CSI (Max.20 characters - ASCII)

680495(H) - Number of PSTN-1 CSI characters (Hex)

680496(H) - Number of PSTN-2 CSI characters (Hex)

680497(H) - Number of PSTN-3 CSI characters (Hex)

6804C6(H) - Memory Lock ID (BCD)

6804D2 to 6804D9(H) - Last power off time (Read only)

6804D2(H) - 01(H) - 24-hour clock, 00(H) - 12-hour clock (AM), 02(H) - 12-hour clock (PM)

6804D3(H) - Year (BCD)

6804D4(H) - Month (BCD)
6804D5(H) - Day (BCD)
6804D6 (H) – Hour
6804D7 (H) – Minute
6804D8(H) – Second
6804D8 (H) - 00: Monday, 01: Tuesday, 02: Wednesday, /// , 06: Sunday
6804E6(H) - Optional equipment (Read only – Do not change the settings)
Bit 0: Page Memory 0: Not installed, 1: Installed
Bit 1: SAF Memory (4M) 0: Not installed, 1: Installed
Bit 2: SAF Memory 0: Not installed, 1: Installed
Bits 3 to 7; Not used
6804E7(H) - Optional equipment (Read only – Do not change the settings)
Bits 0 to 3: Not used
Bit 4: G3-2 0: Not installed, 1: Installed
Bit 5: G3-3 0: Not installed, 1: Installed
Bit 6 and 7: Not used
6804EE(H) - Machine code (Check ram 3)
680500(H) - Start address of G3 table for G3-1
680600(H) - Start address of G3 table for G3-2
680700(H) - Start address of G3 table for G3-3
680820 to 68083F(H) - Service station's fax number (SP3-101)
680840 to 680849(H) - Own fax PABX extension number – Not used
68084A to 680853(H) - Own fax number (PSTN) – Not used
680854 to 680867(H) - Own fax number (ISDN G4) – Not used
680868 to 680873(H) - The first subscriber number (ISDN G3) – Not used
680874 to 68087F(H) - The second subscriber number (ISDN G3) – Not used
680880 to 68088B(H) - The first subscriber number (ISDN G4) – Not used
68088C to 680897(H) - The second subscriber number (ISDN G4) – Not used
6808C0 to 6808D7(H) - G4TID registered information (Max.24 characters - ASCII)
6808D8 to 6808EB(H) - ISDN CSI (Max.20 characters - ASCII)
6808EC(H) - Number of ISDN CSI characters (Hex)
6808F1 to 6808F4(H) - ISDN G3 subaddress registered information
6808F5 to 6808F8(H) - G4 subaddress registered information
6808FE to 680902 – Option G3 board (G3-2) ROM information (Read only)
6808FE(H) - Suffix (BCD)
6808FF(H) - Version (BCD)
680900(H) - Year (BCD)
680901(H) - Month (BCD)
680902(H) - Day (BCD)

680903 to 680907 – Option G3 board (G3-3) ROM information (Read only)

680903(H) - Suffix (BCD)

680904(H) - Version (BCD)

680905(H) - Year (BCD)

680906(H) - Month (BCD)

680907(H) - Day (BCD)

680908(H) - G3-1 Modem ROM version (Read only)

68090A(H) - G3-2 Modem ROM version (Read only)

68090C(H) - G3-3 Modem ROM version (Read only)

680918(H) - Number of multiple sets print (Read only)

68096E(H) - Time for economy transmission (hour in 24h clock format - BCD)

68096F(H) - Time for economy transmission (minute - BCD)

68098A(H) - Transmission monitor volume 00 - 07(H)

68098B(H) - Reception monitor volume 00 - 07(H)

68098C(H) - On-hook monitor volume 00 - 07(H)

68098D(H) - Dialing monitor volume 00 - 07(H)

68098E(H) - Buzzer volume 00 - 07(H)

68098F(H) - Beeper volume 00 - 07(H)

6809A0(H) - Machine code (Check ram 4)

6809CA(H) - Machine serial number (ASCII)

680D98 to 680D9B(H) - Transmission counter (Max.24 characters - ASCII)

680D9C to 680D9F(H) - Reception counter (Max.24 characters - ASCII)

680E08 to 680E0B(H) - Mail transmission counter (Max.24 characters - ASCII)

680E0C to 680E0F(H) - Mai reception counter (Max.24 characters - ASCII)

6A69EE(H) to 6A6CED(H) - SIP server address (Read only)

6A69EE(H) - Proxy server - Main (Max. 128 characters - ASCII)

6A6A6E(H) - Proxy server - Sub (Max. 128 characters - ASCII)

6A6AEE(H) - Redirect server - Main (Max. 128 characters - ASCII)

6A6B6E(H) - Redirect server - Sub (Max. 128 characters - ASCII)

6A6BEE(H) - Registrar server - Main (Max. 128 characters - ASCII)

6A6C6E(H) - Registrar server - Sub (Max. 128 characters - ASCII)

6A6CEE(H) - Gatekeeper server address - Main (Max. 128 characters - ASCII)

6A6D6E(H) - Gatekeeper server address - Sub (Max. 128 characters - ASCII)

6A6DEE(H) - Alias Number (Max. 128 characters - ASCII)

6A6E6E(H) - SIP user name (Max. 128 characters - ASCII)

6A6EEE(H) - **SIP digest authentication password** (Max. 128 characters - ASCII)

6A6F6E(H) - Gateway address information (Max. 7100 characters - ASCII)

6A8B2A(H) - NGN initial setting method 0: Simple, 1: Manual

6A8B2B(H) - SIP digest authentication user name (Max. 128 characters - ASCII)

6A8BAB(H) - NGN-SIP domain name (Max. 64 characters - ASCII)

6A8B2B(H) - NGN-home gateway address (Max. 128 characters - ASCII)

6A8C6C(H) - Stand-by port number for H.323 connection

6A8C6E(H) - Stand-by port number for SIP connection

6A8C70(H) - RAS port number

6A8C72(H) - Gatekeeper port number

6A8C74(H) - Port number of data waiting for T.38

6A8C76(H) - Port number of SIP server

6A8C78(H) - Priority for SIP and H.323 0: H.323, 1: SIP

6A8C79(H) - SIP function 0: Disabled, 1: Enabled

6A8C7A(H) - H.323 function 0: Disabled, 1: Enabled

6A8C7B(H) - **SIP digest authentication function** 0: Disabled, 1: Enabled

6B35A4(H) - 6B35C5 (H) - Dial tone detection parameter (Max. 11 x 3 lines)

This initializes following order. [0x04, 0x40, 0x03, 0x60, 0x64, 0xf4, 0x01,0x64, 0x04, 0xc8, 0x00]

6B35A4(H) – Dial tone detection frequency – Upper limit (High)

Defaults: NA: 06, EU: 06, ASIA: 06

6B35A5(H) – Dial tone detection frequency – Upper Limit (Low)

Defaults: NA: 50, EU: 50, ASIA: 50

6B35A6(H) – Dial tone detection frequency – Lower Limit (High)

Defaults: NA: 03, EU: 02, ASIA: 02

6B35A7(H) – Dial tone detection frequency – Lower Limit (Low)

Defaults: NA: 60, EU: 90, ASIA: 90

6B35A8(H) –Dial tone detection waiting time (20 ms)

Defaults: NA: 64, EU 64, ASIA: 64

6B35A9 to 6B35AA – Dial tone detection monitoring time (20 ms)

Defaults

Area	6B35A9	6B35AA
NA	F4	01
EU	F4	01
ASIA	F4	01

6B35AB(H) – Dial tone detect judge time (20 ms)

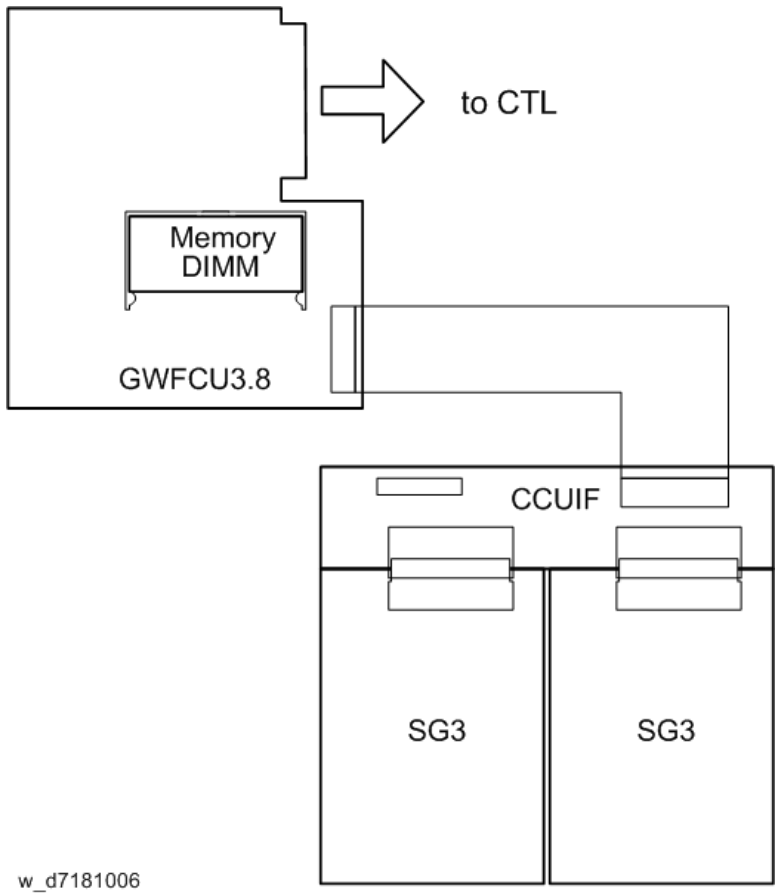
Defaults: NA: 64, EU: 1B, ASIA: 32

6B35AC(H) – Dial tone disconnect permission time (20 ms)

Defaults: NA: 11, EU: 0F, ASIA: 11

5. DETAILED SECTION DESCRIPTIONS

5.1 OVERVIEW



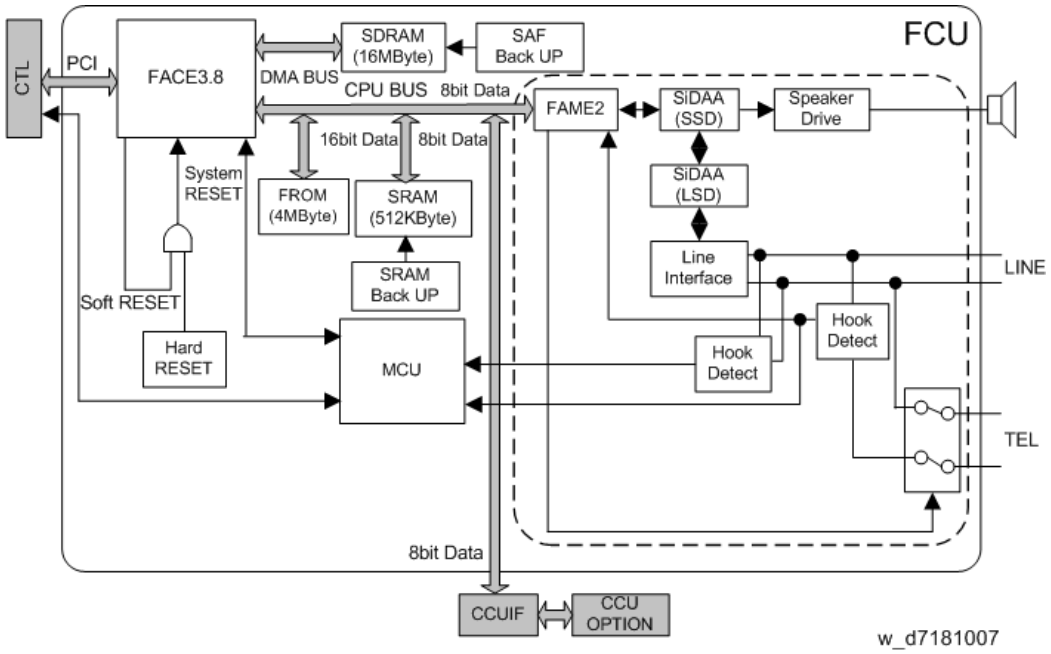
The FCU controls all the fax communications and fax features, in cooperation with the controller board. Also, the FCU contains the ROM, SRAM and NCU circuit.

Fax Options:

- Extra G3 Interface option: This provides one more analog line interface. This allows full dual access. Two extra G3 interface options can be installed.
- Memory Expansion: This expands the SAF memory and the page memory (used for image rotation); without this expansion, the page memory is not big enough for image rotation at 400 dpi, so transmission at 400 dpi is not possible.

5.2 BOARDS

5.2.1 FCU



The FCU (Facsimile Control Unit) controls fax communications, the video interface to the base copier's engine, and all the fax options.

FACE3.8 (Fax Application Control Engine)

- CPU
- Data compression and reconstruction (DCR)
- DMA control
- Clock generation
- DRAM backup control

Modem (FAME2)

- V.34, V33, V17, V.29, V.27ter, V.21, and V.8

DRAM

- The 16 MB of DRAM is shared as follows.
  - SAF memory: 4MB
  - Working memory: 4MB
  - Page memory: 8MB
  - The SAF memory is backed up by a rechargeable battery.

ROM

- 4MB flash ROMs for system software storage

SRAM

- The 512 KB SRAM for system and user parameter storage is backed up by a lithium battery.

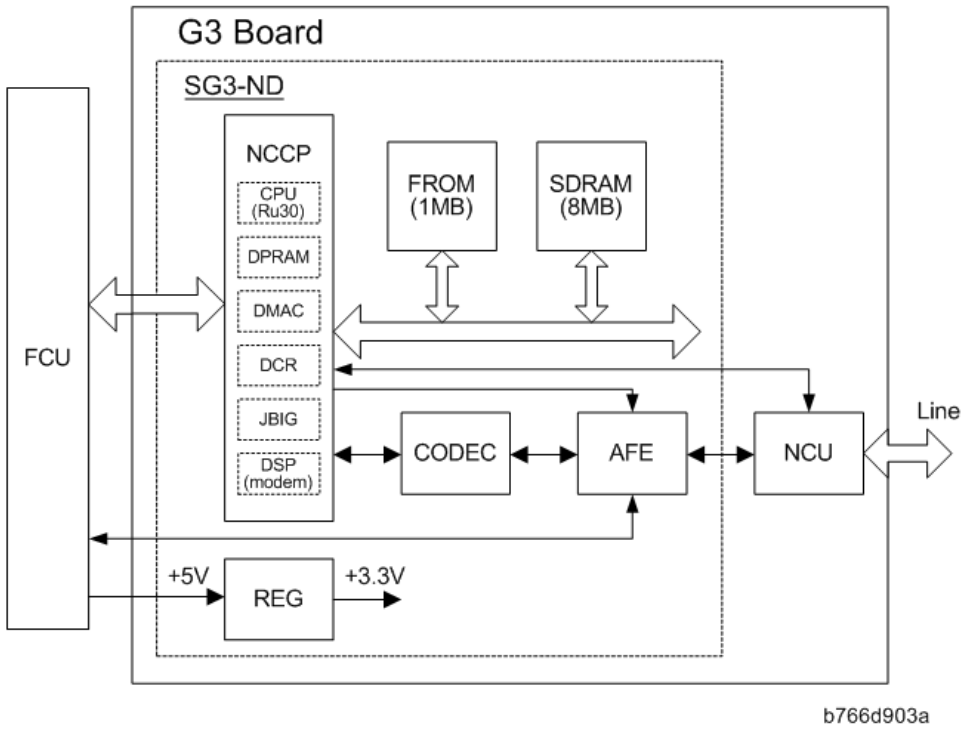
Memory Back-up

- A rechargeable battery backs up the SAF memory (DRAM) for 12 hours.
- A lithium battery backs up the system parameters and programmed items in the SRAM, in case the base copier's main switch is turned off.

Switches

Item	Description
SW1	Switches the SRAM backup battery on/off.

5.2.2 SG3 BOARD



The SG3 board allows up to three simultaneous communications when used in combination with the FCU and optional G3 boards. The NCU is on the same board as the common SG-3 board. This makes the total board structure smaller. But, the specifications of the SG3 board do not change.

NCCP (New Communication Control Processor)

- Controls the SG3 board.
- CPU (RU30)
- DPRAM (Dual Port RAM): Handshaking with the FCU is done through this block.
- DMA controller
- JBIG
- DSP V34 modem (RL5T892): Includes the DTMF Receiver function
- DCR for MH, MR, MMR, and JBIG compression and decompression

FROM

- 1Mbyte flash ROM for SG3 software storage and modem software storage

SDRAM

- 4Mbyte DRAM shared between ECM buffer, line buffer, and working memory

AFE (Analog Front End)

- Analog processing

CODEC (COder-DECoder)

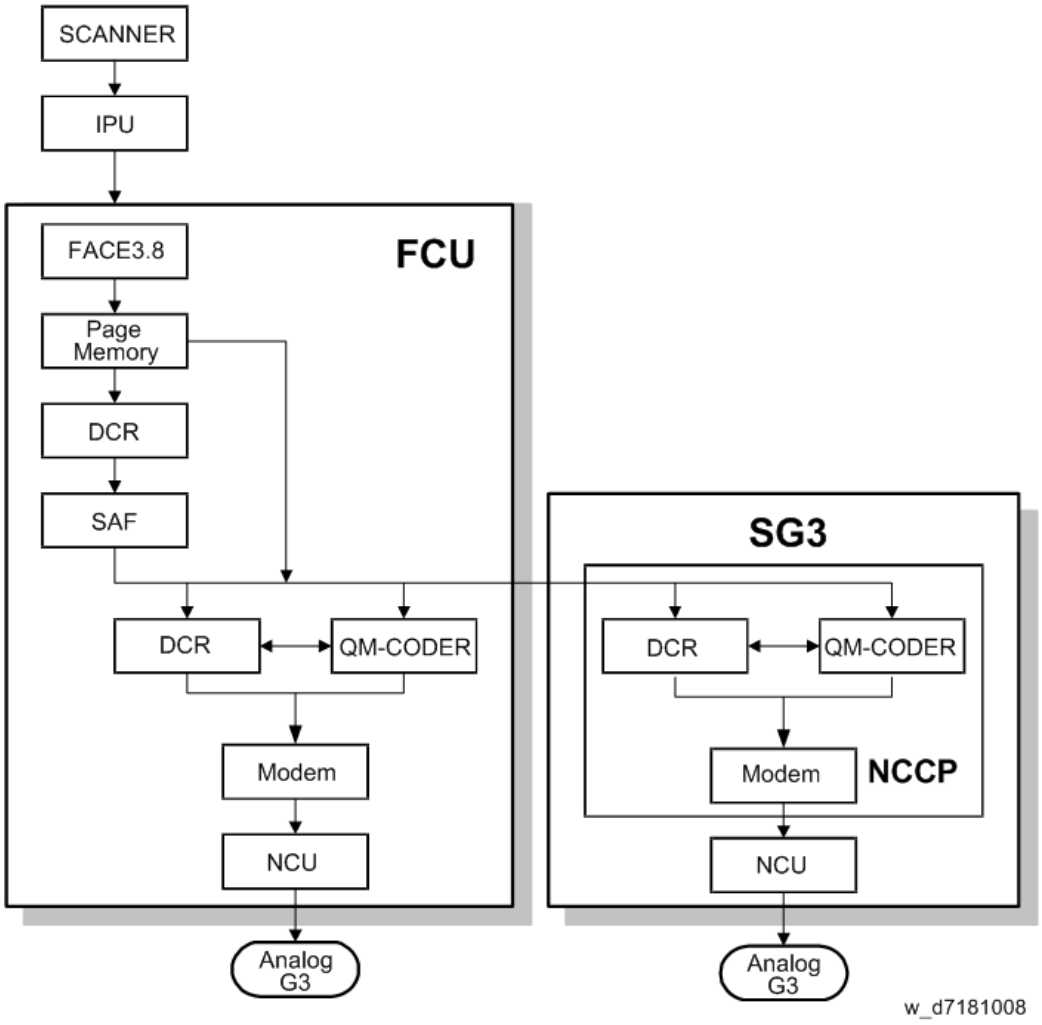
- A/D & D/A conversions for modem

REG

- Generates +3.3 V from the +5V from the FCU

5.3 VIDEO DATA PATH

5.3.1 TRANSMISSION



Memory Transmission and Parallel Memory Transmission

The base copier's scanner scans the original at the selected resolution in inch format. The IPU processes the data and transfers it to the FCU.

Note

- When scanning a fax original, the IPU uses the MTF, independent dot erase and thresholding parameter settings programmed in the fax unit's scanner bit switches, not the copier's SP modes.

Then, the FCU converts the data to mm format, and compresses the data in MMR or raw format to store it in the SAF memory. If image rotation will be done, the image is rotated in page memory before compression.

At the time of transmission, the FCU decompresses the stored data, then re-compresses and/or reduces the data if necessary for transmission. The NCU transmits the data to the line.

Immediate Transmission

The base copier's scanner scans the original at the resolution agreed with the receiving terminal. The IPU video processes the data and transfers it to the FCU.

Note

- When scanning a fax original, the IPU uses the MTF, independent dot erase and thresholding parameter settings programmed in the fax unit's scanner bit switches, not the copier's SP modes.

Then the FCU stores the data in page memory, and compresses the data for transmission. The NCU transmits the data to the line.

JBIG Transmission

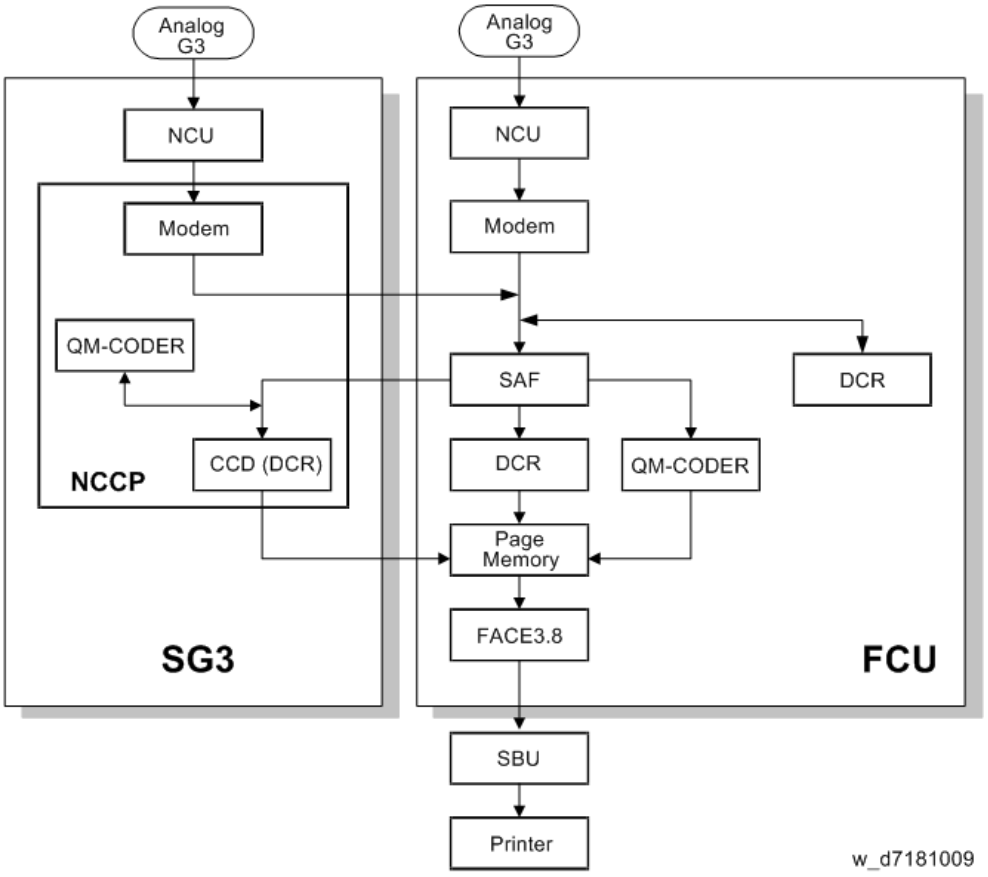
Memory transmission: If the receiver has JBIG compression, the data goes from the DCR to the QM-Coder. Then the NCU transmits the data to the line. When an optional G3 unit (SG3) is installed and PSTN2 is selected as the line type, JBIG compression is available, but only for the PSTN-2 line.

Immediate transmission: If the receiver has JBIG compression, the data goes from the page memory to the QM-Coder. Then the NCU transmits the data to the line. When an optional G3 unit (SG3) is installed and PSTN2 is selected as the line type, JBIG compression is available, but only for the PSTN-2 line.

Adjustments

- Priority for the line used for G3 transmissions (PSTN 1/PSTN 2 or 3): System switch 16 bit 1

5.3.2 RECEPTION



First, the FCU stores the incoming data from either an analog line to the SAF memory. (The data goes to the FACE3 at the same time, and is checked for error lines/frames.)
The FCU then decompresses the data and transfers it to page memory. If image rotation will be done, the image is rotated in the page memory. The data is transferred to the IPU.
If the optional G3 unit is installed, the line that the message comes in on depends on the telephone number dialled by the other party (the optional G3 unit has a different telephone number from the main fax board).

JBIG Reception

When data compressed with JBIG comes in on PSTN-1 (the standard analog line), the data is sent to the QM-CODER for decompression. Then the data is stored in the page memory, and transferred to the IPU.
When data compressed with JBIG comes in on PSTN-2 (optional extra analog line), the data is sent to the QM-CODER on the SG3 board for decompression.

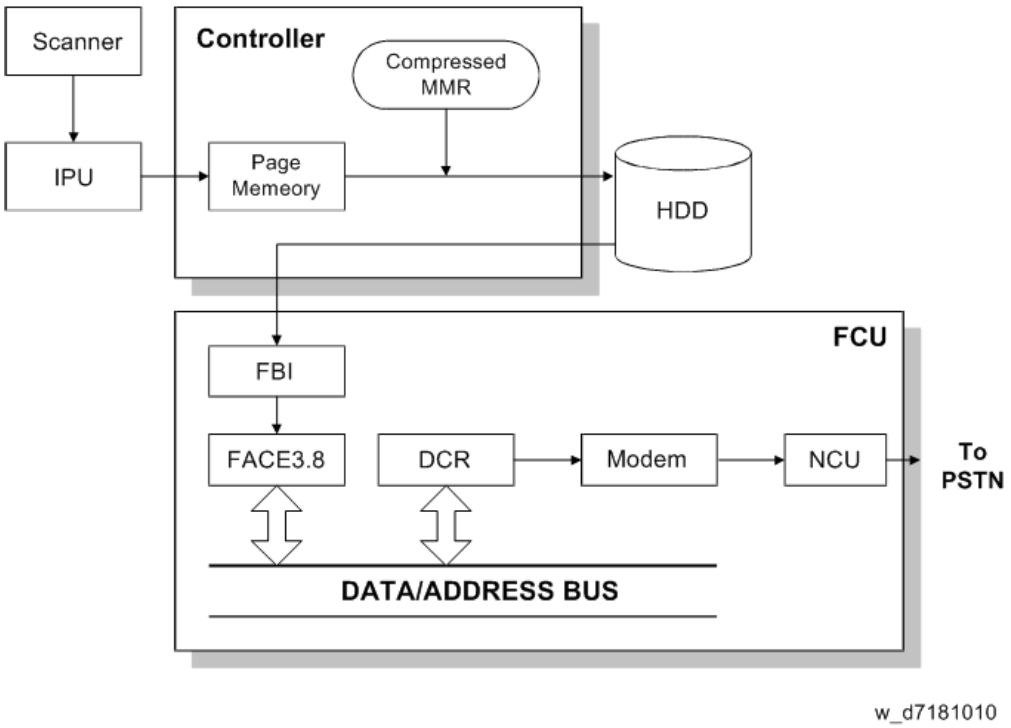
5.4 FAX COMMUNICATION FEATURES

5.4.1 MULTI-PORT

When the optional extra G3 Interface Unit is installed, communication can take place at the same time through the two or three lines at once.

Option	Available Line Type	Available protocol Combinations
Standard only	PSTN	G3
Extra G3 Interface Unit (single)	PSTN + PSTN	G3 + G3
Extra G3 Interface Unit (double)	PSTN + PSTN +PSTN	G3 + G3 +G3

5.4.2 DOCUMENT SERVER



The base copier's scanner scans the original at the selected resolution. The IPU video processes the data and transfers it to the controller board.

Then the controller stores the data in the page memory for the copier function, and compresses the data in MMR (by software) to store it in the HDD. If image rotation will be done, the image is rotated in the page memory before compression.

For transmission, the stored image data is transferred to the FCU. The FCU decompresses the image data, then recompresses and/or reduces the data if necessary for transmission. The NCU transmits the data to the line.

The documents can be stored in the HDD (Document Server) from the fax application. The stored documents in the document sever can be used for the fax transmission in many times. More than one document and the scanned document can be combined into one file and then the file can be transmitted.

- When using the document server, the SAF memory is not used.
- The document is compressed with MMR and stored.
- Up to 9,000 pages can be stored (1 file: Up to 1,000 pages) from the fax application.
- Only stored documents from the fax application can be transmitted.
- Scanned documents are given a name automatically, such as "FAX001". But it is possible to change the file name, user name and password.
- Up to 30 files can be selected at once.

Note

- The compression method of the fax application is different from the copy application. The storing time is longer than the copier storing.
- When selecting "Print 1st page", the stored document will be reduced to A4 size.

5.4.3 INTERNET MAIL COMMUNICATION

Mail Transmission

T.37 simple and full modes

This machine supports T.37 full mode. (ITU-T Recommendation, RFC2532). The difference between T.37 simple mode and full mode is as follows.

Function	T.37 Simple Mode	T.37 Full Mode
Resolution	200 x 100 200 x 200	200 x100 200 x 200 200 x 400 400 x 400 (if available)
RX Paper Width	A4	A4, B4, A3
RX Data Compression Method	MH	MH (default), MR, MMR,
Signals	Image data transmission only	Image data transmission, exchange of capability information between the two terminals, and acknowledgement of receipt of fax messages

Data Formats

The scanned data is converted into a TIFF-F formatted file.

The fields of the e-mail and their contents are as follows:

Field	Content
From	Mail address of the sender
Reply To	Destination requested for reply
To	Mail address of the destination
Bcc	Backup mail address
Subject	From CSI or RTI (Fax Message No. xxxx)
Content Type	Multipart/mixed Attached files: image/tiff
Content Transfer Encoding	Base 64, 7-bit, 8-bit, Quoted Printable
Message Body	MIME-converted TIFF-F (MIME standards specify how files are attached to e-mail messages)

Direct SMTP Transmission

Internet Fax documents can be sent directly to their destinations without going through the SMTP server. (Internet Faxes normally transmit via the SMTP server.)

For example:

e-mail address:	gts@ricoh.co.jp
SMTP server address:	gts.abcd.com

In this case, this feature destination e-mail address (gts@ricoh.co.jp) is read as the SMTP server address "gts.abcd.com", and the transmissions bypass the SMTP server.

Selectable Options

These options are available for selection:

- With the default settings, the scan resolution can be either standard or detail. Inch-mm conversion before TX depends on IFAX SW01 Bit 7. Detail resolution will be used if Super Fine resolution is selected, unless Fine resolution is enabled with IFAX SW01.
- The requirements for originals (document size, scan width, and memory capacity) are the same as for G3 fax memory TX.
- The default compression is TIFF-F format.
- IFAX SW00: Acceptable paper widths for sending
- IFAX SW09: Maximum number of attempts to the same destination

Secure Internet Transmission

SMTP Authentication:

- User Tools> System Settings> File Transfer> SMTP Authentication

POP Before SMTP:

- User Tools> System Settings> File Transfer> POP Before SMTP

Mail Reception

Three Types

This machine supports three types of e-mail reception:

- POP3 (Post Office Protocol Ver. 3.)
- IMAP4 (Internet Messaging Access Protocol)
- SMTP (Simple Mail Transfer Protocol)

Note

- For details: Core Technology Manual – Facsimile Processes – Faxing from a PC – Internet/LAN Fax Boards – Mail Reception

POP3/IMAP4 Mail Reception Procedure

The machine automatically picks up e-mail from the server at an interval which is adjustable in the range 2 to 1440 min. in 1-minute steps:

- User Tools> System Settings> File Transfer> E-mail Reception Interval

SMTP Reception

1. The IFAX must be registered as an SMTP server in the MX record of the DNS server, and the address of the received mail must specify the IFAX.
2. To enable SMTP reception: User Tools> System Settings> File Transfer> Reception Protocol
   - Even if the MX record on the DNS server includes the IFAX, mail cannot be received with SMTP until SMTP reception is enabled:
   - However, if SMTP reception is selected and the machine is not registered in the MX record of the DNS server, then either IMAP4 or POP3 is used, depending on the setting: User Tools> System Settings> File Transfer> Reception Protocol

Mail Delivery Conditions: Transferring Mail Received With SMTP

1. The machine must be set up for SMTP mail delivery:
   - User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings
2. If the user wishes to limit this feature so that the machine will only deliver mail from designated senders, the machine's "Auth. E-mail RX" feature must be set (User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings).
3. If the "SMTP RX File Delivery Setting" is set to “Off” to prohibit SMTP receiving, and if there is mail designated for delivery, then the machine responds with an error. (User Tools> Facsimile Features> Reception Settings> SMTP RX File Delivery Settings)
4. If the quick dial, speed dial, or group dial entry is incorrect, the mail transmission is lost, and the IFAX issues an error to the SMTP server and outputs an error report.

Auth. E-mail RX

In order to limit access to mail delivery with IFAX, the addresses of senders must be limited using the Access Limit Entry. Only one entry can be registered.

1. Access Limit Entry

For example, to limit access to @IFAX.ricoh.co.jp:

gts@IFAX.ricoh.co.jp	Matches and is delivered.
gts@IFAX.abcde.co.jp	Does not match and is not delivered.
IFAX@ricoh.co.jp	Does not match and is not delivered.

1. Conditions
   - The length of the Access Limit Entry is limited to 127 characters.
   - If the Access Limit Entry address and the mail address of the incoming mail do not match, the incoming mail is discarded and not delivered, and the SMTP server responds with an error. However, in this case an error report is not output.
   - If the Access Limit Entry address is not registered, and if the incoming mail specifies a delivery destination, then the mail is delivered unconditionally.

Handling Mail Reception Errors

Abnormal files

When an error of this type occurs, the machine stops receiving and commands the server to erase the message. Then the machine prints an error report and sends information about the error by e-mail to the sender address (specified in the "From" or "Reply-to" field of the message). If there is an incomplete received message in the machine memory, it will be erased.

The machine prints an error message when it fails to send the receive error notification after a certain number of attempts.

The following types of files are judged to be abnormal if one or more of the following are detected:

1. Unsupported MIME headers.
   Supported types of MIME header

Header	Supported Types
Content-Type	Multipart/mixed, text/plain, message/rfc822 Image/tiff
Charset	US-ASCII, ISO 8859 X. Other types cannot be handled, and some garbage may appear in the data.
Content-Transfer-Encoding	Base 64, 7-bit, 8-bit, Quoted Printable

2. MIME decoding errors
3. File format not recognized as TIFF-F format
4. Resolution, document size, or compression type cannot be accepted

Remaining SAF capacity error

The machine calls the server but does not receive e-mail if the remaining SAF capacity is less than a certain value (the value depends on IFAX Switch 08. The e-mail will be received when the SAF capacity increases (for example, after substitute reception files have been printed). The error handling method for this type of error is the same as for "Abnormal files".

If the capacity of the SAF memory drops to zero during reception, the machine operates in the same way as when receiving an abnormal file (refer to "Abnormal files" above).

Secure Internet Reception

To enable password encryption and higher level security: User Tools> System Settings> File Transfer> POP3/IMAP4 Settings> Encryption (set to "On")

Transfer Request: Request By Mail

For details: Core Technology Manual – Facsimile Processes – Faxing from a PC – Internet/LAN Fax Boards – Transfer Request

The fields of the e-mail and their contents are as follows:

Field	Content
From	E-mail address of the requesting terminal
To	Destination address (Transfer Station address)
Bcc	Backup mail address
Subject	From TSI (Fax Message No. xxxx)
Content-Type	Multipart/mixed Text/Plain (for a text part), image/tiff (for attached files)
Content-Transfer-Encoding	Base 64, 7-Bit, 8-bit, Quoted Printable
Mail body (text part)	RELAY-ID-: xxxx (xxxx: 4 digits for an ID code) RELAY: #01#*X#**01….
Message body	MIME-converted TIFF-F.

E-Mail Options (Sub TX Mode)

The following features are available as options for mail sending: entering a subject, designating the level of importance, confirming reception of the mail.

Subject and Level of Importance

You can enter a subject message with: TX Mode> Subject

The Subject entry for the mail being sent is limited to 128 characters. The subject can also be prefixed with an "Confidential", "Urgent", "Please phone" or "Copy to corres. Section" notation.

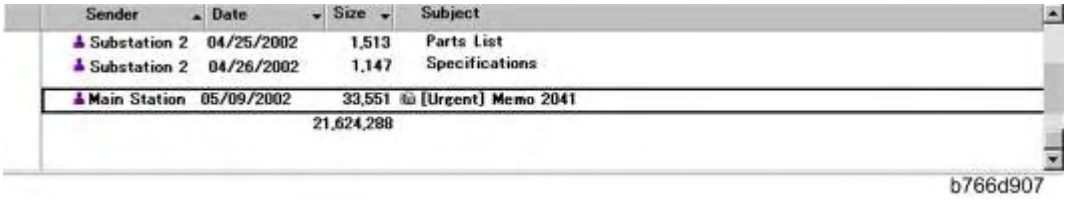
- How the Subject Differs According to Mail Type -

<table>
<tr><th>Mail Type</th><th>Item 1</th><th colspan="2">Item 2</th><th>Item 3</th></tr>
<tr><td>Subject Entry</td><td>---</td><td colspan="2">Entry Condition</td><td rowspan="5">Fax Message No.
+
File No.</td></tr>
<tr><td rowspan="4">No Subject Entry</td><td rowspan="4"></td><td colspan="2">1. "CSI" ("RTI")</td></tr>
<tr><td>2. "RTI"</td><td>CSI not registered</td></tr>
<tr><td>3. "CSI"</td><td>RTI not registered</td></tr>
<tr><td>4. None</td><td>CSI, RTI not registered</td></tr>
<tr><td rowspan="4">Confirmation of Reception</td><td rowspan="4">From</td><td colspan="2">1. "CSI" ("RTI")</td><td rowspan="2">Normal:
Return Receipt (dispatched).
You can select "displayed" with IFAX SW02 Bits 2 and 3.</td></tr>
<tr><td>2. "RTI"</td><td>CSI not registered</td></tr>
<tr><td>3. "CSI"</td><td>RTI not registered</td><td rowspan="2">Error:
Return Receipt (processed/error)</td></tr>
<tr><td>4. None</td><td>CSI, RTI not registered</td></tr>
<tr><td rowspan="2">Mail delivery, memory transfer, SMTP receiving and delivery</td><td rowspan="2">From</td><td>RTI or CSI of the station designated for delivery</td><td>Mail delivery</td><td rowspan="2">Fax Message No. +
File Number</td></tr>
<tr><td>RTI or CSI of sender</td><td>Mail sending from G3 memory</td></tr>
</table>

Mail Type	Item 1	Item 2		Item 3
		Mail address of sender	Memory sending	
		Mail address of sender	SMTP receiving and delivery (Off Ramp Gateway)	
Mail error notification	---	Error Message No. xxxx From CSI (RTI)		

Items 1, 2, and 3 in the table above are in the Subject.

- Subjects Displayed on the PC -



E-mail Messages

After entering the subject, you can enter a message with: TX Mode> Text

An e-mail message (up to 5 lines) can be pre-registered with: User Tools> System Settings> File Transfer> Program/Change/Delete E-mail Message

- Limitations on Entries -

Item	Maximum
Number of Lines	5 lines
Line Length	80 characters
Name Length	20 characters

Message Disposition Notification (MDN)

For details: Core Technology Manual – Facsimile Processes – Faxing from a PC – Internet/LAN Fax Boards – E-mail Options

The network system administrator can confirm whether a sent mail has been received correctly or not. This confirmation is done in four steps.

1. Send request for confirmation of mail reception. To enable or disable this request (known as MDN): TX Mode> Reception Notice
2. Mail reception (receive confirmation request)
3. Send confirmation of mail reception
4. Receive confirmation of mail reception

The other party's machine will not respond to the request unless the two conditions below are met:

- The other party's machine must be set up to respond to the confirmation request.
- The other party's machine must support MDN (Message Disposition Notification).

- Setting up the Receiving Party -

The receiving party will respond to the confirmation request if:

1. The "Disposition Notification To" field is in the received mail header (automatically inserted in the 4th line in the upper table on the previous page, if MDN is enabled), and
2. Sending the disposition notification must be enabled (User Parameter Setting SW21 (15 [H]) Bit 1 for this model). The content of the response is as follows:

Normal reception:	"Return Receipt (dispatched)" in the Subject line
IFAX SW02 (Bit 2, 3)	"Return Receipt (displayed)" in the Subject line
Error:	"Return Receipt (processed/error)" in the Subject line

Handling Reports

- Sending a Request for a Return Receipt by Mail -

After the mail sender transmits a request for a return receipt, the mail sender's journal is annotated with two hyphens (--) in the Result column and a "Q" in the Mode column.

- Mail Receipt (Request for Receipt Confirmation) and Sending Mail Receipt Response -

After the mail receiver sends a response to the request for a return receipt, the mail receiver's journal is annotated with two hyphens (--) in the Result column and an "A" in the Mode column.

- Receiving the Return Receipt Mail -

- After the mail sender receives a return receipt, the information in the mail sender's journal about the receipt request is replaced, i.e. the journal is annotated with "OK" in the Result column.
- When the return receipt reports an error, the journal is annotated with an "E" in the Result column.
- The arrival of the return receipt is not recorded in the journal as a separate communication. Its

arrival is only reported by the presence of "OK" or "E" in the Result column.

- If the mail address used by the sender specifies a mailing list (i.e., a Group destination; the machine sends the mail to more than one location. See "How to set up Mail Delivery"), the Result column of the Journal is updated every time a return receipt is received. For example, if the mailing list was to 5 destinations, the Result column indicates the result of the communication with the 5th destination only. The results of the communications to the first 4 destinations are not shown.

  Exceptions:

  If one of the communications had an error, the Result column will indicate E, even if subsequent communications were OK.

  If two of the communications had an error, the Journal will indicate the destination for the first error only.

- Report Sample -

DATE	TIME	ADDRESS	MODE	TIME	PAGE	RESULT
MAY. 5	10:15	fuser_01@domlg. ricoh. co.	Mail SM	0'09"	2	--
	10:16	fuser_01@domlg. ricoh. co.	Mail SMQ	0'05"	1	--
	10:17	s_tadashi@domlg. ricoh. co.	Mail SMQ	0'09"	2	OK
	10:19	m_masataka@domlg. ricoh. co.	Mail SMA	0'05"	1	--

b771d506

5.5 IP-FAX

5.5.1 WHAT IS IP-FAX?

For details: Core Technology Manual – Facsimile Processes – Faxing from a PC – Internet/LAN Fax Boards – IP-FAX

5.5.2 T.38 PACKET FORMAT

TCP is selected by default for this machine, but you can change this to UDP with IPFAX SW 00 Bit 1.

UDP Related Switches

<table>
<tr><th colspan="7">IP-Fax Switch 01</th></tr>
<tr><th>No.</th><th colspan="5">Function</th><th>Comments</th></tr>
<tr><td rowspan="6">0-3</td><td colspan="5">Select IP FAX Delay Level</td><td rowspan="6">Raise the level by selecting a higher setting if too many transmission errors are occurring on the network.
If TCP/UDP is enabled on the network, raise this setting on the T.30 machine. Increasing the delay time allows the recovery of more lost packets.
If only UDP is enabled, increase the number of redundant packets.
Level 1~2: 3 Redundant packets
Level 3: 4 Redundant packets</td></tr>
<tr><td>Bit 3</td><td>Bit 2</td><td>Bit 1</td><td>Bit 0</td><td>Level</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr>
<tr><td>0</td><td>0</td><td>0</td><td>1</td><td>1</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>0</td><td>2</td></tr>
<tr><td>0</td><td>0</td><td>1</td><td>1</td><td>3</td></tr>
</table>

5.5.3 SETTINGS

User parameter switch 34 (22[H]), bit 0

IP-Fax Gate Keeper usage, 0: No, 1: Yes

IP Fax Switches: Various IP-FAX settings (see the bit switch table)

6. SPECIFICATIONS

6.1 GENERAL SPECIFICATIONS

6.1.1 FCU

Type:	Desktop type transceiver
Circuit:	PSTN (max. 3ch.) PABX
Connection:	Direct couple
Original Size:	Book (Face down) Maximum Length: 432 mm [17 ins] Maximum Width: 297 mm [11.7 ins] ARDF (Face up) (Single-sided document) Length: 128 - 1200 mm [5.0 - 47.2 ins] Width: 105 - 297 mm [4.1 - 11.7 inch] (Double-sided document) Length: 128 - 432 mm [5.0 - 17 inch] Width: 105 - 297 mm [4.1 - 11.7 inch]
Scanning Method:	Flat bed, with CCD
Resolution:	8 x 3.85 lines/mm (Standard) 8 x 7.7 lines/mm (Detail) 8 x 15.4 line/mm (Fine) See Note1 16 x15.4 line/mm (Super Fine) See Note 1 200 x 100 dpi (Standard) 200 x 200 dpi (Detail) 400 x 400 dpi (Super Fine) See Note 1 Note ▪ Optional Expansion Memory required
Transmission Time:	G3: 3 s at 28800 bps; Measured with G3 ECM using memory for an ITU-T #1 test document (Slerexe letter) at standard resolution

Data Compression:	MH, MR, MMR, JBIG
Protocol:	Group 3 with ECM
Modulation:	V.34, V.33, V.17 (TCM), V.29 (QAM), V.27ter (PHM), V.8, V.21 (FSK)
Data Rate:	G3: 33600/31200/28800/26400/24000/21600/ 19200/16800/14400/12000/9600/7200/4800/2400 bps Automatic fallback
I/O Rate:	With ECM: 0 ms/line Without ECM: 2.5, 5, 10, 20, or 40 ms/line
Memory Capacity:	SAF Standard: 4 MB With optional Expansion Memory: 28 MB (4 MB+ 24 MB) Page Memory Standard: 8 MB (Print: 4 MB + Scanner: 4 MB) With optional Expansion Memory: 16 MB (8 MB + 8 MB) (Print 8 MB + Scanner: 8 MB)

6.2 CAPABILITIES OF PROGRAMMABLE ITEMS

The following table shows the capabilities of each programmable items.

Item	Standard
Quick Dial	2000
Groups	100
Destination per Group	500
Destinations dialed from the ten-key pad overall	500
Programs	100
Communication records for Journal stored in the memory	200
Special Senders	250

The following table shows how the capabilities of the document memory will change after the Expansion Memory are installed.

	Without the Expansion Memory	With the Expansion Memory
Memory Transmission file	800	800
Maximum number of page for memory transmission	1000	1000
Memory capacity for memory transmission (Note1)	320	2240

Note

- Measured using an ITU-T #1 test document (Slerexe letter) at the standard resolution, the auto image density mode and the Text mode.

6.3 IFAX SPECIFICATIONS

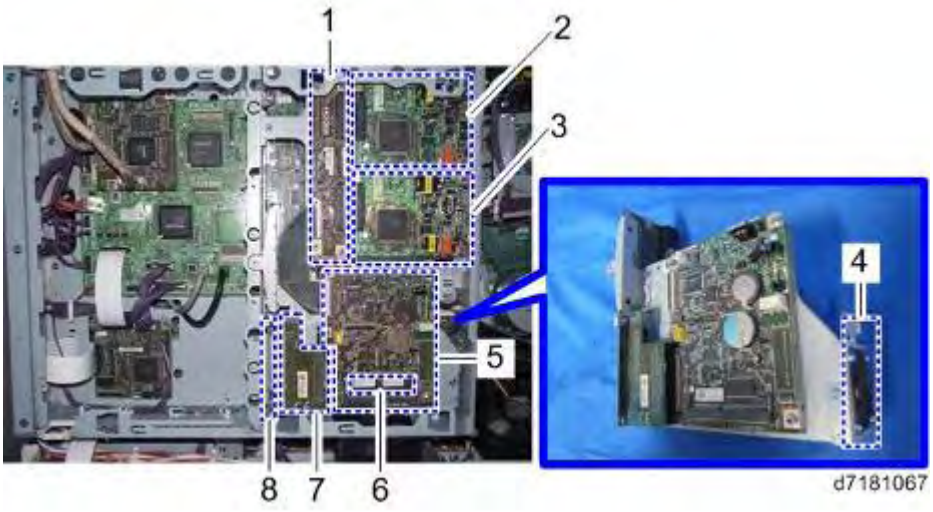
Connectivity:	Ethernet interface (1000BASE-T/100 BASE-TX/10 BASE-T) IEEE 802.11a/b/g/n wireless LAN interface
Resolution:	200 × 100 dpi (Standard resolution), 200 × 200 dpi (Detail resolution), 200 × 400 dpi (Fine resolution)*1, 400 × 400 dpi (Super Fine resolution)*1 Note ▪ To use 200 × 400 dpi and 400 × 400 dpi, IFAX SW01 Bit 2 and/or Bit 4 must be set to “1”.
Transmission Time:	1 s (through a LAN to the server) Condition: ITU-T #1 test document (Selerexe Letter) MTF correction: OFF TTI: None Resolution: 200 x 100 dpi Communication speed: 10 Mbps Correspondent device: E-mail server Line conditions: No terminal access
Document Size:	Maximum Original Size: A3/DLT. Note ▪ To use B4 and A3 width, IFAX SW00 Bit 1 (B4) and/or Bit 2 (A3) must be set to “1”.
E-mail File Format:	Single/multi-part MIME conversion Image: TIFF-F (MH, MR, MMR)
Protocol:	**Transmission:** SMTP, TCP/IP **Reception:** POP3, SMTP, IMAP4, TCP/IP
Data Rate:	1000 Mbps (1000 Base-T) 100 Mbps (100base-Tx) 10 Mbps (10base-T)

Authentication Method:	SMTP-AUTH POP before SMTP A-POP
Remark:	The machine must be set up as an e-mail client before installation. Any client PCs connected to the machine through a LAN must also be e-mail clients, or some features will not work (e.g. Autorouting).

6.4 IP-FAX SPECIFICATIONS

Network:	Ethernet interface (1000BASE-T/100 BASE-TX/10 BASE-T) IEEE 802.11a/b/g/n wireless LAN interface
Scan line density:	8 x 3.85 lines/mm, 200x100dpi (standard character), 8 x 7.7lines/mm, 200x200dpi (detail character), 8 x 15.4lines/mm (fine character: optional expansion memory required), 16 x 15.4lines/mm, 400x400dpi (super fine character: optional expansion memory required)
Maximum Original size:	A3 or 11" x 17" (DLT) Custom: 297mm x 1200mm (11.7” x 47.3”)
Maximum scanning size:	297mm x 1200mm (11.7” x 47.3”)
Transmission protocol:	Recommended: T.38 Annex protocol, TCP, UDP/IP communication, SIP (RFC 3261 compliant), H.323 v2
Compatible machines:	IP-Fax compatible machines
IP-Fax transmission function:	Specify IP address and send faxes to an IP-Fax compatible fax through a network. Also capable of sending faxes from a G3 fax connected to a telephone line via a VoIP gateway.
IP-Fax reception function:	Receive faxes sent from an IP-Fax compatible fax through a network. Also capable of receiving faxes from a G3 fax connected to a telephone line via a VoIP gateway.

6.5 FAX UNIT CONFIGURATION



Component	Code	No.	Remarks
FCU	D718	5	Included with the fax unit
FCU I/F		7	
GWFCU I/F		8	
Speaker		4	
Expansion Memory	G578	6	Optional
CCU I/F Board	D718	1	Included with the optional G3 unit
SG3 Board		2	Optional
SG3 Board (2nd)	D718	3	Optional

D615

MULTI-FOLDING UNIT FD4000

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

MULTI-FOLDING UNIT FD4000 (D615)

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READ THIS FIRST

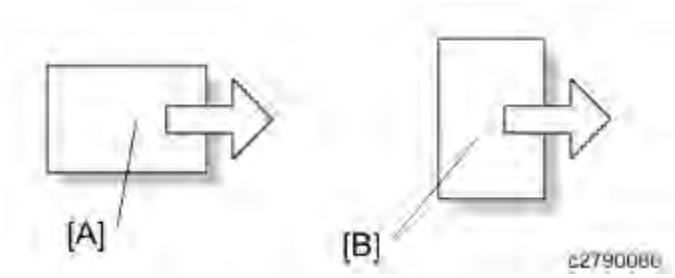
Safety, Conventions, Trademarks

Conventions

Common Terms

This is a list of symbols and abbreviations used in this manual.

Symbol	What it means
	Screw
	Connector
	E-ring
	C-ring
	Harness clamp
FFC	Flexible Film Cable
JG	Junction Gate
LE	Leading Edge of paper
LEF	Long Edge Feed
SEF	Short Edge Feed
TE	Trailing Edge of paper
S31E	The "Emitter" sensor of a sensor pair
S31R	The "Receptor" sensor of a sensor pair



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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 finisher 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

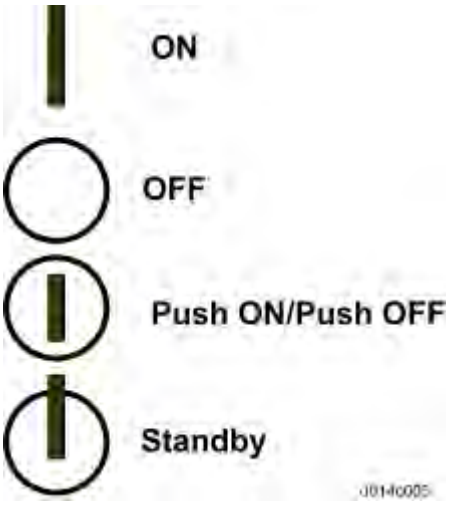
Always obey the following safety precautions when using this product.

Safety During Operation

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

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.



Responsibilities of the Customer Engineer

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 of the machine.

Before Installation, Maintenance

Power

⚠WARNING

- Always disconnect the power plug before doing any maintenance procedure. After switching off the machine, power is still supplied to the main machine and other devices. To prevent electrical shock, switch the machine off, wait for a few seconds, then unplug the machine from the power source.
- Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, never touch electrical components or moving parts (gears, timing belts, etc.).
- After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.

Installation, Disassembly, and Adjustments

⚠CAUTION

- After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., removed for installation, have been removed and that no tools remain inside the machine. This also ensures that all release interlock switches have been restored to normal operation.
- Never use your fingers to check moving parts causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tools

⚠CAUTION

- Use only standard tools approved for machine maintenance.
- For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

⚠CAUTION

- Before you begin a maintenance procedure: 1) Switch the machine off, 2) Disconnect the power plug from the power source, 3) Allow the machine to cool for at least 10 minutes.
- Avoid touching the components inside the machine that are labeled as hot surfaces.

Safety Devices

⚠WARNING

- Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
- Never do any procedure that defeats the function of any safety device. 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.
- 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.

Organic Cleaners

⚠CAUTION

- During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual.
- Make sure the room is well ventilated before using any organic cleaner. Use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
- Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
- Wash your hands thoroughly after cleaning parts with an organic cleaner to contamination of food, drinks, etc. which could cause illness.
- 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. Use “My Ace” Silicone Oil Remover (or dry rags) to soak up spills. For more details, please refer to Technical Bulletin “Silicone Oil Removal” (A024-50).

Ozone Filters

⚠CAUTION

- Always replace ozone filters as soon as their service life expires (as described in the service manual).
- An excessive amount of ozone can build up around machines that use ozone filters if they are not replaced at the prescribed time. Excessive ozone could cause personnel working around the machine to feel unwell.

Power Plug and Power Cord

⚠WARNING

- Before servicing the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
- Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat which could cause a fire.
- Inspect the length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
- Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and could cause a fire.
- Make sure that the area around the power source is free of obstacles so the power cord can be removed quickly in case of an emergency.

- Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
- Connect the power cord directly into the power source. Never use an extension cord.
- When you disconnect the power plug from the power source, always pull on the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

⚠CAUTION

- Always dispose of used items (developer, toner, toner cartridges, OPC drums, etc.) in accordance with the local laws and regulations regarding the disposal of such items.
- To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.

Points to Confirm with Operators

At the end of installation or a service call, instruct the user about use of the machine. Emphasize the following points.

- Show operators how to remove jammed paper and troubleshoot other minor problems by following the procedures described in the operating instructions.
- Point out the parts inside the machine that they should never touch or attempt to remove.
- Confirm that operators know how to store and dispose of consumables.
- Make sure that all operators have access to an operating instruction manual for the machine.
- Confirm that operators have read and understand all the safety instructions described in the operating instructions.
- Demonstrate how to turn off the power and disconnect the power plug (by pulling the plug, not the cord) if any of the following events occur: 1) something has spilled into the product, 2) service or repair of the product is necessary, 3) the product cover has been damaged.
- Caution operators about removing paper fasteners around the machine. They should never allow paper clips, staples, or any other small metallic objects to fall into the machine.

Safety Instructions for this Machine

1. The installation must be done by trained service technicians.
2. This machine weighs 92 kg. (202.9 lb.). At least four persons are required to remove the machine from its pallet and position it for installation.
3. To prevent fire hazards never use flammable solvents around the machine.
4. Never place any object on the machine.
5. If anything falls into the machine, turn off the main power switch on the right side of the machine, then disconnect the power cord from the power source.
6. Locate the machine on a sturdy flat surface where it will not be exposed to excessive vibration.
7. To avoid fire hazard, confirm that the ventilation ports are not blocked, so air can flow freely.
8. Gas generated by the molten glue can irritate the eyes, throat, and nose. The machine should always be used in a well ventilated room.
9. To avoid the dangers of fire and electrical shock, make sure that the machine is never exposed to:
    - Excessive high temperatures and/or humidity
    - Dust
    - Water
    - Direct sunlight
    - Open flame
    - Corrosive gases

Trademarks

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- Other product names used herein are for identification purposes only and may be trademarks of their respective companies. We disclaim any and all rights involved with those marks.

1. REPLACEMENT AND ADJUSTMENT

1.1 COVERS

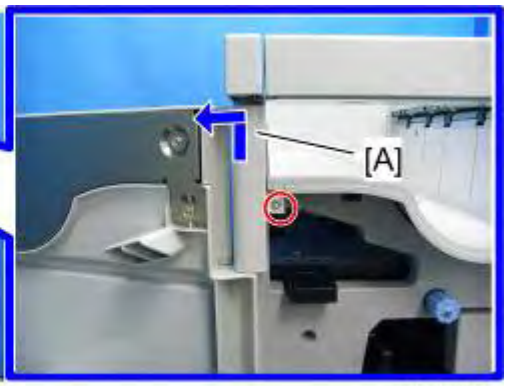
1.1.1 FRONT DOOR UPPER COVER

1. Open the front door [A].

d454r001

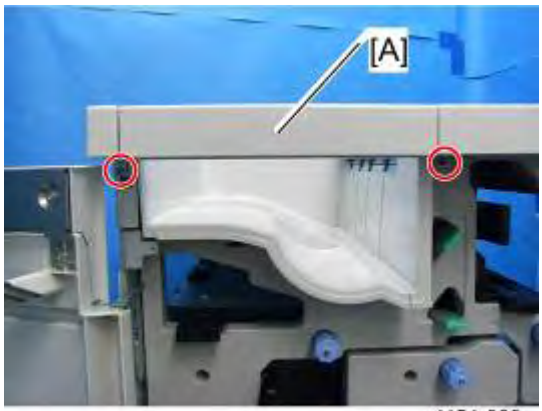
2. Hinge cover [A] (x 1)

d454r002



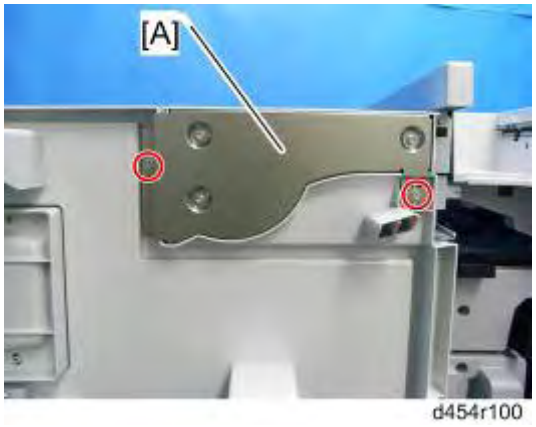
d454r098

3. Cross-piece [A] (x 2)



d454r099

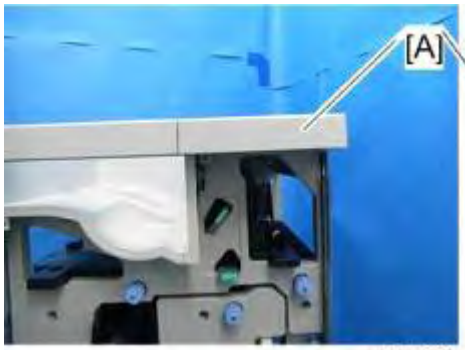
4. Front door upper cover [A] (x 2)



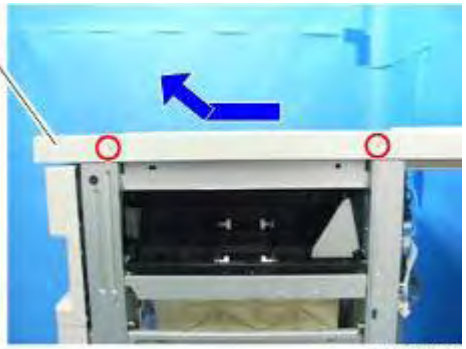
d454r100

1.1.2 TOP COVER

1. Open the front door.
2. Hinge cover (☛page 1 "Front Door Upper Cover")
3. Cross-piece (☛page 1 "Front Door Upper Cover")
4. Top cover [A] (x 2)

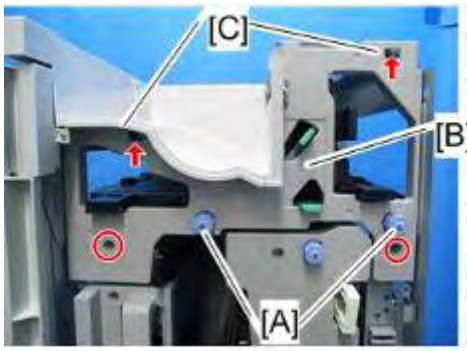


d454r021


d454r020

1.1.3 INNER UPPER COVER

1. Top cover (☛page 2)
2. Remove the knobs [A] (x 1 each).
3. Inner upper cover [B] (x 2)

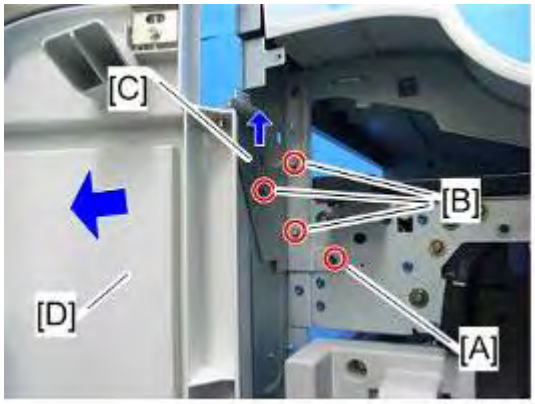


d454r082

d454r036

1.1.4 FRONT DOOR

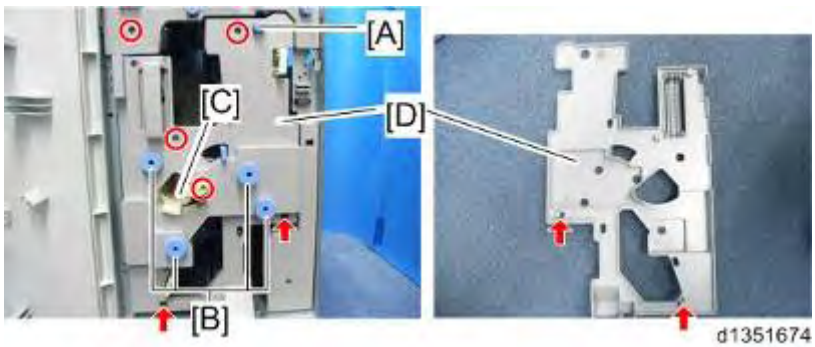
1. Top cover (☛page 2)
2. Inner upper cover (☛page 2)
3. Remove the screw [A].
4. Loosen three screws [B].
5. Lift up the hinge bracket [C].
6. Front door [D]



d1351446

1.1.5 FOLDING UNIT COVER

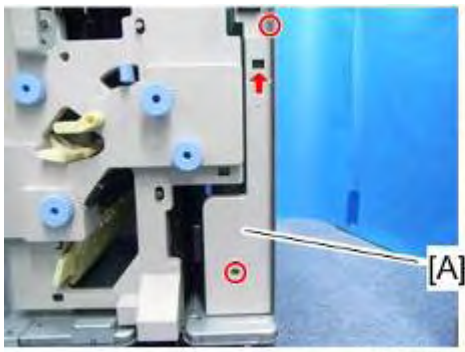
1. Open the front cover.
2. Remove the knob [A] (x 1).
3. Remove four knobs [B] (x 1 each).
4. Lever [C] (x 1)
5. Folding unit cover [D] (x 3, hook x 2)



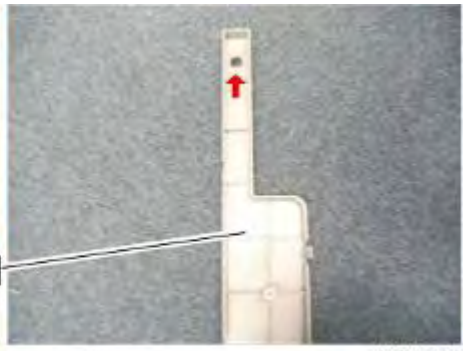
d1351674

1.1.6 INNER LOWER COVER

1. Open the front cover.
2. Inner lower cover [A] (x 1, hook x 1)

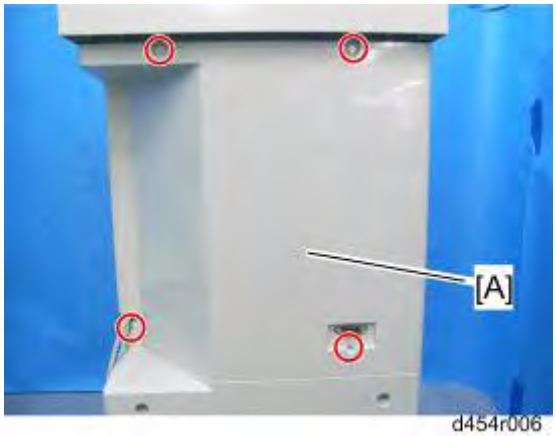


d454r092


d454r093

1.1.7 REAR UPPER COVER

1. Rear upper cover [A] (x 4)



d454r006

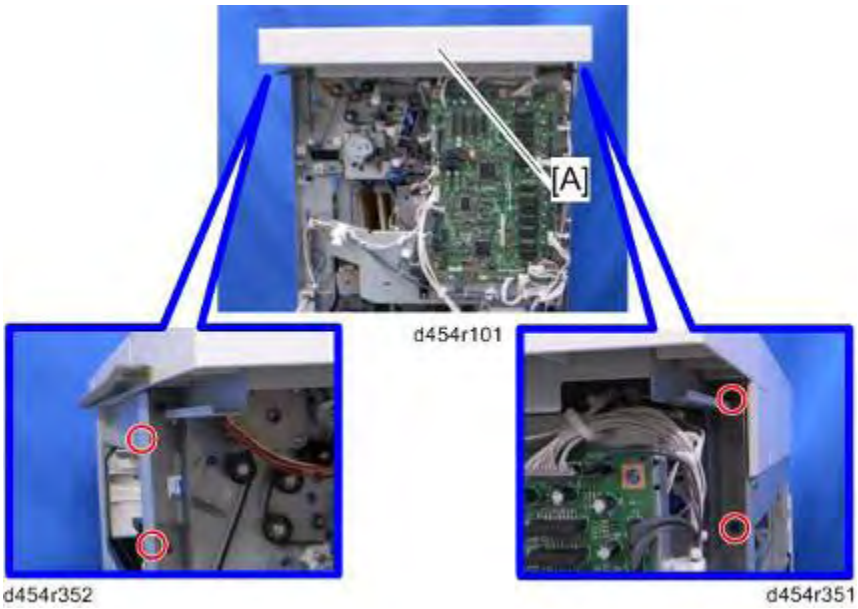
1.1.8 REAR LOWER COVER

1. Rear lower cover [A] (x 3)

d454r007

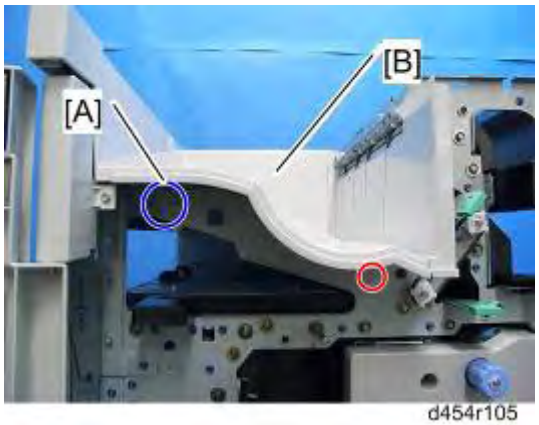
1.1.9 TOP REAR COVER

1. Rear upper cover (☛page 4)
2. Top rear cover [A] (x 4)



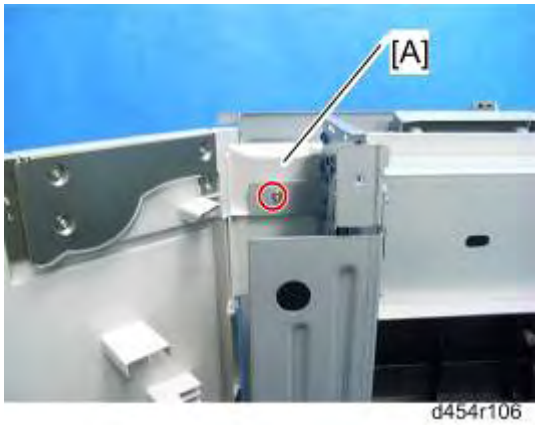
1.1.10 TOP TRAY

1. Top rear cover (☛page 5)
2. Inner upper cover (☛page 2)
3. Release the hook [A], and remove the top tray [B] (x 1).



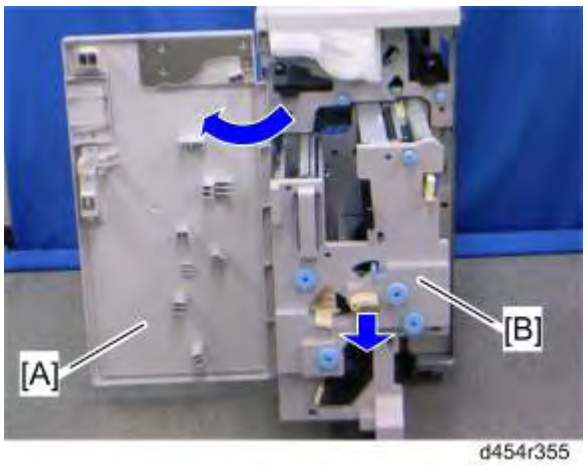
1.1.11 TOP TRAY RIGHT COVER

1. Top tray (☛page 5)
2. Top tray right cover [A] (x 1)



1.1.12 PULLING OUT THE FOLDING UNIT DRAWER

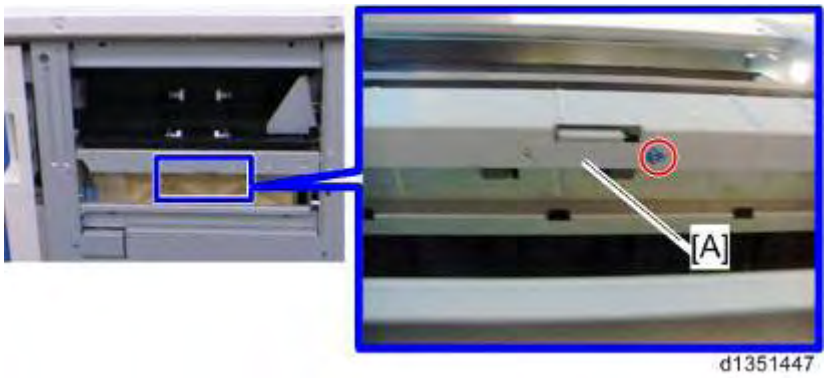
1. Open the front door [A]
2. Pull out the folding unit drawer [B].



1.2 PAPER TRANSPORT

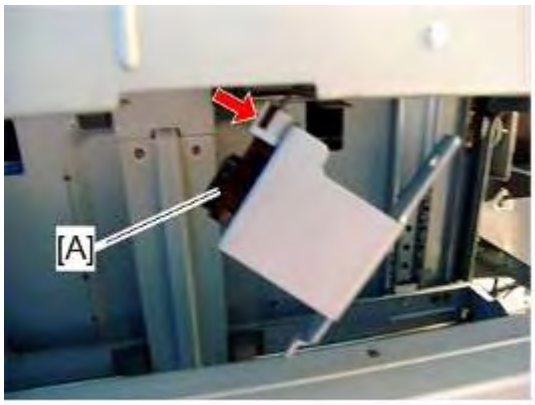
1.2.1 ENTRANCE SENSOR

1. Entrance sensor bracket [A] (x 1)



d1351447

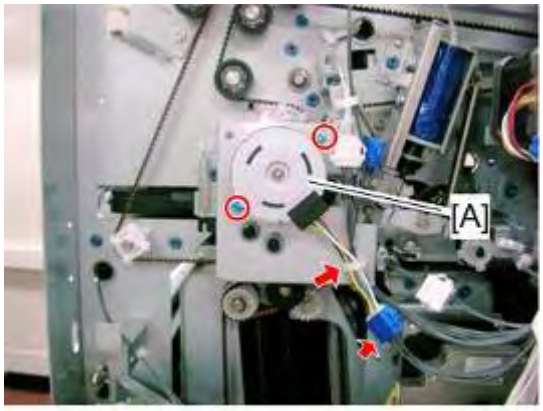
2. Entrance sensor [A] (hooks, x 1)



d1351448

1.2.2 ENTRANCE JG (JUNCTION GATE) MOTOR

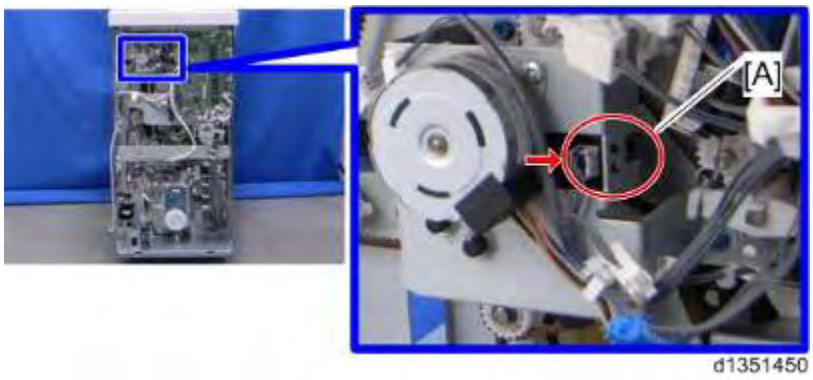
1. Rear upper cover (page 4)
2. Entrance JG motor [A] (x 1, x 1, x 2)



d1351449

1.2.3 ENTRANCE JG (JUNCTION GATE) HP SENSOR

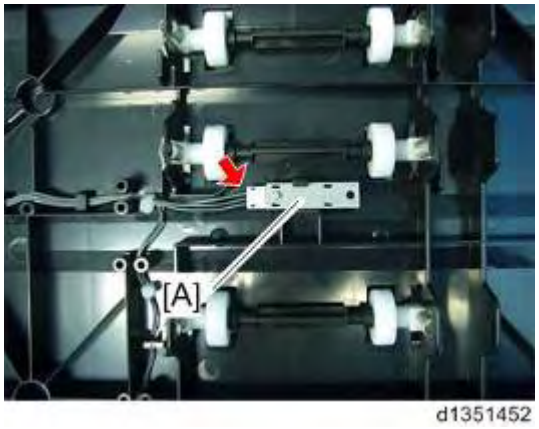
1. Rear upper cover (☛page 4)
2. Entrance JG HP sensor [A] (hooks, x 1)



1.2.4 VERTICAL PATH PAPER SENSOR

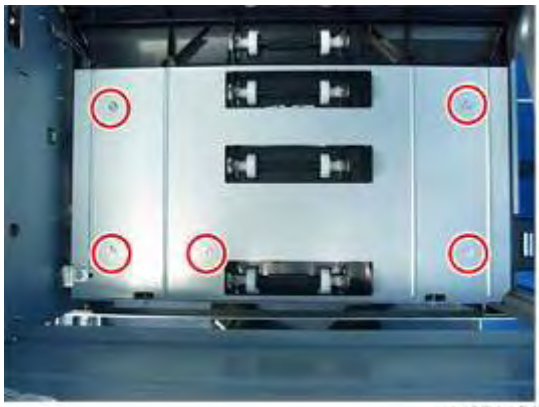
1. Top tray (☛page 5)
2. Remove the bracket (x 5)

3. Vertical path paper sensor [A] (x 1, hooks x 3)



1.2.5 HORIZONTAL PATH EXIT SENSOR

1. Top tray (☛page 5)
2. Remove the bracket (x 5)



d1351451

3. Horizontal path exit sensor [A] ([A] x 1)

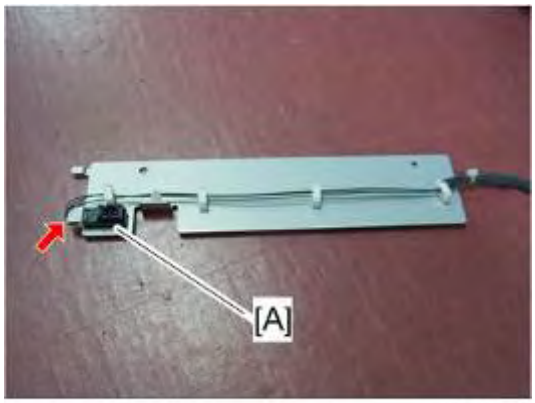
d1351453

1.2.6 HORIZONTAL PATH PAPER SENSOR

1. Top tray (☛page 5)
2. Remove the bracket (x 2)

d1351454

3. Horizontal path paper sensor [A] (x 1, hook x 3)



d1351455

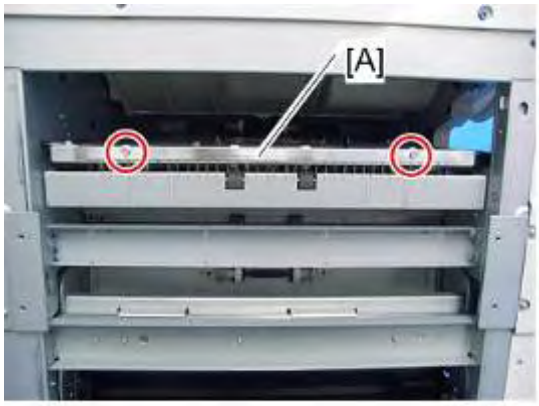
1.2.7 DISCHARGE BRUSH 2

1. Top tray (☛page 5)
2. Discharge brush 2 [A] (x 1)

d1351456

1.2.8 DISCHARGE BRUSH 3

1. Discharge brush 3 [A] (x 2)

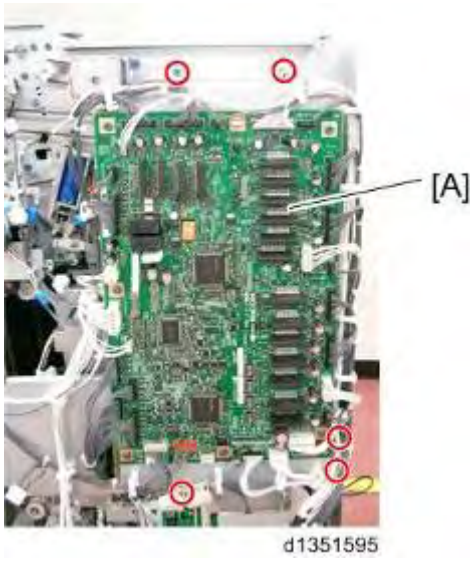


d1351457

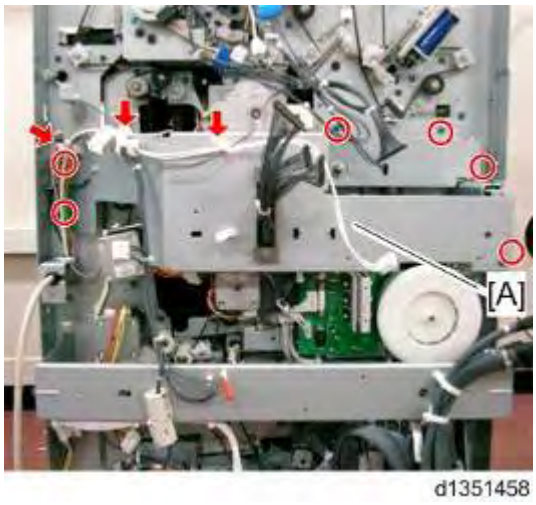
1.3 PAPER FOLDING

1.3.1 DYNAMIC ROLLER LIFT MOTOR

1. Rear upper cover (☛page 4)
2. Top rear cover (☛page 5)
3. Main board bracket [A] (x all, x all, x 5, ground cable x 1)



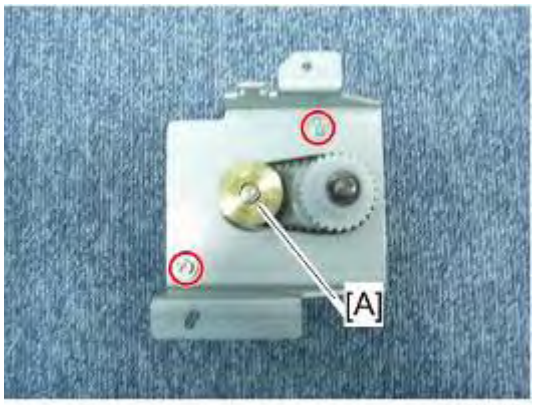
4. Rear upper stay [A] (x 3, x 6)



5. Dynamic roller lift motor bracket [A] (x 1, x 2)

d1351459

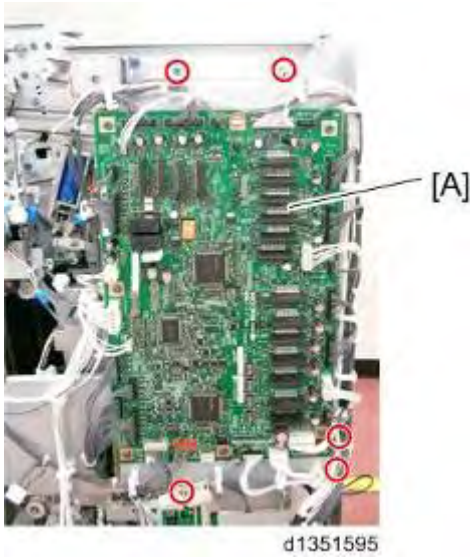
6. Dynamic roller lift motor [A] (x 2)



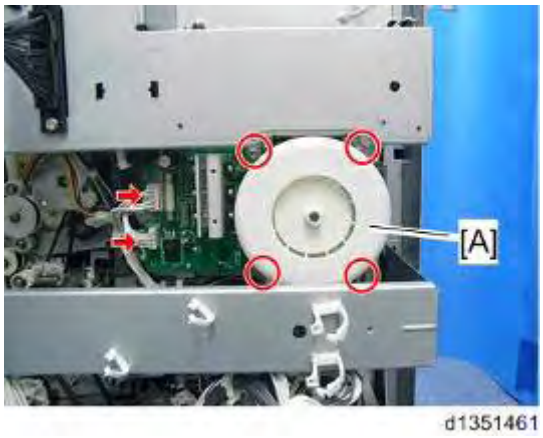
d1351460

1.3.2 CREASE MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Top rear cover (☛page 5)
4. Main board bracket [A] (x all, x all, x 5, ground cable x 1)

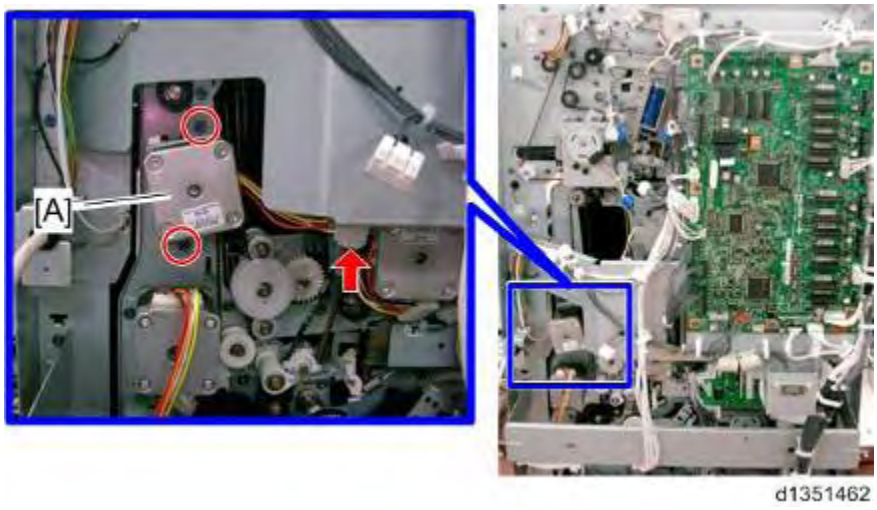


5. Crease motor [A] (x 2, x 4)



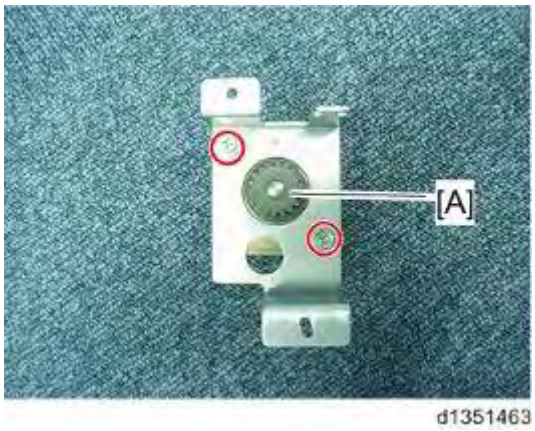
1.3.3 DYNAMIC ROLLER TRANSPORT MOTOR

1. Rear upper cover (☛page 4)
2. Dynamic roller transport motor bracket [A] (x 1, x 2)



d1351462

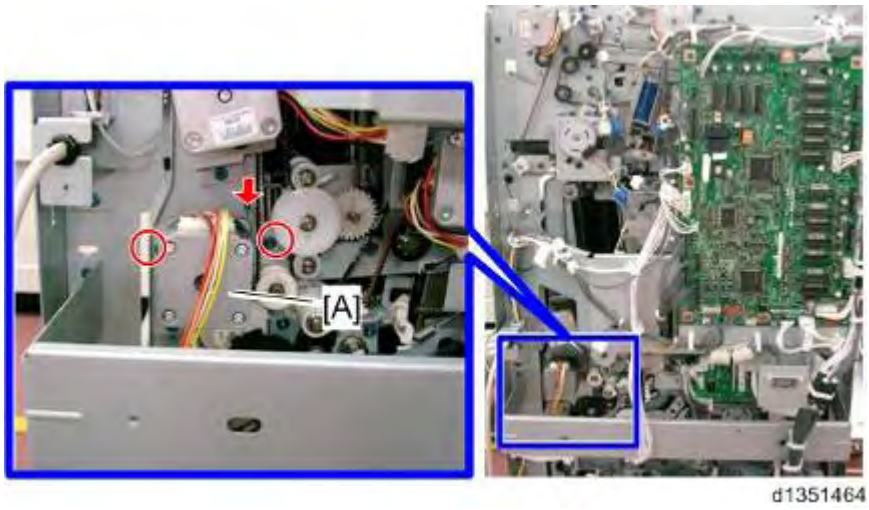
3. Dynamic roller transport motor (x 2)



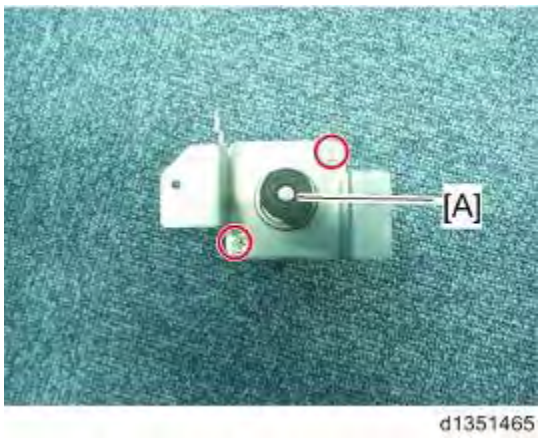
d1351463

1.3.4 REGISTRATION ROLLER RELEASE MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Registration roller release motor bracket [A] (x 1, x 2)

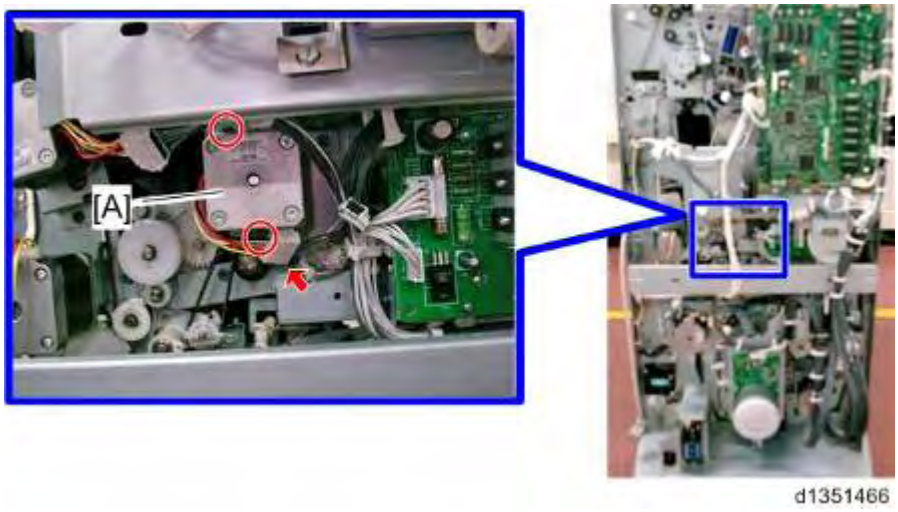


4. Registration roller release motor [A] (x 2)



1.3.5 REGISTRATION ROLLER TRANSPORT MOTOR

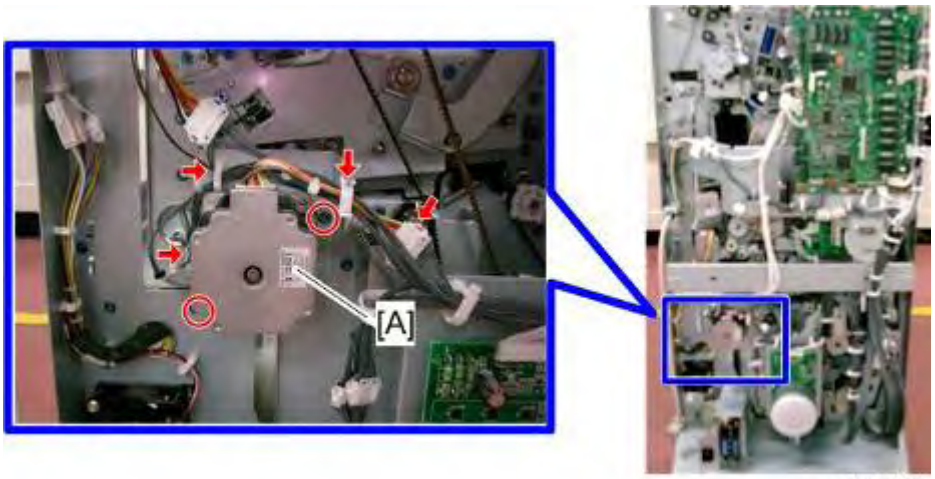
1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Registration roller transport motor bracket [A] (x 1, x 2)



4. Registration roller transport motor [A] (x 2)

1.3.6 FOLD PLATE MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Fold plate motor bracket [A] (x 3, x 1, x 2)



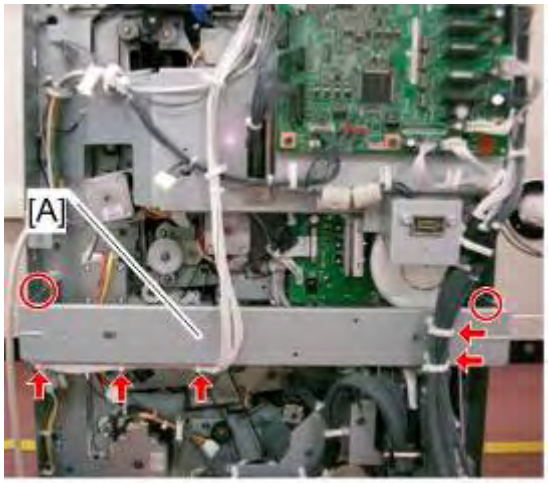
d1351468

4. Fold plate motor [A] (x 2)

d1351469

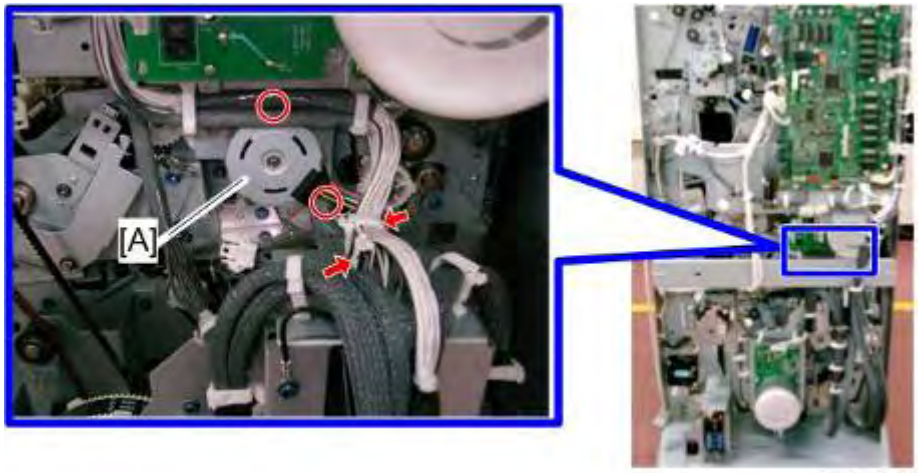
1.3.7 DIRECT-SEND JG MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Rear lower stay [A] (x 5, x 2)



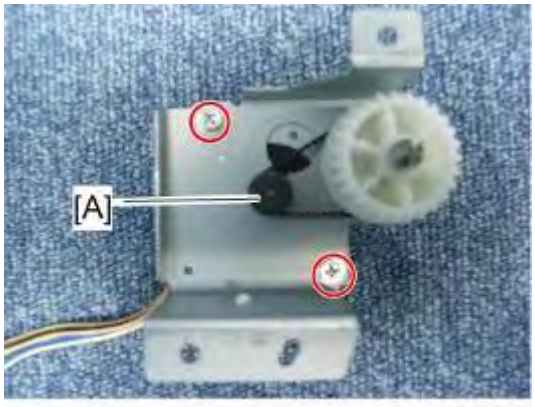
d1351470

4. Direct-Send JG motor bracket [A] (x 1, x 1, x 2)



d1351471

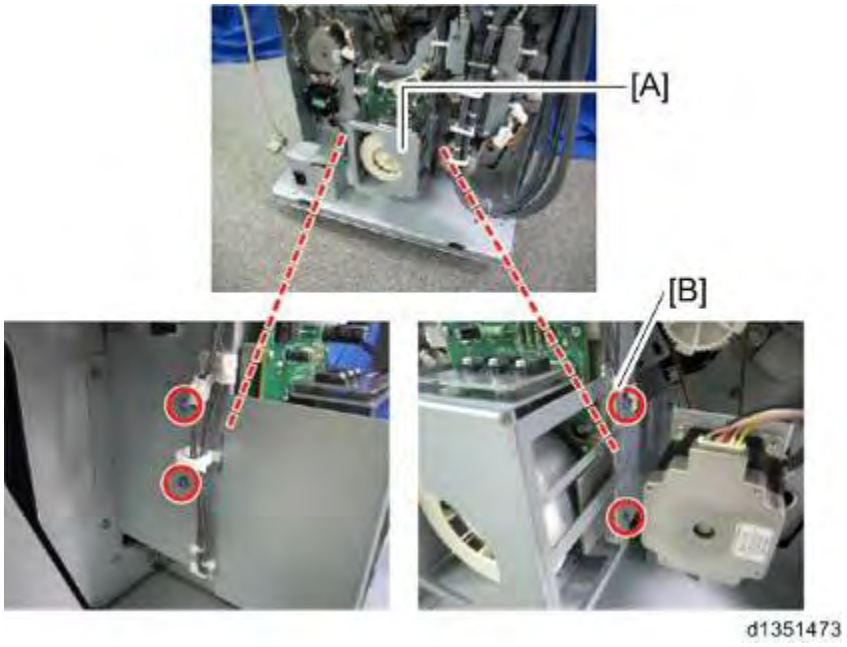
5. Direct-Send JG motor [A] (x 2)



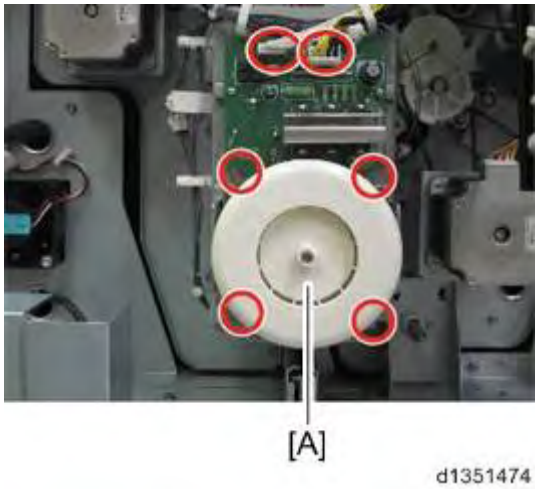
d1351472

1.3.8 1ST FOLD MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. 1st Fold Motor cover [A] (x 4, x 1)

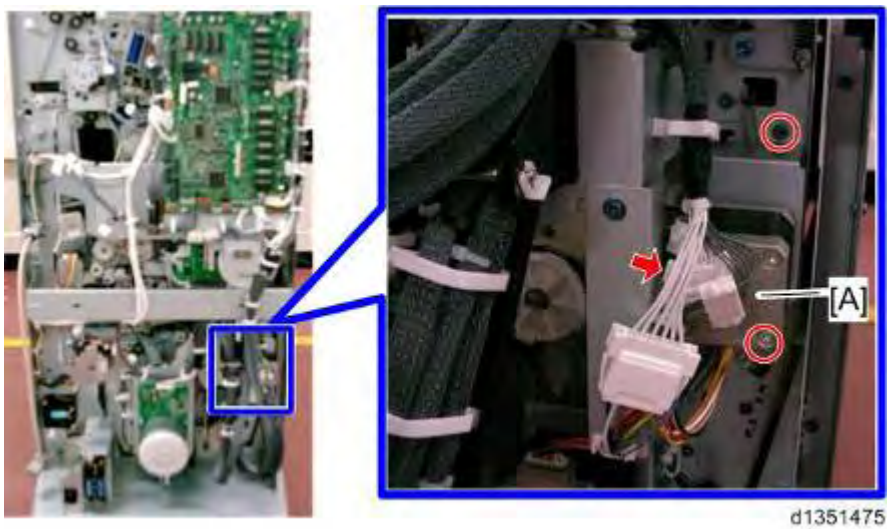


4. 1st fold motor [A] (x 2, x 4)



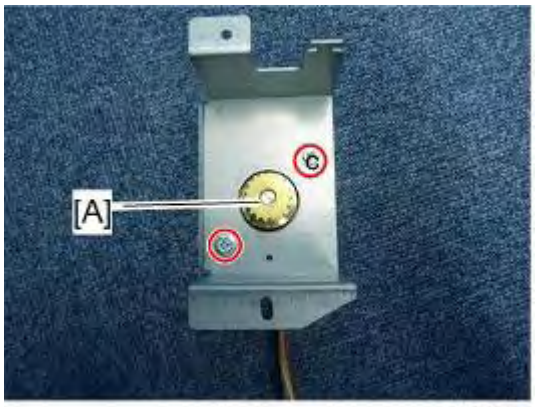
1.3.9 FM6 PAWL MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. FM6 pawl motor bracket [A] (x 1, x 1, x 2)



d1351475

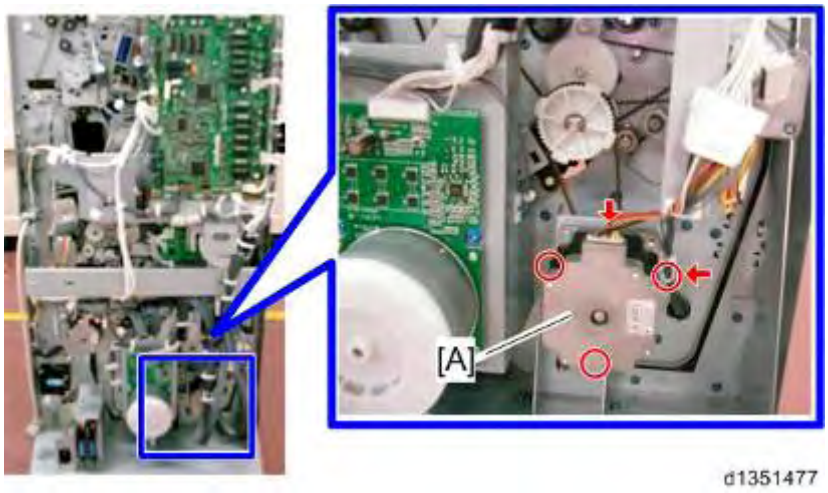
4. FM6 pawl motor [A] (x 2)



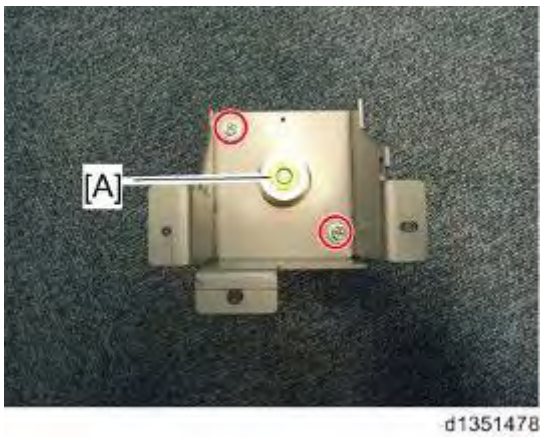
d1351476

1.3.10 2ND FOLD MOTOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. 2nd fold motor bracket [A] (x 1, x 1, x 3)

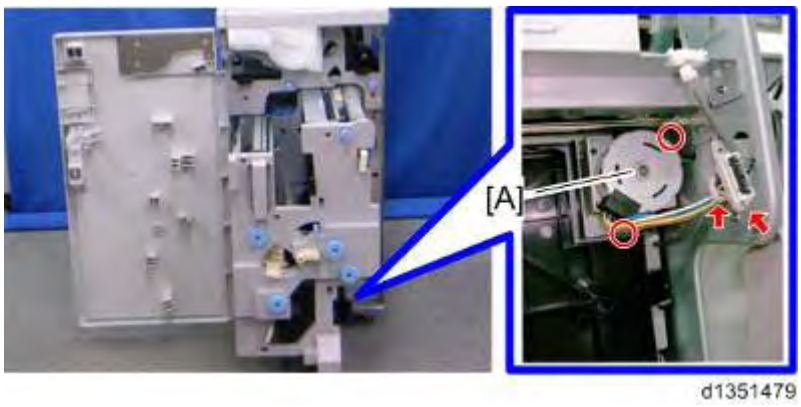


4. 2nd fold motor [A] (x 2)

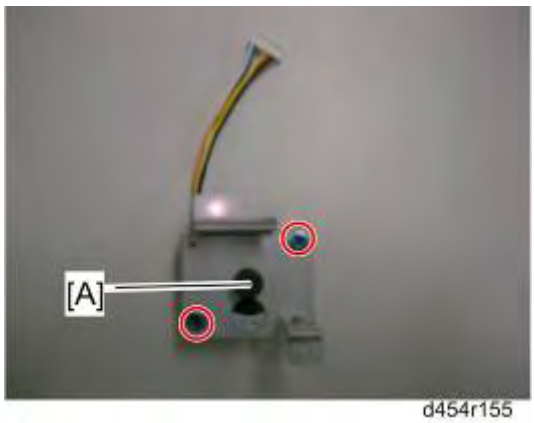


1.3.11 JOGGER FENCE MOTOR

1. Pull out the folding unit drawer. (☛page 6 "Pulling Out the Folding Unit Drawer")
2. Jogger fence motor bracket [A] (x 1, x 1, x 2)

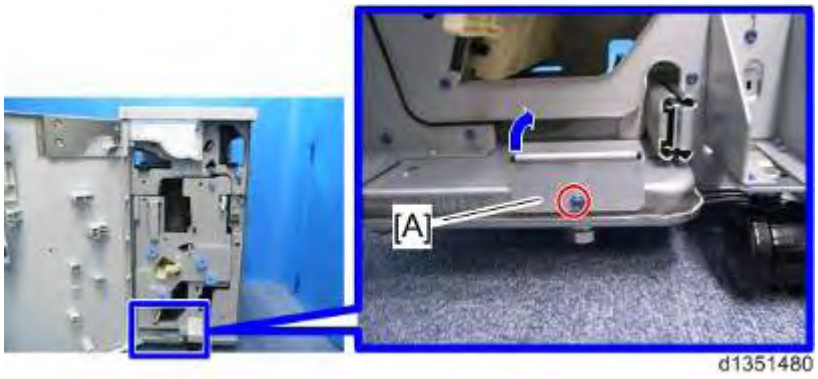


3. Jogger fence motor [A] (x 2)

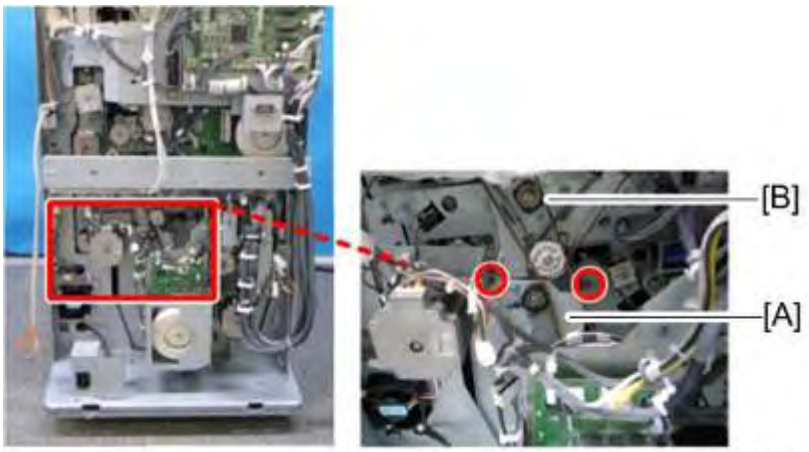


1.3.12 1ST STOPPER UNIT

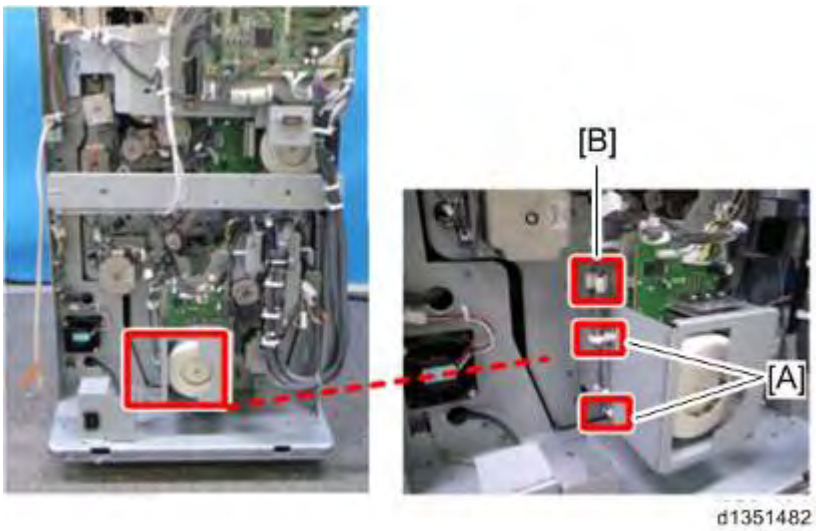
1. Folding unit cover (☛page 3)
2. Rear upper cover (☛page 4)
3. Rear lower cover (☛page 4)
4. Drawer stopper [A] (x 1)



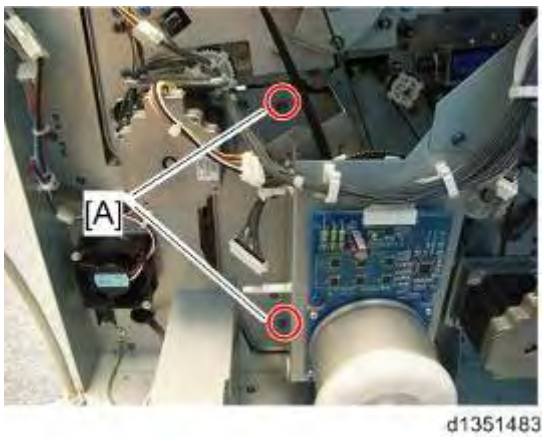
5. Belt tension bracket [A] (x 2, timing belt [B])



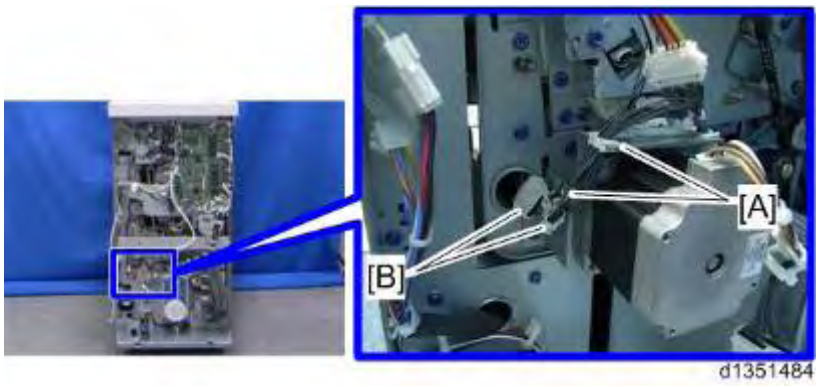
6. Release two clamps [A]. (x2)
7. Disconnect two connectors [B].



8. Remove two screws [A].



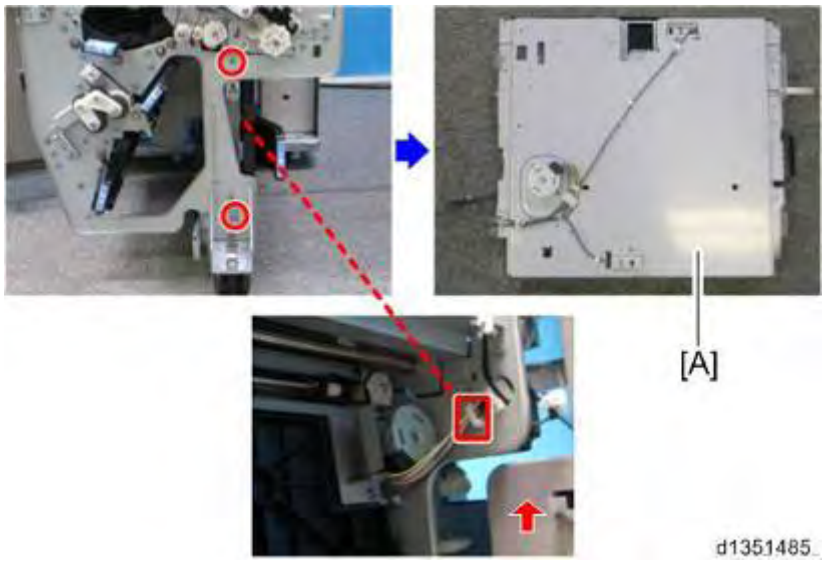
9. Release two clamps [A]. (x2)
10. Disconnect two connectors [B].



11. Pull out the folding unit drawer (☛page 6 "Pulling Out the Folding Unit Drawer").
12. Hold the 1st stopper unit [A], and then remove it (x 2, x 1).

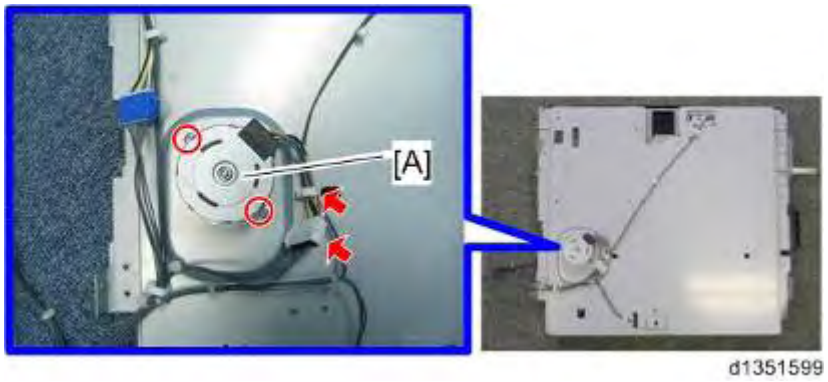
Note

- The 1st stopper unit cannot hang from the folding unit drawer without the two screws. If you remove the 1st stopper unit without any support, the 1st stopper unit can fall and be broken.



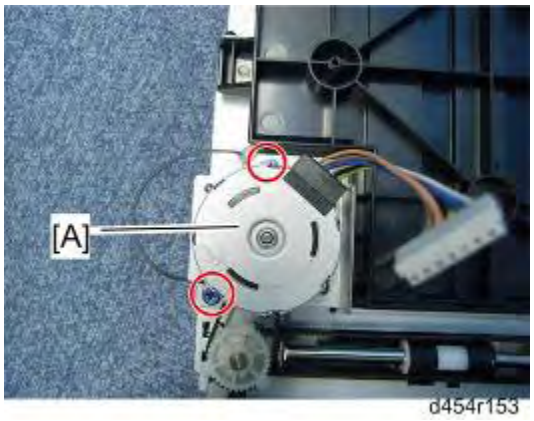
1.3.13 1ST STOPPER MOTOR

1. 1st stopper unit (☛page 23)
2. 1st stopper motor [A] (x 1, x 1, x 2)



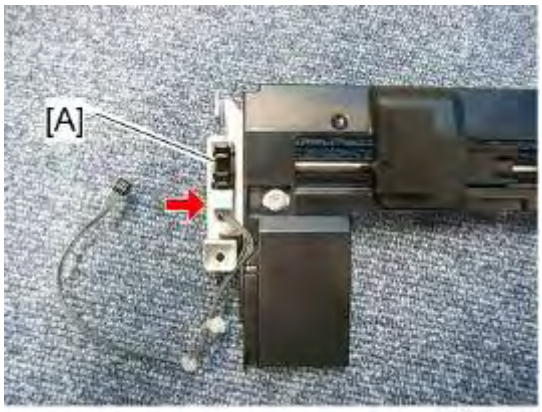
1.3.14 JOGGER FENCE HP SENSOR

1. 1st stopper unit (☛page 23)
2. Jogger fence motor bracket [A] (x 2)



3. Jogger fence timing belt bracket [A] (x 2)

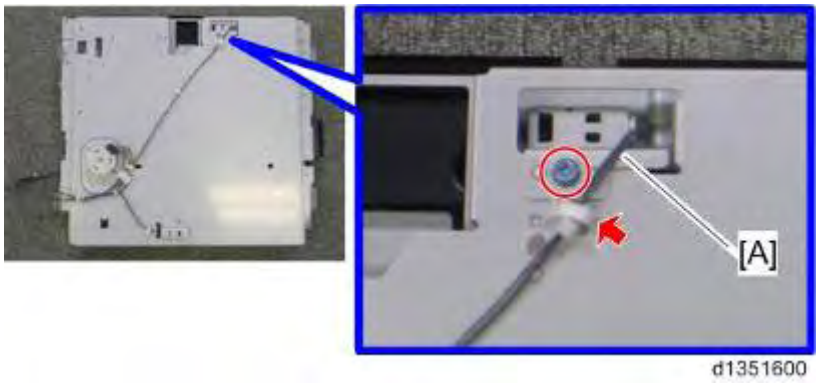
4. Jogger fence HP sensor [A] (hooks, x 1)



d1351487

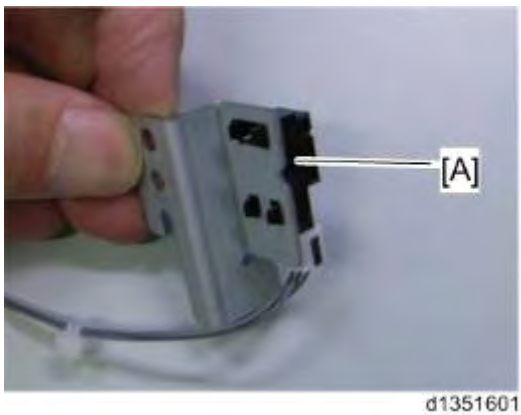
1.3.15 1ST STOPPER PAPER SENSOR

1. 1st stopper unit (☛page 23)
2. 1st stopper paper sensor bracket [A] (x 1, x 1)



d1351600

3. 1st stopper paper sensor [A] (hooks x 3)

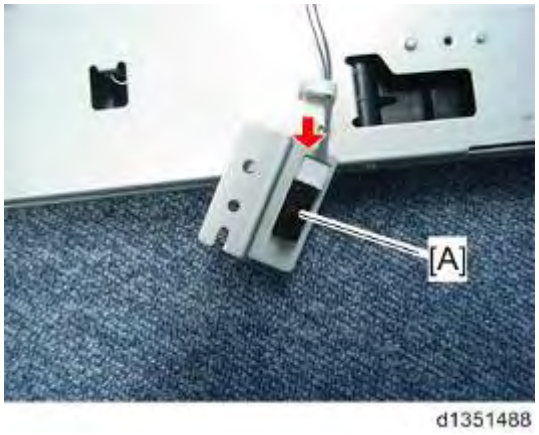


d1351601

1.3.16 1ST STOPPER HP SENSOR

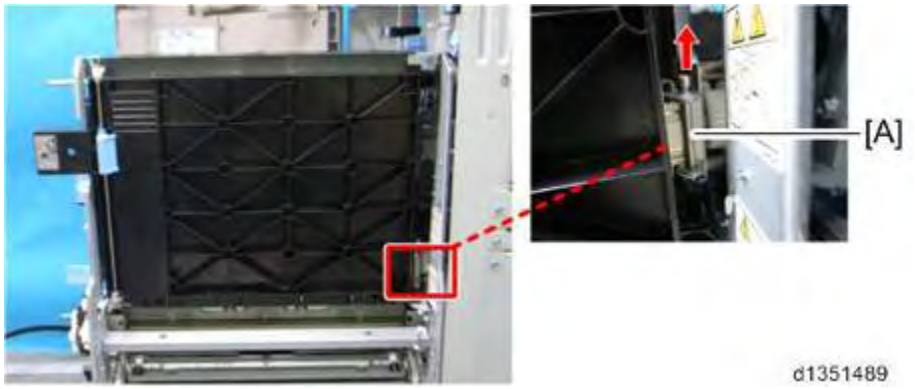
1. 1st stopper unit (☛page 23)
2. 1st stopper HP sensor bracket [A] (x 1)

3. 1st stopper HP sensor [A] (x1, hooks x 3)

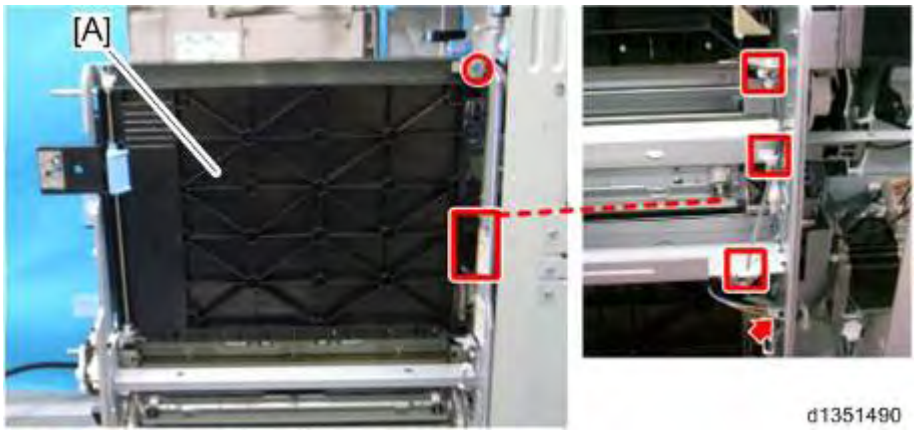


1.3.17 REGISTRATION SENSOR

1. Pull out the folding unit drawer (☛page 6 "Pulling Out the Folding Unit Drawer")
2. Pull out the pin [A].

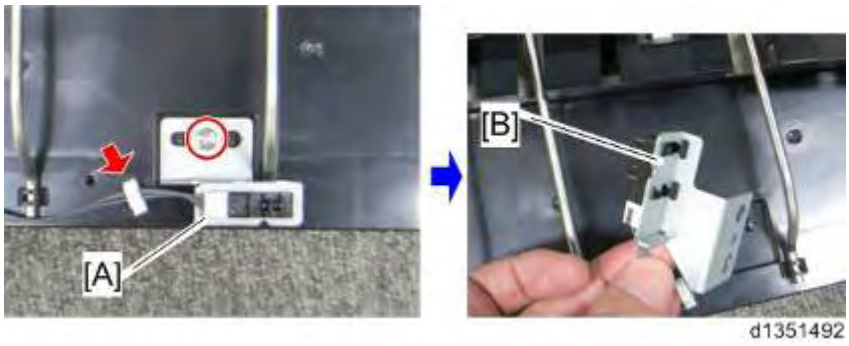


3. Jam removal door [A] (x 3, x 1, x 1)



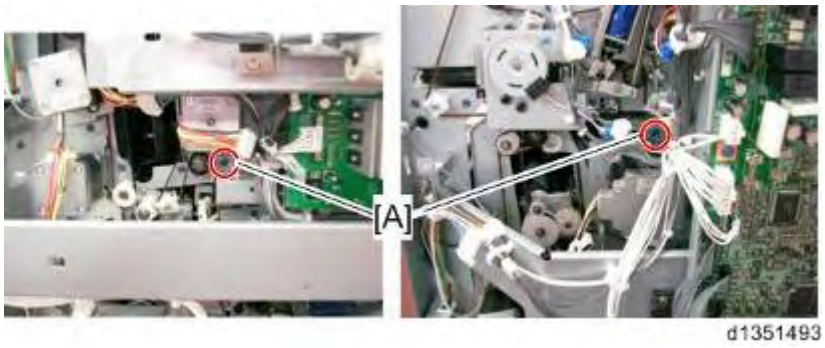
4. Dynamic roller bottom guide [A] (x 2)

5. Registration sensor bracket [A] (x 1, x 1)
6. Registration sensor [B] (x 1, hooks x 3)

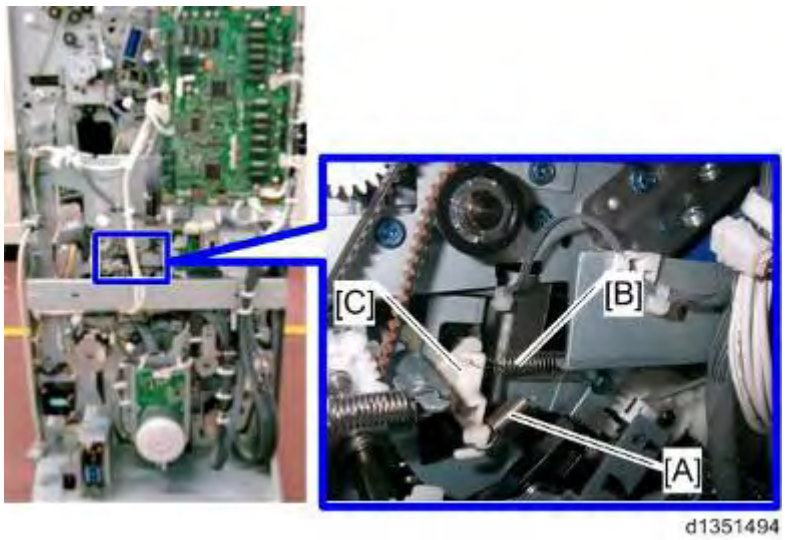


1.3.18 2ND STOPPER UNIT

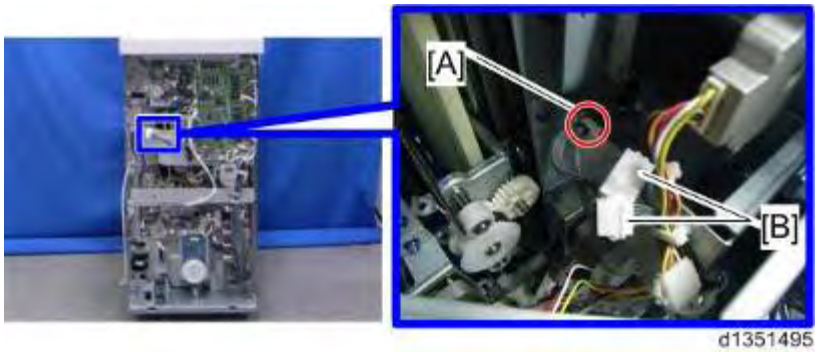
1. 1st stopper unit (☛page 23)
2. Jam removal door (☛page 29 "Registration Sensor")
3. Remove two screws [A] at the rear side of the folding unit drawer.



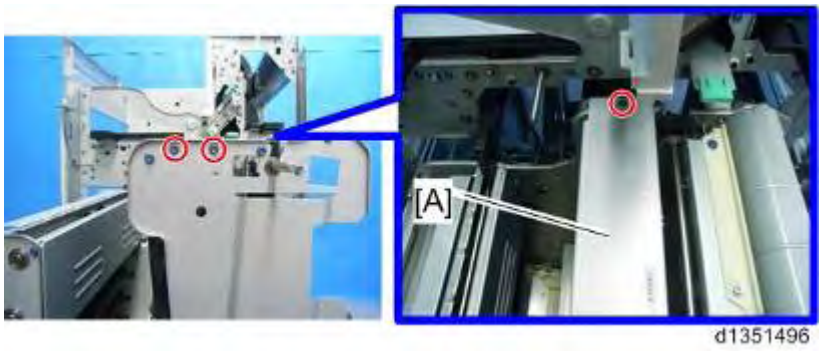
4. Remove the spring [A] for the solenoid spring [B] for the guide plate.
5. Remove the arm [C] for the guide plate.



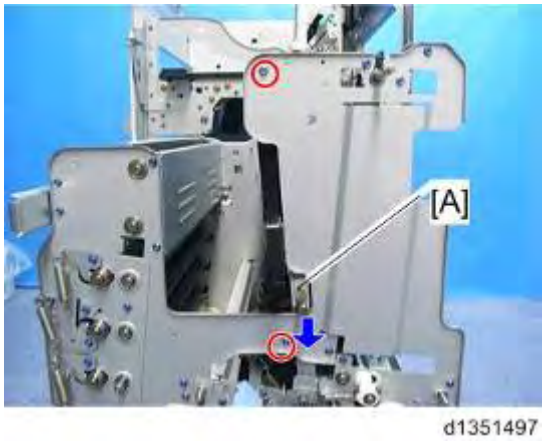
6. Release the clamp [A] and disconnect two connectors [B].



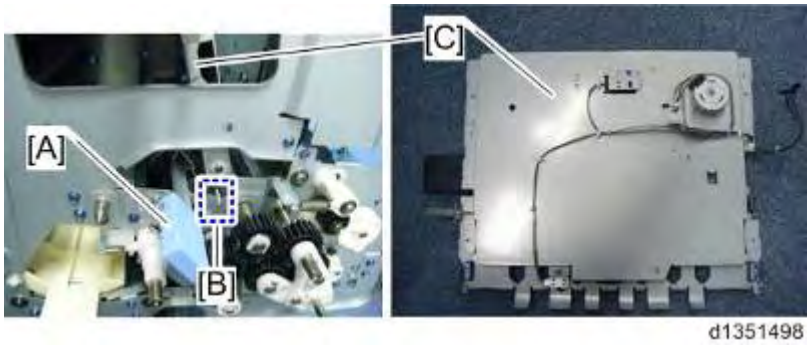
7. Pull out the folding unit drawer. (☛page 6 "Pulling Out the Folding Unit Drawer")
8. Top stay [A] (🔩 x 3)



9. Move down the 2nd stopper unit [A] a little bit (🔩 x 2).

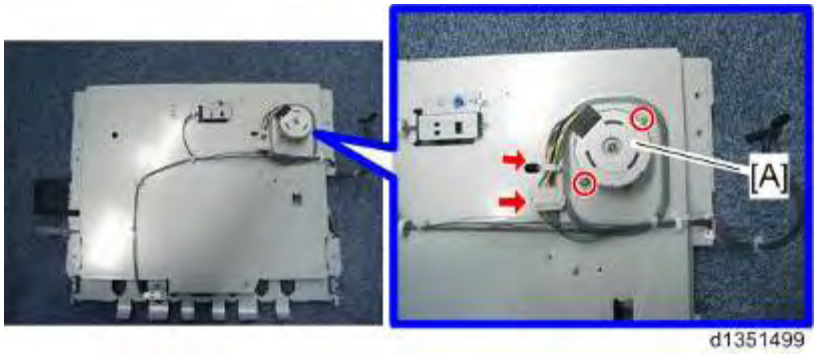


10. Open the jam removal door [A]. (hook [B])
11. Remove the 2nd stopper unit [C].



1.3.19 2ND STOPPER MOTOR

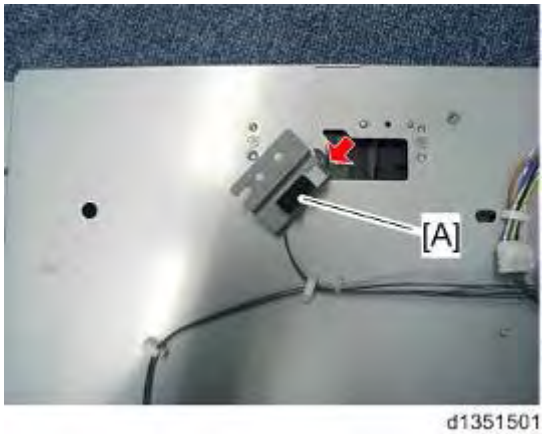
1. 2nd stopper unit (☛page 30)
2. 2nd stopper motor [A] (x 1, x 1, x 2)



1.3.20 2ND STOPPER HP SENSOR

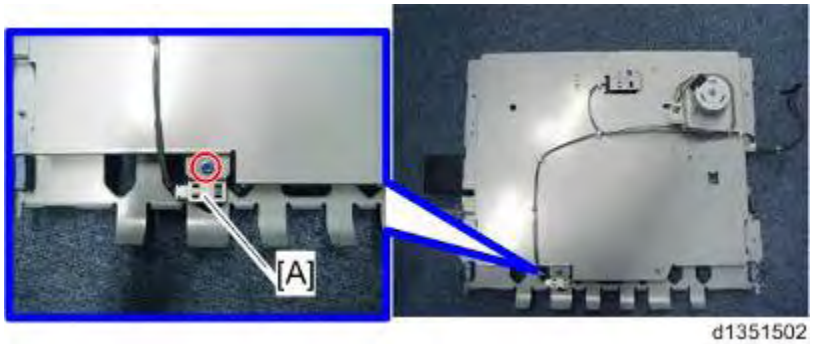
1. 2nd stopper unit (☛page 30)
2. 2nd stopper HP sensor bracket [A] (x 1)

3. 2nd stopper HP sensor [A] (x 1, hooks x 3)



1.3.21 2ND STOPPER PAPER SENSOR

1. 2nd stopper unit (☛page 30)
2. 2nd stopper paper sensor bracket [A] (x 1)



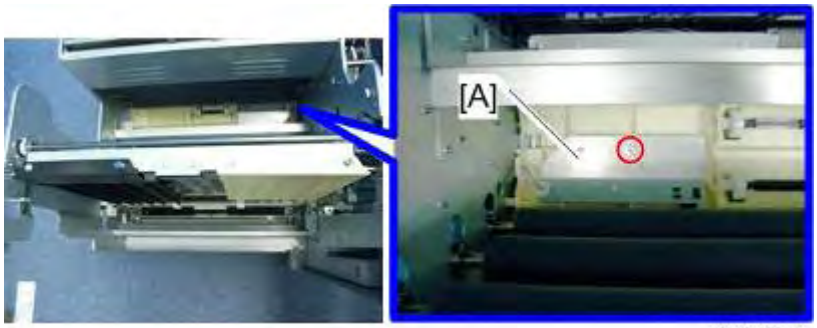
d1351502

3. 2nd stopper paper sensor [A] (x 1, hook x 3)

d1351503

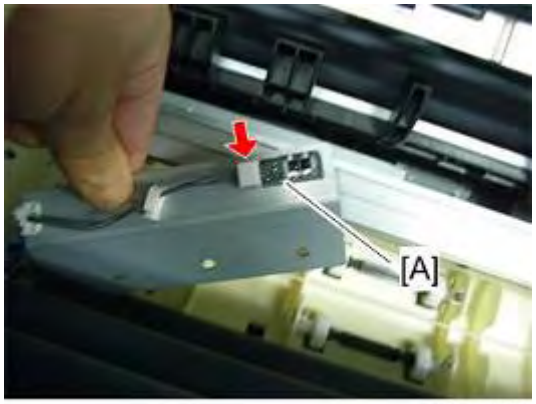
1.3.22 BYPASS EXIT PAPER SENSOR

1. Pull out the folding unit drawer. (☛page 6 "Pulling Out the Folding Unit Drawer")
2. 2nd stopper unit (☛page 30)
3. Bypass exit paper sensor bracket [A] (x 1)



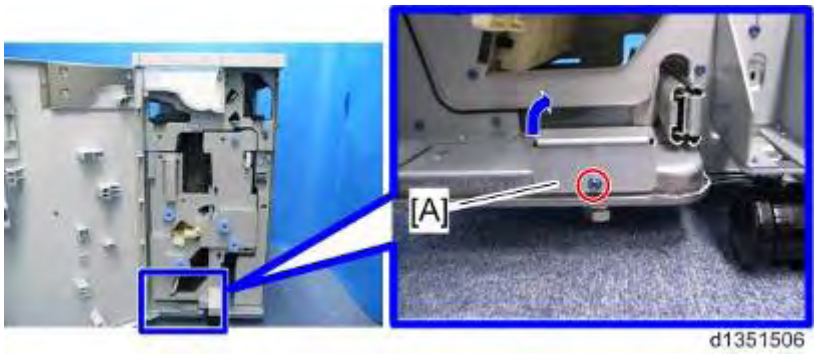
d1351504

4. Bypass exit paper sensor [A] (x 1, hook x 3)



1.3.23 3RD STOPPER UNIT

1. Folding unit cover (☛page 3)
2. Rear upper cover (☛page 4)
3. Rear lower cover (☛page 4)
4. Drawer stopper [A] (x 1)



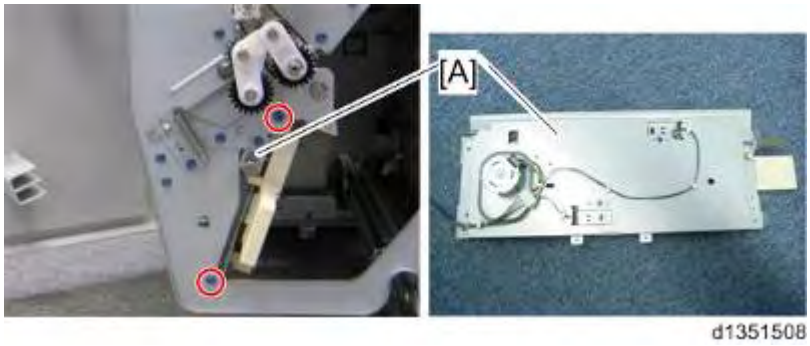
5. Release the clamp [A].
6. Disconnect two connectors [B].

7. 2nd fold motor bracket (☛page 22 "2nd Fold Motor")
8. Remove two screws [A].

9. Hold the 3rd stopper unit [A], and then remove it (x 2).

Note

- The 3rd stopper unit cannot hang from the folding unit drawer without the two screws. If you remove the 3rd stopper unit without any support, the 3rd stopper unit can fall and be broken.



1.3.24 3RD STOPPER MOTOR

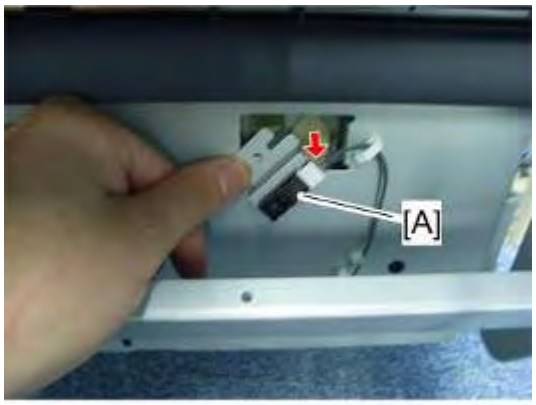
1. 3rd stopper unit (page 34)
2. 3rd stopper motor [A] (x 1, x 1, x 2)

1.3.25 3RD STOPPER PAPER SENSOR

1. Pull out the folding unit drawer. (☛page 6 "Pulling Out the Folding Unit Drawer")
2. 3rd stopper paper sensor bracket [A] (x 1)

d1351511

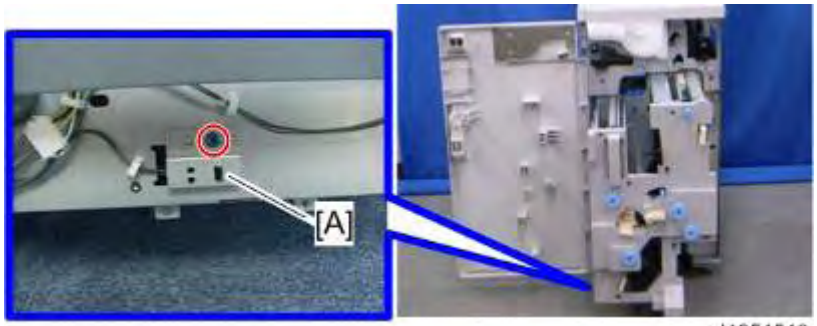
3. 3rd stopper paper sensor [A] (x 1, hool x 3)



d1351512

1.3.26 3RD STOPPER HP SENSOR

1. Pull out the folding unit drawer. (☛page 6 "Pulling Out the Folding Unit Drawer")
2. 3rd stopper HP sensor bracket [A] (x 1)



d1351513

3. 3rd stopper HP sensor [A] (x 1, hook x3)

d1351514

1.3.27 DIRECT-SEND JG (JUNCTION GATE) HP SENSOR

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Direct-Send JG HP sensor bracket [A] (x 1, x 1)

4. Direct-Send JG HP sensor [A] (hook x 3)

1.3.28 REGISTRATION ROLLER HP SENSOR

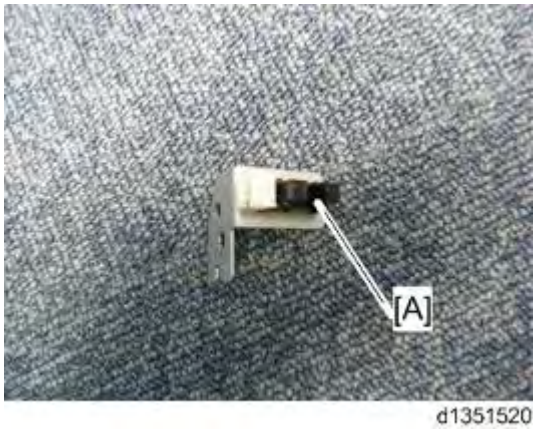
1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Registration roller HP sensor bracket [A] (x 1, x 1)

4. Registration roller HP sensor [A] (hooks x 3)

1.3.29 FOLD PLATE HP SENSOR

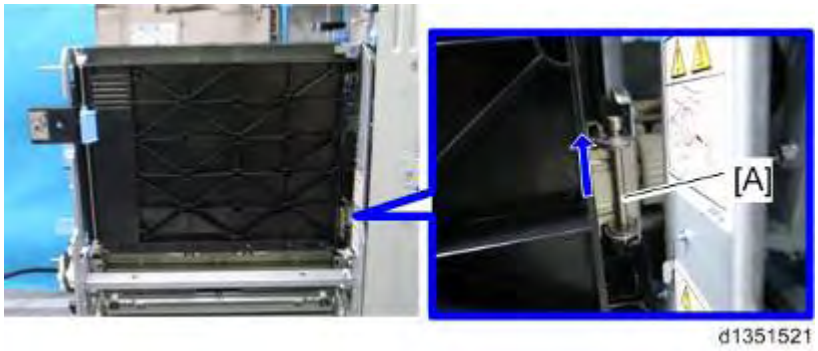
1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Fold plate HP sensor bracket [A] (x 1, x 1)

4. Fold plate HP sensor [A] (hook x 3)

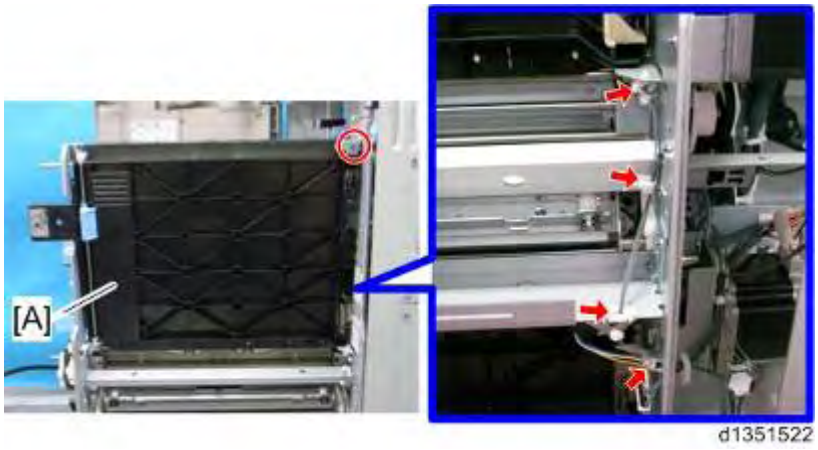


1.3.30 FIRST FOLD UNIT

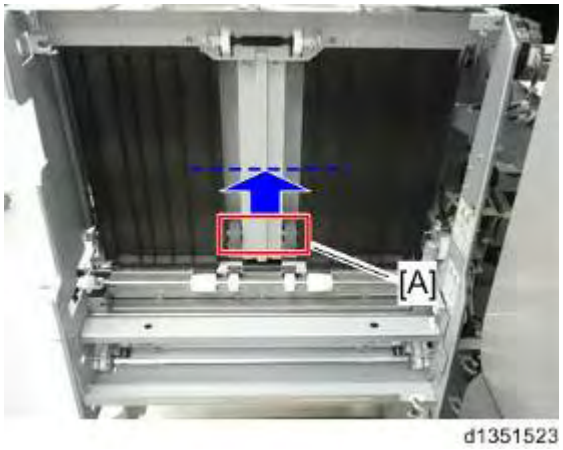
1. 1st stopper unit (☛page 23)
2. Pull out the pin [A] (x 1)



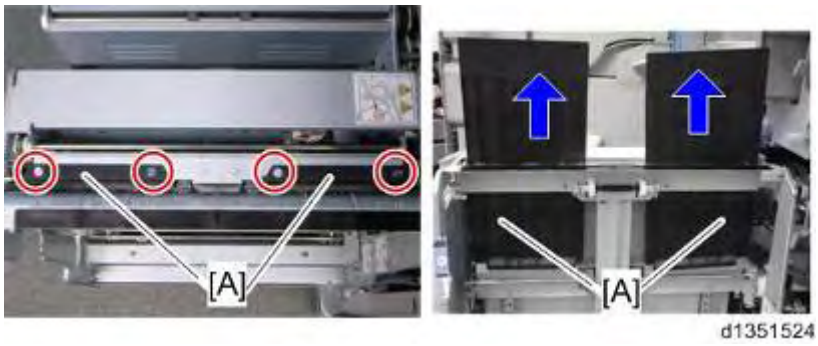
3. Jam removal door [A] (x 1, x 3, x 1)



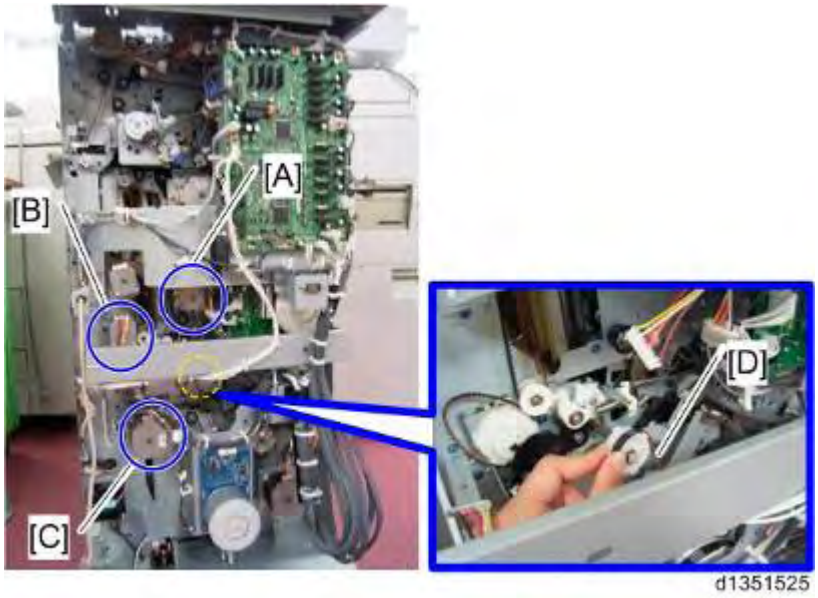
4. Lift up the dynamic roller [A].



5. Lift up two guide plates [A] (each x 2).

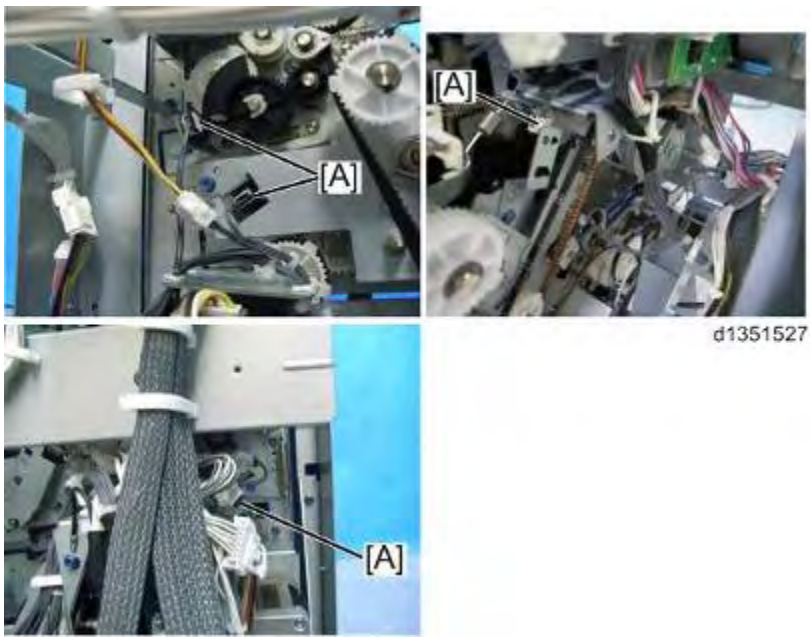


6. Registration roller transport motor bracket [A] (☛page 17)
7. Registration roller release motor bracket [B] (☛page 16 "Registration Roller Release Motor")
8. Fold plate motor bracket [C] (☛page 18 "Fold Plate Motor")
9. Timing belt of the 1st plate motor [D]



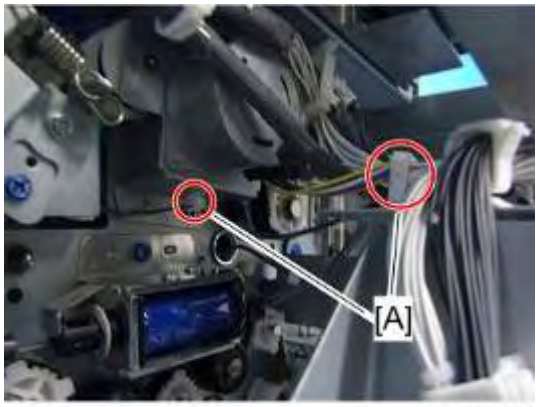
10. Remove two screws on the rear side.

11. Disconnect four harnesses [A] on the rear side.



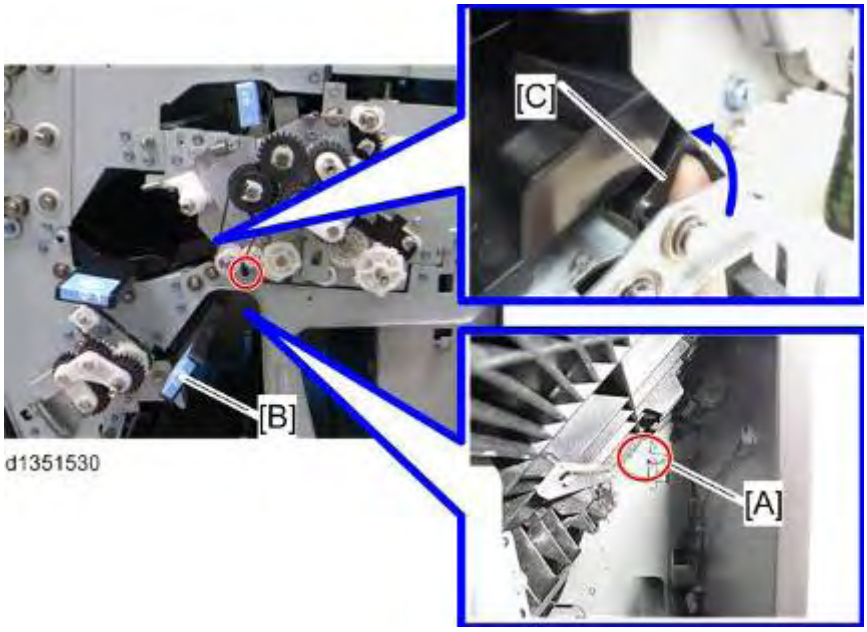
d1351527

12. Release two clamps [A].



d1351528

13. Remove the spring [A] at the rear frame of the folding unit drawer.
14. Lower guide plate [B] (x 1)
    - First, push the lower guide plate to the rear side while keeping the upper guide plate [C] open.
    - Secondly, take out the lower guide plate [B].



d1351530

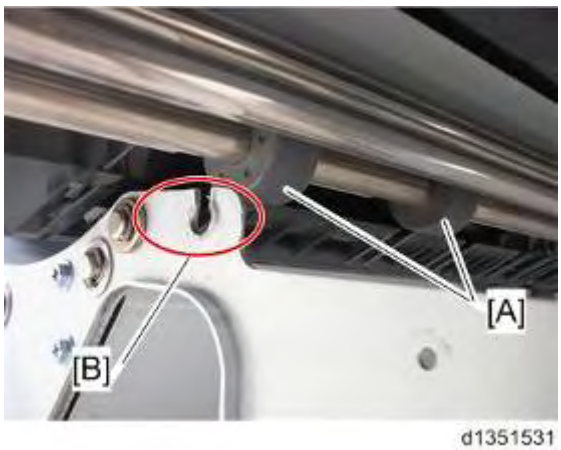
15. Pull the first fold unit [A] until it stops (x 3).

d1351529

16. Lift the first fold unit a little bit, and then remove it.

Note

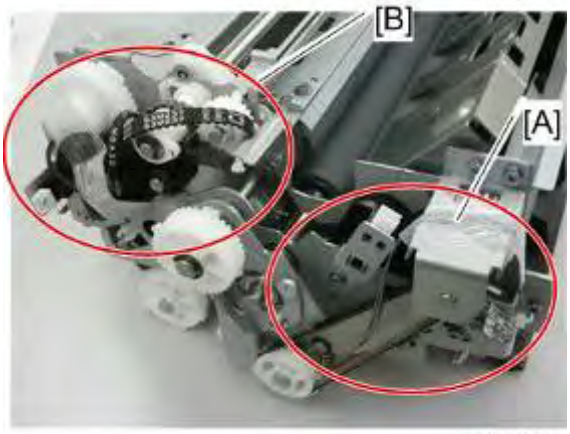
- At this time, one of the transport rollers [A] at the bottom of the first fold unit is caught in the frame [B] of the fold unit drawer.



d1351531

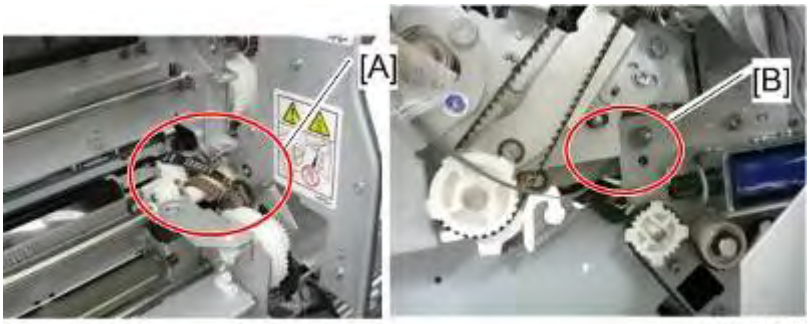
Note

- When installing the first fold unit:
- Attach the harness [A] and timing belts [B] tightly to the first fold unit with tapes so that the harness and timing belts are not caught in any parts when installing the first fold unit in the fold unit drawer.



d1351532

- If the first fold unit is not completely installed in the fold unit drawer, check the following:
- The timing belts are not caught [A] between the rear frame of the fold unit drawer and the frame of the first fold unit.
- The harness of the first fold unit is not pinched [B] between the rear frame of the fold unit drawer and the frame of the first fold unit.



d1351533

1.3.31 DYNAMIC ROLLER HP SENSOR

1. First fold unit (☛page 41)
2. Dynamic roller HP sensor bracket (x 1)

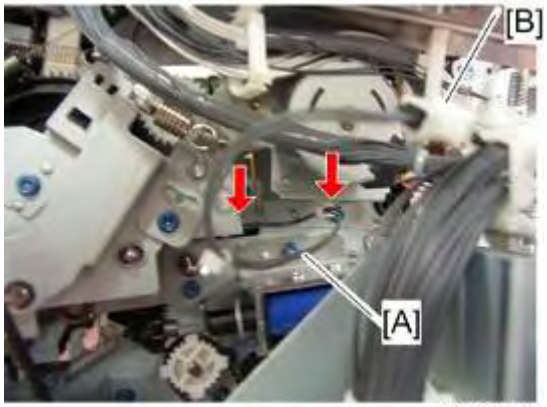
d1351534

3. Dynamic roller HP sensor [A] (x 1, hook x 3)

d1351535

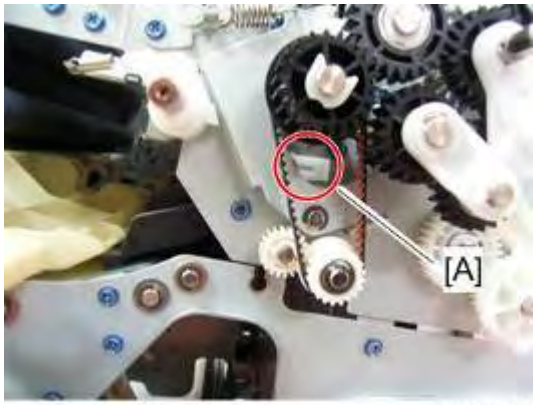
1.3.32 BYPASS ENTRANCE PAPER SENSOR

1. Folding unit cover (☛page 3)
2. Rear upper cover (☛page 4)
3. Rear lower cover (☛page 4)
4. Disconnect the bypass entrance paper sensor harness [A] from the connector [B] (x 1, x 2).



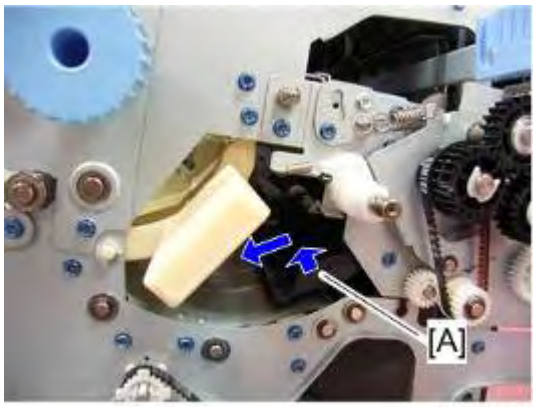
d1351536

5. Remove the clip [A] for the bypass entrance guide plate.



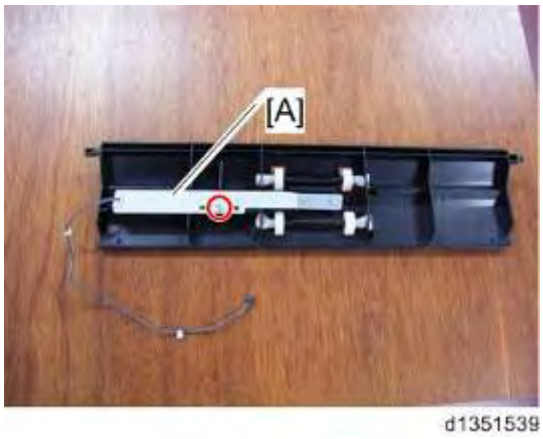
d1351537

6. Push the bypass entrance guide plate [A] to the rear, then slide it to the left, and remove it.



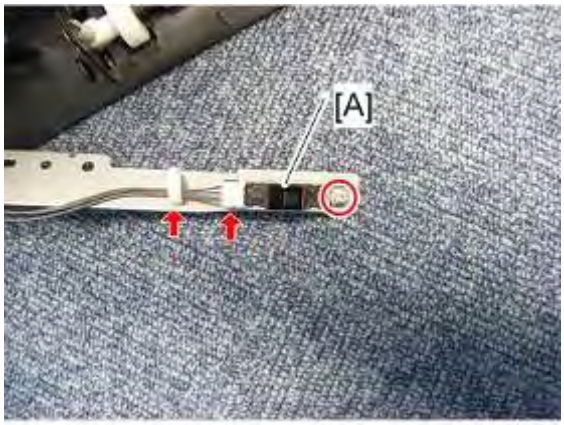
d1351538

7. Bypass entrance paper sensor bracket [A] (x 1)



d1351539

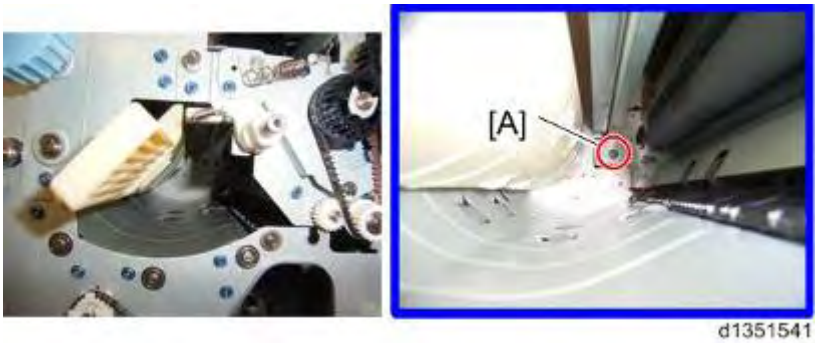
8. Bypass entrance paper sensor [A] (x 1, x 1, x 1, hook x 3)



d1351540

Note

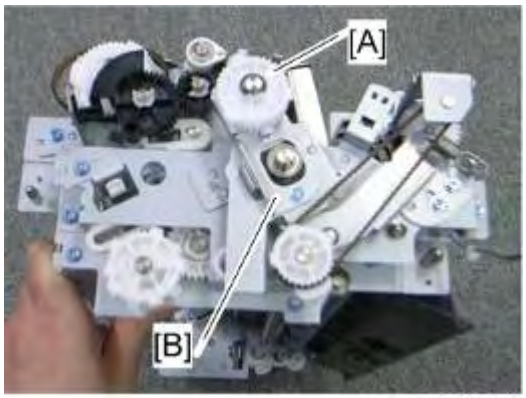
- Reinstalling the bypass entrance paper sensor:
- Put the harness of the bypass entrance paper sensor through the hole [A] in the rear frame of the drawer.



d1351541

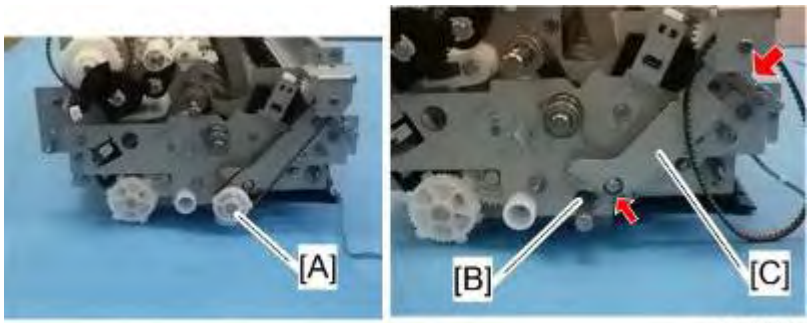
1.3.33 FIRST/ SECOND/ THIRD FOLD ROLLER

1. First fold unit (☛page 41)
2. First fold roller gear [A] (ℂ x 1, pin x 1, spacer x 1)
3. Pressure release bracket [B]



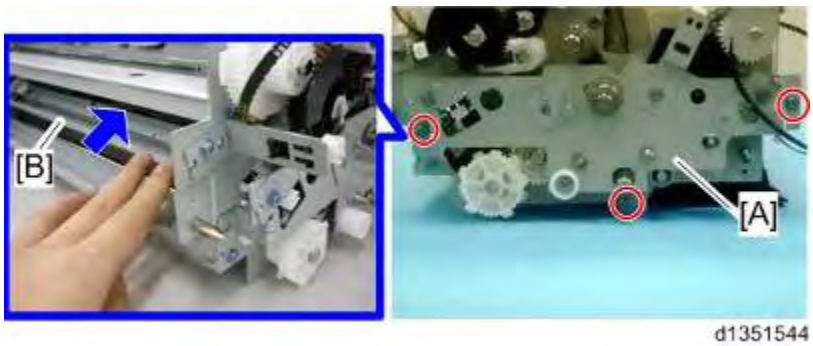
d1351542

4. Rear cam gear [A] (ℂ x 1, timing belt x 1)
5. Bushing [B] (ℂ x 1)
6. Rear tension bracket [C] (spring x 1, ℂx 1)



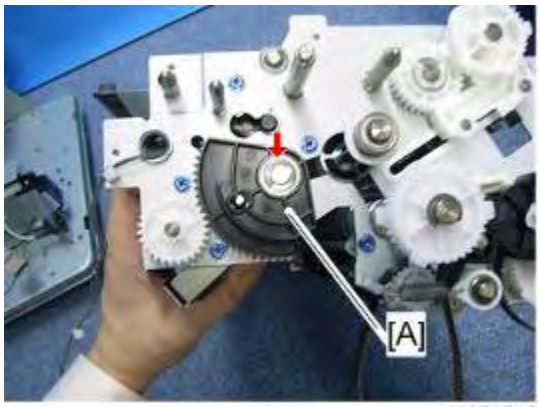
d1351543

7. Rear bracket [A] (ℂ x 3)
8. When removing the rear bracket, slide the fold assist plate [B] in the arrow direction.



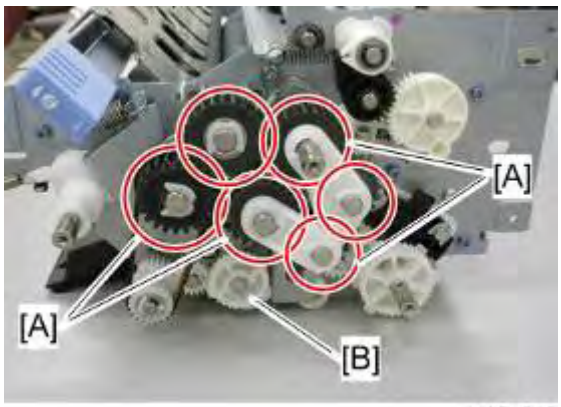
d1351544

9. Remove the gear [A] (ℂ x 1)



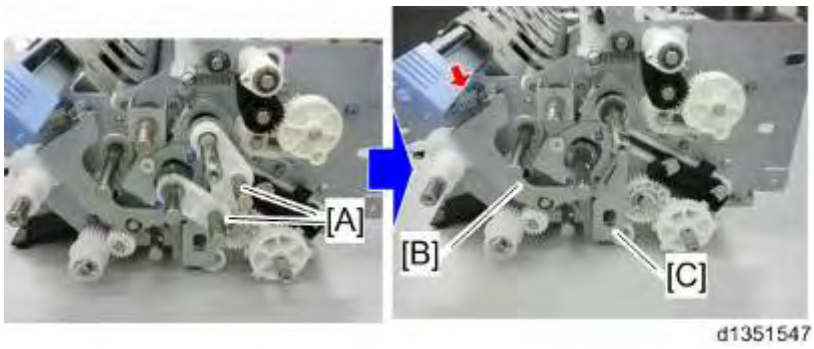
d1351546

10. Remove six gears (clip x 1 each, pin x 1 each for four gears [A]).
11. Cam gear [B] (x 1, pin x 1)



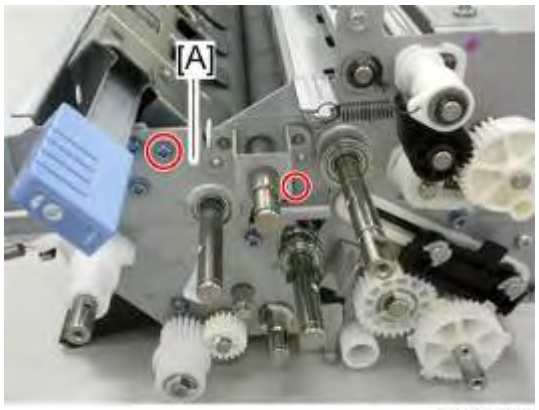
d1351545

12. Remove the gear links [A].
13. Front tension bracket [B] (spring x 1, x 1)
14. Frond shaft holder bracket [C] (x 1, bushing x 1, spacer x 1)



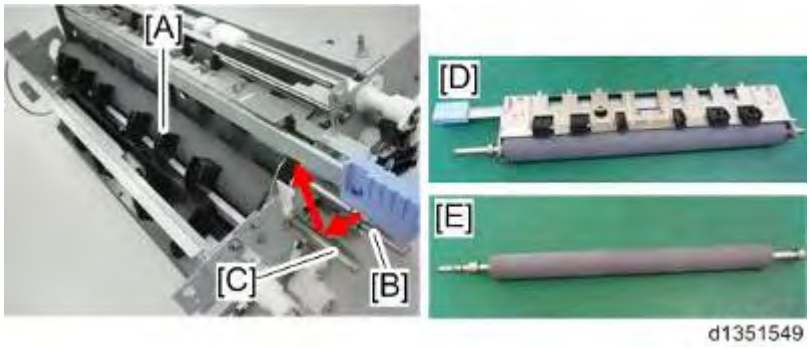
d1351547

15. Front bracket [A] (x 2)



d1351548

16. Third fold roller [A] with the guide plate and direct send junction gate [B].
17. Second fold roller [C]

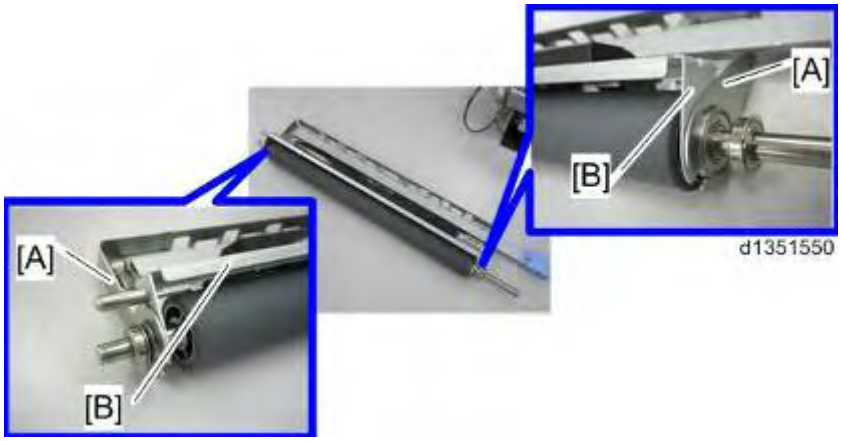


d1351549

- [D]: Third fold roller with the guide plate and direct send junction gate
- [E]: Second fold roller

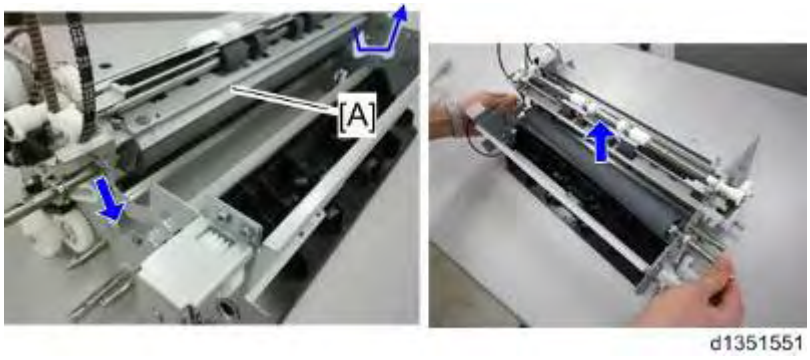
Note

- When assembling the third fold roller with direct send junction gate and guide plate, install the guide plate [A] and direct send junction gate [B] in the third fold roller unit as shown below. (The arms of the guide plate should be placed on the outer side of the arms of the direct send junction gate.)



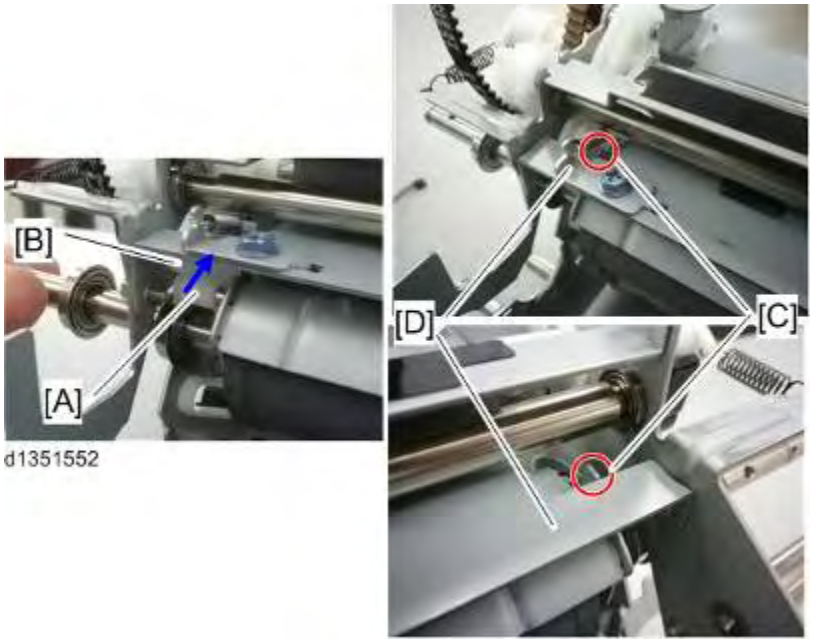
d1351550

18. First fold roller with roller bracket [A]

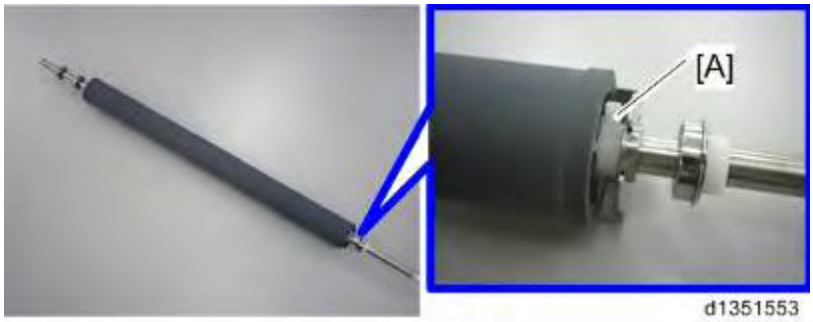


Note

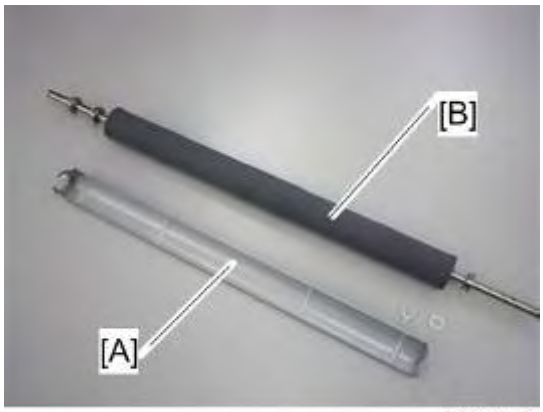
- When reinstalling the first fold roller, insert the white pivot [A] in the rail [B].
- Make sure that two projections [C] hook the stay bracket [D].



19. Roller stopper [A]



20. Roller bracket [A]
21. First fold roller [B] (spacer x 1)



d1351554

1.3.34 WHEN REINSTALLING THE FIRST, SECOND AND THIRD FOLD ROLLERS

The rear cam gear (removed in step 11) must be adjusted when reinstalling the first, second and third fold rollers. Do the following procedure.

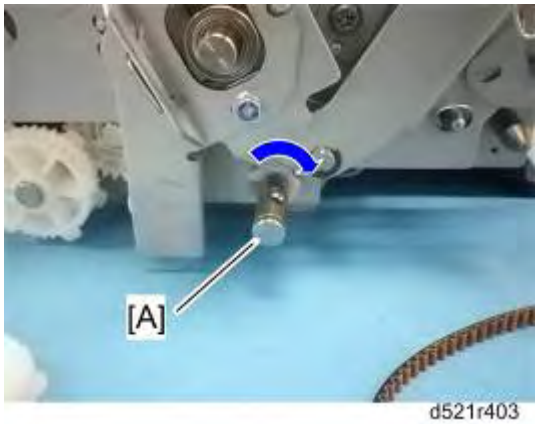
1. Remove the rear gear holder [A] (x 2).

d521r407

2. Turn the direct send junction gate gear [A] to the left until the direct send junction gate gear stops at the edge [B] of the frame.

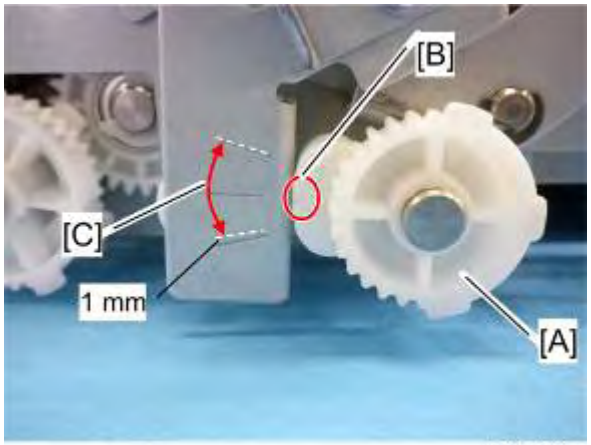
d521r402

3. Turn the cam gear shaft [A] clockwise until the cam gear shaft is stopped.



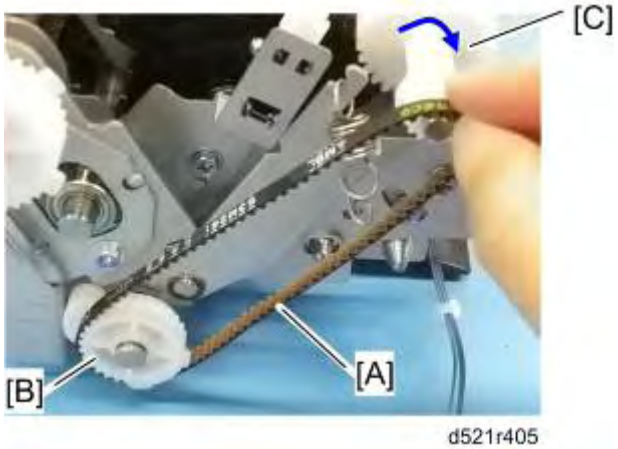
d521r403

4. Set the rear cam gear [A] (with its pin) on the cam gear shaft.
   - Make sure that the notch [B] in the rear cam gear is positioned within the proper range [C]. The lowest position is 1 mm above the lowest of the three lines.



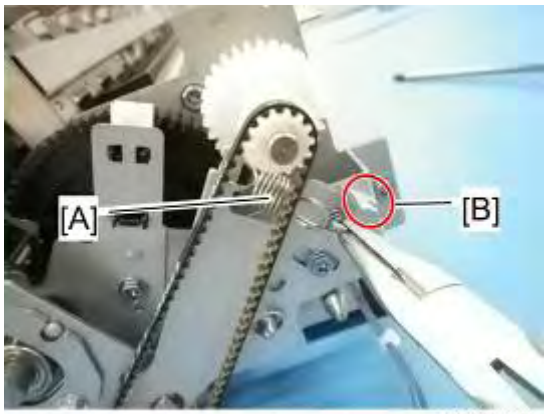
d521r404

5. Hook the timing belt [A] over the rear cam gear [B] first, and then hook the timing belt over the idle gear [C] while rotating the idle gear clockwise.



d521r405

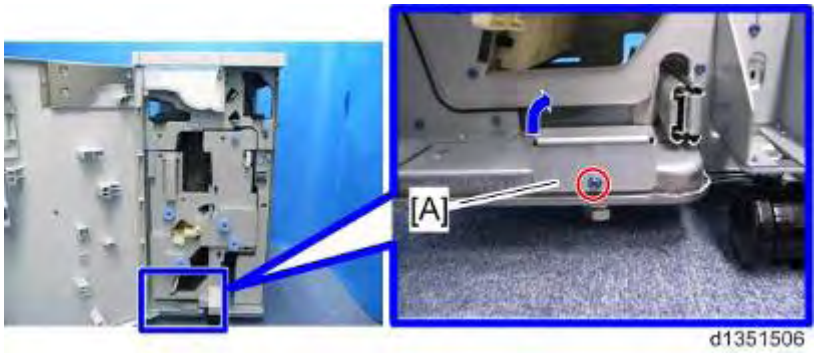
6. Check if the notch position of the rear cam gear is positioned within the proper range again.
7. Attach the rear cam gear (x 1).
8. Attach the rear idle gear holder (x 2).
9. Hook the tension spring [A] onto the notch [B].



d521r406

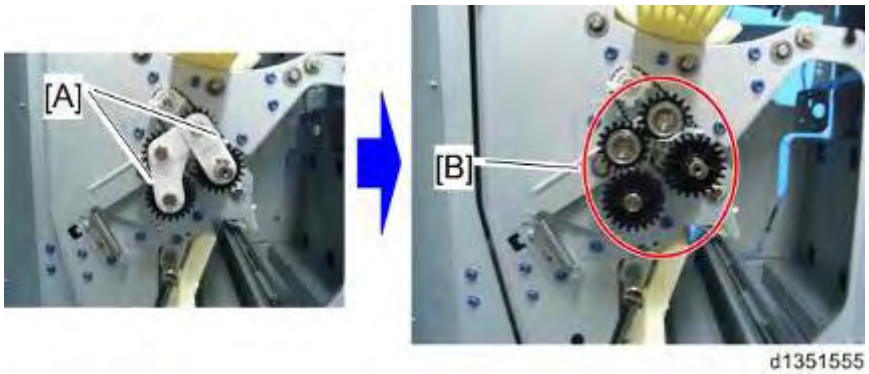
1.3.35 FOURTH / FIFTH FOLD ROLLER

1. Rear upper cover (☛page 4)
2. Rear lower cover (☛page 4)
3. Drawer stopper [A] (x 1)



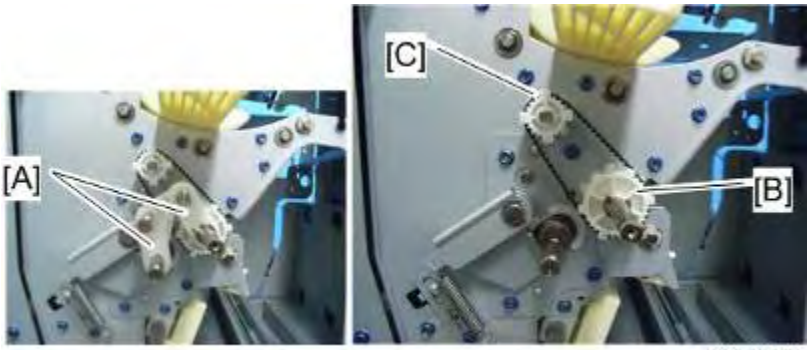
d1351506

4. Remove the links [A] on the front side.
5. Remove four gears [B]. (x 1)



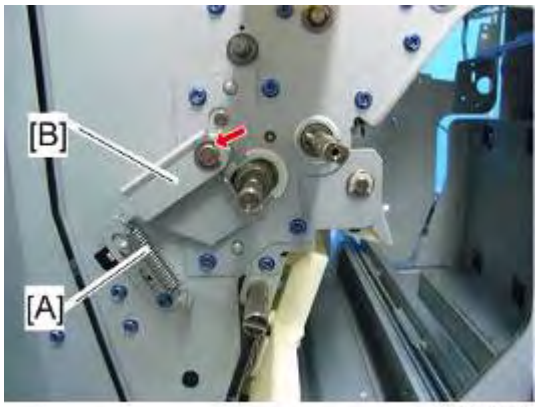
d1351555

6. Remove the links [A] (pin x 1 each)
7. Remove the gear [B] (x 1), and the gear [C] (timing belt x 1).



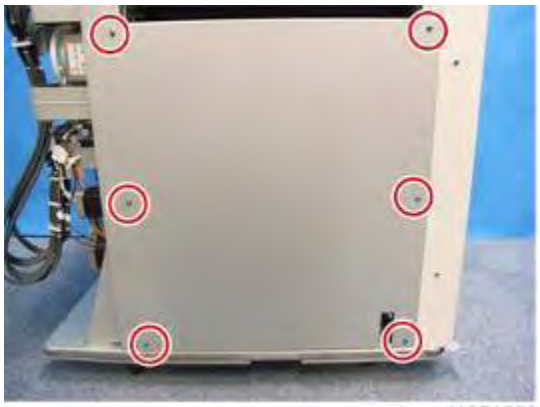
d1351556

8. Remove the spring [A] and the tension bracket [B] (spring x 1, C x 1).

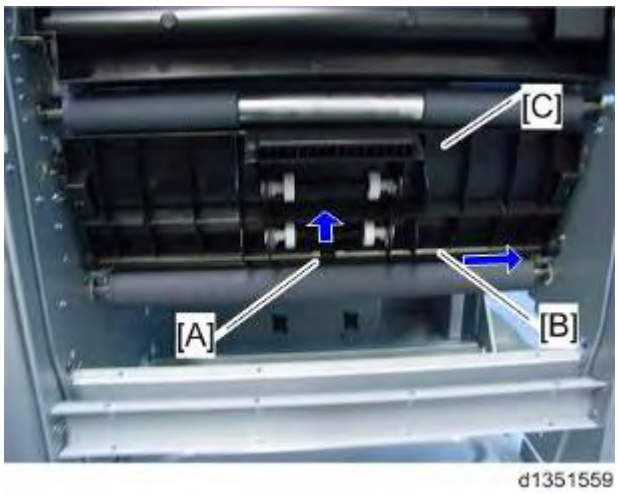


d1351557

9. Left lower bracket (x 6)


d1351558

10. Lift up the hook [A] to release the guide plate shaft [B].
11. Move the guide plate shaft [B] to the front (arrow direction), and then remove the guide plate [C].

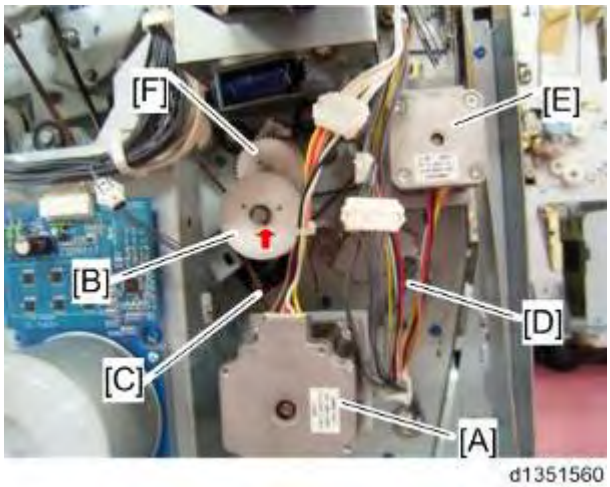


d1351559

12. Remove the cam [A] on the front.
13. Fold roller fixing front plate [B] (x 3)

d1351561

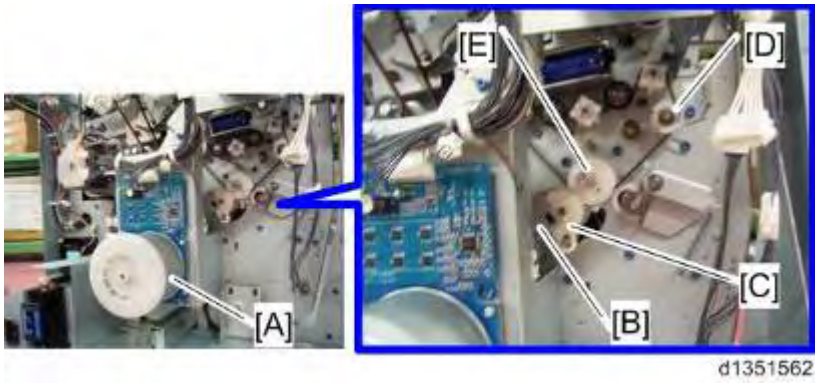
14. 2nd fold motor [A] (☛page 22)
15. 2nd fold pulley gear [B] (x 1) and idle gear
16. Timing belt [C]
17. Spring [D]
18. FM6 pawl motor [E] (☛page 21)
19. Pulley gear [F]



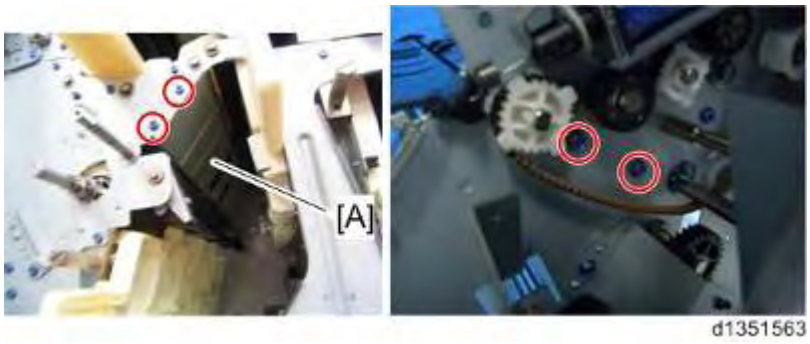
d1351560

20. 1st fold motor [A] (☛page 20)

21. FM6 pawl HP sensor bracket [B]
22. FM6 pawl cam gear [C]
23. Release the tension bracket [D], and then remove the transmission pulley gear [E] (pin x 1)



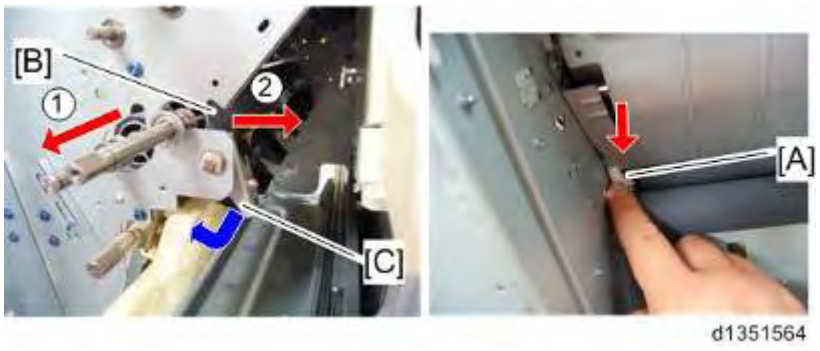
24. Remove the entrance guide plate [A] at the 2nd fold unit (x 4).



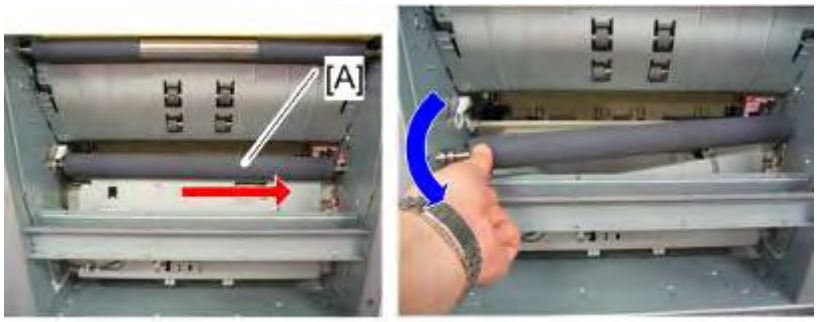
25. Hold the fourth fold roller cam [A] at the rear of the drawer unit.
26. Pull the fourth fold roller [B] to the front ①.
27. Keep the FM6 pawl [C] open, and then remove the fourth fold roller ②.

Note

- Hold the holder [A] when pulling the fourth fold roller [B] in the ① direction.

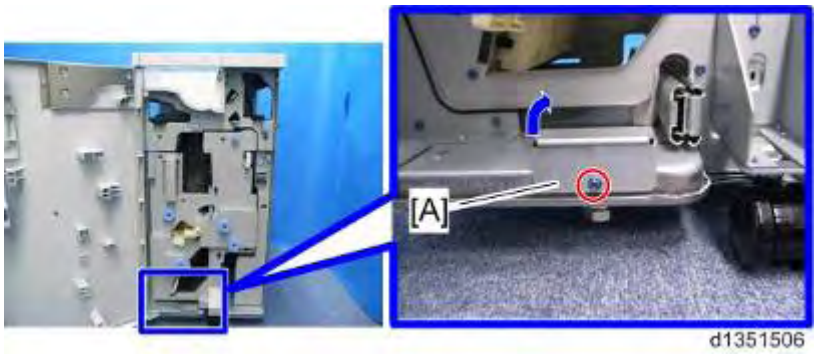


28. Remove the fifth fold roller [A].

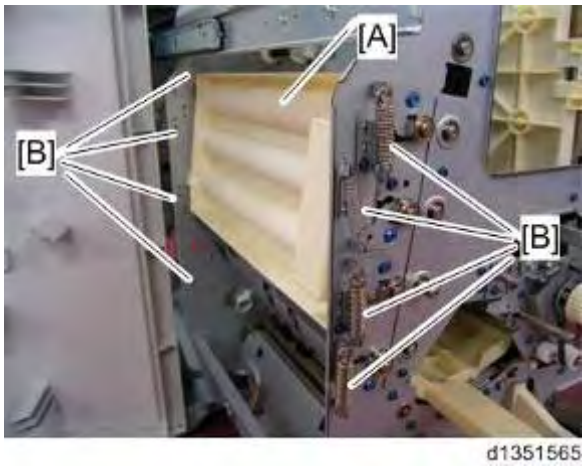


1.3.36 CREASE ROLLERS: IDLE ROLLERS

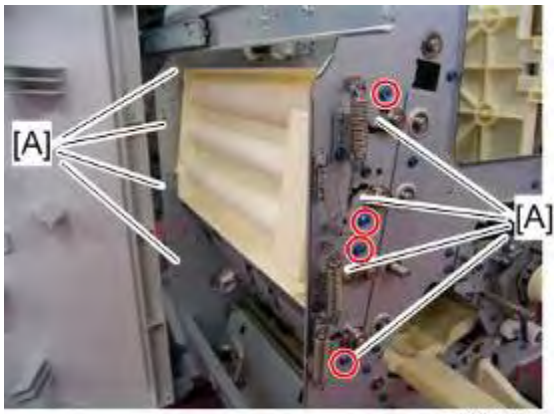
1. Folding Unit Cover (☛page 3)
2. Drawer stopper [A]



3. Pull out the folding unit drawer fully (☛page 6 "Pulling Out the Folding Unit Drawer").
4. Crease jam removal door [A]
5. Tension springs [B] (front: 4, rear: 4)
   - The lowest spring should be a black one when reinstalling the springs.



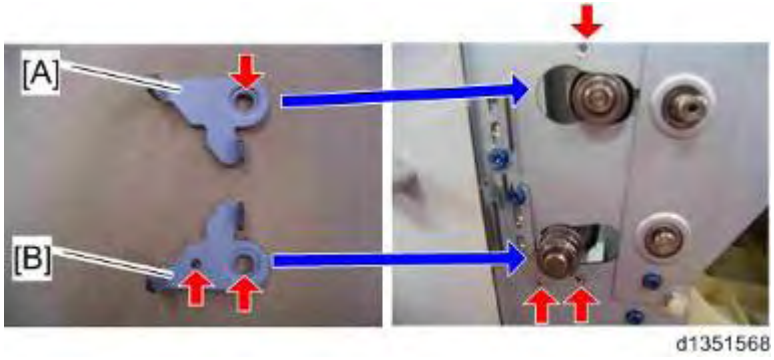
6. Tension brackets [A] (🔩 x 1 each/ front: 4, rear: 4)



d1351567

Note

- There are two types of tension brackets at the crease roller area. The difference between these brackets is the number of screw holes ([A]: one hole, [B]: two holes).
- Attach a bracket [A] with one hole to the crease roller frame with one hole.
- Attach a bracket [B] with two holes to the crease roller frame with two holes.

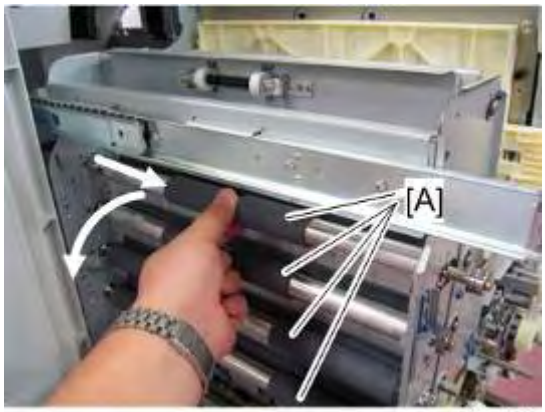


d1351568

7. Magnet attachment bracket [A] (x 1)

d1351569

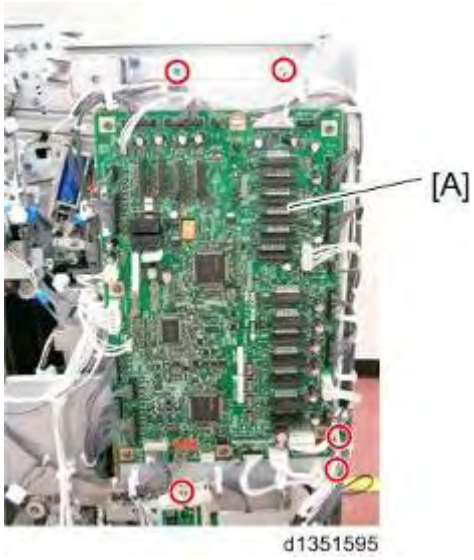
8. Crease rollers: idle rollers [A]



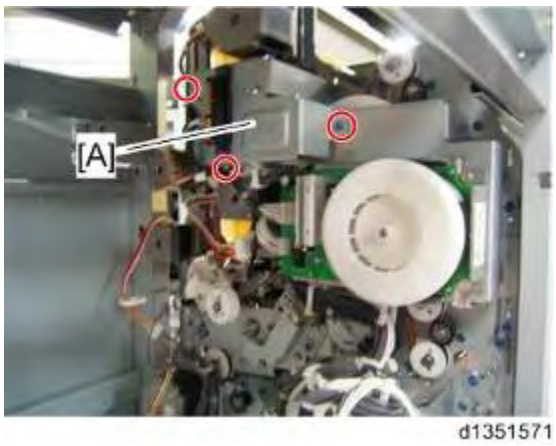
d1351570

1.3.37 CREASE ROLLERS: DRIVE ROLLERS

1. Crease Rollers: Idle Rollers (☛page 59)
2. Rear upper cover (☛page 4)
3. Rear lower cover (☛page 4)
4. Main board bracket [A] (x all, x all, x 5, ground cable x 1)



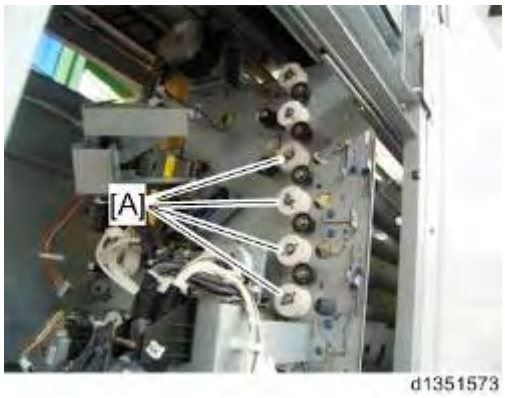
5. Rear upper stay (☛page 12 "Dynamic Roller Lift Motor")
6. Drawer connector bracket [A] (x 3)



7. Crease motor (☛page 14)
8. Crease path guide plate [A] (x 5)

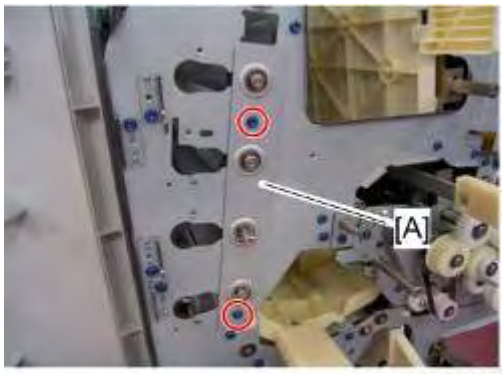
d1351572

9. Crease roller pulley gears [A] (C x 1 each)



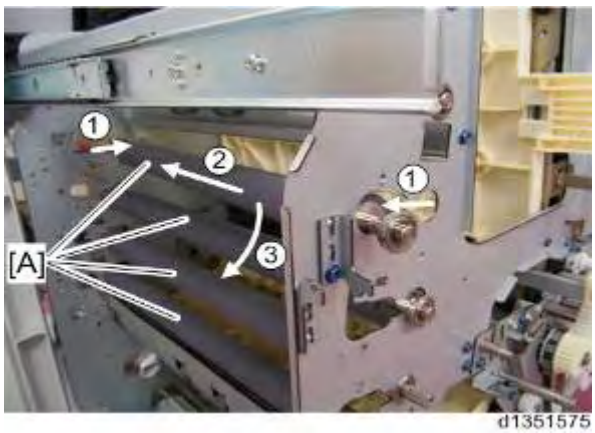
d1351573

10. Crease roller fixing plate [A] (F x 2)



d1351574

11. Crease rollers: drive rollers [A]

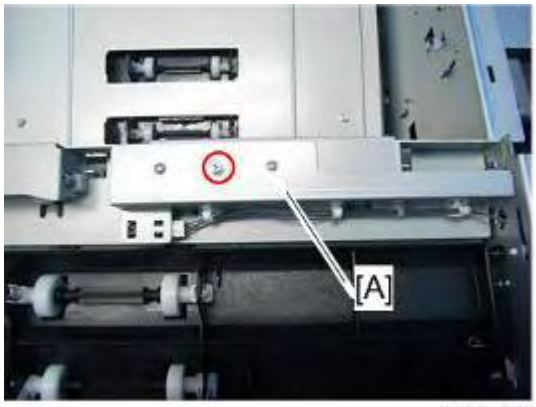


d1351575

1.4 PAPER EXIT

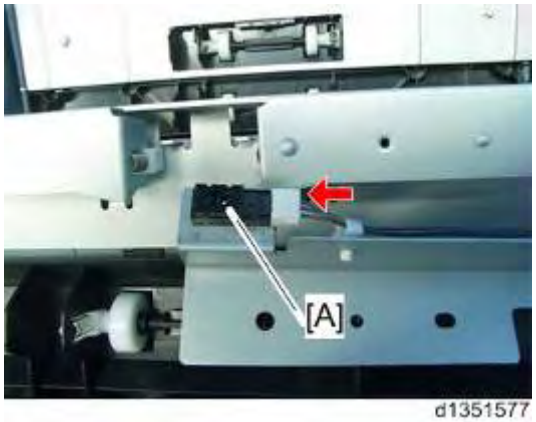
1.4.1 TOP TRAY EXIT SENSOR

1. Top cover (☛page 2)
2. Top tray exit sensor bracket [A] (x 1)



d1351576

3. Top tray exit sensor [A] (x 1, hook x 3)



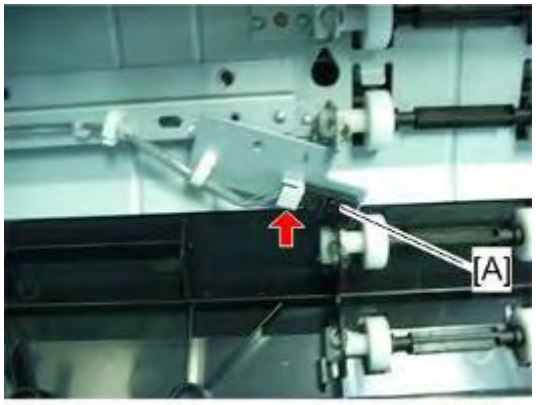
d1351577

1.4.2 TOP TRAY PAPER PATH SENSOR

1. Top tray right cover (☛page 6)
2. Top tray paper path sensor bracket [A] (x 1)

d1351578

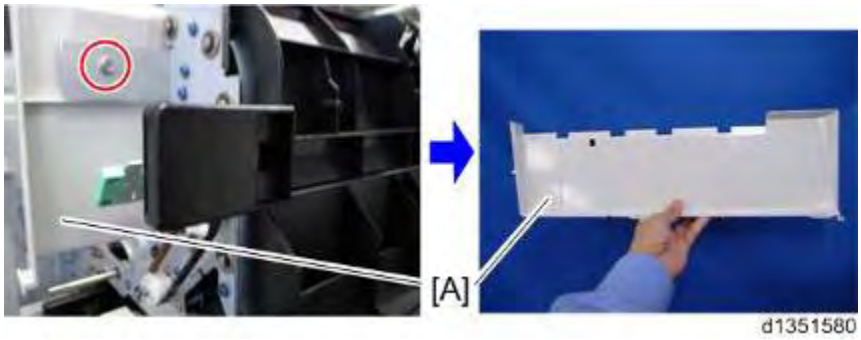
3. Top tray paper path sensor [A] (x 1, hook x 3)



d1351579

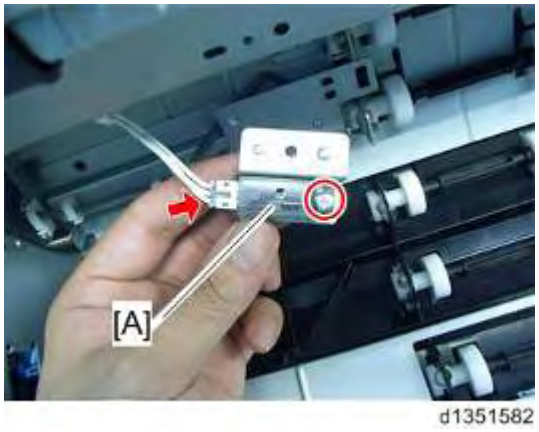
1.4.3 TOP TRAY FULL SENSOR (E)

1. Top tray (☛page 5)
2. Paper exit cover [A] (x 1)



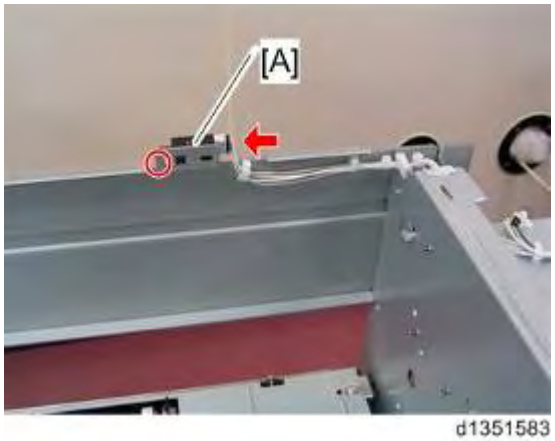
3. Top tray full sensor (E) bracket (x 1)

4. Top tray full sensor (E) [A] (x 1, x 1, hook x 3)



1.4.4 TOP TRAY FULL SENSOR (R)

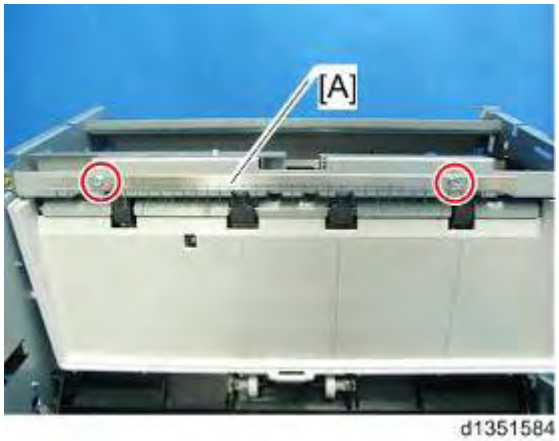
1. Top tray (☛page 5)
2. Top tray full sensor (R) [A] (x 1, x 1, hook x 3)



d1351583

1.4.5 DISCHARGE BRUSH 1

1. Top tray (☛page 5)
2. Discharge brush 1 [A] (x 2)

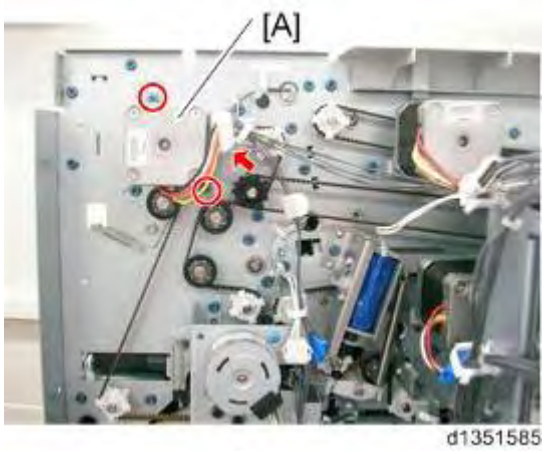


d1351584

1.5 DRIVE AREA

1.5.1 HORIZONTAL TRANSPORT MOTOR

1. Rear upper cover (☛page 4)
2. Top rear cover (☛page 5)
3. Horizontal transport motor bracket [A] (x 1, x 2)



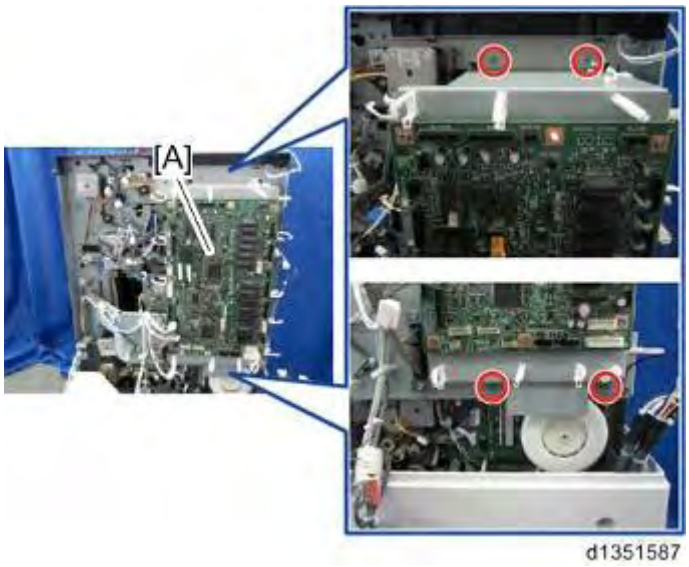
d1351585

4. Horizontal transport motor [A] (x 2)

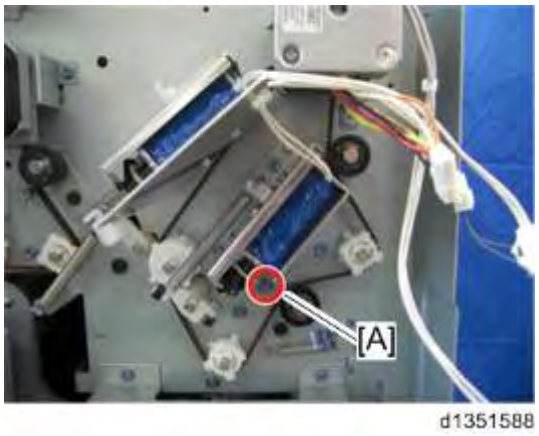
d1351586

1.5.2 HORIZONTAL TRANSPORT EXIT MOTOR

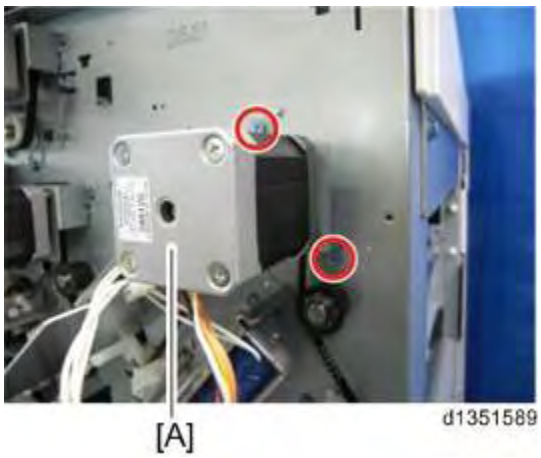
1. Rear upper cover (☛page 4)
2. Top rear cover (☛page 5)
3. Main board with bracket [A] (x 4, x all)



4. Loosen the screw [A] to loosen the timing belt.



5. Horizontal transport motor bracket [A] (x2)

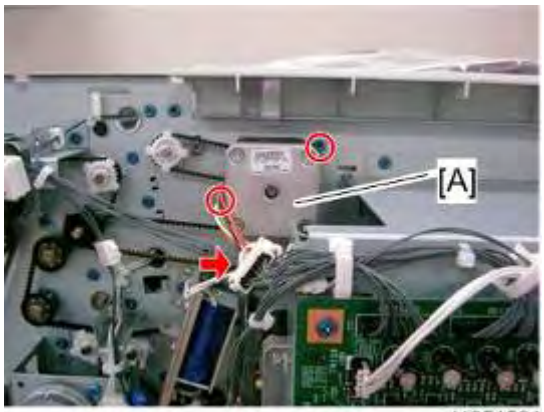


6. Horizontal transport motor [A] (x2)

d1351590

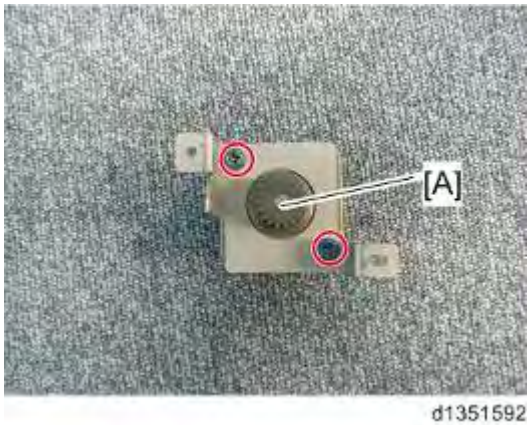
1.5.3 TOP TRAY EXIT MOTOR

1. Rear upper cover (☛page 4)
2. Top rear cover (☛page 5)
3. Top tray exit motor bracket [A] (x 1, x 1, x 2)



d1351591

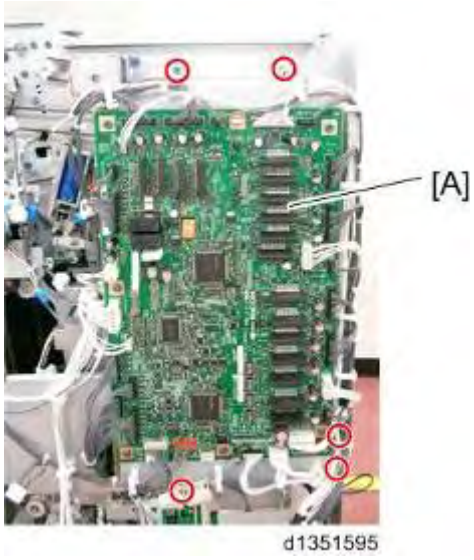
4. Top tray exit motor [A] (x 2)



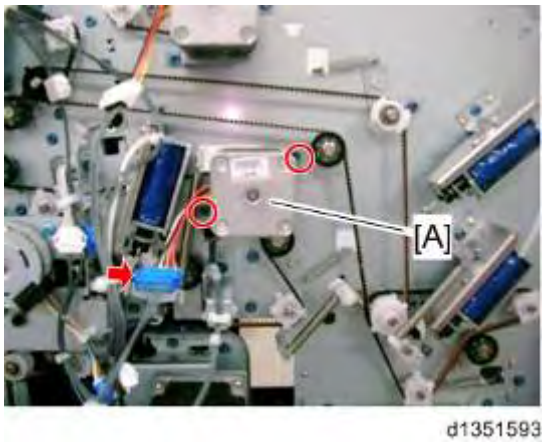
d1351592

1.5.4 TOP TRAY TRANSPORT MOTOR

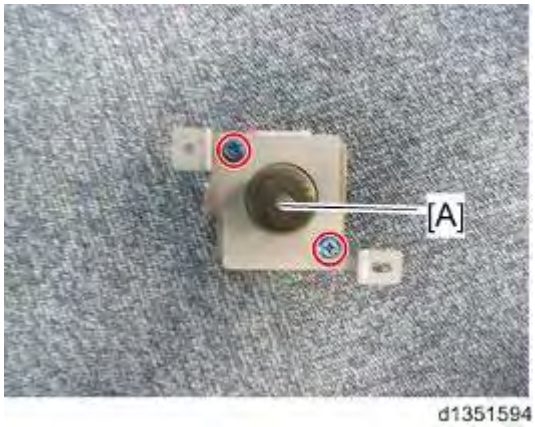
1. Rear upper cover (☛page 4)
2. Top rear cover (☛page 5)
3. Main board bracket [A] (x all, x all, x 5, ground cable x 1)



4. Top tray transport motor bracket [A] (x 1, x 2)



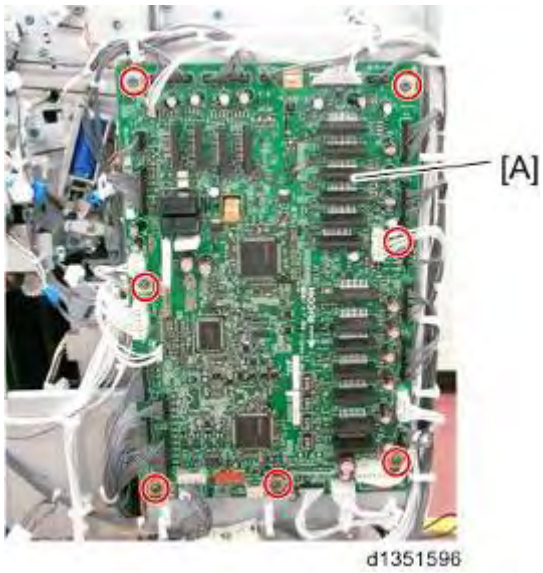
5. Top tray transport motor [A] (x 2)



1.6 ELECTRICAL COMPONENTS

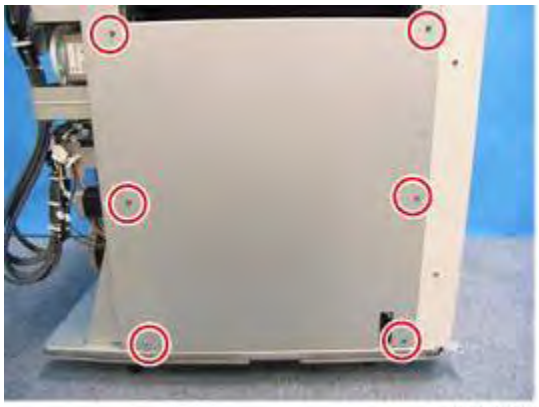
1.6.1 MAIN BOARD

1. Rear upper cover (Rear Upper Cover)
1. Main board [A] (x all, x 7)



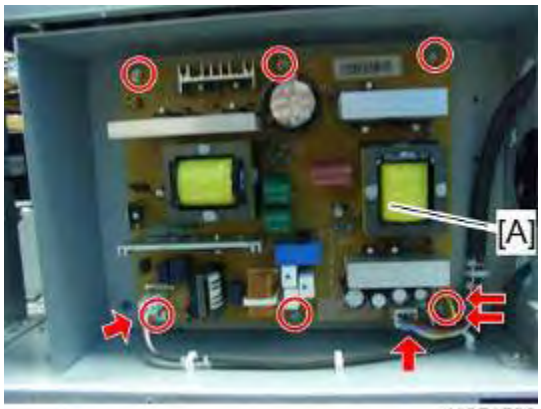
1.6.2 PSU

1. Left lower bracket (x 6)



d1351597

2. PSU [A] (x 6, x 4)



d1351598

1.7 FOLD ADJUSTMENTS

1.7.1 BEFORE YOU BEGIN

The fold positions can be adjusted in the User Tools (Operators and Skilled Operators), the engine SP mode and Advanced Settings.

- Administrator Log-in is required to adjust Advanced Settings.
- Advanced Settings is enabled only for Custom Paper.
- Advanced Settings should be specified for each Custom Paper Profile.

Advanced Settings

Mode	Fold	Advanced Settings*[1]	SP
FM1	1st	87 Adjust Z-fold Position 1	-
	2nd	88 Adjust Z-fold Position 2	-
FM2	1st	89 Half Fold Position: Single-sheet Fold	-
FM3	1st	90 Letter Fold-out Posn 1: Single-sheet Fld	-
	2nd	91 Letter Fold-out Posn 2: Single-sheet Fld	-
FM4	1st	92 Letter Fold-in Posn 1: Single-sheet Fold	-
	2nd	93 Letter Fold-in Posn 2: Single-sheet Fold	-
FM5	1st	94 Double Parallel Fold Position 1	-
	2nd	95 Double Parallel Fold Position 2	-
FM6	1st	96 Adjust Gate Fold Position 1	-
	2nd	97 Adjust Gate Fold Position 2	-
	3rd	98 Adjust Gate Fold Position 3	-

*[1]: These numbers are the same for the advanced settings of Administrator. These settings can be adjusted for each paper profile.

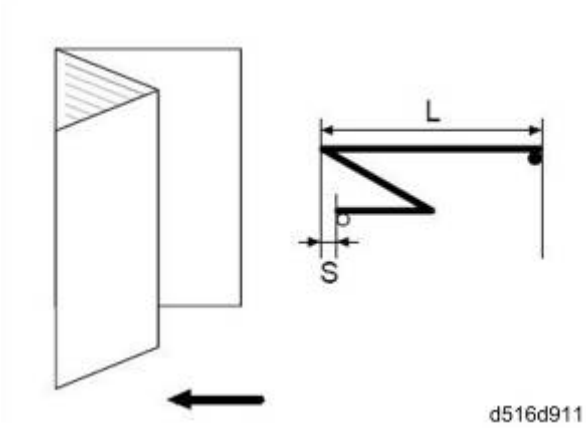
Adjustment Settings for Skilled Operators and Engine SP modes

Mode	Fold	User Tools	SP
FM2	1st	0601 Half Fold Position (Multi-sheet Fold)	6-314-021 to -039
FM3	1st	0602 Letter Fold-out Position 1 (Multi-sheet Fold)	6-315-022 to -039
	2nd	0603 Letter Fold-out Position 2 (Multi-sheet Fold)	6-316-022 to -039
FM4	1st	0604 Letter Fold-in Position 1 (Multi-sheet Fold)	6-317-021 to -039
	2nd	0605 Letter Fold-in Position 2 (Multi-sheet Fold)	6-318-021 to -039

1.7.2 FM1 Z-FOLDING

87: Adjust Z-fold Position 1

Adjust the width of the bottom end segment (S) of Z-folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All sizes	S	0 mm	-4 to 4 mm
Pitch Adj.	**0.2 mm**		

88: Adjust Z-fold Position 2

Adjust the overall fold size (L) of Z-folded sheets when using the multi-folding unit. Press [+] to increase and [-] to reduce (L).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

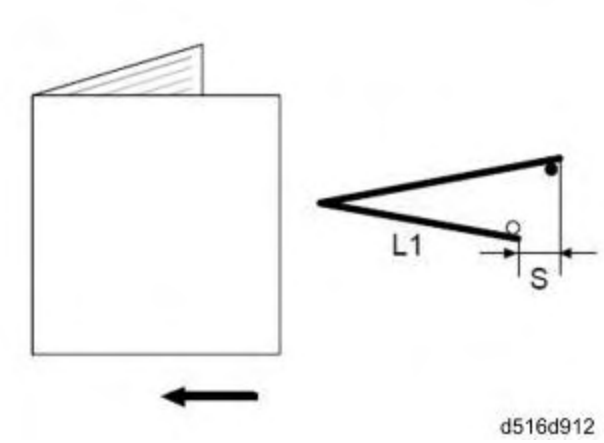
Size	Setting	Default	Range
All sizes	L	0 mm	-4 to 4 mm
Pitch Adj.	**0.2 mm**		

1.7.3 FM2 HALF FOLD: SINGLE-SHEET FOLD AND MULTI-SHEET FOLD

89: Half Fold Position: Single-sheet Fold

Adjust the fold position (S) of half folded sheets when using the multi-folding unit.

This setting will not be applied when the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S).

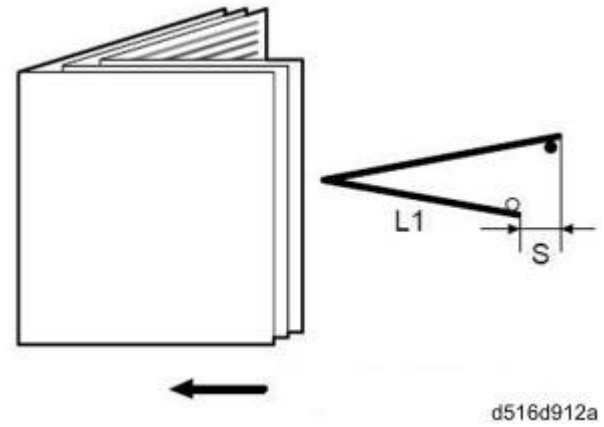
The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All sizes	L1	0 mm	-4 to 4 mm
Pitch Adj.	**0.2 mm**		

0601: Half Fold Position (Multi-sheet Fold)/ SP6-314-021 to -039

Adjust the folded position (S) of half folded sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

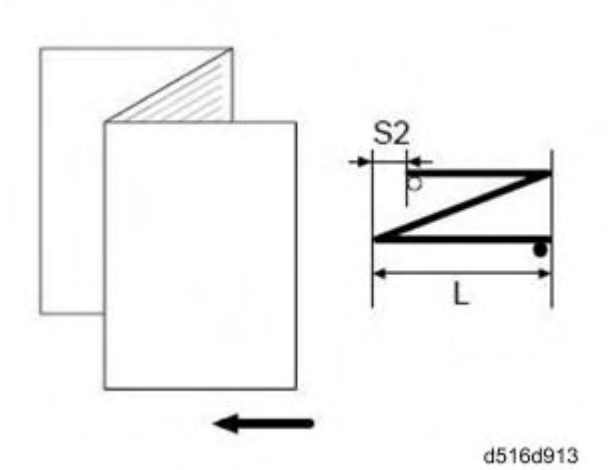
Size	Setting	Default	Range	SP
A3 SEF	S	0 mm	±4 mm	6-314-021
B4 SEF	S	0 mm	±4 mm	6-314-022
A4 SEF	S	0 mm	±4 mm	6-314-023
B5 SEF	S	0 mm	±4 mm	6-314-029
12”x18” SEF	S	0 mm	±4 mm	6-314-027
11”x17” SEF (DLT SEF)	S	0 mm	±4 mm	6-314-024
$8^1/_2$"x14" SEF (LG SEF)	S	0 mm	±4 mm	6-314-025
$8^1/_2$"x11" SEF (LT SEF)	S	0 mm	±4 mm	6-314-026
8K (8-Kai)	S	0 mm	±4 mm	6-314-028
Other (Custom)	S	0 mm	±4 mm	6-314-039
Pitch Adj.	**0.2 mm**			

1.7.4 FM3 LETTER FOLD-OUT: SINGLE-SHEET FOLD AND MULTI-SHEET FOLD

90: Letter Fold-out Posn 1: Single-sheet Fld

Adjust the fold position for the bottom segment (S2) of letter fold-out sheets when using the multi-folding unit.

This setting will not be applied when the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S2).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Sizes	S2	0 mm	±4 mm*1
Pitch Adj.	**0.2 mm**		

*1: B5 (SEF) is ±3 mm

91: Letter Fold-out Posn 2: Single-sheet Fld

Adjust the overall fold size (L) of letter fold-out sheets when using the multi-folding unit.

This setting will not be applied when the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

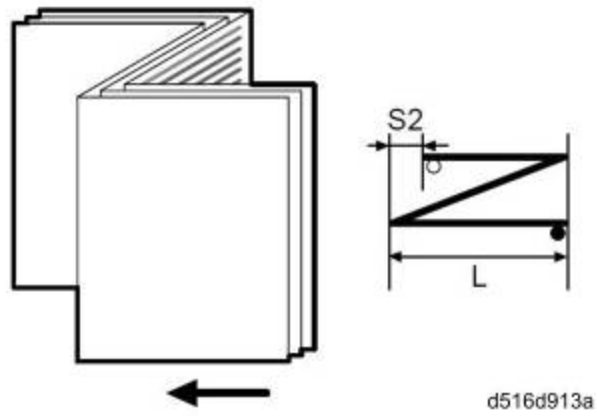
Size	Setting	Default	Range
All Sizes	L	0 mm	±4 mm*1
Pitch Adj.	**0.2 mm**		

*1: B5 (SEF) is ±3 mm

0602: Letter Fold-out Position 1 (Multi-sheet Fold)/ SP6-315-022 to -039

Adjust the fold position for the bottom segment (S2) of letters fold-out sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S2).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range	SP
B4 SEF	S2	0 mm	±4 mm	6-315-022
A4 SEF	S2	0 mm	±4 mm	6-315-023
B5 SEF	S2	0 mm	±3 mm	6-315-029
8 1/2"x14" SEF (LG SEF)	S2	0 mm	±4 mm	6-315-025
8 1/2"x11" SEF (LT SEF)	S2	0 mm	±4 mm	6-315-026
Other (Custom)	S2	0 mm	±4 mm	6-315-039

Size	Setting	Default	Range	SP
Pitch Adj.	**0.2 mm**			

0603: Letter Fold-out Position 2 (Multi-sheet Fold)/ SP6-316-022 to -039

Adjust the overall fold size (L) of letters fold-out sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

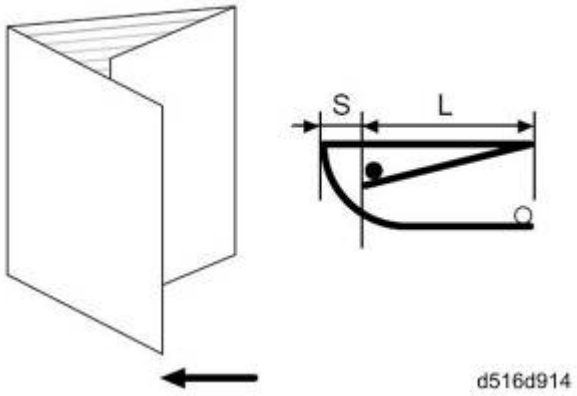
Size	Setting	Default	Range	SP
B4 SEF	L	0 mm	±4 mm	6-316-022
A4 SEF	L	0 mm	±4 mm	6-316-023
B5 SEF	L	0 mm	±3 mm	6-316-029
$8^1/_2$"x14" SEF (LG SEF)	L	0 mm	±4 mm	6-316-025
$8^1/_2$"x11" SEF (LT SEF)	L	0 mm	±4 mm	6-316-026
Other (Custom)	L	0 mm	±4 mm	6-316-039
Pitch Adj.	**0.2 mm**			

1.7.5 FM4 LETTER FOLD-IN: SINGLE-SHEET FOLD AND MULTI-SHEET FOLD

92: Letter Fold-in Posn 1: Single-sheet Fold

Adjust the fold position of the bottom segment (S) of letter fold-in sheets when using the multi-folding unit.

This setting will not be applied when the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Sizes	S	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

93: Letter Fold-in Posn 2: Single-sheet Fold

Adjust the overall fold size (L) of letter fold-in sheets when using the multi-folding unit.

This setting will not be applied when the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

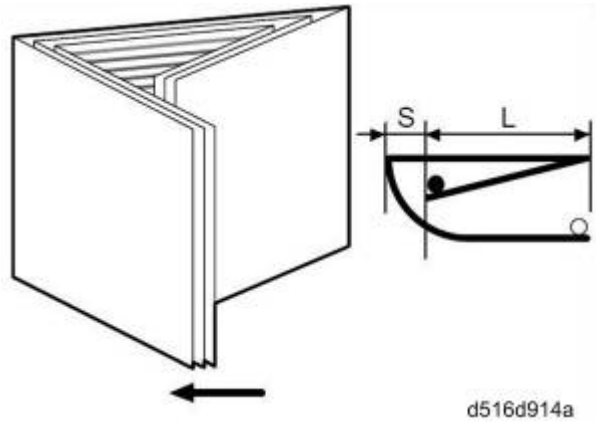
The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Supported Sizes	L	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

0604: Letter Fold-in Position 1 (Multi-sheet Fold)/ SP6-317-021 to -039

Adjust the fold position of the bottom segment (S) of letters fold-in sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.



Press [+] to increase and [-] to reduce (S).

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range	SP
A3 SEF	S	0 mm	±4 mm	6-317-021
B4 SEF	S	0 mm	±4 mm	6-317-022
A4 SEF	S	0 mm	±4 mm	6-317-023
B5 SEF	S	0 mm	±4 mm	6-317-029
12”x18” SEF	S	0 mm	±4 mm	6-317-027
11”x17” SEF (DLT SEF)	S	0 mm	±4 mm	6-317-024
$8^1/_2$"x14" SEF (LG SEF)	S	0 mm	±4 mm	6-317-025

Size	Setting	Default	Range	SP
8 1/2"x11" SEF (LT SEF)	S	0 mm	±4 mm	6-317-026
8K (8-Kai)	S	0 mm	±4 mm	6-317-028
Other (Custom)	S	0 mm	±4 mm	6-317-039
Pitch Adj.	**0.2 mm**			

0605: Letter Fold-in Position 2 (Multi-sheet Fold)/ SP6-318-021 to -039

Adjust the fold position (L) of letters fold-in sheets when using the multi-folding unit.

This setting will be applied if the multi-sheet fold function is enabled.

Press [+] to increase and [-] to reduce (L).

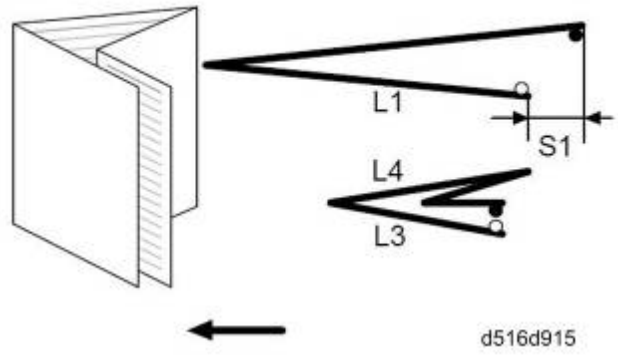
The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range	SP
A3 SEF	L	0 mm	±4 mm	6-318-021
B4 SEF	L	0 mm	±4 mm	6-318-022
A4 SEF	L	0 mm	±4 mm	6-318-023
B5 SEF	L	0 mm	±4 mm	6-318-029
12”x18” SEF	L	0 mm	±4 mm	6-318-027
11”x17” SEF (DLT SEF)	L	0 mm	±4 mm	6-318-024
8 1/2"x14" SEF (LG SEF)	L	0 mm	±4 mm	6-318-025
8 1/2"x11" SEF (LT SEF)	L	0 mm	0 to 4 mm	6-318-026
8K (8-Kai)	L	0 mm	±4 mm	6-318-028
Other (Custom)	L	0 mm	±4 mm	6-318-039
Pitch Adj.	**0.2 mm**			

1.7.6 FM5 DOUBLE PARALLEL FOLD

94: Double Parallel Fold Position 1

Adjust the fold position of the bottom segment 1 (S1) of double parallel-folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S1).

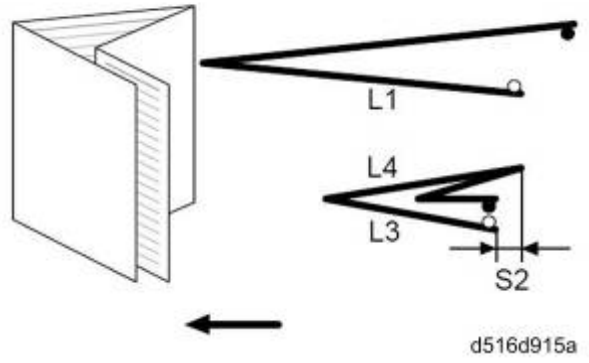
The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet.

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Supported Sizes	S1	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

95: Double Parallel Fold Position 2

Adjust the fold position of the bottom segment 2 (S2) of double parallel-folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S2).

The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet.

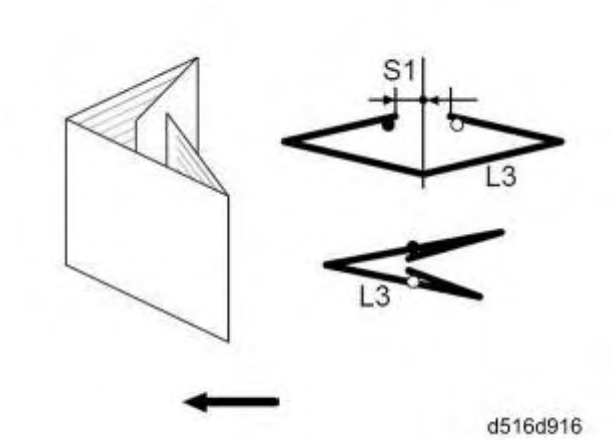
The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Supported Sizes	S2	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

1.7.7 FM6 GATE FOLD

96: Adjust Gate Fold Position 1

Adjust the fold width of the bottom segment 1 (S1) of gate folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S1).

The upper right illustration shows a partly opened, gate folded sheet, and the lower right illustration shows a fully folded sheet.

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

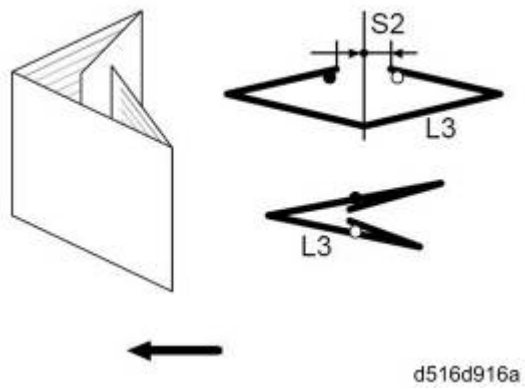
Size	Setting	Default	Range
All Supported Sizes	S1	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

Note

- You cannot specify this setting when using 12"x 18"L paper.

97: Adjust Gate Fold Position 2

Adjust the fold width of the bottom segment 2 (S2) of gate folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S2).

The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet.

The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

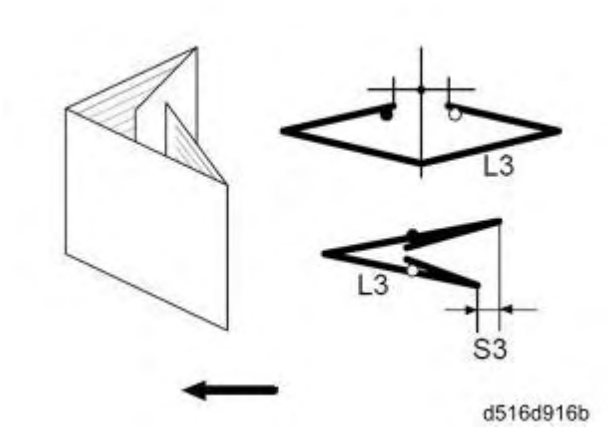
Size	Setting	Default	Range
All Supported Sizes	S2	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

Note

- You cannot specify this setting when using 12"x 18"L paper.

98: Adjust Gate Fold Position 3

Adjust the fold position of the bottom segment 3 (S3) of gate folded sheets when using the multi-folding unit.



Press [+] to increase and [-] to reduce (S3).

The upper right illustration shows a partly opened, double parallel-folded sheet (folded in half), and the lower right illustration shows a fully folded sheet.

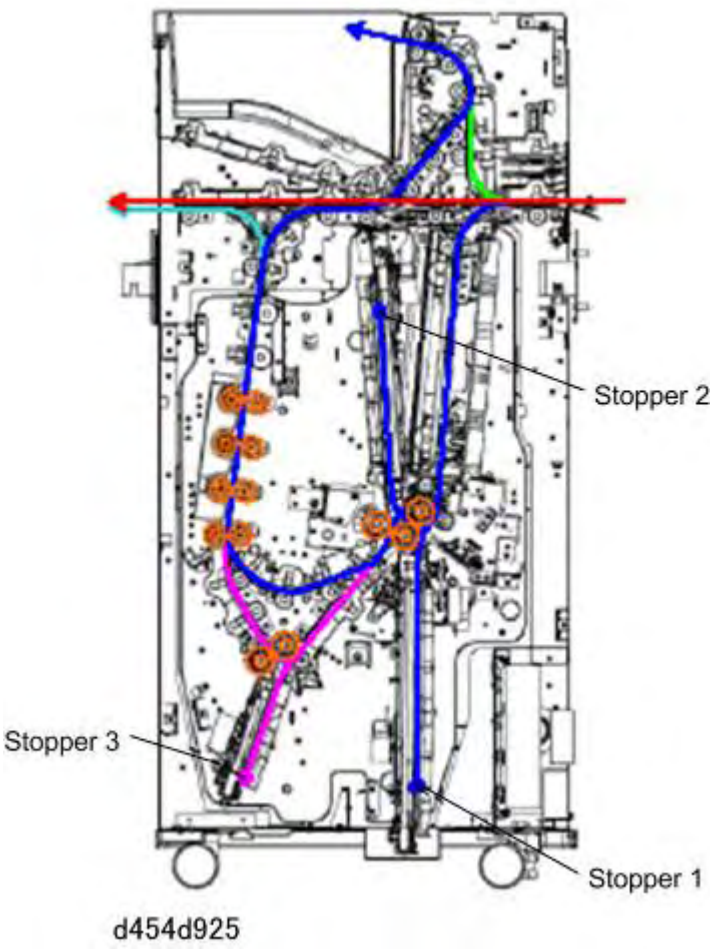
The mark ○ indicates the leading edge (relative to the paper feed direction), and the mark ● indicates the trailing edge.

Size	Setting	Default	Range
All Supported Sizes	S3	0 mm	±4 mm
Pitch Adj.	**0.2 mm**		

1.8 SKEW ADJUSTMENT

1.8.1 BEFORE YOU BEGIN

These adjustments can be done by the service technician adjusting the set and adjustment screws on the multi-folder unit.

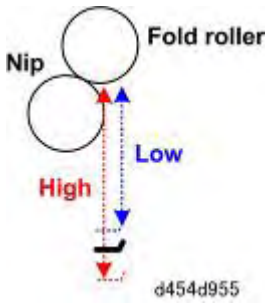


The illustration above shows the positions of the three stoppers inside the machine. The positioning of the stoppers is critical because this determines the types of folding.

1.8.2 FRONT AND REAR

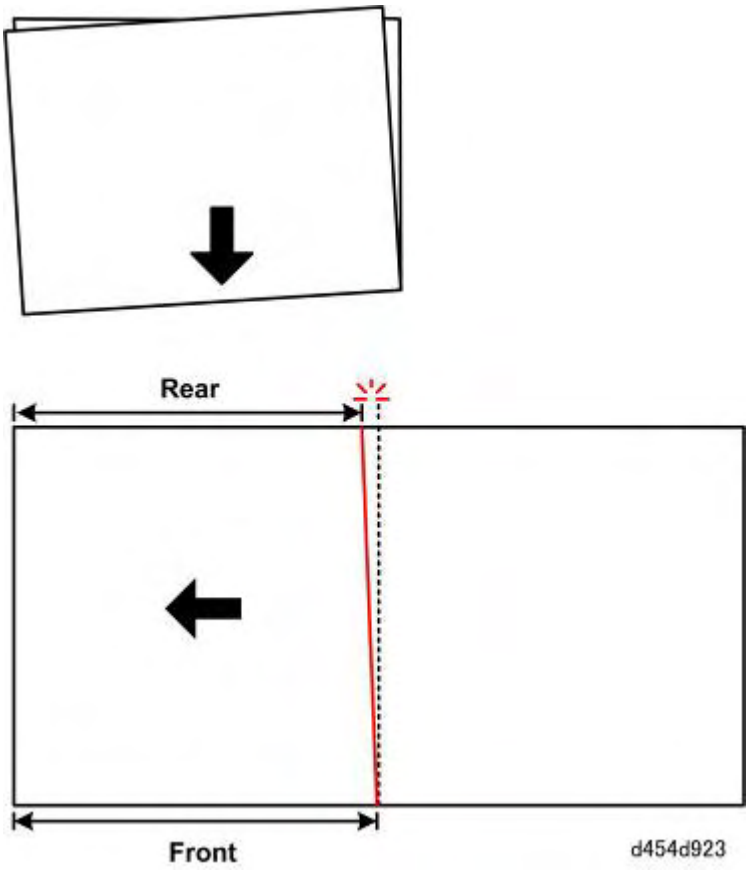
The terms "Front" and "Rear" are critical to understanding how paper is skewing during folding. These terms are defined relative to the positioning of the paper in the paper path as it feeds and exits.

- "High" means the distance from the nip of the fold roller to the stopper is too far on one end of the fence.
- "Low" means the distance from the nip of the fold roller to the stopper is too short.



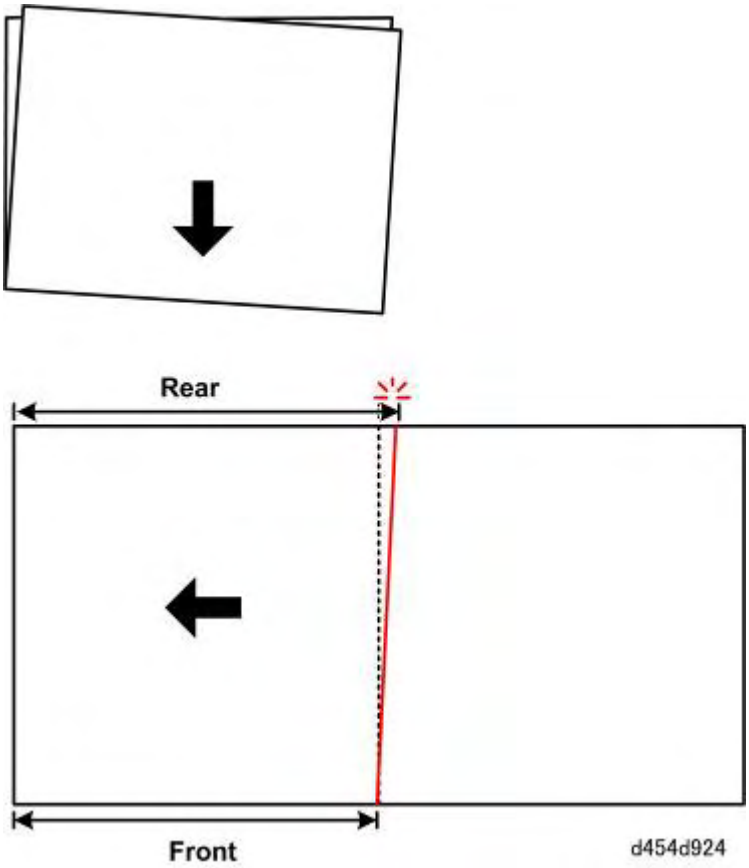
Two examples are shown below.

Example 1: High (Stopper Too Far From The Nip)



The black arrow shows the direction of paper feed from right to left. When the skew sheet is opened the **Front** edge is **longer** than the **Rear** edge.

Example 2: FM2: Low (Stopper to Close to the Nip)



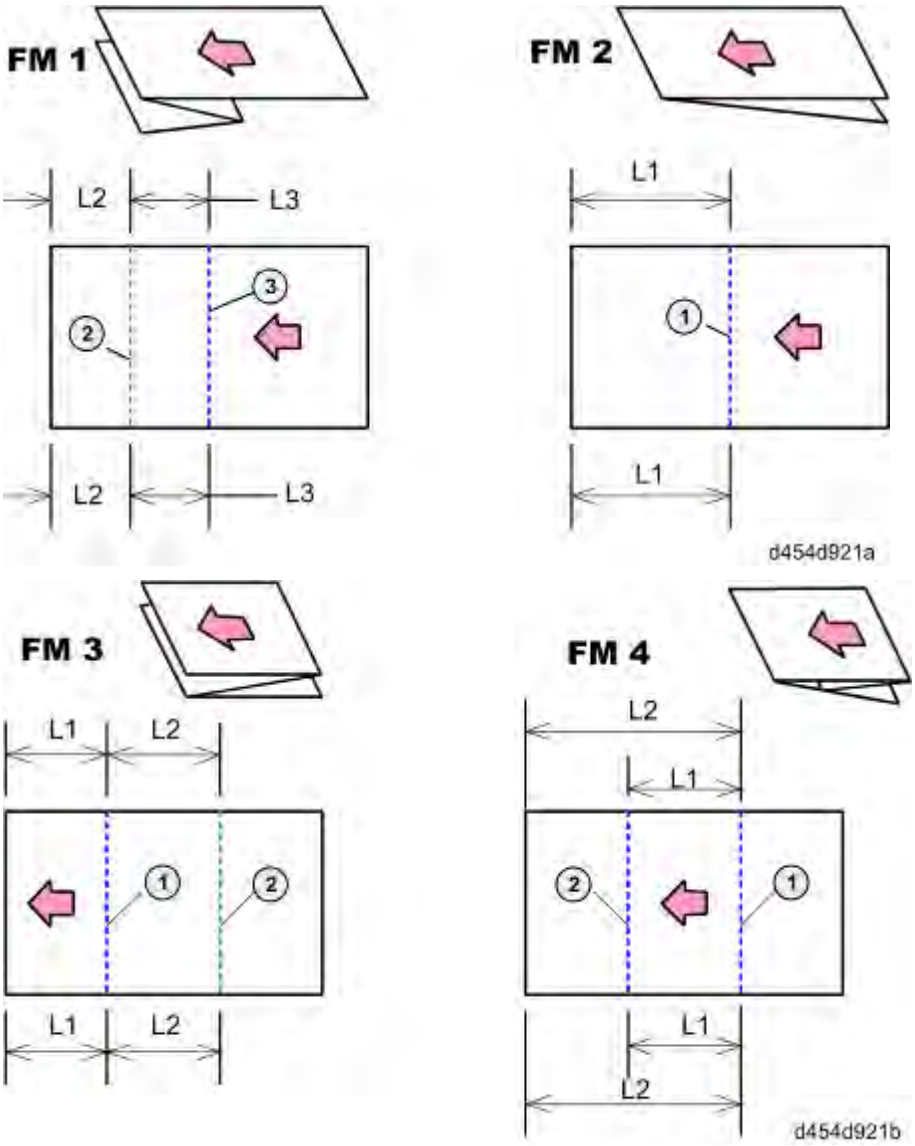
The black arrow shows the direction of paper feed from right to left. When the skew sheet is opened the **Front** edge is **shorter** than the **Rear** edge.

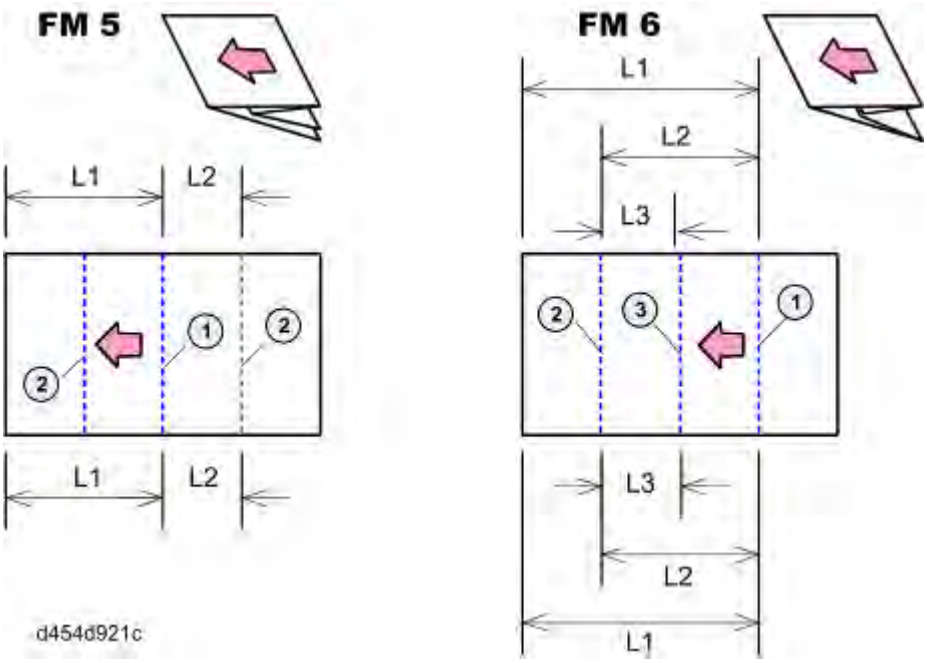
1.8.3 SKEW CORRECTION REFERENCE DIAGRAMS AND TABLE

Skew Correction Reference Diagrams

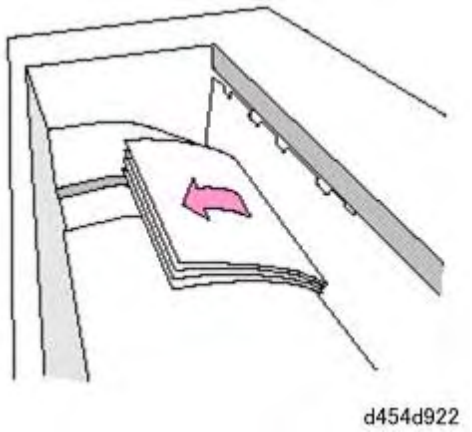
Key

Symbol/Color	What It Means
①	Stopper 1 needs adjustment
②	Stopper 2 needs adjustment
③	Stopper 3 needs adjustment
Blue line	Peak fold (points left)
Green line	Valley fold (points right)





1.8.4 GENERAL PROCEDURE



1. Retrieve the first folded paper from the top of the multi-folder. The first sheet is on the bottom of the stack.
2. If a fold is skewed, spread the paper out in the direction of paper feed shown in the diagrams above.
3. Carefully measure the distances between the folds between L1, L2, L3.
4. Compare the **Front** and **Rear** measurements.
5. Refer to the table below to determine where the paper is skewing and what type of adjustment is required.

Skew Correction Reference Table

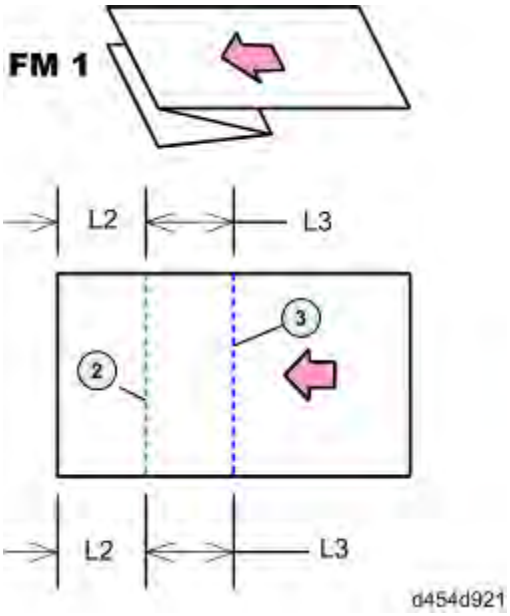
	L1	L2	L3	S1	S2	S3
FM1	---	**F** Long	**F** Long	---	Lower **F**	Raise **F**
	---	**F** Short	**F** Short	---	Raise **F**	Lower **F**
FM2	**F** Long	---	---	Raise **F**	---	---
	F Short	---	---	Lower **F**	---	---
FM3	**F** Long	**F** Long	---	Raise **F**	Lower **F**	---
	F Short	**F** Short	---	Lower **F**	Raise **F**	---
FM4	**F** Long	**F** Long	---	Raise **F**	Lower **F**	---
	F Short	**F** Short	---	Lower **F**	Raise **F**	---
FM5	**F** Long	**F** Long	---	Raise **F**	Lower **F**	---
	F Short	**F** Short	---	Lower **F**	Raise **F**	---
FM6	**F** Long	**F** Long	**F** Long	Lower **F**	Lower **F**	Raise **F**
	F Short	**F** Short	**F** Short	Raise **F**	Raise **F**	Lower **F**

Table Key

You must refer to the "Skew Correction Reference Diagrams". The following abbreviations are used in the table above.

Term	What It Means
F Long	**Front** measurement of L1, L2, or L3 is **longer** than **Rear**.
F Short	**Front** measurement of L1, L2, or L3 is **shorter** than **Rear**.
S1, S2, S3	Refers to Stopper 1, Stopper 2, Stopper. In the diagrams these are annotated as:①, ②, ③ respectively.
Raise **F**	Raise the front end of the stopper fence. For more, see below.
Lower **F**	Lower the front end of the stopper fence. For more, see below.

Example: FM1 (Z-fold)



First, compare the L2 measurements.

- In this example, imagine that L2 is longer at the front than at the rear.
- Look at the table, in the row for FM1, and the column for L2.
  - ‘F Long’ means Front measurement longer than Rear
  - ‘F Short’ means Rear measurement longer than Front
- L2 is longer at the front, so we have an ‘F Long’ situation.
- Then look at the next line, below ‘F Long’. It says ‘Lower F on S2’.
- This means you must lower the front end of stopper 2.

Then, compare the L3 measurements.

- In this example, imagine that L3 is longer at the front than at the rear.
- Look at the table, in the row for FM1, and the column for L3.
  - ‘F Long’ means Front measurement longer than Rear
  - ‘F Short’ means Rear measurement longer than Front
- L3 is longer at the front, so we have an ‘F Long’ situation again.
- Then look at the next line, below ‘F Long’. It says ‘Raise F on S3’.
- This means you must raise the front end of stopper 3.

1.8.5 STOPPER ADJUSTMENT PROCEDURES

1. Use the "Skew Correction Reference Diagrams" and "Skew Correction Reference Table" in the previous section to determine the location of the skew and which stopper needs adjustment.
2. Now you are ready to do the adjustment on the multi-folder unit.

d454d920

3. The illustration above shows the location for each stopper adjustment.
   - Each stopper is equipped with two screws.
   - The black plastic screw is the Set screw and the metal silver screw is the Adjustment screw.

d454d941

4. Remove the Set screw.

d454d942

5. Turn the Adjustment screw to do the adjustment for the stopper.

1st, 3rd Stopper

- Turn the Adjustment screw **clockwise** to **lower** the front end of the fence.

  -or-

- Turn the Adjustment screw **counter-clockwise** to **raise** the front of the fence.

2nd Stopper

- Turn the Adjustment screw **clockwise** to **raise** the front end of the fence.

  -or-

- Turn the Adjustment screw **counter-clockwise** to **lower** the front of the fence.

d454d943

6. Fasten the Set screw in the hole of the diagonal cutout near the hole where you removed it.

Note

- The diagonal cut may be above or below the original hole, depending on which stopper you are adjusting.
- The photo above shows the Set screw for Stopper 2.

7. Tighten the Set screw so the plate holds the adjustment.

D703

FINISHER SR4090 /

BOOKLET FINISHER SR4100

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

FINISHER SR4090 /
BOOKLET FINISHER SR4100 (D703)

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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual.

Symbols

This manual uses the following symbols.

Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

1. REPLACEMENT AND ADJUSTMENT

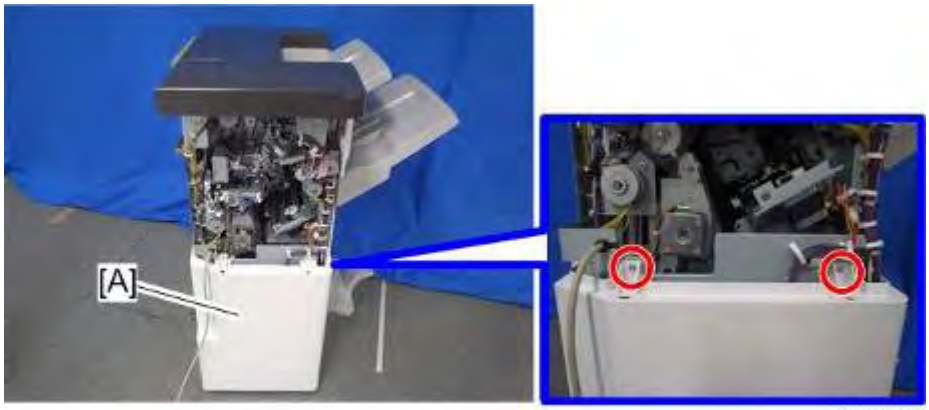
1.1 EXTERIOR COVERS

1.1.1 REAR UPPER COVER, REAR LOWER COVER, UPPER COVER

1. Rear upper cover [A] (x 2)

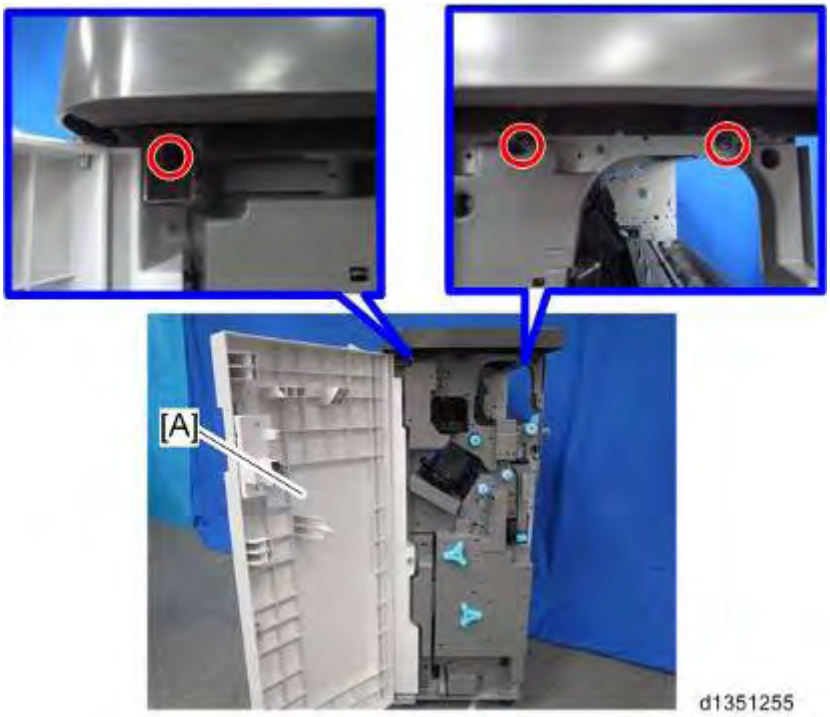
d1351253

2. Rear lower cover [A] (x 2)

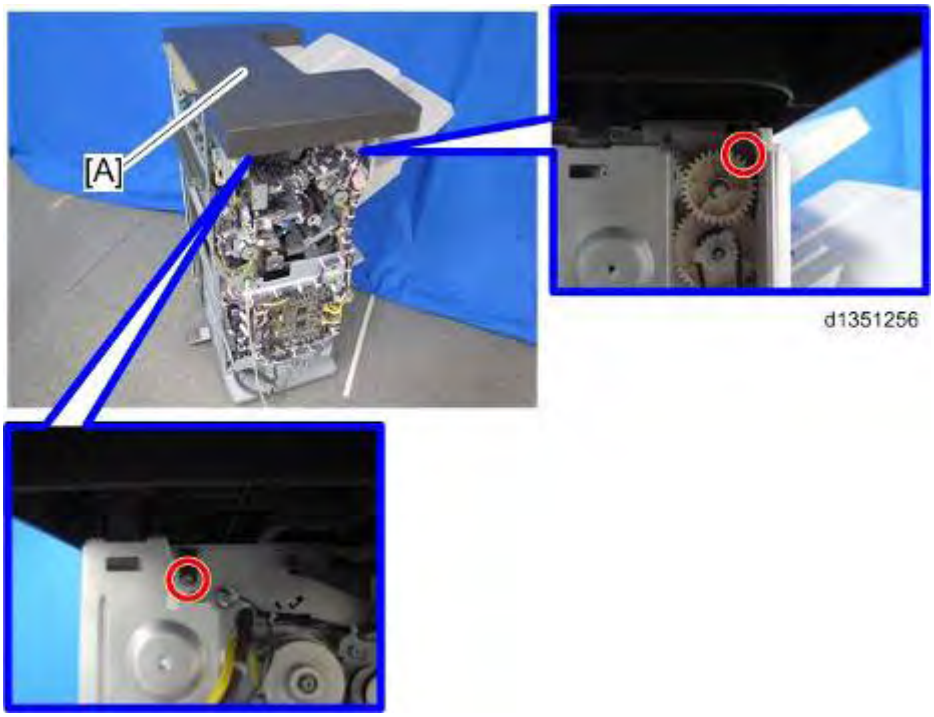


d1351254

3. Open the front door [A], and remove the screws of the upper cover. (x 3)

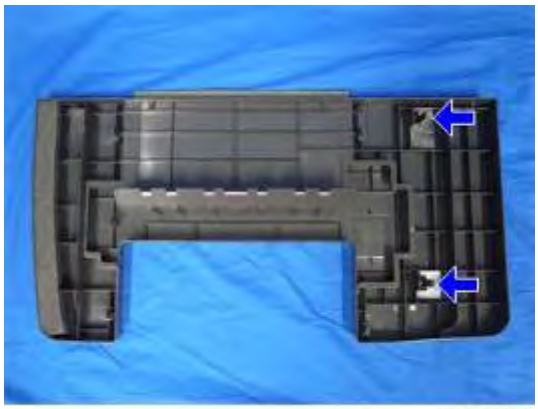


4. Upper cover [A] (x 2, hook x 2)



Note

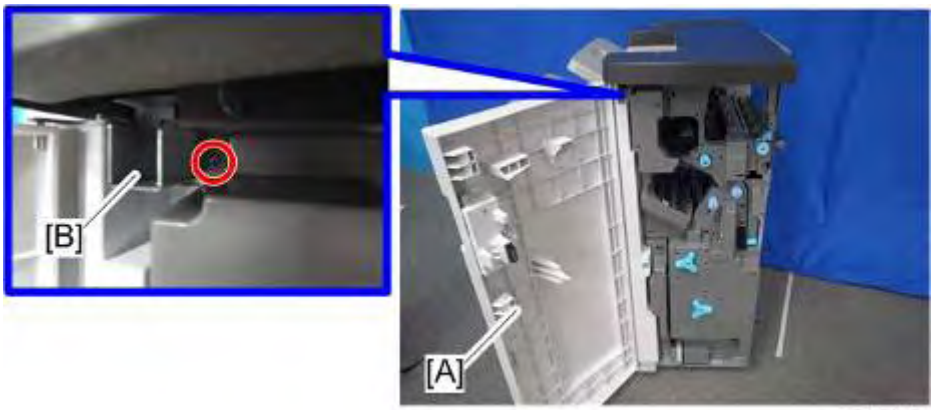
- Check the positions of the bosses and hooks before removing the upper cover.



d1351257

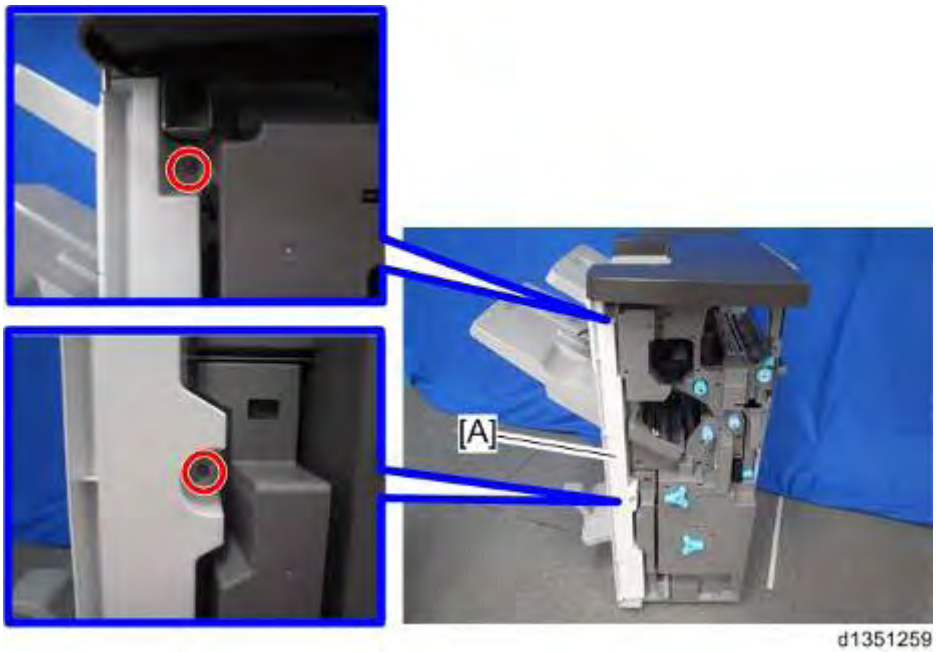
1.1.2 FRONT COVER, FRONT LEFT SIDE COVER

1. Open the front door [A], and then remove the front door bracket [B]. (x 1)
2. Front door [A]



d1351258

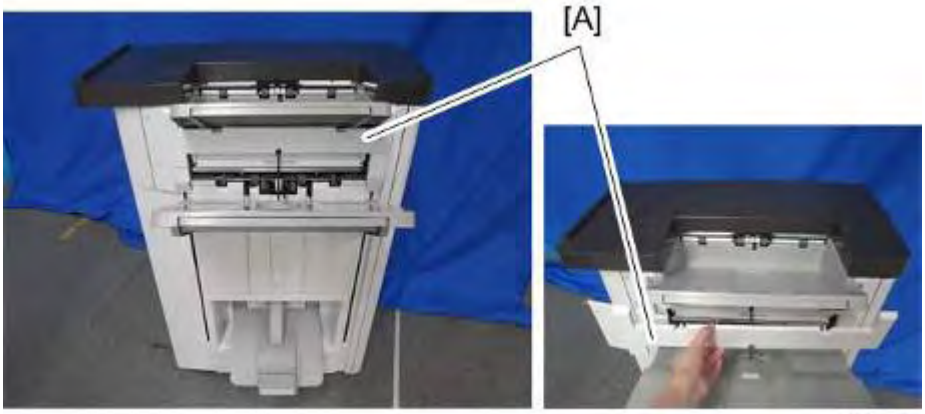
3. Front left side cover [A] (x 2)



d1351259

1.1.3 PAPER EXIT COVER

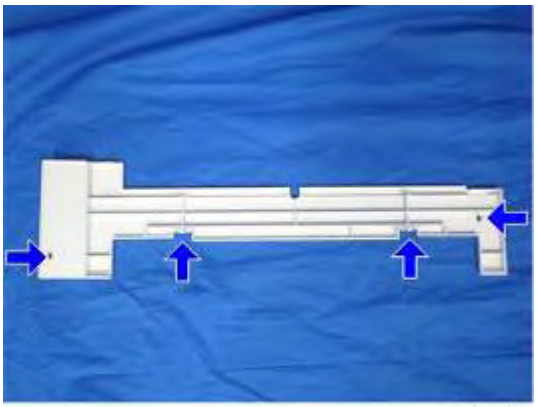
1. Paper Exit Cover [A] (hook x 4)



d1351260

Note

- Check the positions of the bosses and hooks before removing the paper exit cover.



d1351261

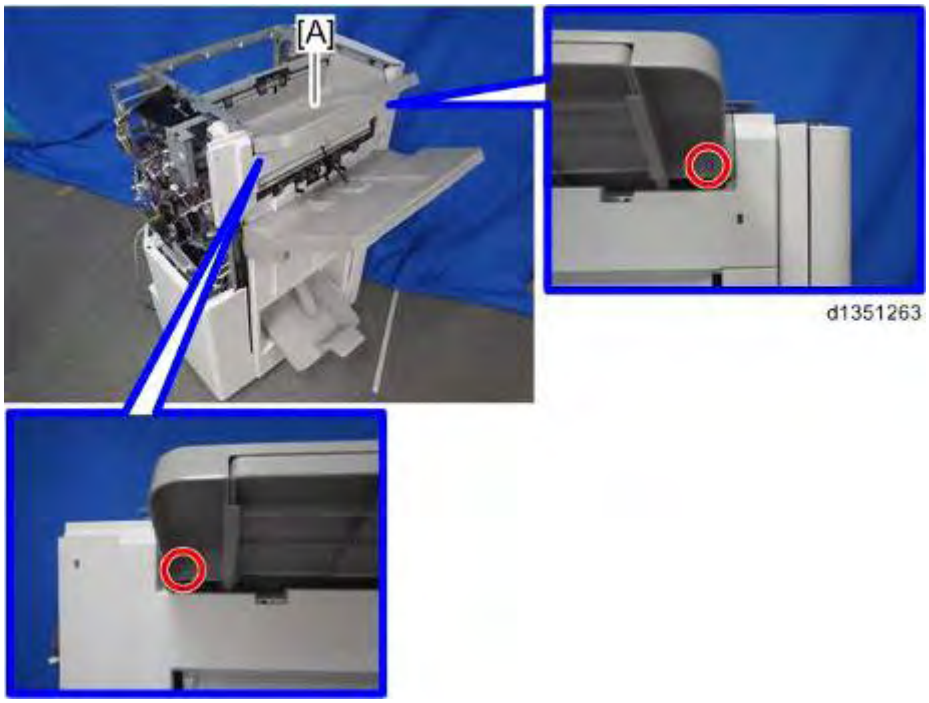
1.1.4 LOWER TRAY

1. Lower tray [A]

d1351262

Proof Tray

1. Remove the following covers. (☛page 1 "Rear Upper Cover, Rear Lower Cover, Upper Cover")
   - Rear upper cover
   - Upper cover
2. Proof tray [A] (🔩 x 2)



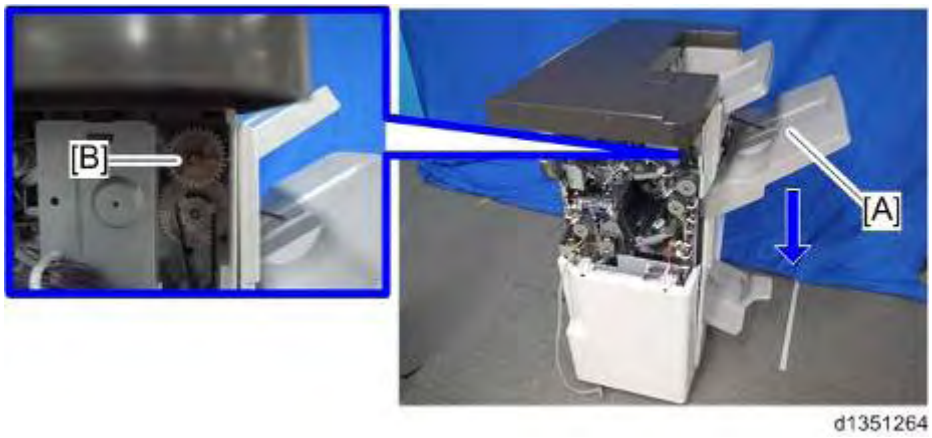
d1351263

1.1.5 UPPER TRAY

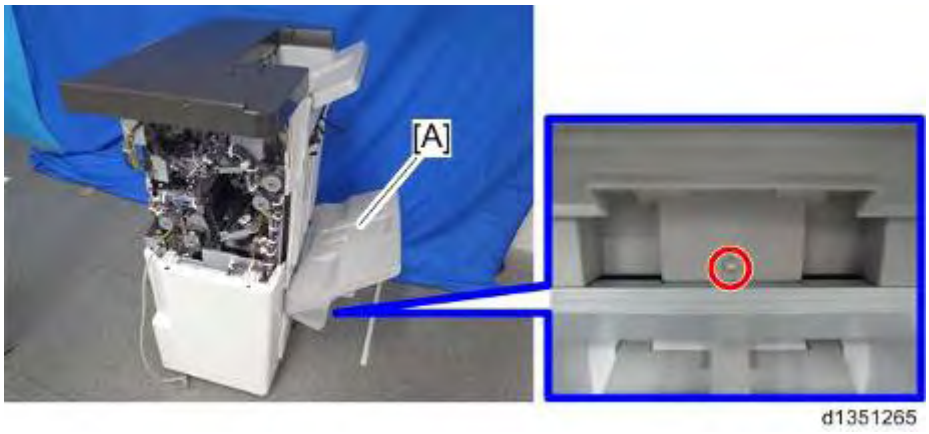
1. Upper tray [A] (x 1)

1.1.6 END FENCE (D704 ONLY)

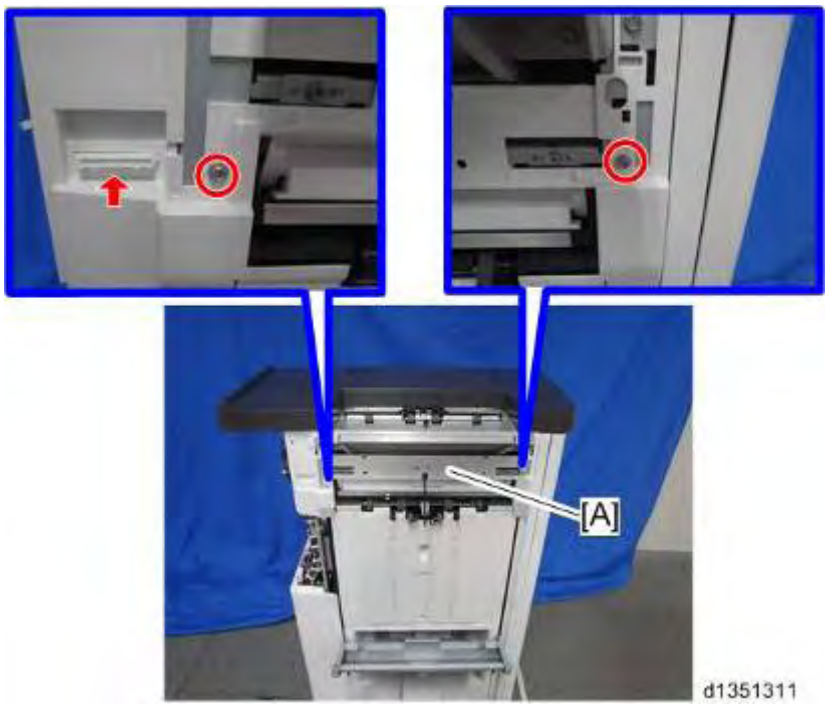
1. Rear Upper Cover (☛page 1 "Rear Upper Cover, Rear Lower Cover, Upper Cover")
2. Support the upper tray [A] with your right hand.
3. Pull gear [B] toward you to release.
4. Slowly lower the upper tray until it stops.



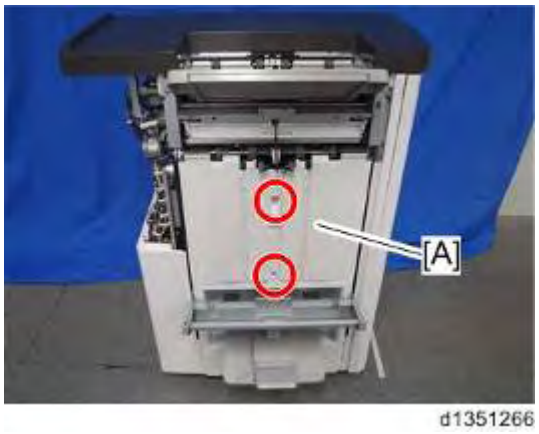
5. Upper tray [A] (x 1)



6. Lower Tray (☛ page 5)
7. Right upper cover [A] (x 2, connector bracket x 1)



8. End fence [A] (x 2)

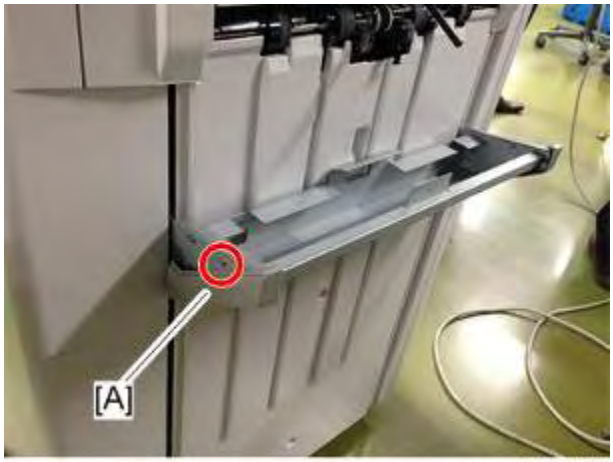


1.1.7 LEFT COVER (D703 ONLY)

1. Upper Tray [A] (x 1)

d1351777

2. Rear mold bracket [A] (x 1)

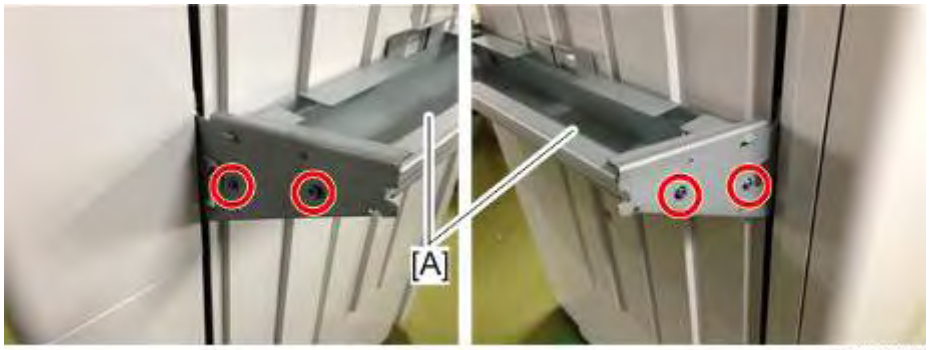


d1351778

3. Front mold bracket [A] (x 1)

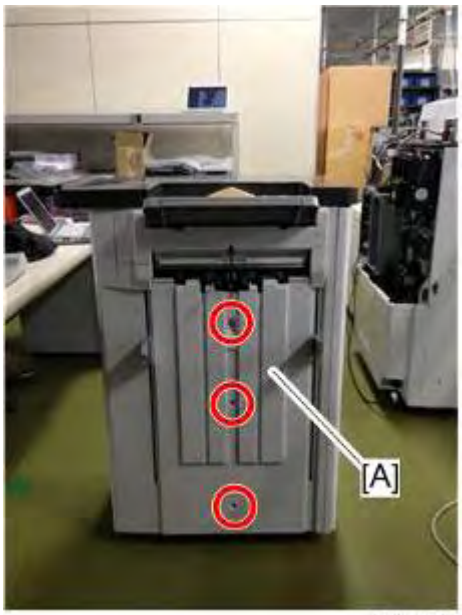
d1351779

4. Shift tray bracket [A] (x 4)



d1351780

5. Left cover [A] (x 3)

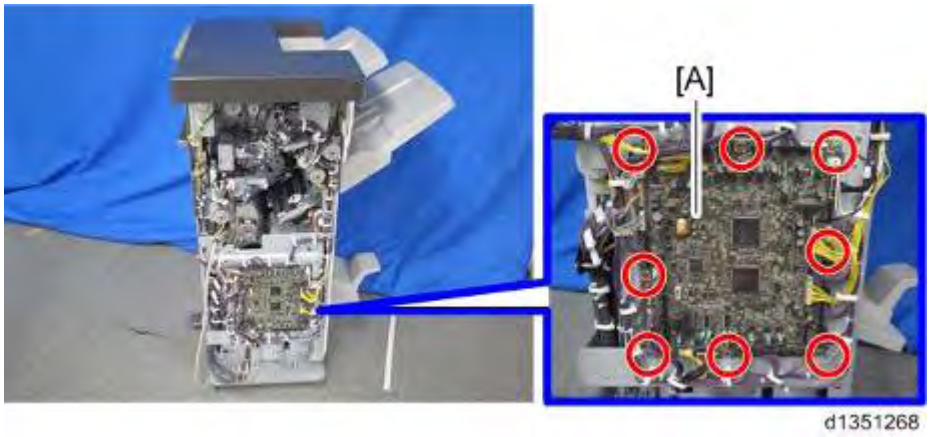


d1351781

1.2 BOARDS

1.2.1 MAIN BOARD

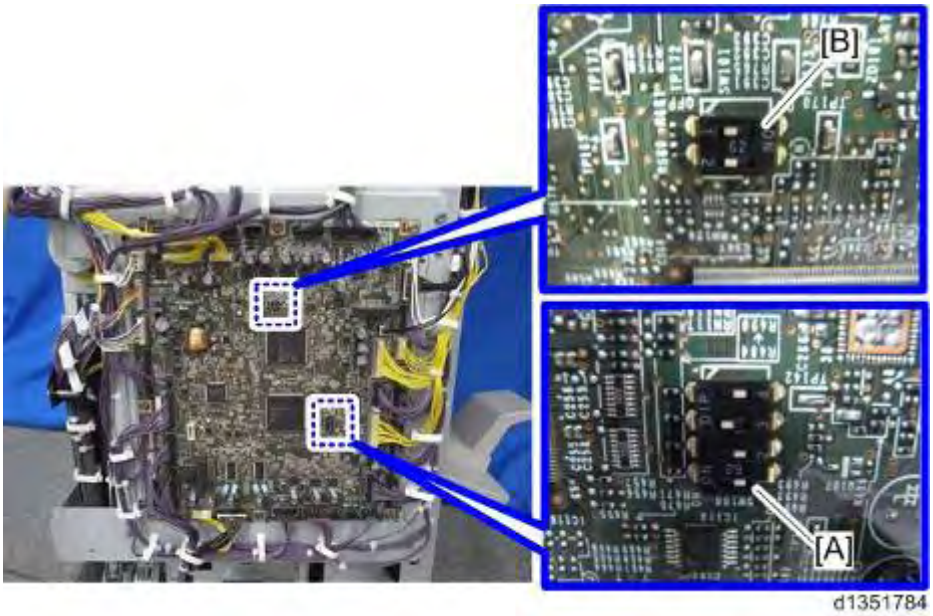
1. Remove the following covers. (☛ page 1 "Exterior Covers")
   - Rear upper cover
   - Rear lower cover
2. Main board [A] (x 4, connector x all)



When replacing the main board

This board has two blocks of dip switches. When you reinstall the main board, follow the procedure below regarding the dip switch settings.

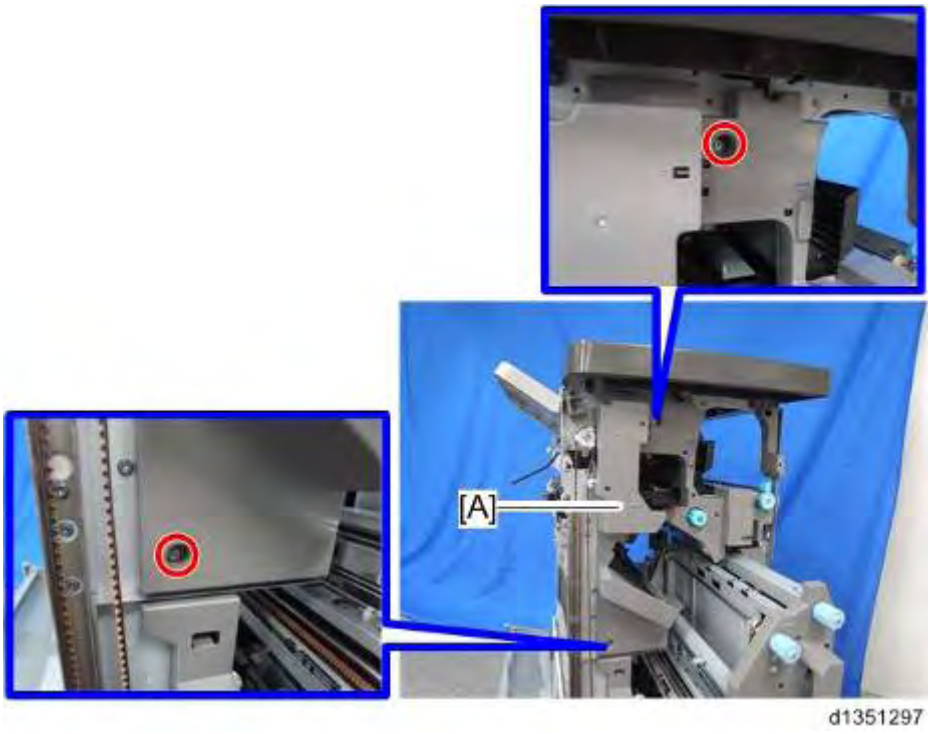
1. Check the settings of dip switch [A] on the old main board.
2. Replace the main board.
3. Change the settings of dip switch [A] on the new main board to match the settings on the old main board.
4. Make sure the switches of dip switch [B] on the new main board are all OFF.


[B]
[A]
d1351784

1.3 MAIN UNIT (MOTOR)

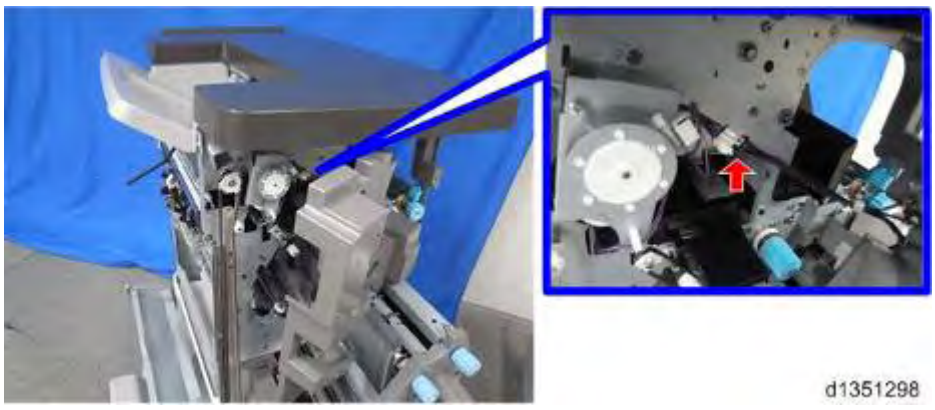
1.3.1 CORNER STAPLING UNIT

1. Remove the following covers. (☛page 1 "Exterior Covers")
   - Front door
   - Front left side cover
   - End fence
   - Rear upper cover
   - Rear lower cover
2. Pull out the stapler unit, and remove the inner upper cover [A]. (x 2)

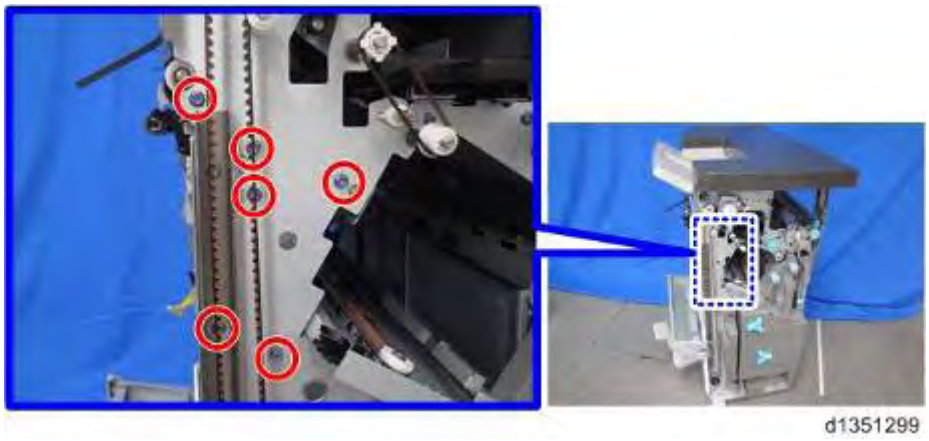


Note

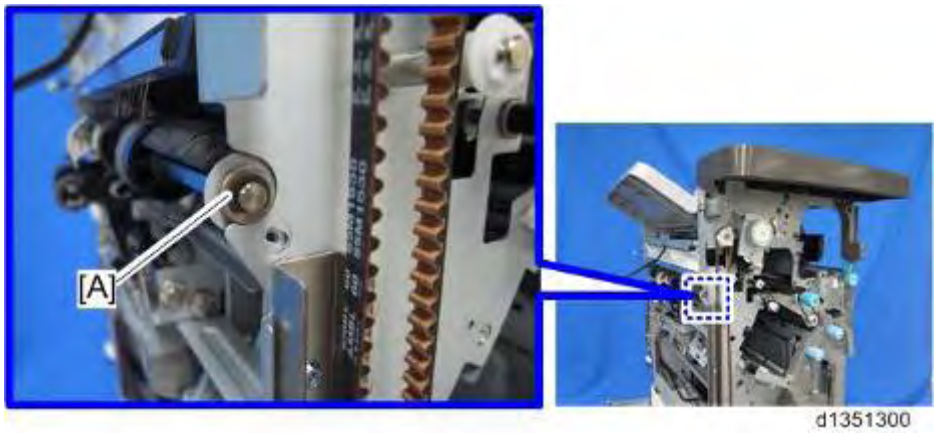
- Disconnect the harness from the back side of the inner upper cover when you remove the inner upper cover.



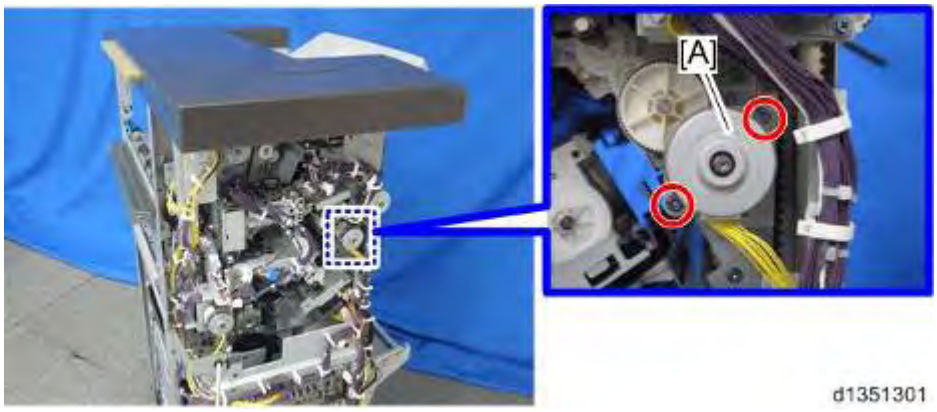
3. Remove the screws from the front side of the finisher. (x 6)



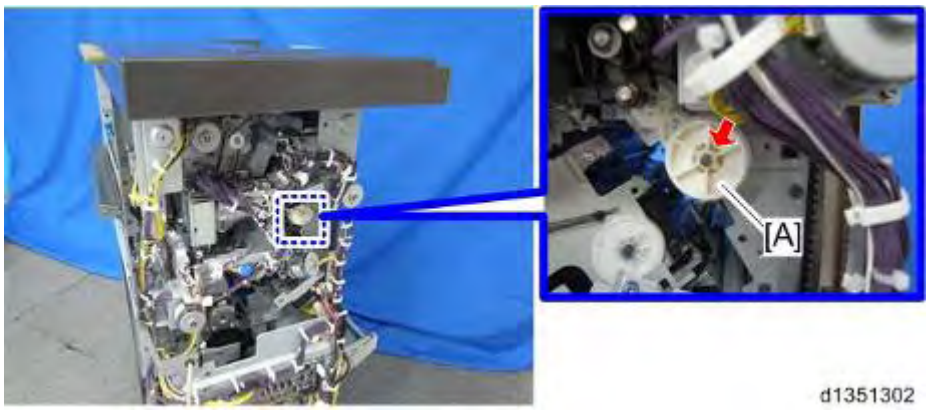
4. Remove the bushing [A] from the front side of the finisher. (C-ring x 1)



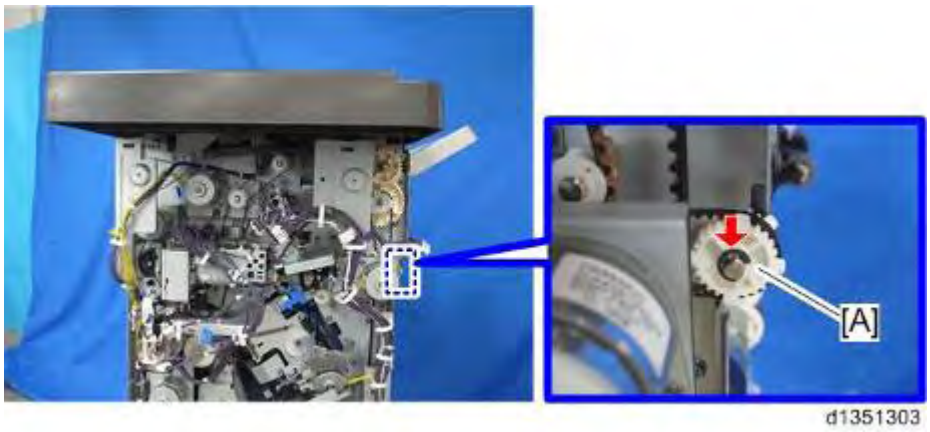
5. Remove the pressure release motor bracket [A] from the rear side of the finisher. (x 2)



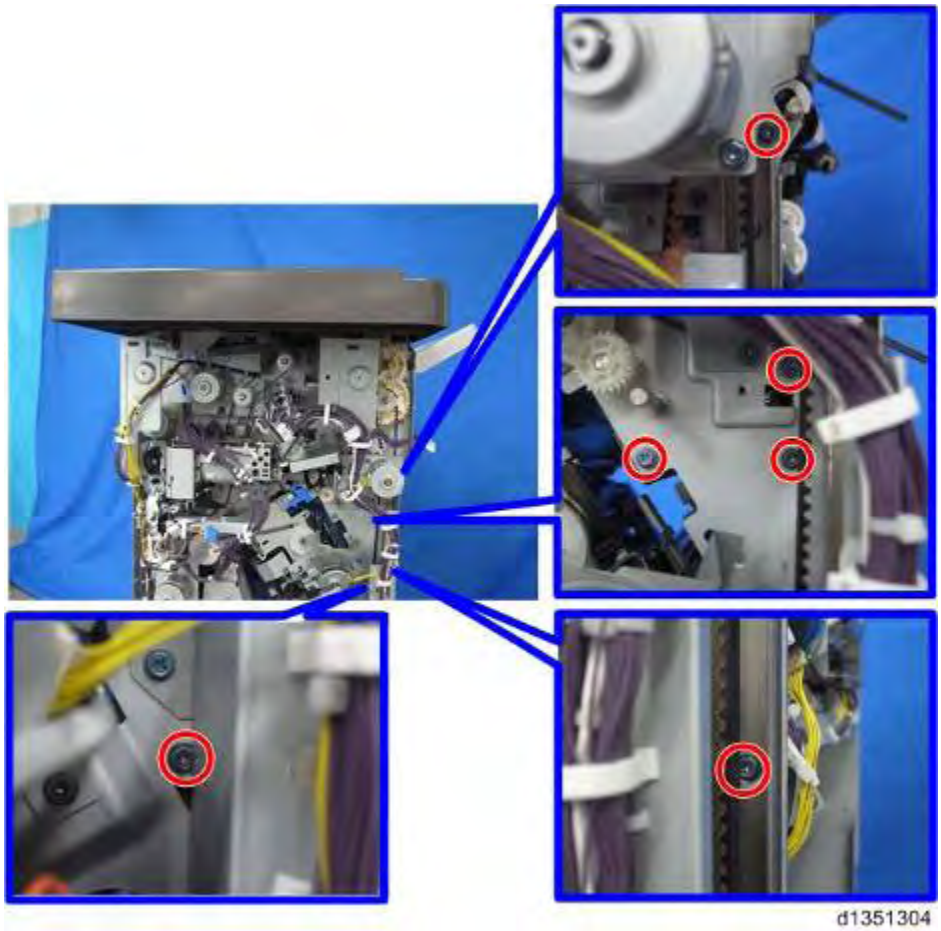
6. Remove the gear [A] from the rear side of the finisher. (snap-fit x 1)



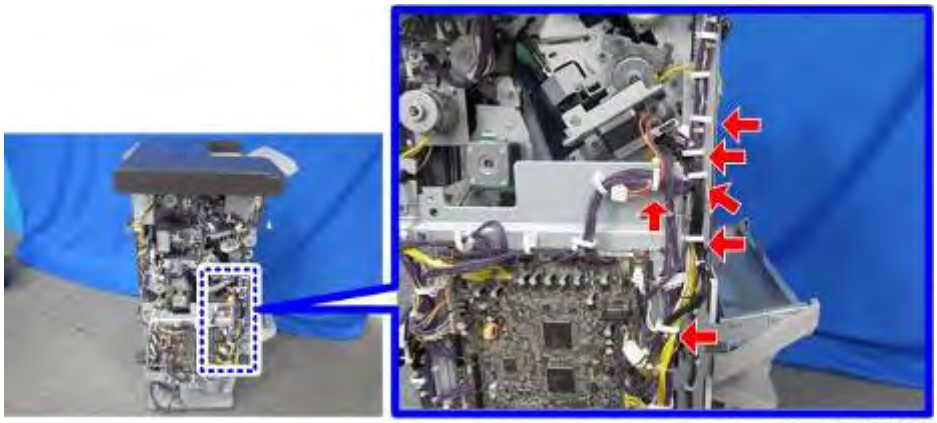
7. Remove the pulley [A] from the rear side of the finisher. (C-ring x 1)



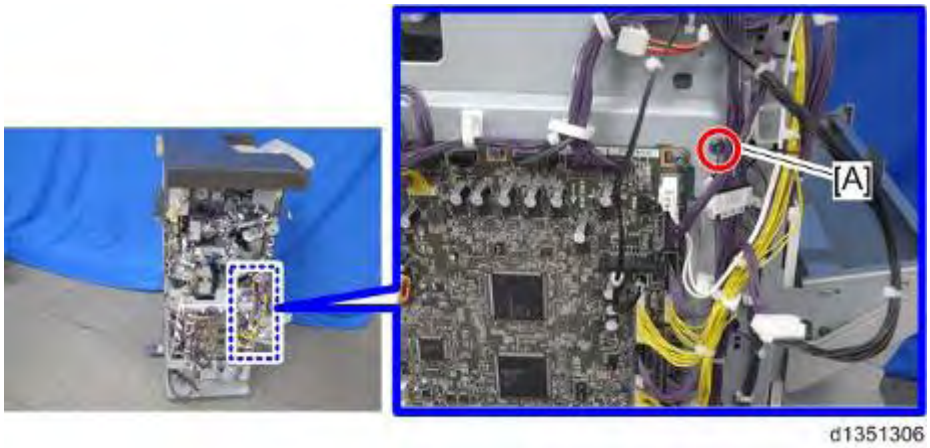
8. Remove 6 screws from the rear side of the finisher. (x 6)



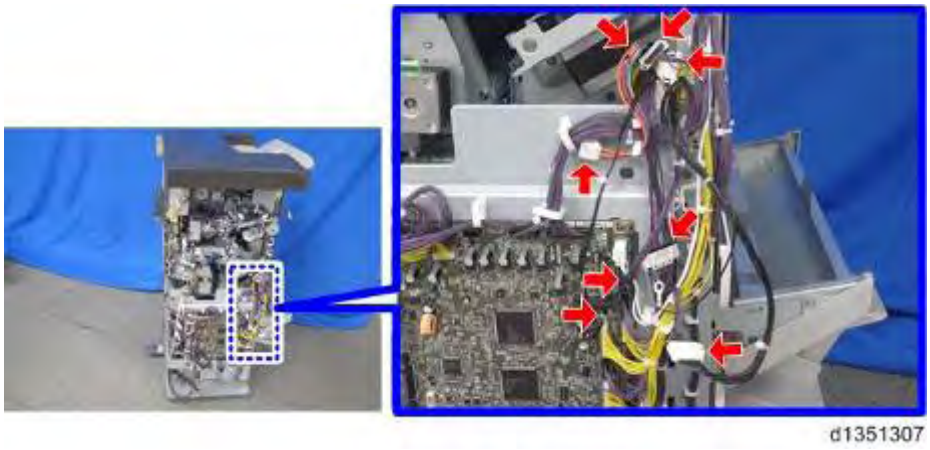
9. Remove the clamps shown below. (x 6)



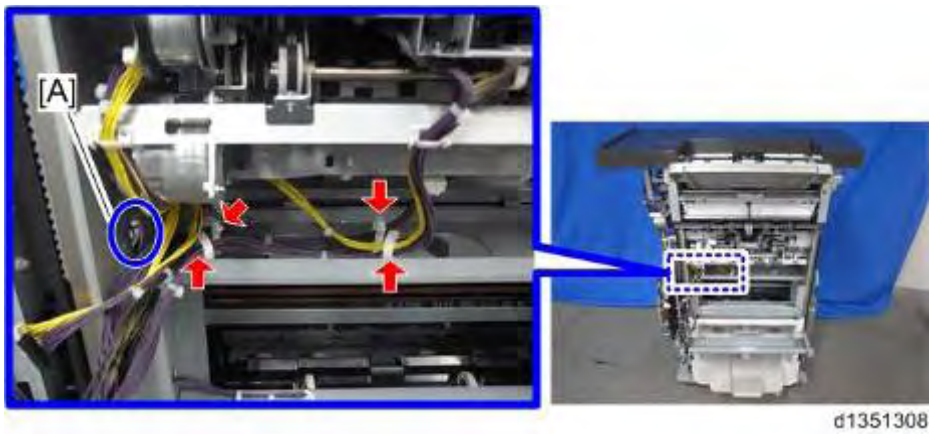
10. Remove the ground wire [A] of the main board. (x 1)



11. Disconnect the connectors shown below. (x 8)

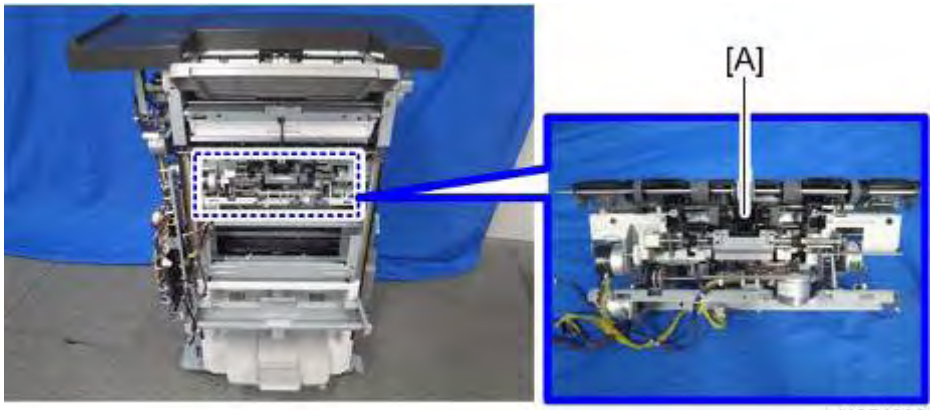


12. Pull out the harnesses disconnected in step 11 to the right side of the finisher through the hole [A].
13. Remove the harness from the clamps. (x 4)



d1351308

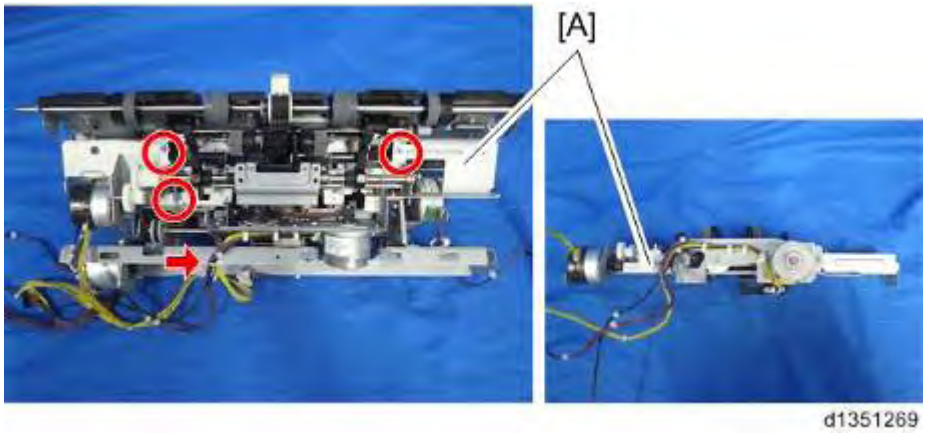
14. Remove the corner stapling unit [A] from between the front and left plate.



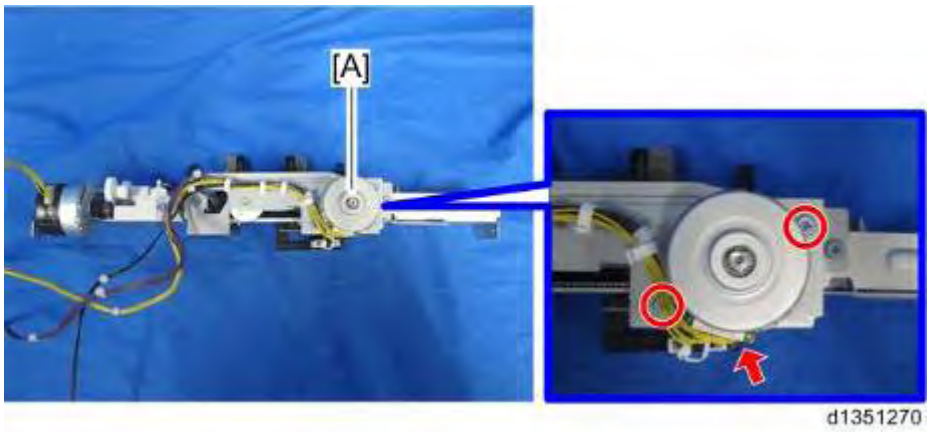
d1351309

1.3.2 PAPER EXIT GATE MOTOR

1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)

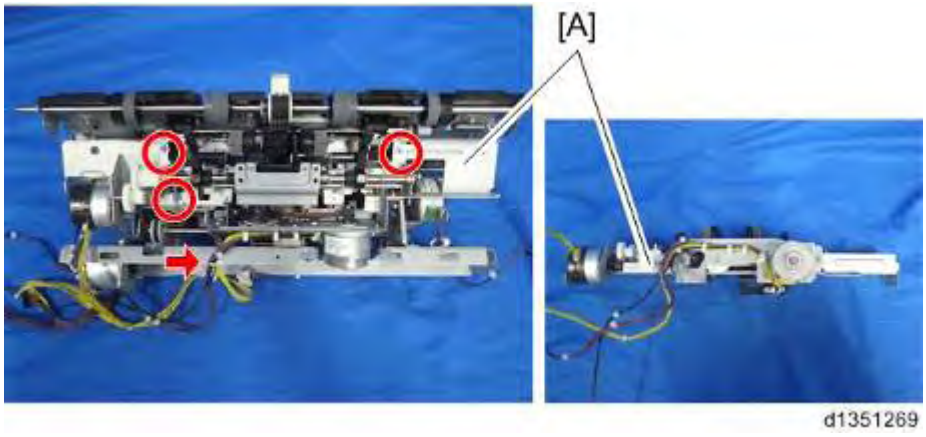


3. Paper exit gate motor [A] (x 2, x 1)

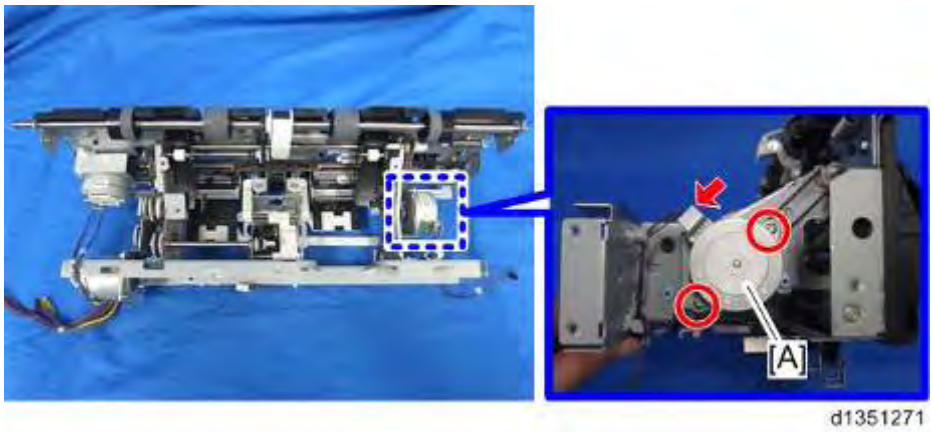


1.3.3 LEADING EDGE GUIDE MOTOR

1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)

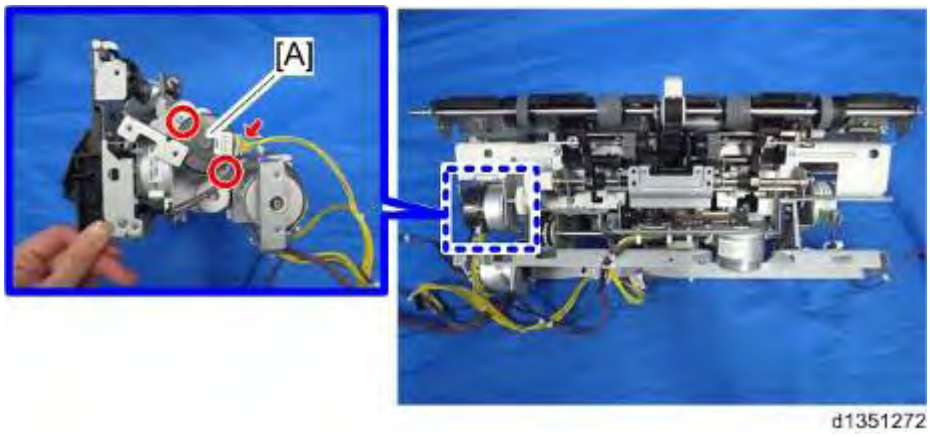


3. Leading edge guide motor [A] (x 2, x 1)



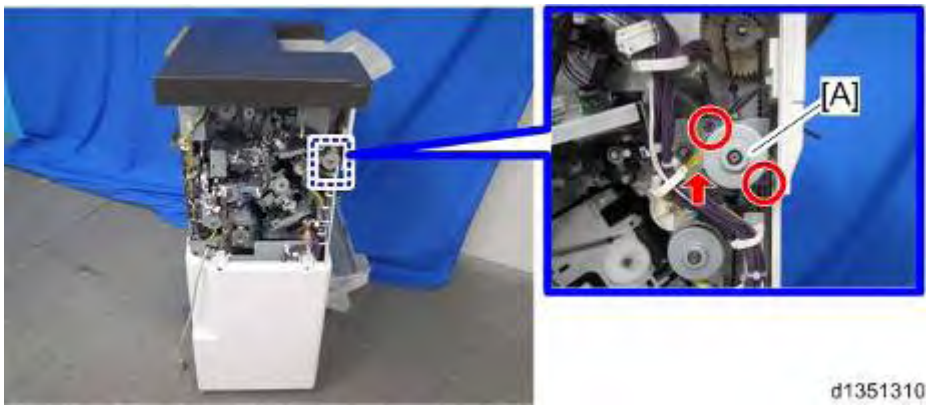
1.3.4 TRAILING EDGE PRESSURE PLATE MOTOR

1. Corner stapling unit (☛page 12)
2. Trailing edge pressure plate motor [A] (x 2, x 1)



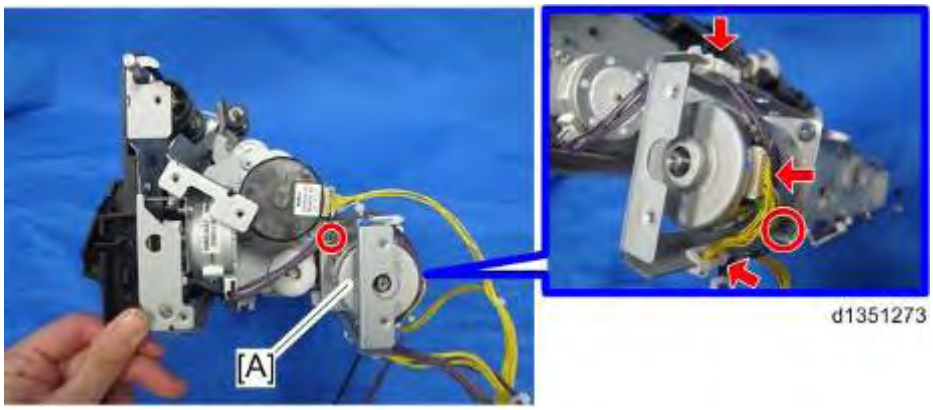
1.3.5 STACKING ROLLER MOTOR

1. Rear upper cover (☛page 1 "Exterior Covers")
2. Stacking roller motor [A] (x 2, x 1)



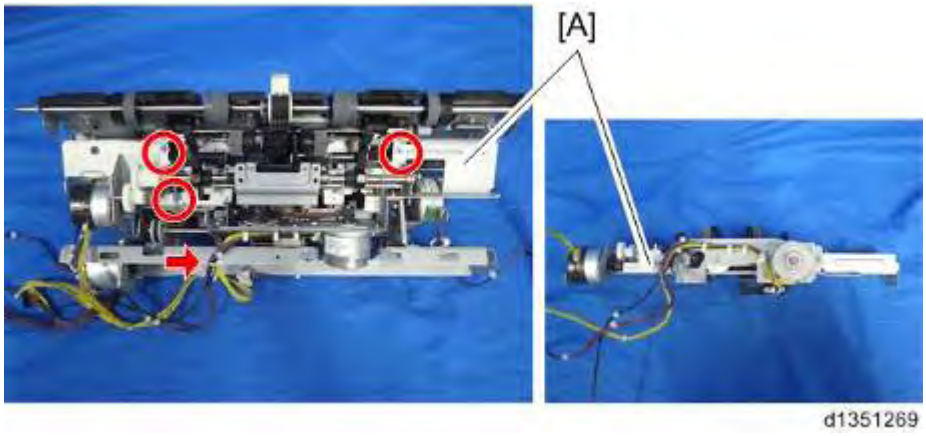
1.3.6 FEED OUT MOTOR

1. Corner stapling unit (☛page 12)
2. Feed out motor [A] (x 2, x 1, x 2)

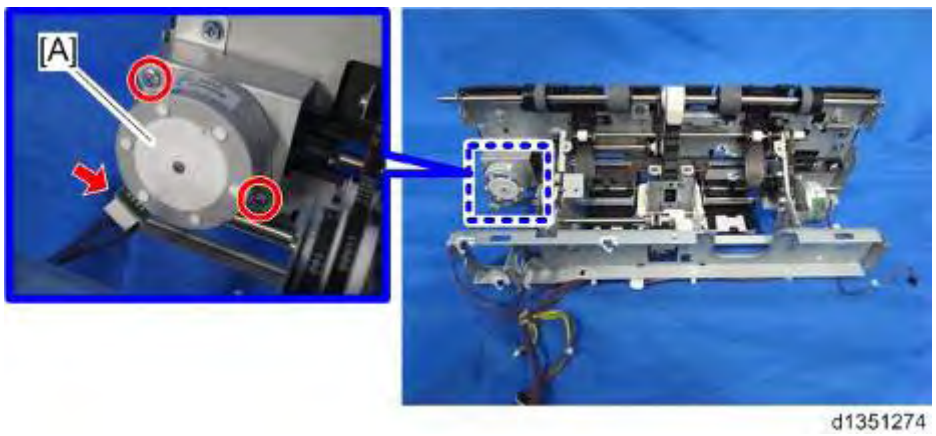


1.3.7 JOGGER MOTOR

1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)



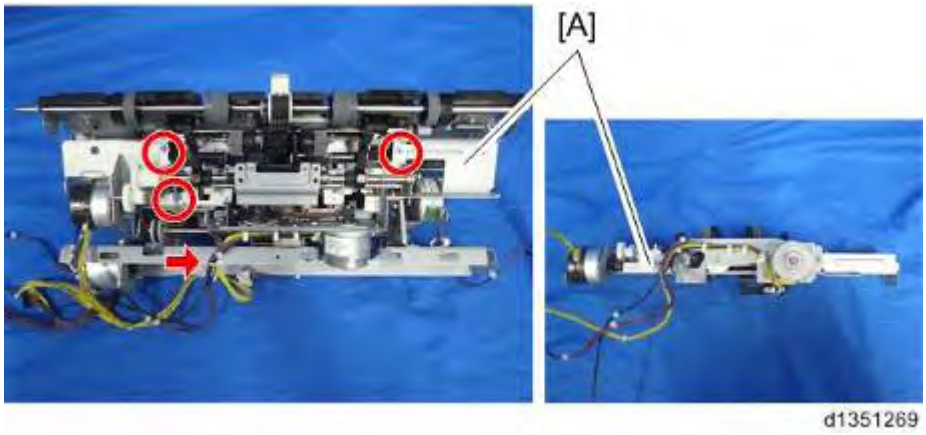
3. Feed out motor (☛page 20)
4. Jogger motor [A] (x 2, x 1)



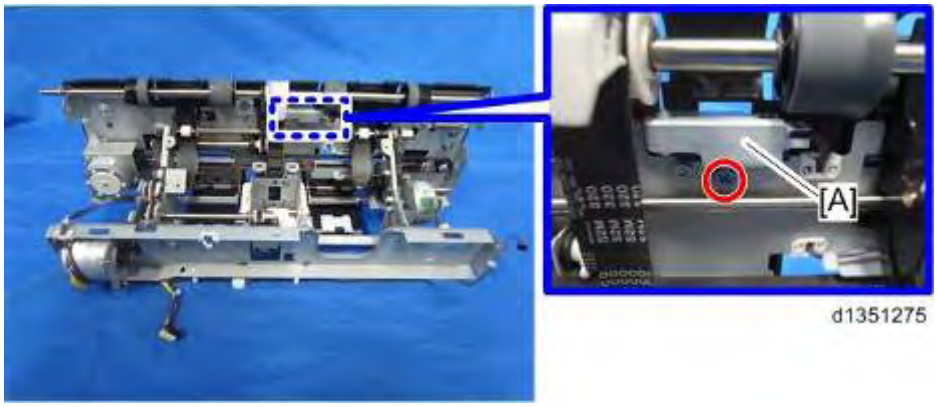
1.4 MAIN UNIT (SENSOR)

1.4.1 SHIFT TRAY PAPER SENSOR

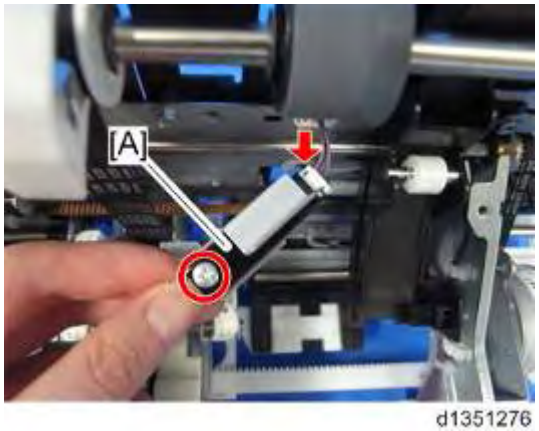
1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)



3. Shift tray paper sensor bracket [A] (x 1)

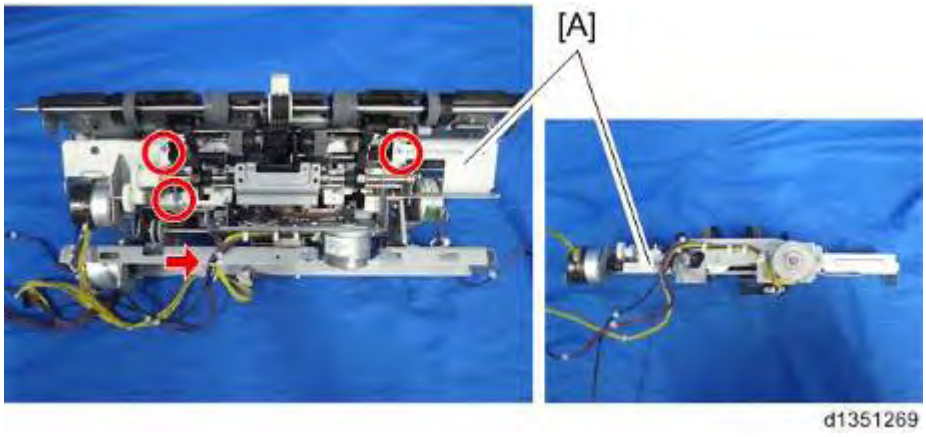


4. Shift tray paper sensor [A] (x 1, x 1)

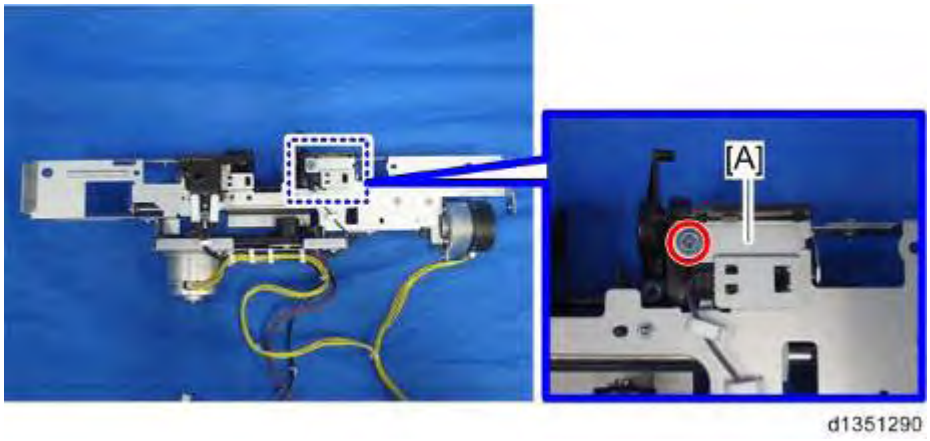


1.4.2 TRAILING EDGE PRESSURE PLATE HP SENSOR

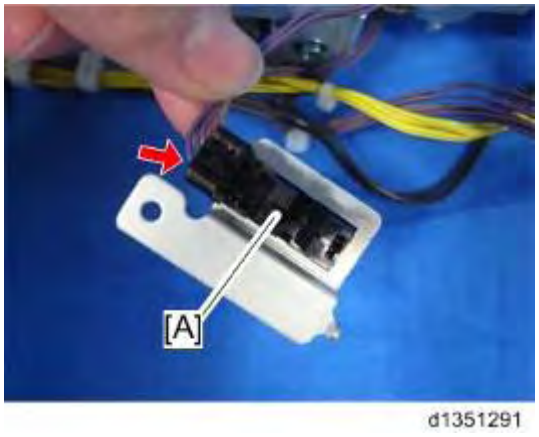
1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)



3. Turn back the stapler bracket, and remove the trailing edge pressure plate HP sensor bracket [A]. (x 1)

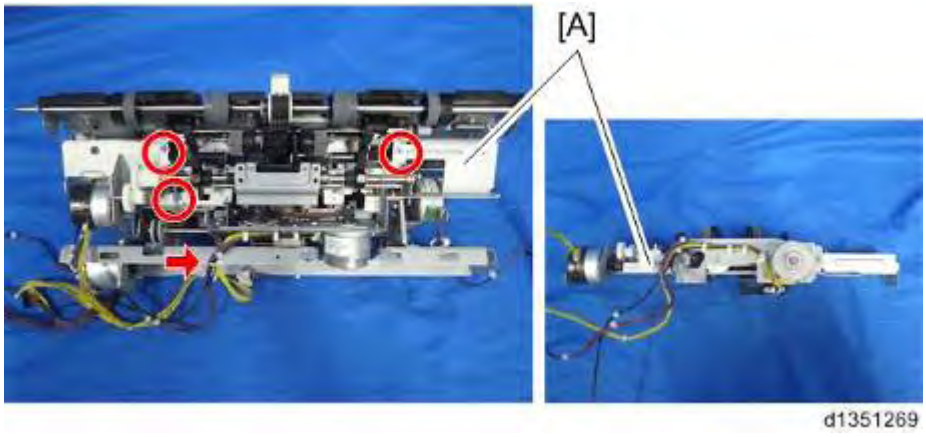


4. Trailing edge pressure plate HP sensor [A] (x 1)



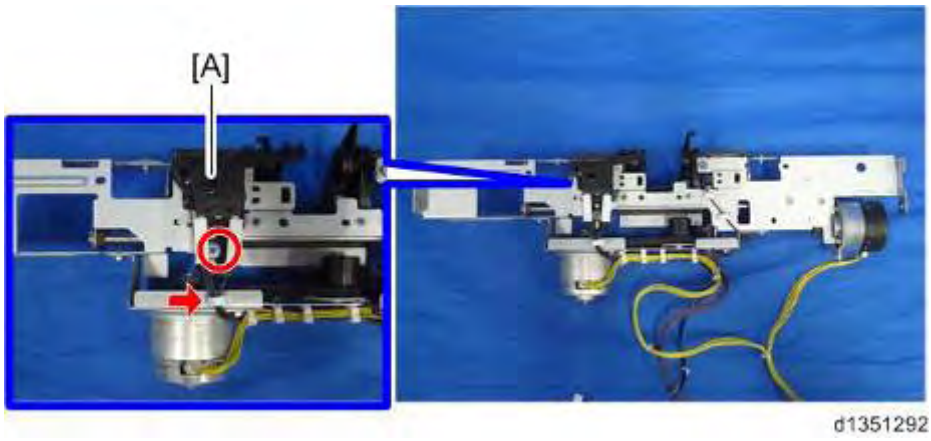
1.4.3 STACKING ROLLER HP SENSOR

1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)



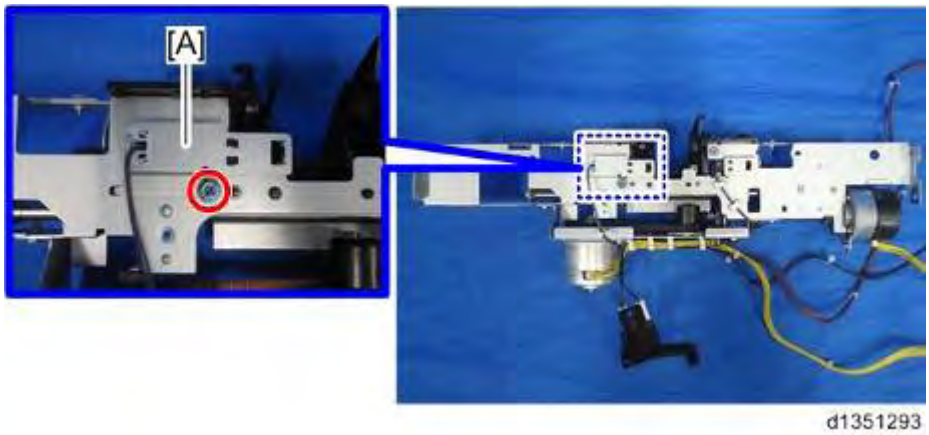
d1351269

3. Turn back the stapler bracket, and remove the paper exit gate motor bracket [A]. (x 1, x 1)



d1351292

4. Stacking roller HP sensor bracket [A] (x 1)

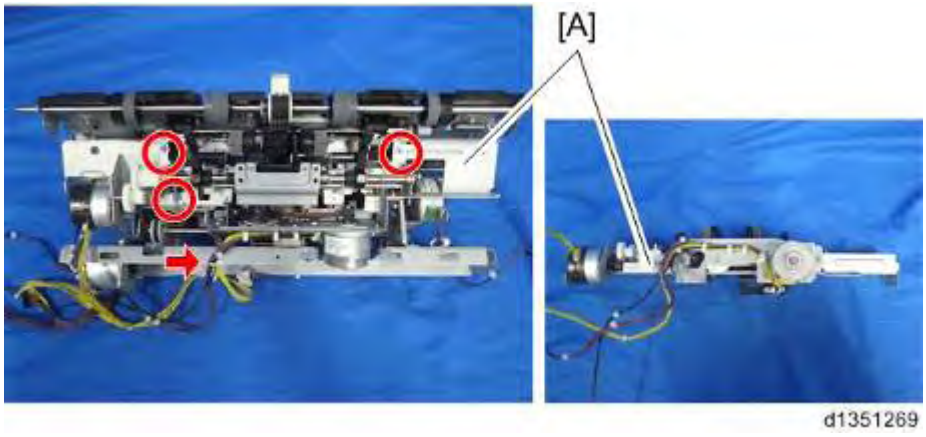


d1351293

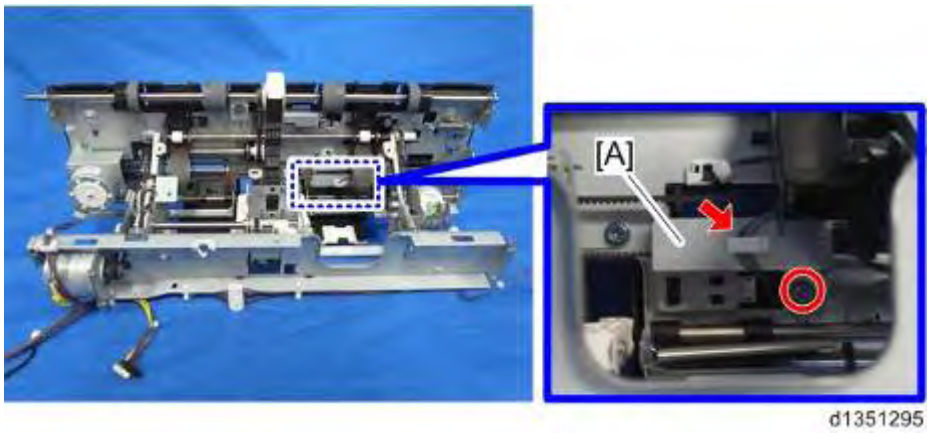
5. Stacking roller HP sensor [A] (x 1)

1.4.4 STAPLE TRAY PAPER SENSOR

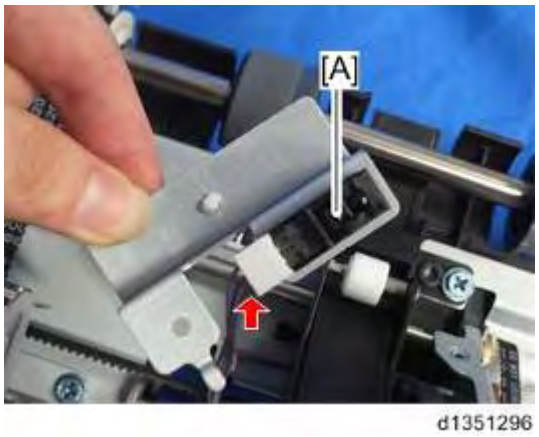
1. Corner stapling unit (☛page 12)
2. Stapler bracket [A] (x 3, x 1)



3. Staple tray paper sensor bracket [A] (x 1, x 1)



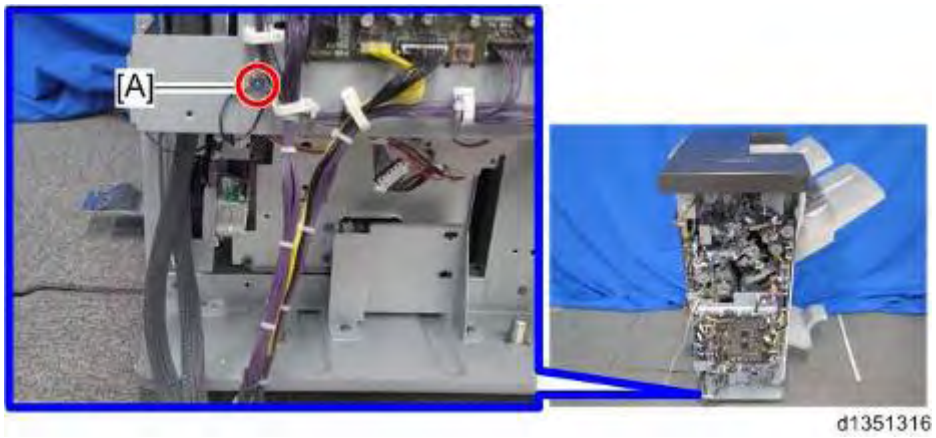
4. Staple tray paper sensor [A] (x 1)



1.5 STAPLER UNIT

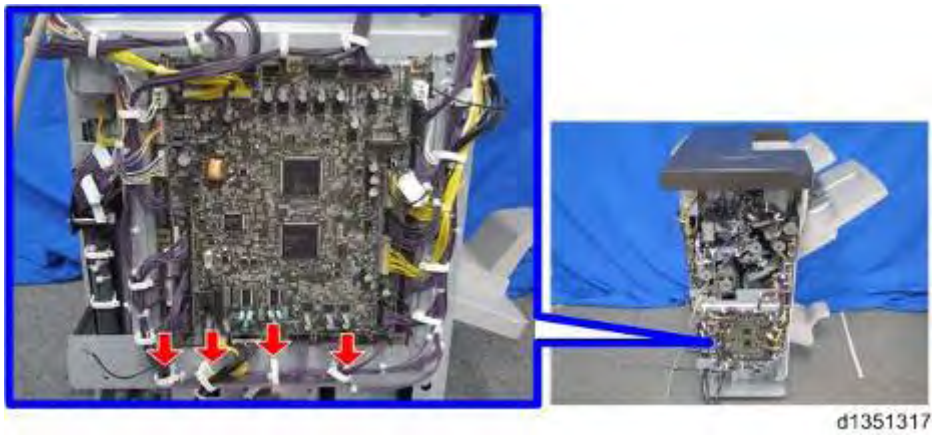
1.5.1 STAPLER UNIT

1. Remove the following covers. (☛page 1 "Exterior Covers")
   - Rear Upper Cover
   - Rear Lower Cover
2. Remove the ground wire [A] in the left lower side of the main unit. (x 1)



d1351316

3. Release the harness from the 4 clamps shown below. (x 4)

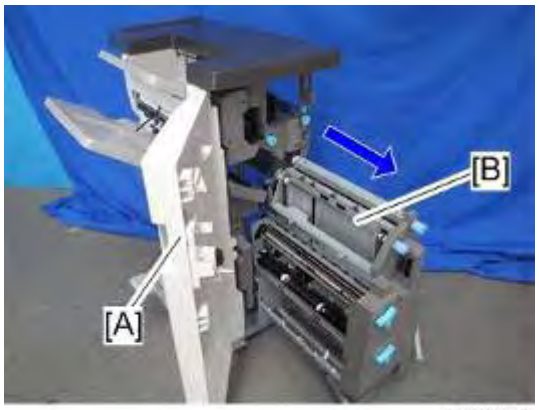


d1351317

4. Disconnect the 7 connectors of the stapler unit from the main board as shown below. (x 7)

d1351318

5. Open the front door [A] and pull out the stapling unit [B].

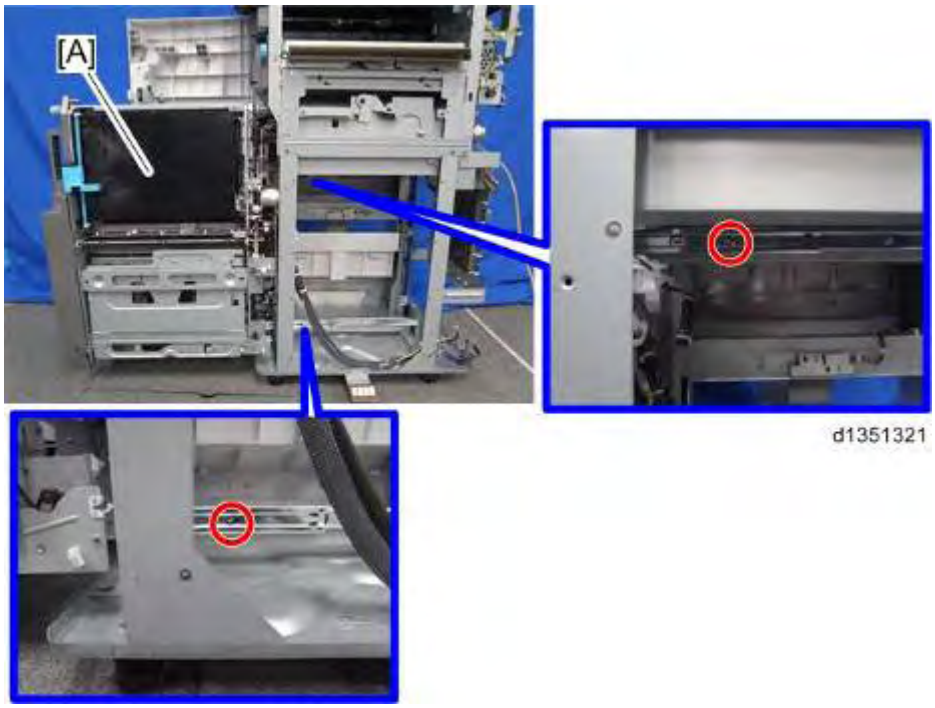


d1351319

6. Remove the screws that hold the finisher and stapler unit. (x 6)

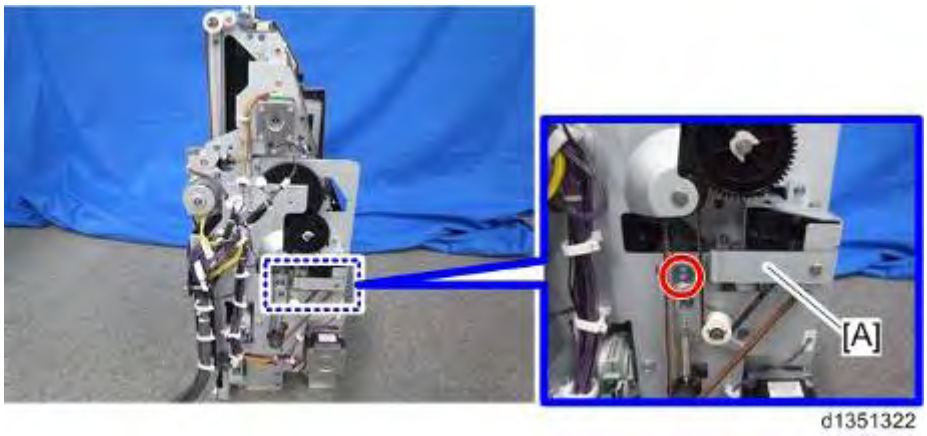
d1351320

7. Lift up the stapler unit [A] and remove it. (x 2)

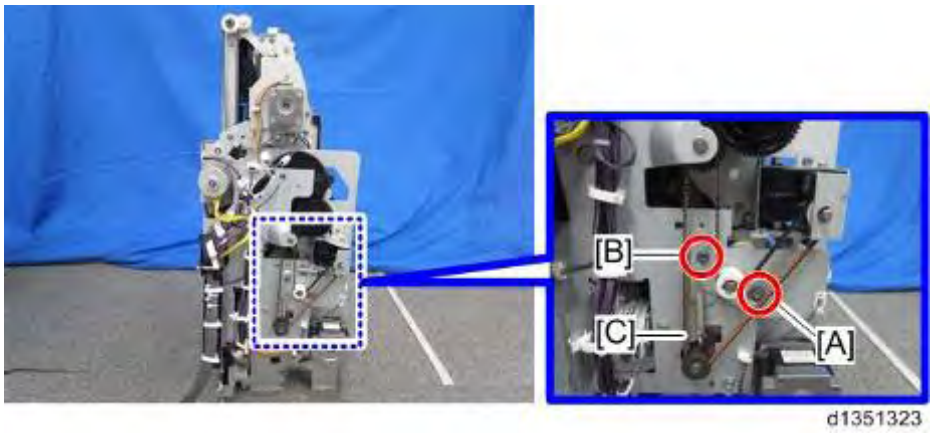


1.5.2 PRESS FOLDING MOTOR

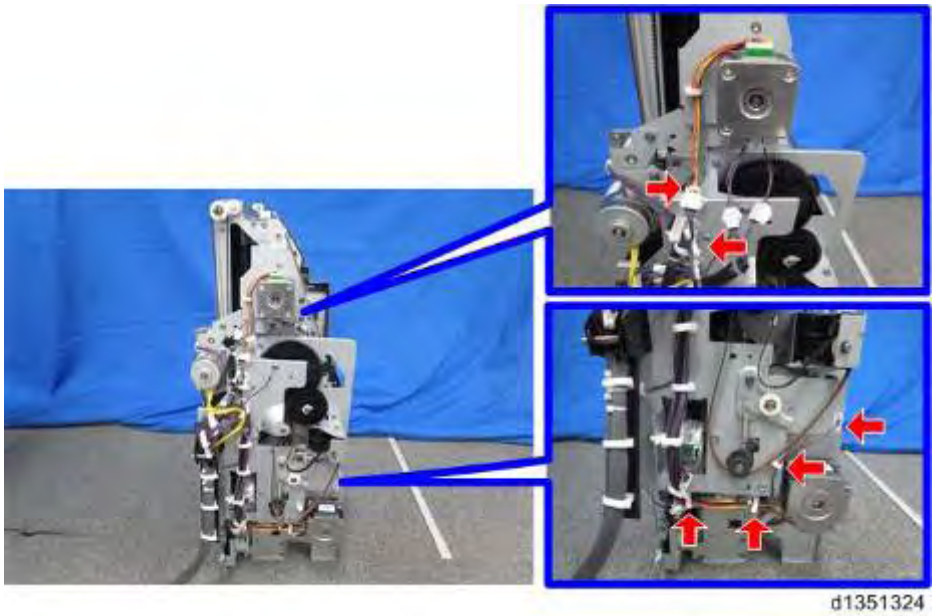
1. Stapler unit (☛page 26)
2. Remove the bracket [A] from the stapler unit. (🔩 x 1)



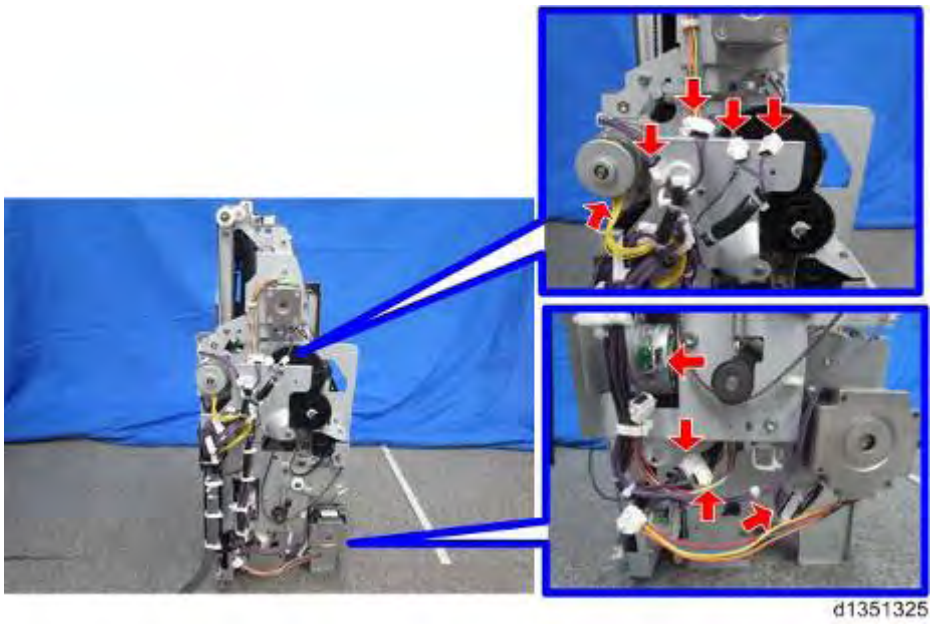
3. Remove the screw [A] of the belt holding bracket. (🔩 x 1)
4. Loosen the screw [B] of the belt holding bracket, and then loosen the press folding motor belt [C].



5. Release the harness from the 6 clamps shown below. (x 6)



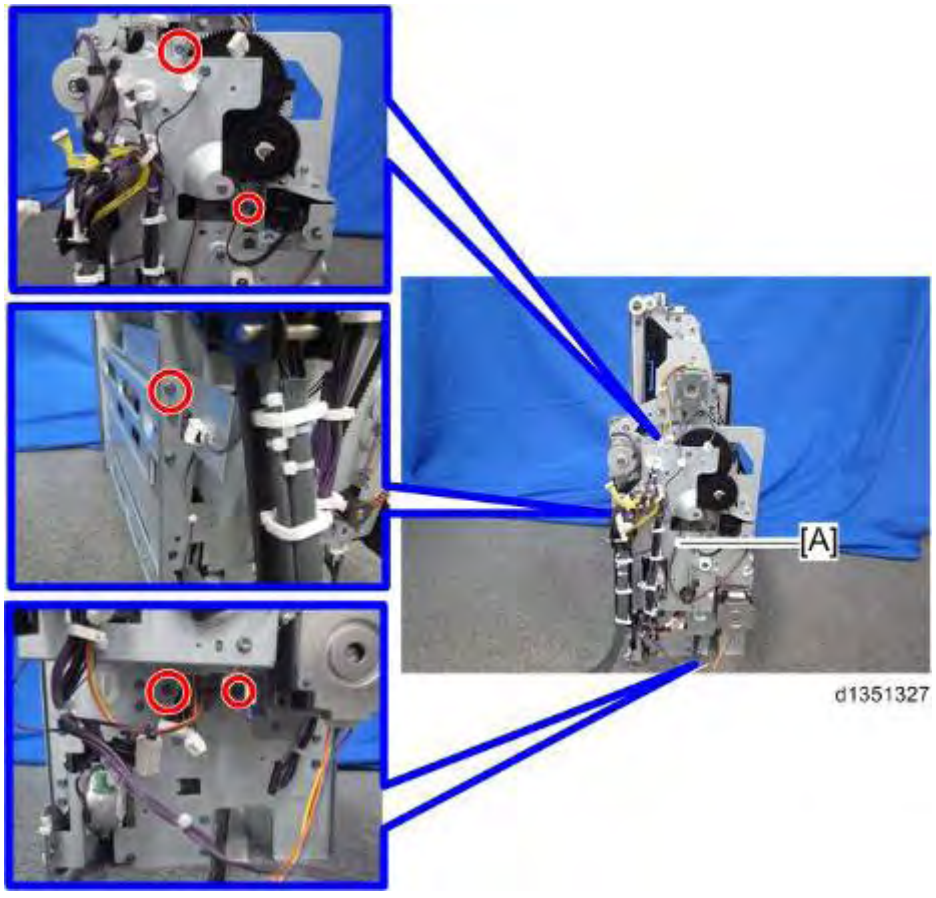
6. Disconnect the 9 connectors shown below. (x 9)



7. Disconnect the 2 connectors shown below. (x 2)

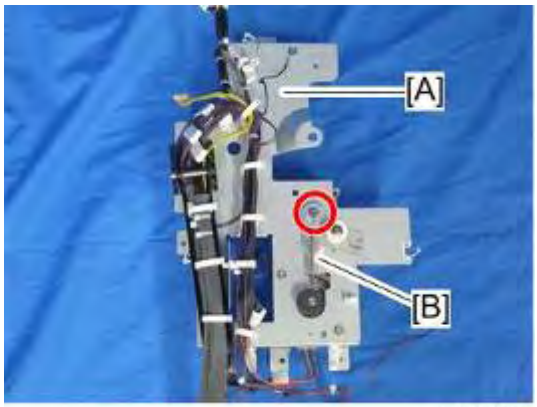
d1351326

8. Press folding motor bracket [A] (x 5)

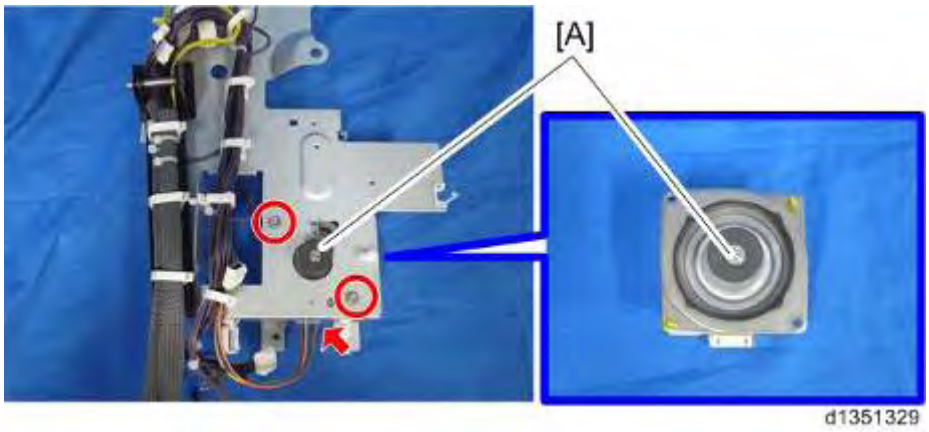


d1351327

9. Remove the spring [B] from the press folding motor bracket [A] (x 1, spring x 1)

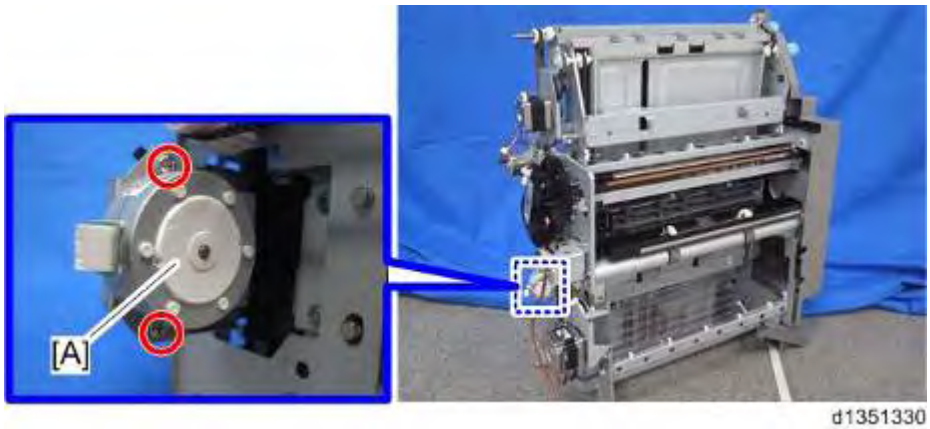


10. Remove the press folding motor [A] (x 2, x 1)



1.5.3 BOOKLET JOGGER MOTOR

1. Stapler unit (☛page 26)
2. Press folding motor bracket (☛page 28 "Press Folding Motor")
3. Booklet Jogger Motor [A] (x 2)



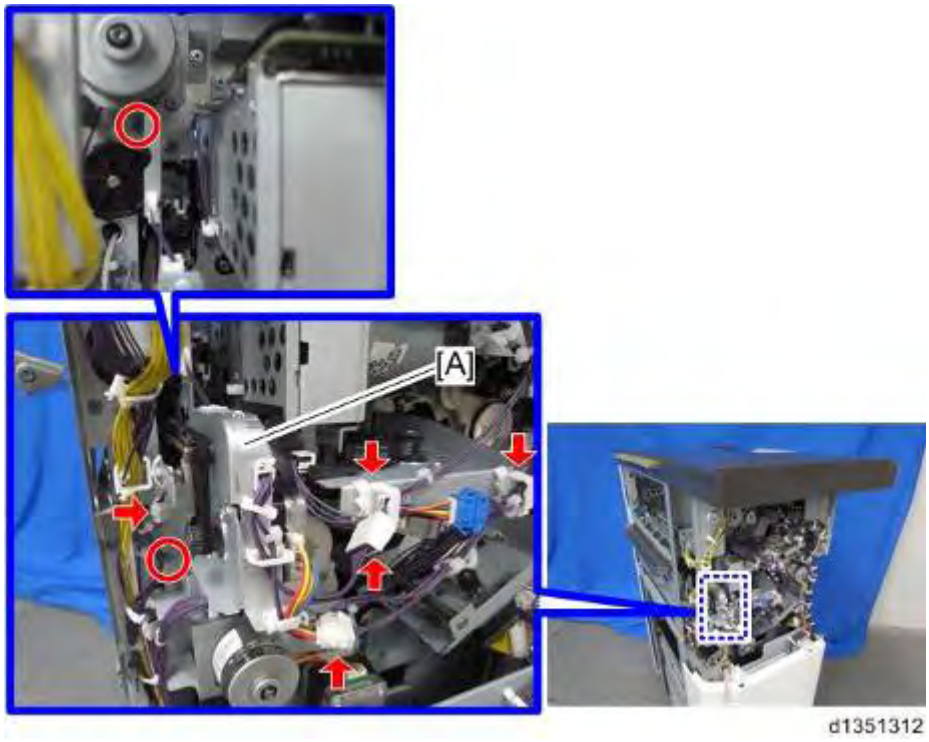
1.6 PUNCH UNIT

The punch unit is already adjusted in the factory, so you don't need to adjust it. When you need to replace the parts of the punch unit, replace the whole unit.

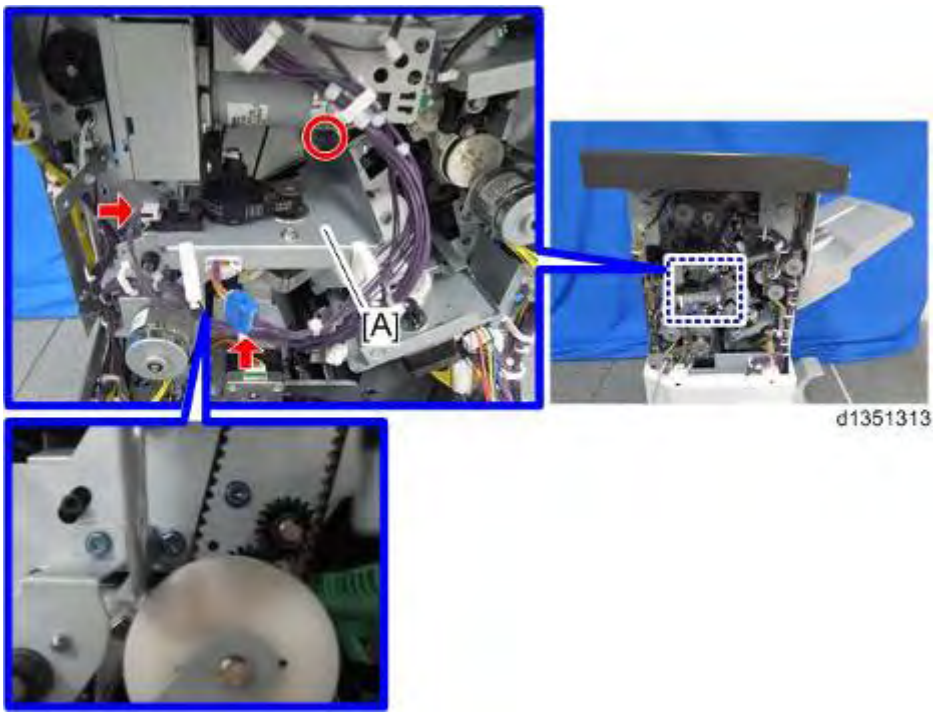
Note

- Do not disassemble the punch unit. This unit is precisely adjusted in the factory.
- Do not drop or give a shock to the unit when you replace it. The unit could be damaged.

1. Remove the following covers. (☛page 1 "Exterior Covers")
   - Rear Upper Cover
   - Rear Lower Cover
2. Registration sensor bracket [A] (x 2, x 3, x 2)



3. Stepper motor bracket [A] (x 1, x 2)



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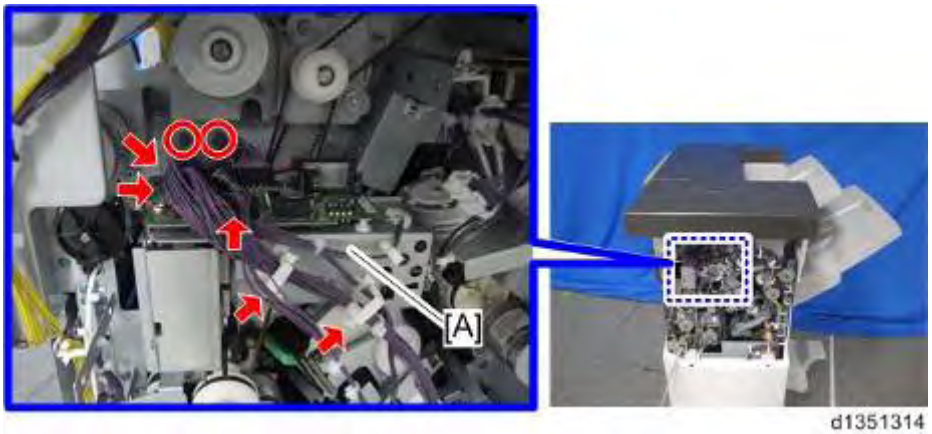
4. Pull out the punch unit [A] (x 2, x 2, x 2)



d1351314

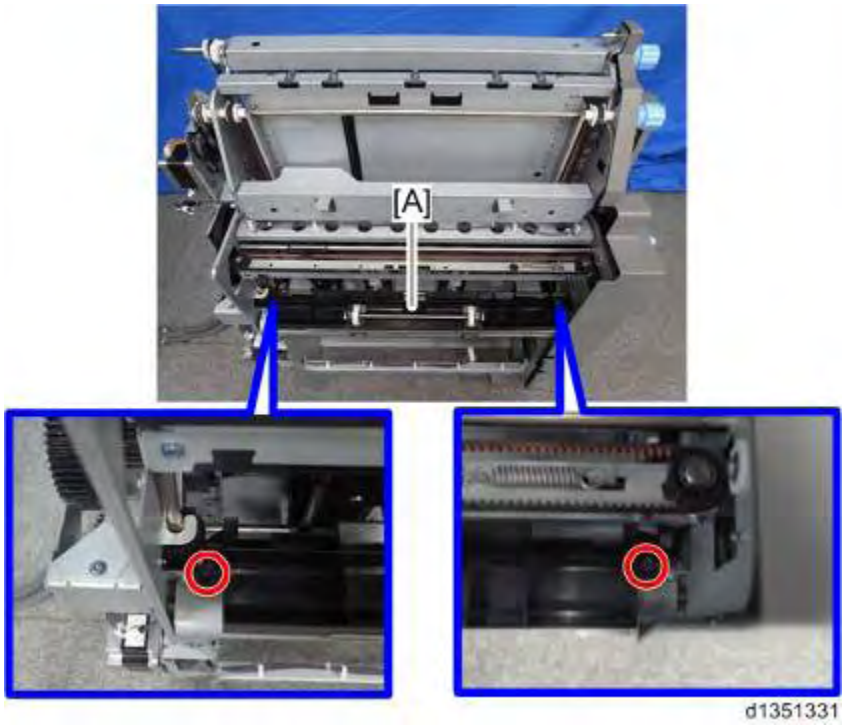
d1351315

1.7 ADJUSTMENT OF THE FLAT FOLD BOOKLET UNIT

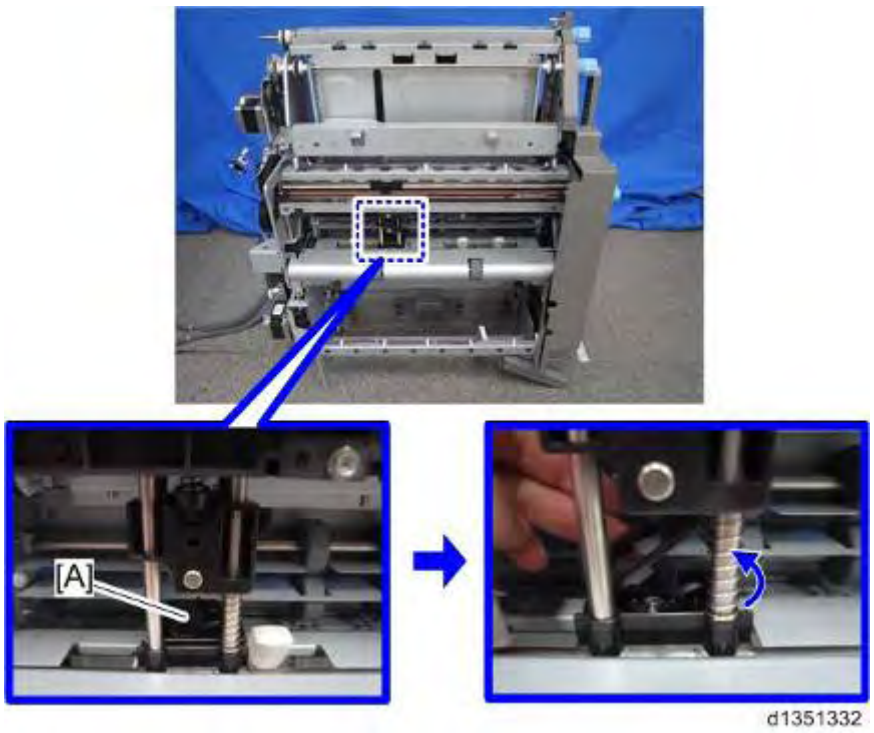
1.7.1 ADJUSTING THE ALIGNMENT OF THE FLAT FOLD ROLLERS

To adjust the folding strength, adjust the difference in vertical alignment between the flat fold rollers.

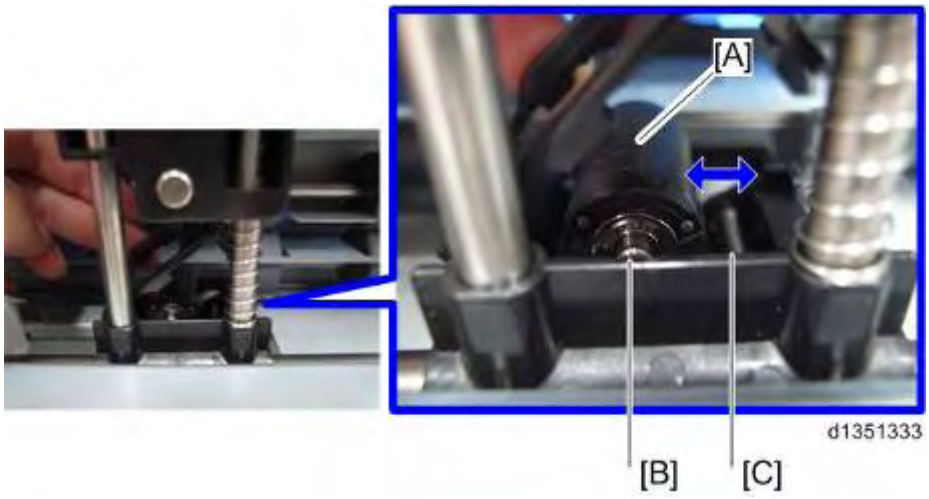
1. Stapler unit (☛page 26 "Stapler Unit")
2. Fold plate bracket [A] (x 2)

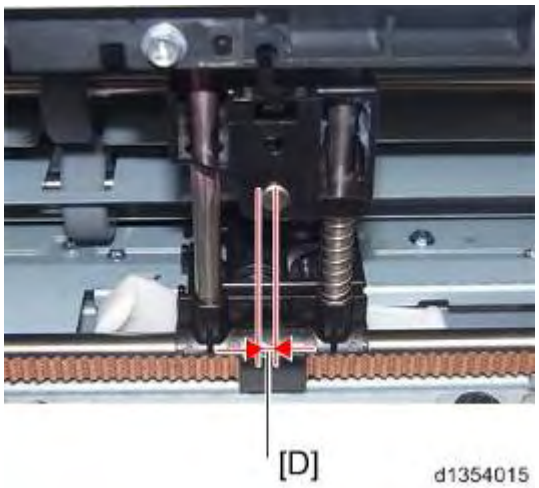


3. Open the bracket [A] of the flat fold roller.



4. Adjust the position of the flat fold lower roller [A] to adjust the difference in alignment between the upper and lower rollers of the flat fold booklet unit.





Note

- With the factory default, the upper and lower rollers of the flat fold booklet unit are not aligned vertically. There is a 3mm difference [D] between the upper and lower rollers. However, you can change the lower roller position from [B] (factory default) to [C]. If you change the lower roller position to [C], the difference becomes 0mm. In this condition, the upper and lower rollers are aligned vertically.
- If the toner does not stick well to the folding line of the booklet due to excessive folding strength, change the lower roller position to [C]. In this position, the booklet will be thicker than the factory default position.
- If you want increase the folding strength, the lower roller position should be [B] (factory default position). In addition, this will make the booklet thinner.
  If you want to reduce the folding strength, the lower roller position should be [C] (the difference in alignment is 0mm). In addition, this will make the booklet thicker.

Difference in Alignment and Folding Strength

Difference in Alignment	Folding Strength	Thickness of the booklet	The amount of toner sticking to the folding line
3mm (default)	Strong	Thin	OK
0mm	Weak	Thick	Good

5. Close the bracket after the adjustment.
6. Reassemble the machine.

1.7.2 ADJUSTING THE FOLDING SPEED

You can adjust the thickness of the booklet by adjusting the moving speed of the flat fold booklet unit.

If you want to make the booklet thinner, set a slower speed. If you want to make the booklet thicker, set a faster speed.

1. Enter the SP mode.
2. Set the moving speed of the flat fold booklet unit for each paper size with SP6-114-001 to 010 (Fold Speed Adj.: 2K/3K FIN).

SP	Setting Items	Selection	Default Value
SP6-114-001	Fold Speed Adj.: 2K/3K FIN: A3 SEF	0: Standard 1: Middle 2: Low Note ▪ [0: Standard] is faster than [1: Middle].	0: Standard
SP6-114-002	Fold Speed Adj.: 2K/3K FIN: B4 SEF		
SP6-114-003	Fold Speed Adj.: 2K/3K FIN: A4 SEF		
SP6-114-004	Fold Speed Adj.: 2K/3K FIN: B5 SEF		
SP6-114-005	Fold Speed Adj.: 2K/3K FIN: DLT SEF		
SP6-114-006	Fold Speed Adj.: 2K/3K FIN: LG SEF		
SP6-114-007	Fold Speed Adj.: 2K/3K FIN: LT SEF		
SP6-114-008	Fold Speed Adj.: 2K/3K FIN: 12"x18"		
SP6-114-009	Fold Speed Adj.: 2K/3K FIN: 8K SEF		
SP6-114-010	Fold Speed Adj.: 2K/3K FIN: Other		

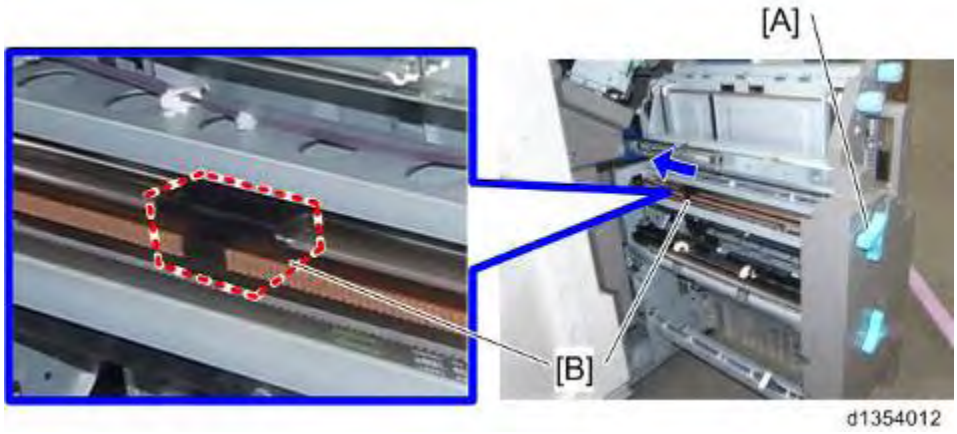
3. Exit the SP mode.

1.7.3 FLAT FOLD BOOKLET UNIT HOME POSITION ADJUSTMENT

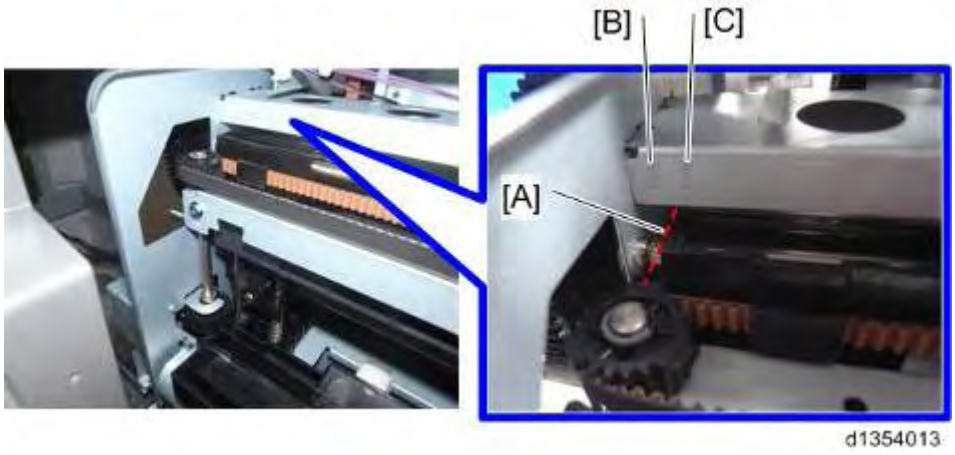
1. Pull out the stapling unit [A].

2. Timing gear [A] (x 1)

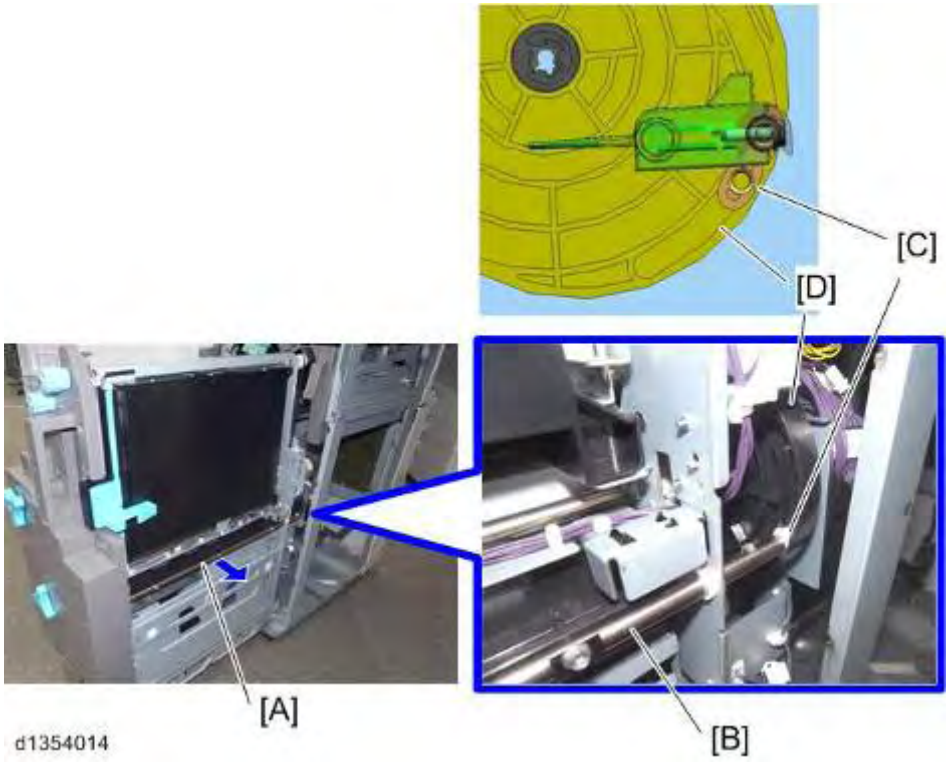
3. Turn the knob [A] clockwise to move the flat fold roller unit [B] in the direction of the arrow.



4. Move the flat fold roller unit until the edge of the unit [A] is between the guide lines [B] and [C] inscribed on the bracket.



5. Check that the fold plate [A] has been moved in the direction of the arrow as far as it can go and the bushing on the rear end of the fold plate shaft [B] is aligned with the fold plate positioning cam [D].



6. Re-attach the timing gear [A] (x 1)

7. Reassemble the finisher and connect it to the copier.
8. Turn on the copier.
9. After the finisher initialization is complete, check that the flat fold roller unit, fold plate and the cam are positioned as described in steps 4 and 5.

D707

FINISHER SR4110

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

FINISHER SR4110 (D707)

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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual.

Symbols

This manual uses the following symbols.

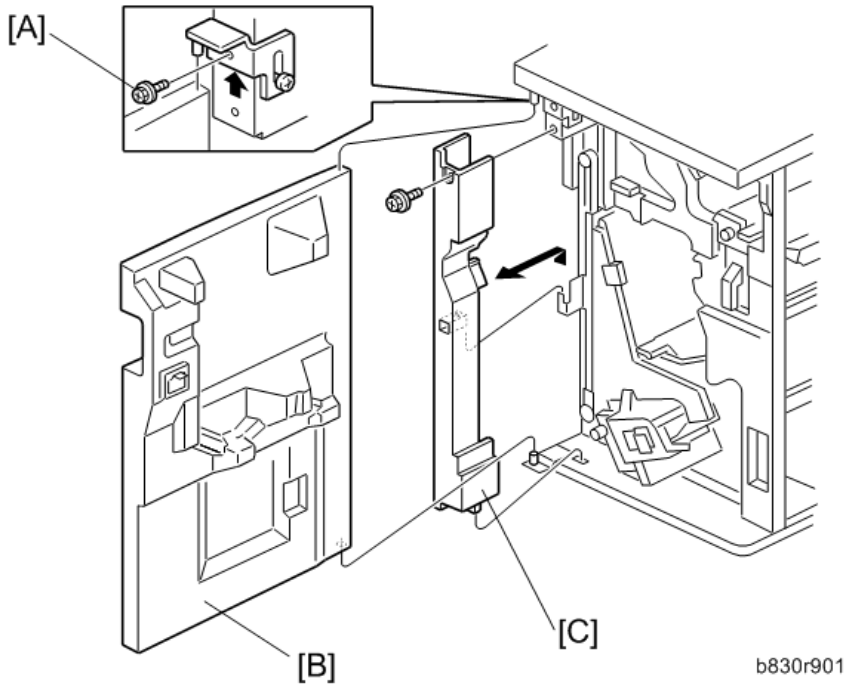
Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

1. REPLACEMENT AND ADJUSTMENT

1.1 COVERS

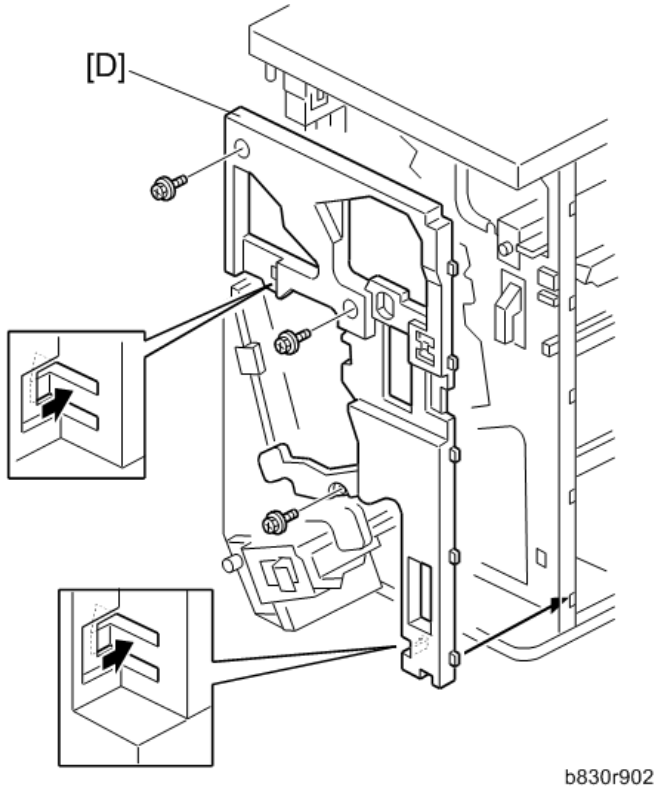
1.1.1 FRONT DOOR, LEFT INNER COVER, INNER COVER

1. Remove the front door screw [A] (x 1).
2. Front door [B]
3. Left inner cover [C] (x 1)



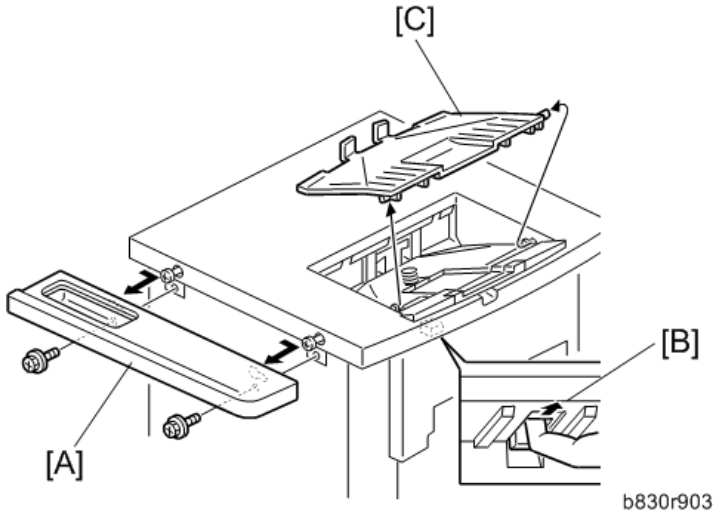
1.1.2 INNER COVER

1. Inner cover [D] (x 3)



1.1.3 SIDE TABLE AND UPPER TRAY

1. Remove the side table [A] (x 2). Slide to the right to remove it.
2. Click the release lever [B] and remove the upper tray [C].



1.1.4 LEFT COVERS, REAR COVER, TOP COVER, SHIFT COVER

Left Covers, Rear Cover

1. Remove the following.
   - Shift tray jogger unit (☛page 23 "Jogger Unit")
   - Front door and left inner cover (☛page 1 "Front Door, Left Inner Cover, Inner Cover")
2. Left upper cover [A] (x 2, x 2)
3. Rear cover [B] (x 2)
4. Left lower cover [C] (x 4)

Top Cover

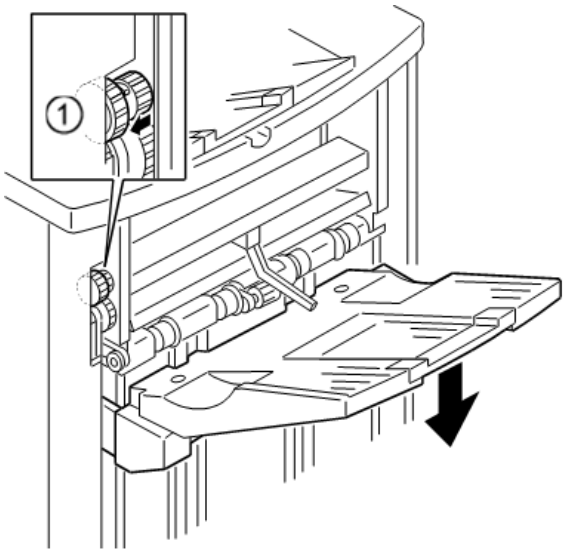
1. Side table and upper tray (☛page 2)
2. Step screws [D] (x 2).
3. Top cover [E] (x 2)
   Slide to the right to remove.

Shift Tray

1. Shift tray [F] (x 4)

Note

- If you need to lower the shift tray, support the bottom of the tray with your hand, then pull the gear toward you ① to release the tray and lower it.



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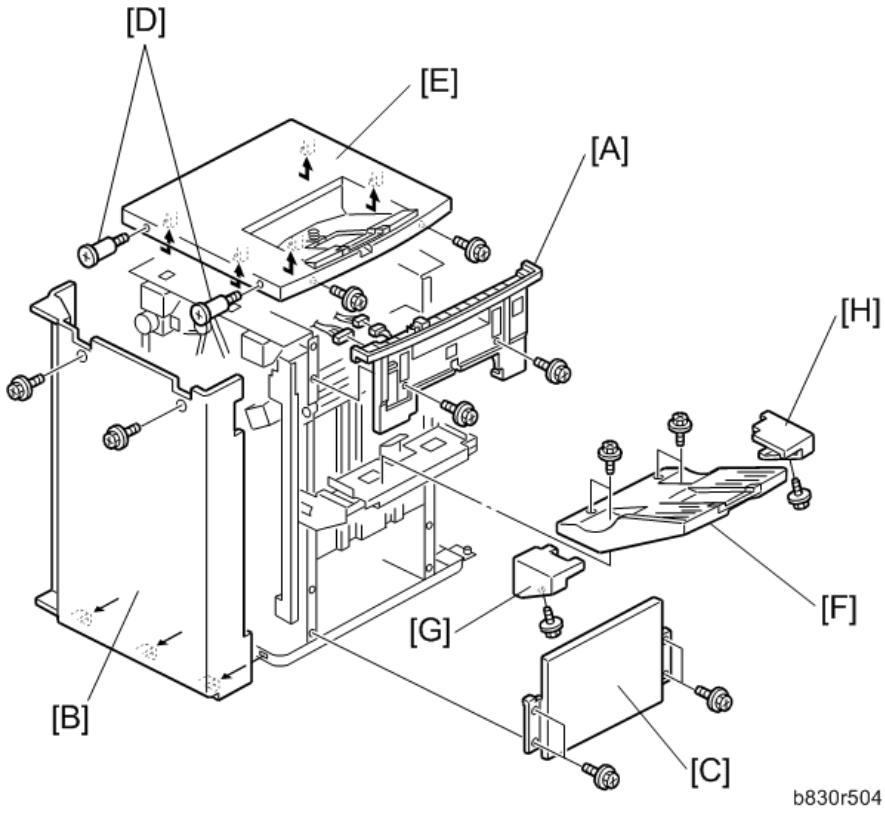
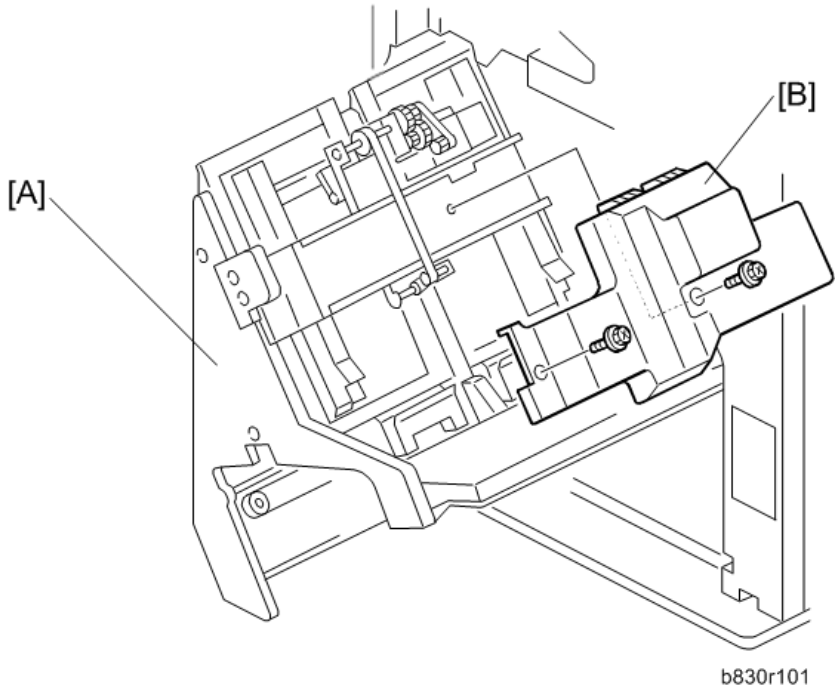
1. Shift tray rear cover [G] (x 1)
2. Shift tray front cover [H] (x 1)



1.1.5 JOGGER UNIT COVER

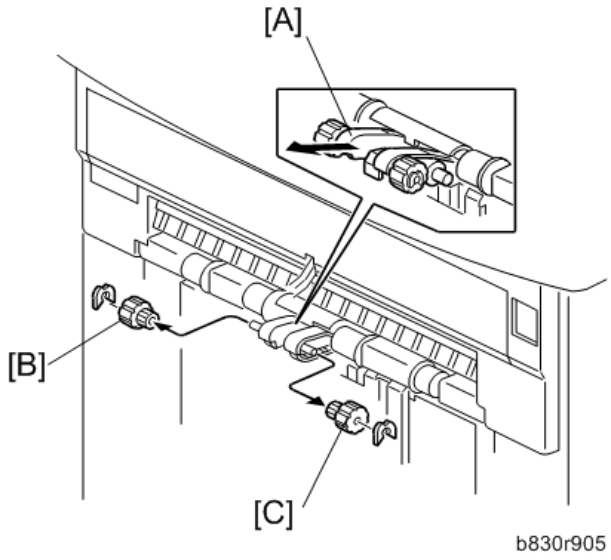
1. Open the front door.
2. Pull out the stapler tray unit [A].
3. Jogger unit cover [B] (x2)



1.2 ROLLERS

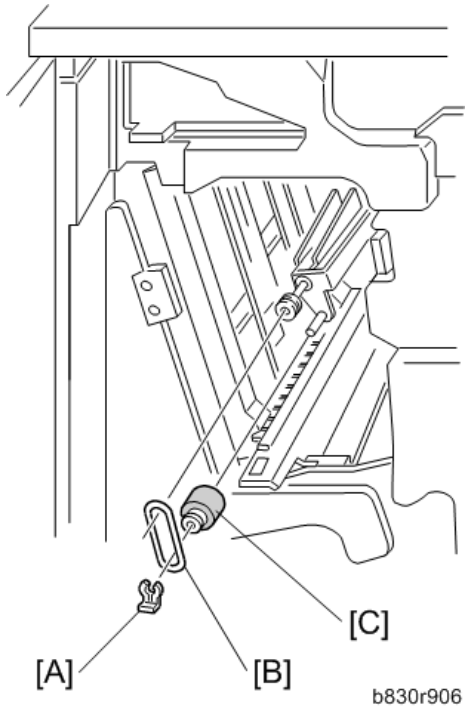
1.2.1 DRAG ROLLER

1. Above the shift tray, pull the roller mount [A] out.
2. Remove the rollers [B] and [C] (x 1 each)



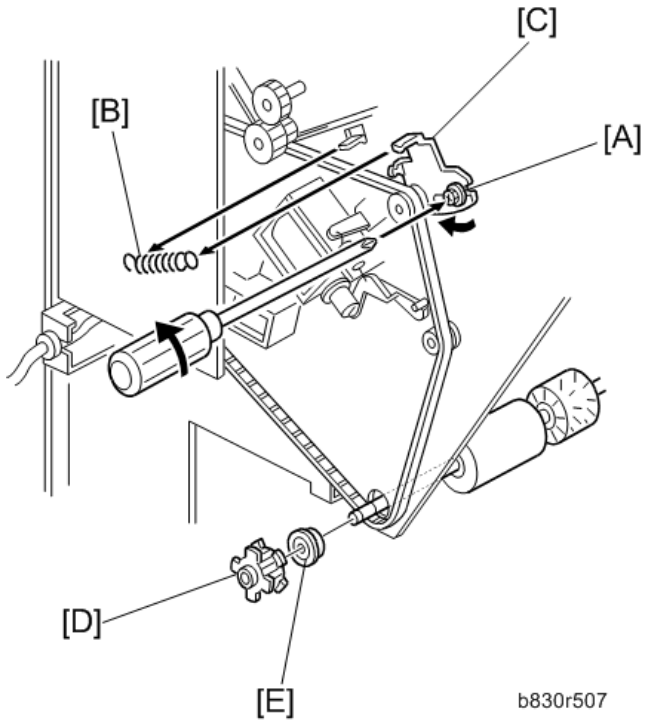
1.2.2 POSITIONING ROLLER

1. Jogger unit cover (☛page 4)
2. Snap ring [A]
3. Rubber belt [B]
4. Positioning roller [C]

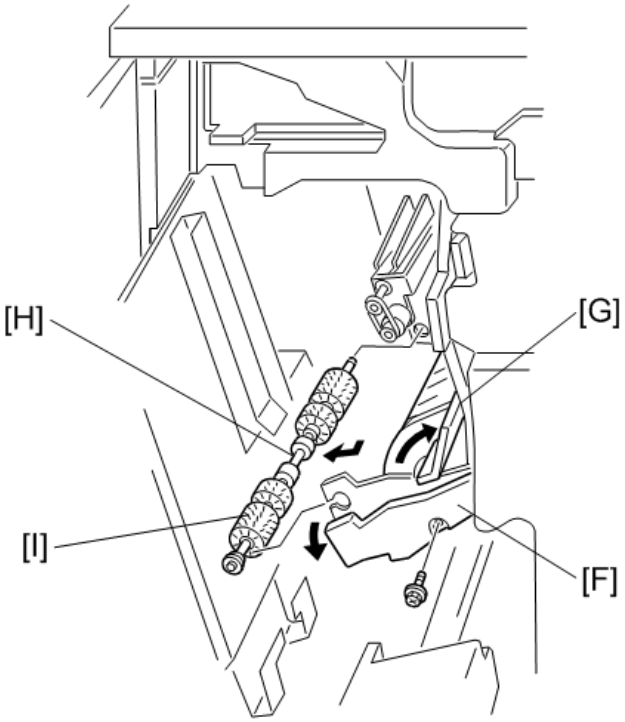


1.2.3 ALIGNMENT BRUSH ROLLER

1. Open the front door and pull out the staple unit.
2. Rear cover.
3. Remove the main board bracket and all connectors (x 8). (page 14 "Main Board, Pre-Stack Paper Sensor")
4. Remove the screw [A] and tension spring [B] for the tension bracket [C], and release the tension of the timing belt.
5. Pulley [D] and bearing [E].



6. Inner cover [F] (x 1)
7. Open the guide [G], then remove the alignment brush roller assembly [H].
8. Alignment brush roller [I] (x2, Bearing x 1 front/back, C x1).


[H]
[G]
[I]
[F]
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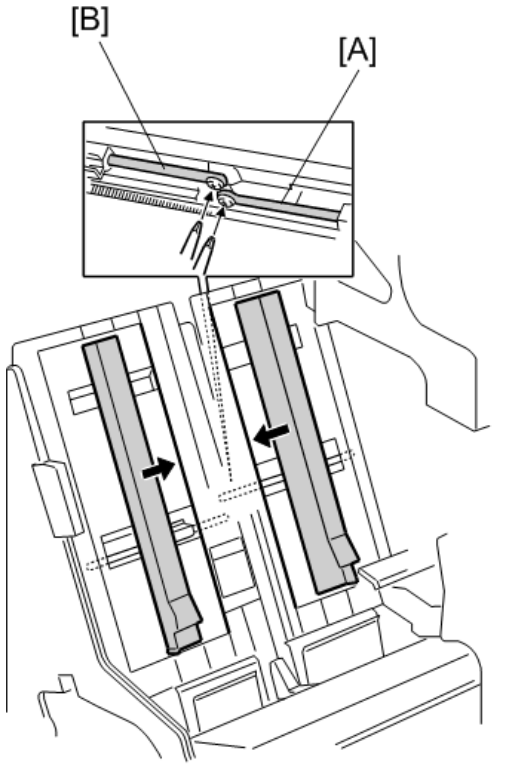
1.2.4 JOGGER FENCE

1. Open the front door.
2. Pull out the jogger and stapler unit.
3. Push both fences to the center.
4. Left jogger fence [A] (x 1)
5. Right jogger fence [B] (x 1)

Note

- If the screws are difficult to remove or re-attach, remove the jogger fence belt and spring plate.



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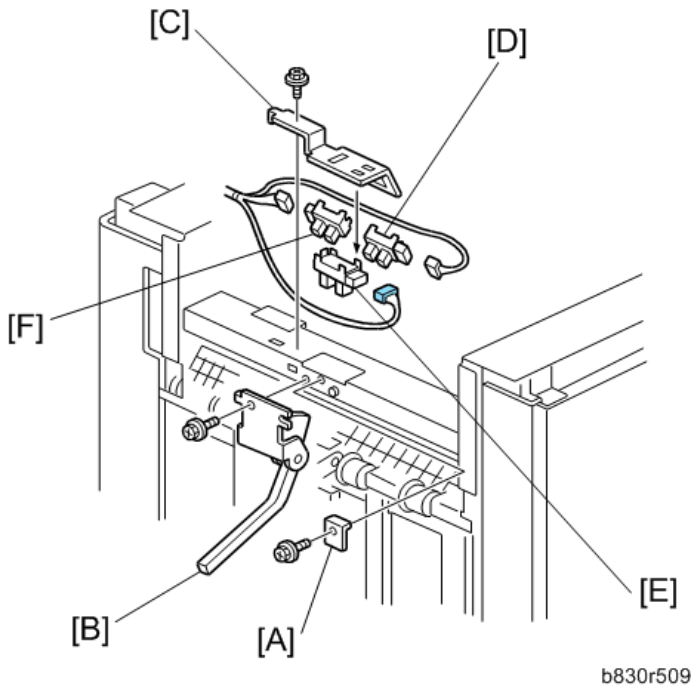
1.3 SENSORS

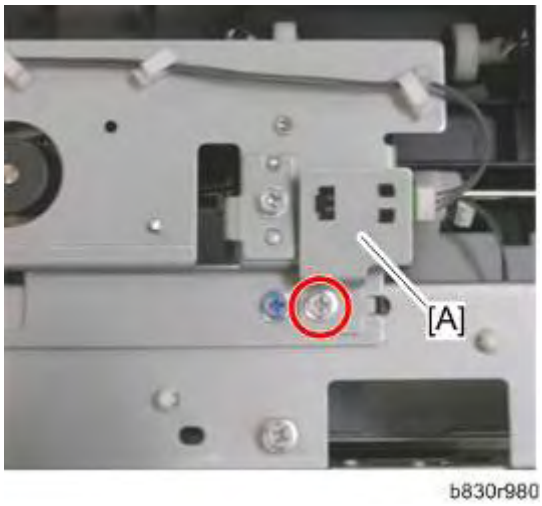
1.3.1 PAPER HEIGHT SENSORS

1. Remove the following.
   - Top cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
   - Left upper panel and left upper cover (x 2, x 2) (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Protector plate [A] (x 1)
3. Feeler [B] (x 1)
4. Sensor bracket [C] (x 1)
5. Paper height sensor – staple mode [D] (x 1, Pawls x4)
6. Paper height sensor – standby mode [E] (x 1, Pawls x4)
7. Paper height sensor – shift/Z-Fold [F] (x 1, Pawls x4)



1.3.2 EXIT GUIDE HP SENSOR

1. Top cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Left upper panel and left upper cover (x 2, x 2)
3. Sensor bracket [A] (x 1)



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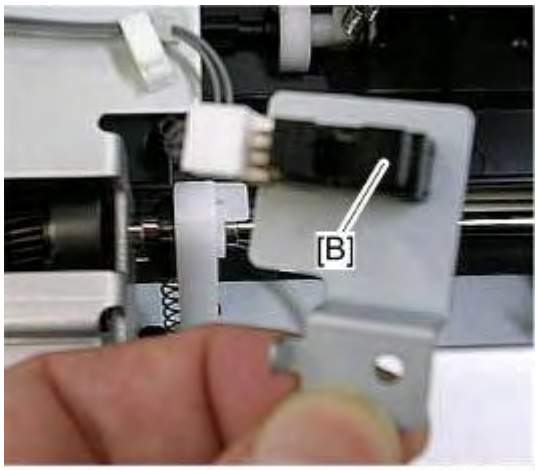
4. Exit guide HP sensor [B] (x 1, Pawls x3)



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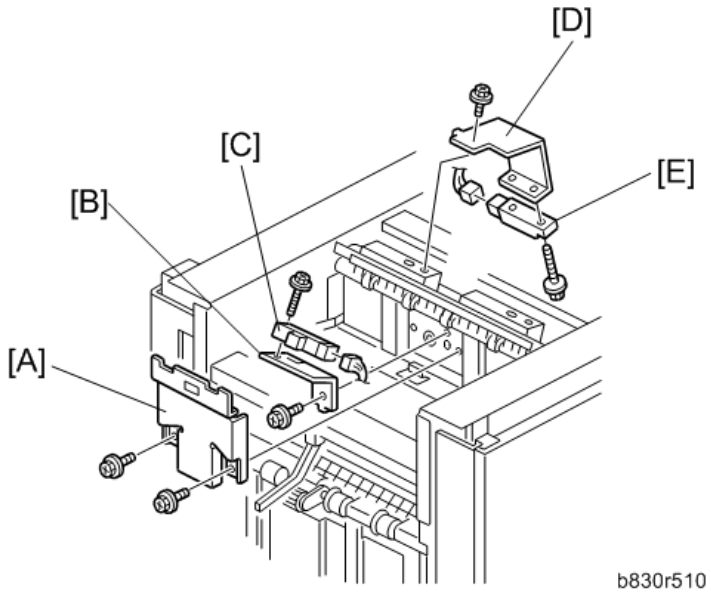
1.3.3 UPPER TRAY FULL AND EXIT SENSORS

Upper Tray Full Sensor

1. Top cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Sensor cover [A] (x 2)
3. Sensor bracket [B] (x 1)
4. Upper tray full sensor [C] (x 1, x1)

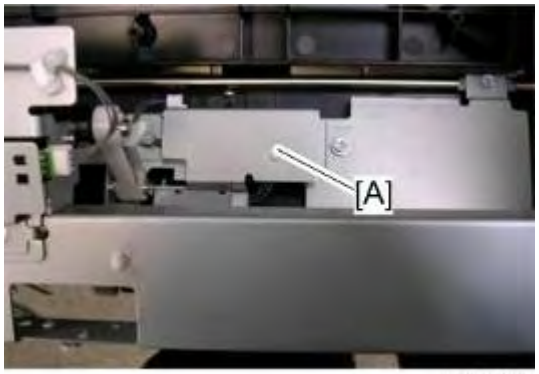
Upper Tray Exit Sensor

1. Sensor bracket [D] (x 1)
2. Upper tray exit sensor [E] (x 1, x 1)



1.3.4 SHIFT TRAY EXIT SENSOR

1. Top cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Sensor bracket [A] (x1)



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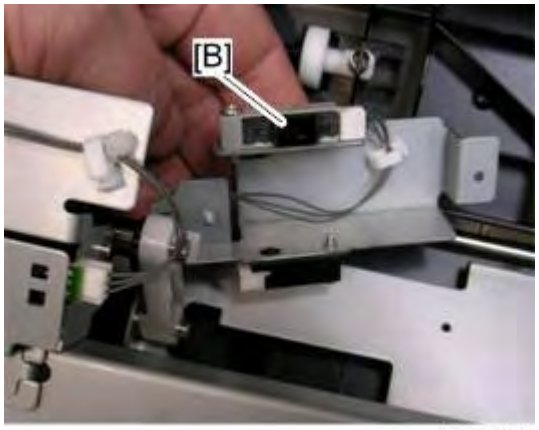
3. Shift tray exit sensor 1 [B] (x1, x1)



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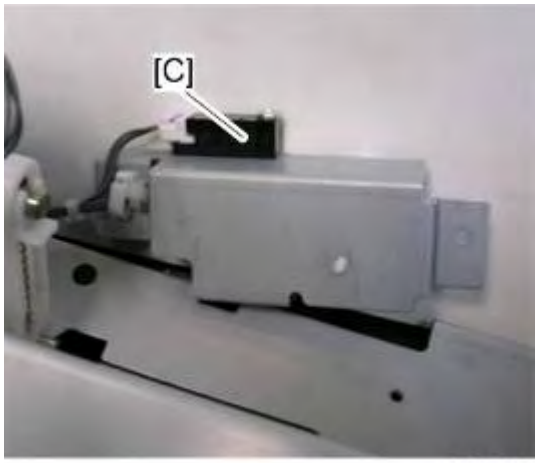
4. Shift tray exit sensor 2 [C] (x1, x1)



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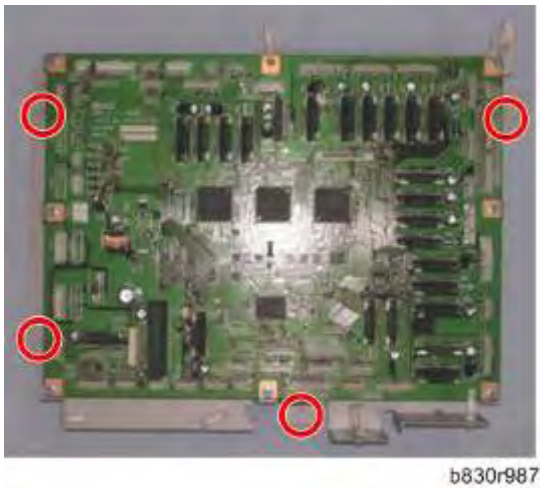
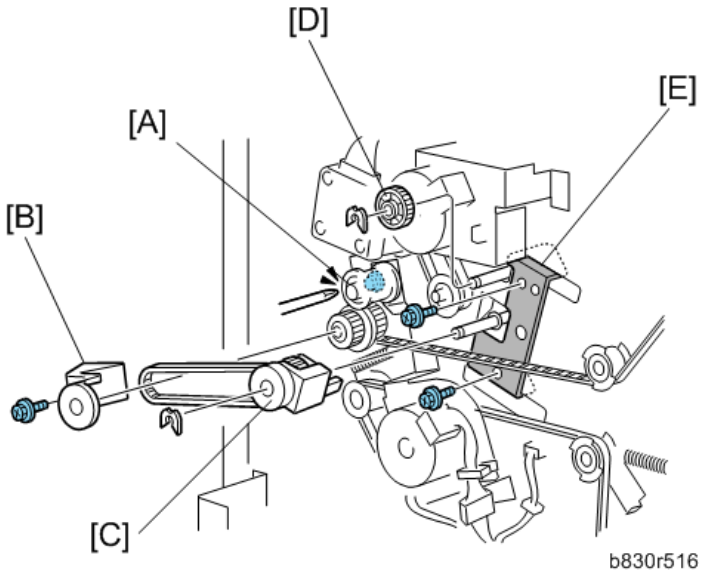
1.3.5 MAIN BOARD, PRE-STACK PAPER SENSOR

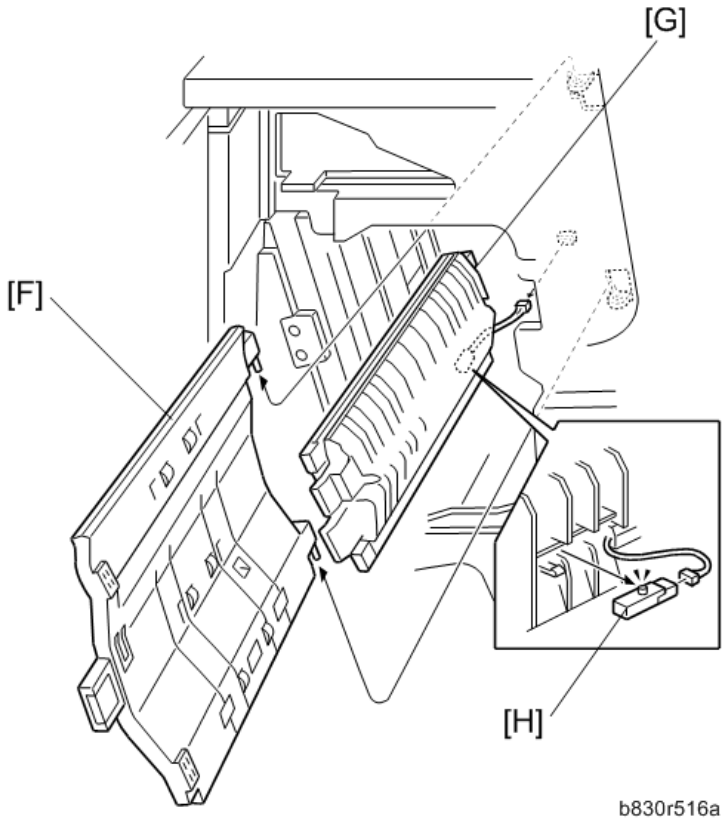
1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Main board bracket (x 4, x8, x All)



3. Open the front door.
4. Loosen the screw [A] (x1)
5. Gear cover [B] (x1)
6. Gear [C] (x1, Timing belt x1)
7. Gear [D] (x1)
8. Plate [E] (x2)

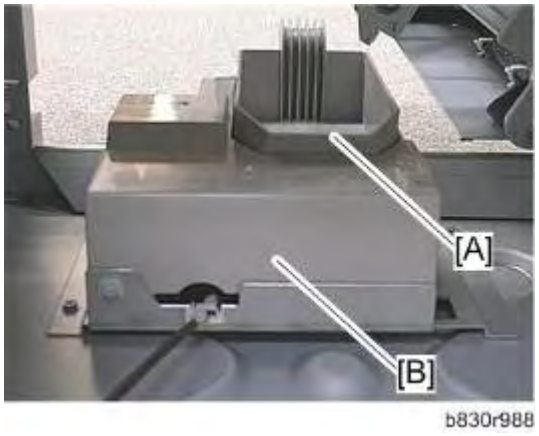


9. Left vertical transport guide [F]
10. Middle vertical transport guide [G]
11. Pre-stack paper sensor [H] (x1)

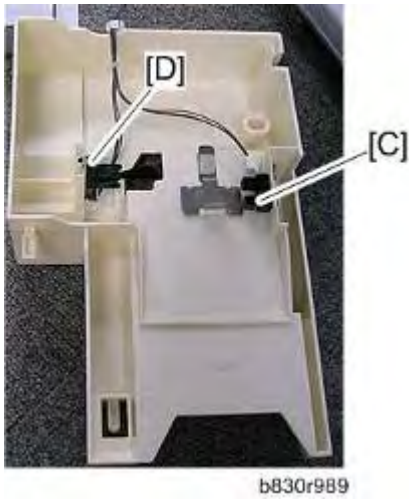


1.3.6 STAPLE TRIMMINGS HOPPER FULL SENSOR

1. Open the front door
2. Pull out the stapler unit
3. Rear cover (x 2)
4. Staple trimmings hopper [A]
5. Hopper holder [B] (x1, Hook x1, x1)

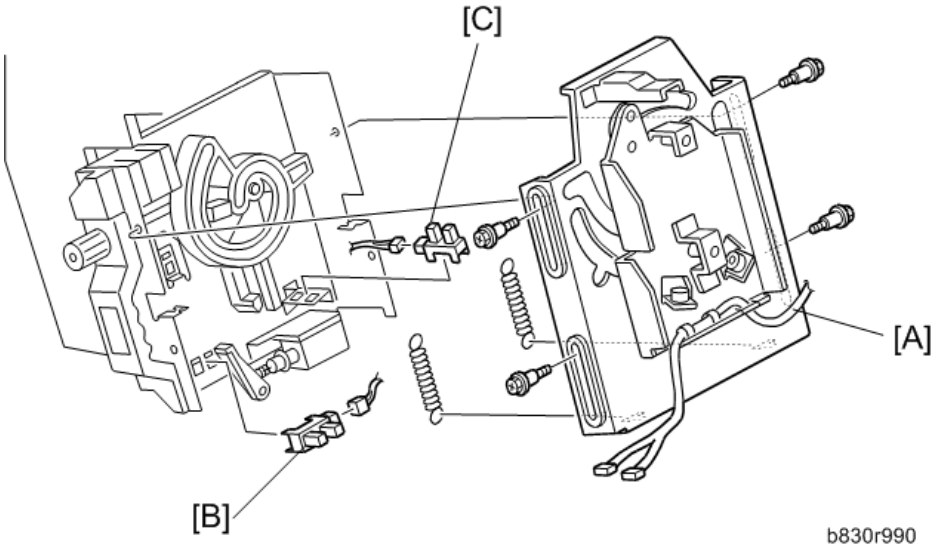


6. Hopper full sensor [C] (x 1)
7. Hopper set sensor [D] (x 1)



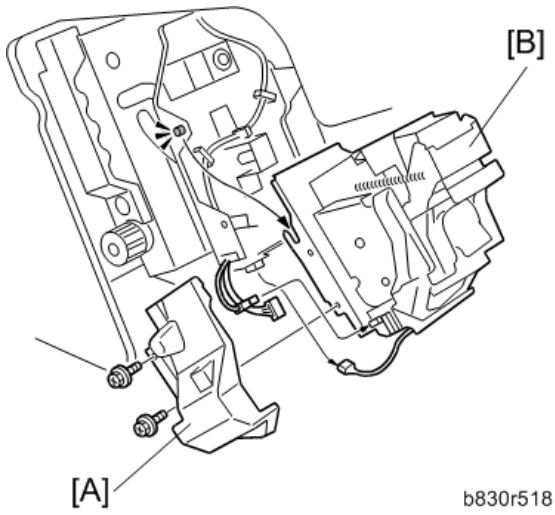
1.3.7 STAPLER ROTATION HP AND STAPLER RETURN SENSORS

1. Stapler unit (☛page 17 "Stapler")
2. Stapler mount bracket [A] (x 4) (Springs x 2)
3. Stapler rotation HP sensor [B] (x 1)
4. Stapler return sensor [C] (x 1)



1.3.8 STAPLER

1. Open the front door and pull out the staple tray.
2. Stapler unit harness cover [A] (x 2)
3. Lift the stapler [B] off of its pegs (x 2)

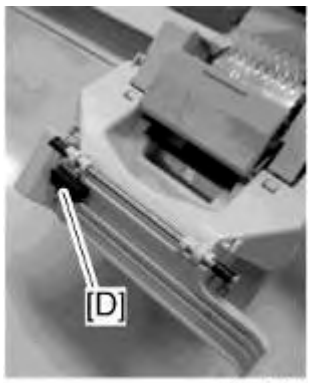


b830r518

4. Plate [C] (x 2)
5. Attach this plate to the new stapler with the same screws. (x 2)

b830r421

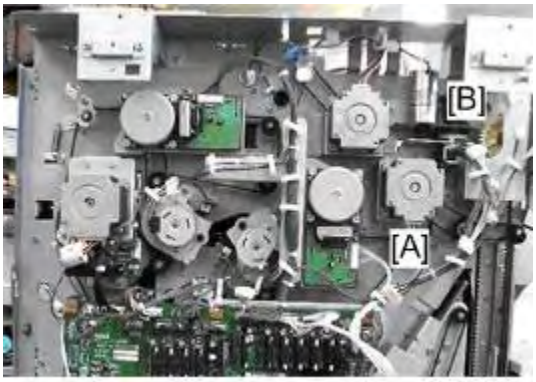
6. Replace the frame guard [D] with the one provided with the new stapler.



b830r422

1.4 SHIFT TRAY

1.4.1 SHIFT TRAY EXIT, SHIFT TRAY LIFT MOTOR

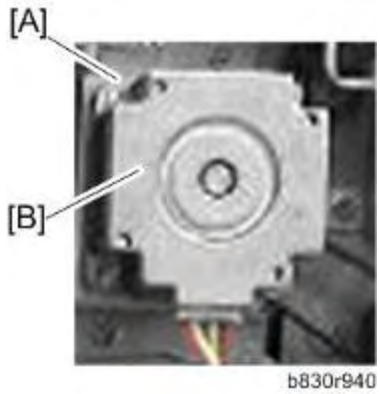


b830r901a

[A]	Shift Tray Exit Motor
[B]	Shift Tray Lift Motor

Shift Tray Exit Motor

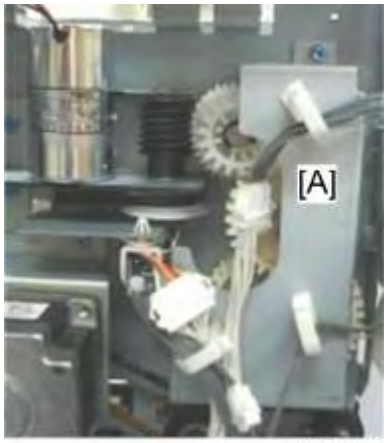
1. Rear cover (Ldft Covers, Rear Cover)
2. Shift tray exit motor bracket [A] (x2, x1, x1, Timing belt x1)
3. Shift tray exit motor [B] (x2)



b830r940

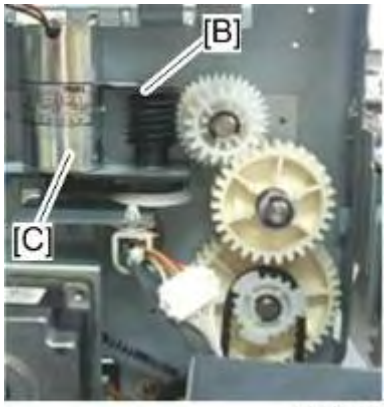
1.4.2 SHIFT TRAY LIFT MOTOR

1. Rear cover (Left Covers, Rear Cover)
2. Gear cover [A] (x2)



b830r946

3. Shift tray lift motor bracket [B] (x2)
4. Shift tray lift motor [C] (x2, x1, Timing belt x1)



b830r947

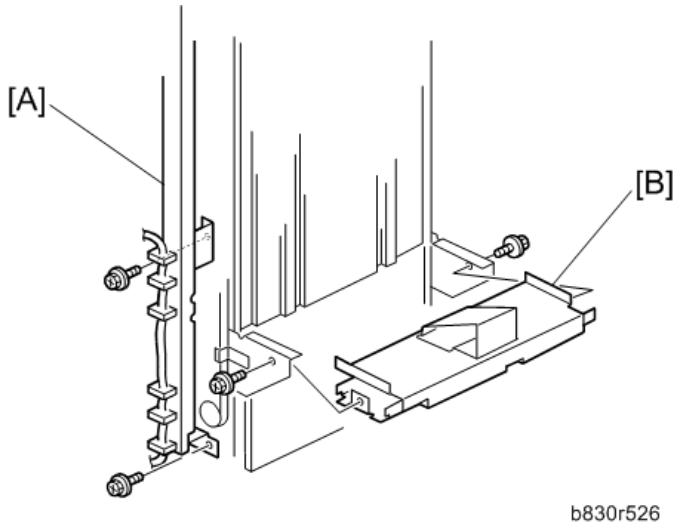
1.4.3 DRAG ROLLER/DRAG DRIVE MOTORS, DRAG DRIVE HP SENSOR

1. Remove the followings.
2. Front door and all covers, except the left lower cover and top cover (☛page 1 "Covers")

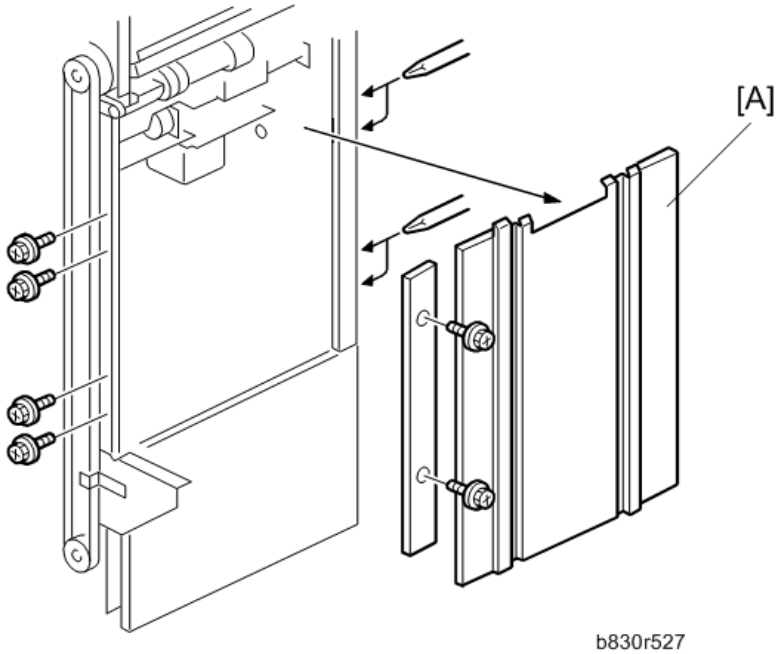
Note

- Be sure to lower the shift tray by pulling the gear toward you. The shift tray must be down.

3. Left stay [A] (x 2)
4. Shift tray mounting plate [B] (x 2)



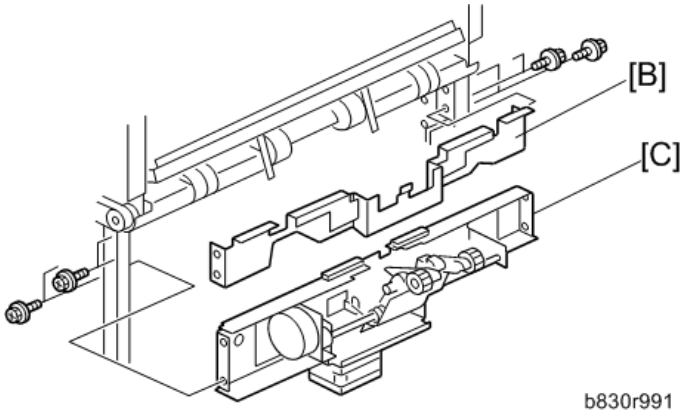
5. End fence [A] and plate (x8, x6, x2)



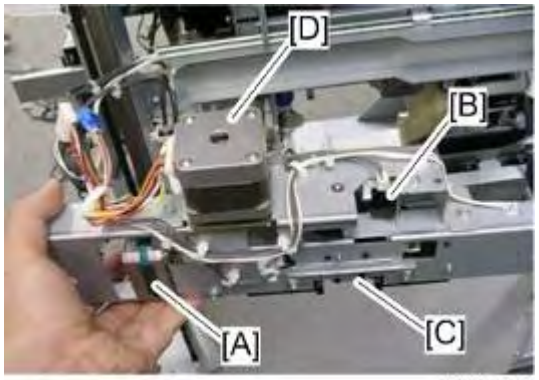
6. Cover [B] (x 4)
7. Motor stay [C] (x4, x7, x4)

Note

- Make sure the motor and sensor connectors are disconnected before removing.

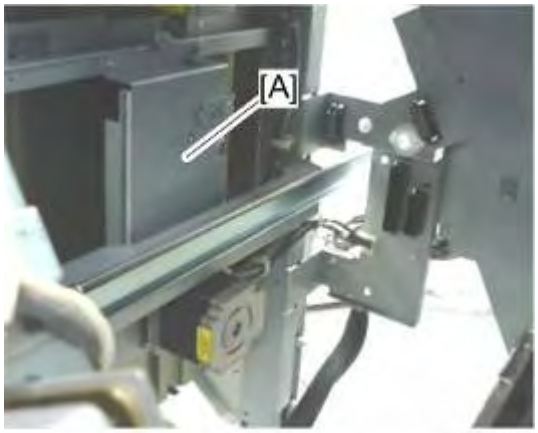


8. Drag roller motor unit [A] (Bearing x1, x2, x1)
9. Drag roller motor (x2)
10. Drag roller HP sensor unit [B] (x1)
11. Drag roller HP sensor (x1, Pawls x3)
12. Paper height sensor – shift/Z-fold unit [C] (x2, x2)
13. Paper height sensor shift/Z-fold (x1, Pawls x3)
14. Drag drive motor unit (x4, x2)
15. Drag drive motor [D] (x2)



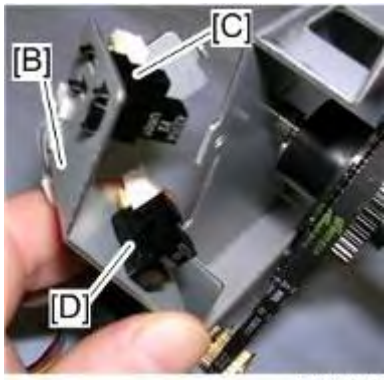
1.4.4 SHIFT MOTOR AND SENSORS

1. End fence (☛page 20 "Drag Roller/Drag Drive Motors, Drag Drive HP Sensor")
2. Shift motor bracket [A] (with motor) (x 4, x1, x1)



b830r950

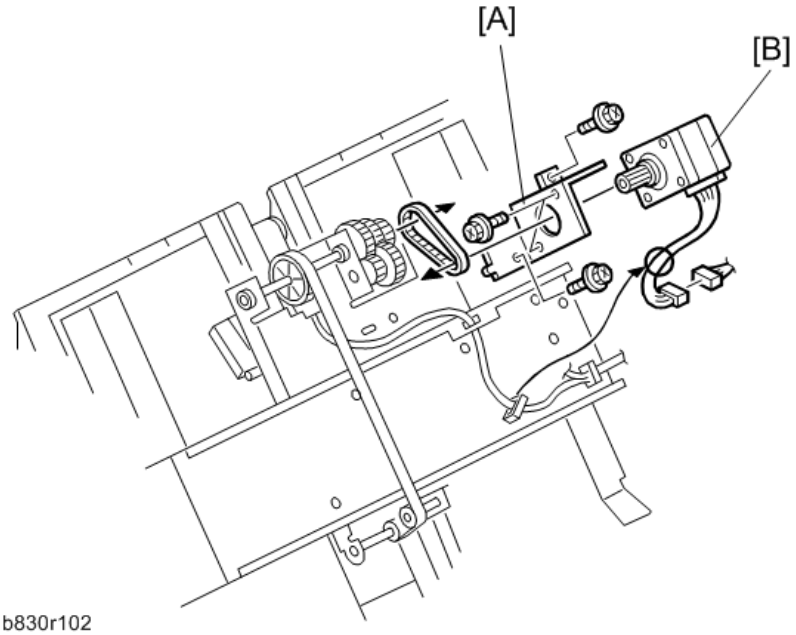
3. Shift motor (x4)
4. Half-turn sensor bracket [B] (x 1)
5. Half-turn sensor 1 [C] (x1, Pawls x3)
6. Half-turn sensor 2 [D] (x1, Pawls x3)



b830r951

1.4.5 JOGGER TOP FENCE MOTOR

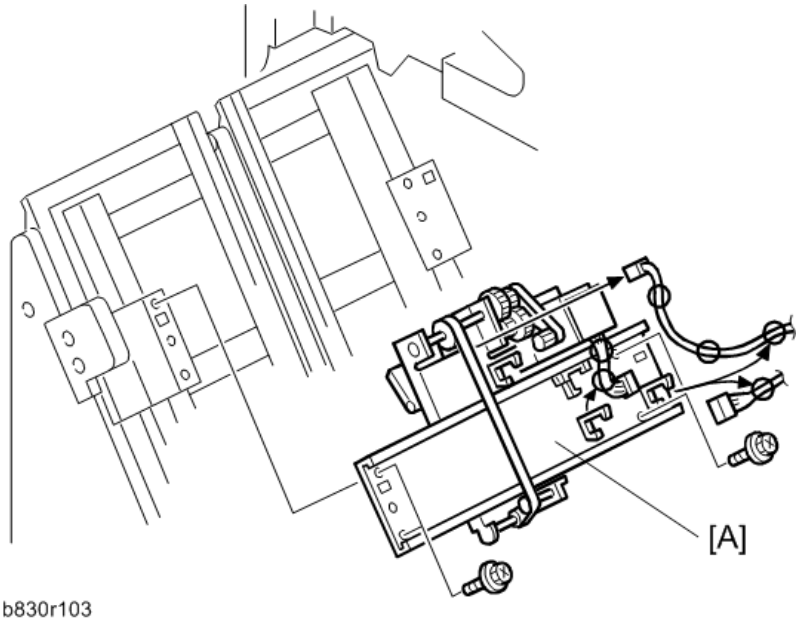
1. Open the front door and pull out the stapler tray unit. (☛page 4 "Jogger Unit Cover")
2. Jogger unit cover (x2)
3. Motor bracket [A] (x2, timing belt x1)
4. Jogger top fence motor [B] (x2, x1, x1)



b830r102

1.4.6 JOGGER UNIT

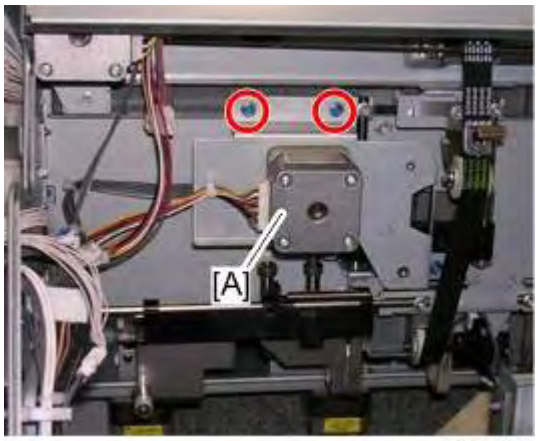
1. Open the front door and pull out the stapler tray unit. (☛page 4 "Jogger Unit Cover")
2. Jogger unit cover (x2)
3. Jogger unit [A] (x4, x5, x5)



b830r103

1.4.7 JOGGER BOTTOM FENCE MOTOR

1. Open the front door and pull out the stapler tray unit. (☛page 4 "Jogger Unit Cover")
2. Jogger bottom fence motor unit [A] (x3, timing belt x1, x1, x1)



b830r993

1.5 PUNCH UNIT

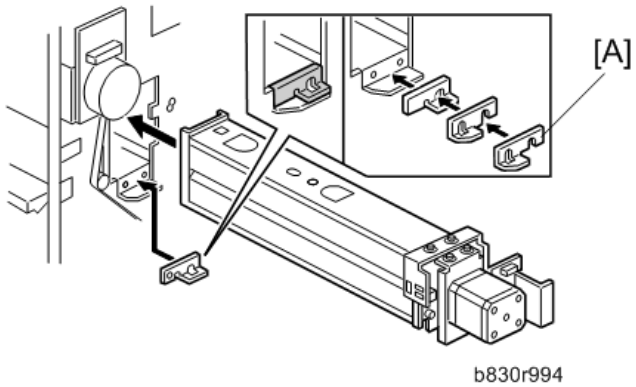
1.5.1 PUNCH POSITION ADJUSTMENT

The position of the punched holes can be adjusted in two ways.

- Front to Rear Adjustment

  Three spacers [A] are provided with the punch unit for manual adjustment of the hole position in the main scan direction:

  - 2 mm (x 1)
  - 1 mm (x 2)



b830r994

Note

- One spacer was installed at installation and the remaining spacers were fastened with a screw to the rear frame of the finisher under the rear cover and slightly above the lock bar.

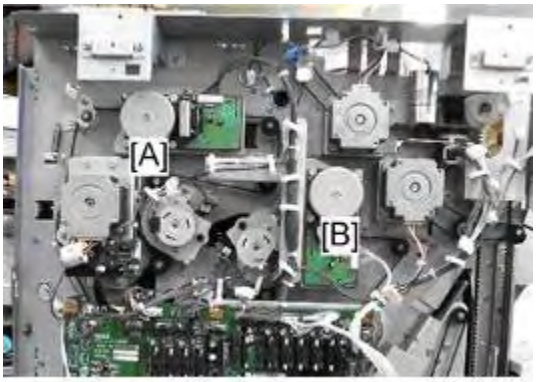
- Right to Left Adjustment

  The position of the punched holes can be adjusted right to left in the sub scan direction with SP6101 Punch Hole Position Adjustment. The position can be adjusted in the range ±7.5 mm in 0.5 mm steps. The default setting is 0.

  Press the # key to toggle the ± selection. A +ve value shifts the punch holes left toward the edge of the paper, and a -ve value shifts the holes right away from the edge.

1.6 MOTORS

1.6.1 TRANSPORT MOTORS, EXIT GUIDE MOTOR



b830r901b

[A]	Upper Transport Motor
[B]	Lower Transport Motor

Upper Transport Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Upper transport motor [A] (x4, x1)

b830r905a

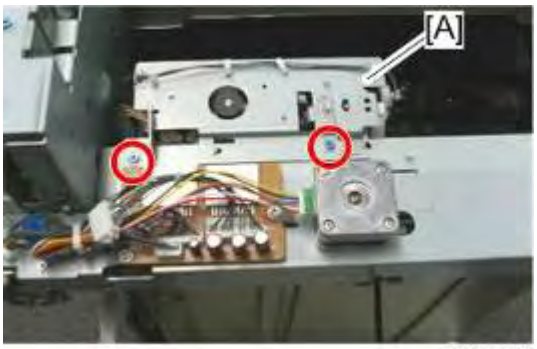
Lower Transport Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Lower transport motor [A] (x4, x1)

b830r906a

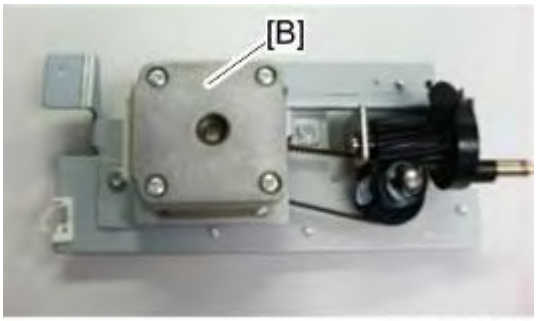
Exit Guide Motor

1. Top cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Bracket [A] (x2, x1)



b830r955

3. Exit guide motor [B] (x2, x1, Timing belt x1)



b830r956

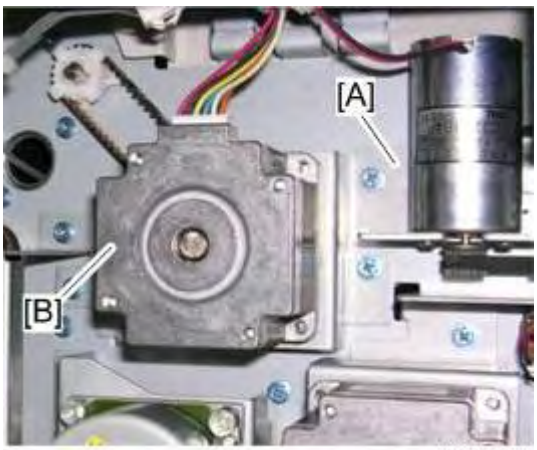
1.6.2 UPPER TRAY MOTORS

b830r901c

[A]	Upper Tray Exit Motor
[B]	Upper Tray Junction Gate Motor

Upper Tray Exit Motor

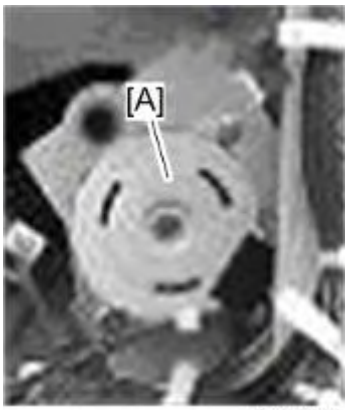
1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Motor bracket [A] (x2, x1)
3. Upper tray exit motor [B] (x2, Timing belt x1)



b830r910

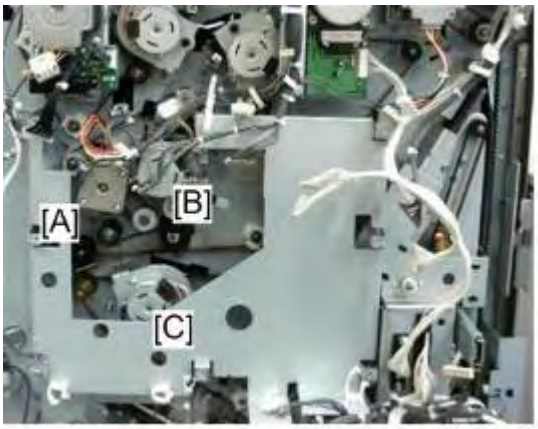
Upper Tray Junction Gate Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Upper tray junction gate motor [A] (x2, x1)



b830r911

1.6.3 PRE-STACK MOTORS



b830r902a

The photograph above shows the main control board removed (x4, x All).

[A]	Pre-Stack Transport Motor
[B]	Pre-Stack Junction Gate Motor
[C]	Pre-Stack Stopper Motor

Pre-Stack Transport Motor

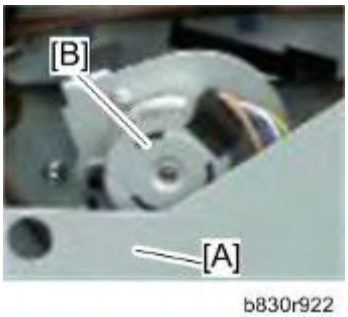
1. Rear cover (page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Main control board bracket (x4, x All, x8)
3. Motor unit (x2, x1)
4. Pre-stack transport motor [A] (x2)

Pre-Stack Junction Gate Motor

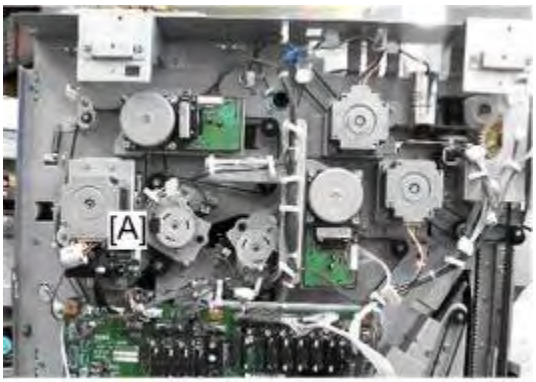
1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Main control board bracket (x4, x All, x8)
3. Pre-stack junction gate motor [A] (x2, x1, x1)

Pre-Stack Stopper Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Main control board bracket (x4, x All, x8)
3. Pre-stack stopper motor [B] (x2, x1, x1)



1.6.4 PUNCH MOTOR

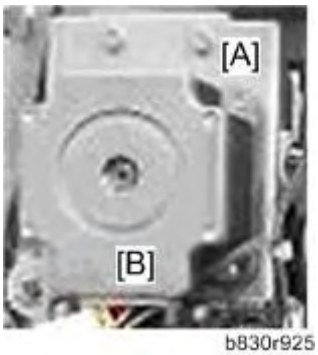


b830r901d

[A]	Punch Motor

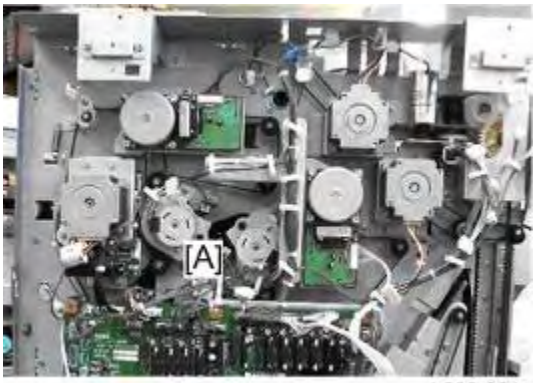
Punch Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Punch motor bracket [A] (x3, x2, x1, Timing belt x1)
3. Punch motor [B] (x2)



b830r925

1.6.5 STAPLE MOTORS



b830r901e

[A]	Staple Junction Gate Motor

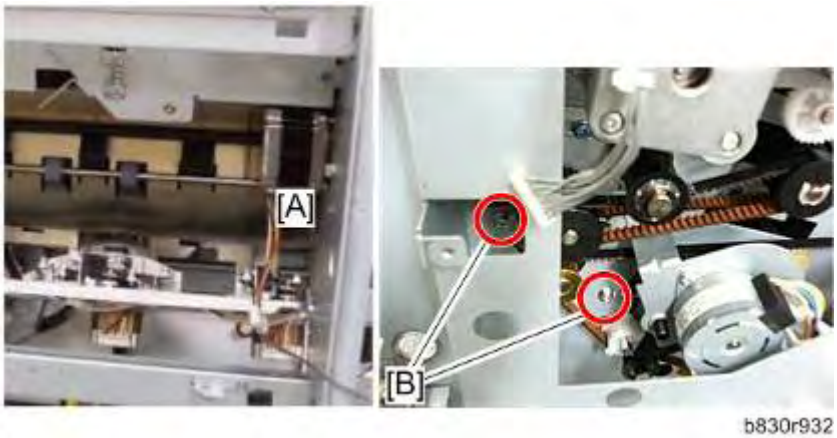
Staple Junction Gate Motor

1. Rear cover (☛page 3 "Left Covers, Rear Cover, Top Cover, Shift Cover")
2. Staple junction gate motor [A] (x2, x1, x1)

b830r930

Stapler Exit Motor

1. Main control board bracket (x4, x 8, x All)
2. Stapler exit motor [A] (x2 [B] , x2, Timing belt x1)



b830r932

2. SERVICE TABLES

2.1 DIP SWITCHES

DIP SW100

DIP SW100 settings are for designer and factory use only. Do not change them.

DIP SW 101: 1 to 4

DPS100				Description
1	2	3	4	
0	**0**	**0**	**0**	Default
1	0	0	0	Free run: 135 ppm (649 mm/s) A4 LEF, 5 sheets
0	**1**	0	0	Proof tray free run for durability testing: proof tray + punch + junction gate operation + proof tray output.:
0	0	**1**	0	Shift free run: Shift mode simulation 136 ppm (649 mm/s) A4 SEF, 5 sheets, continuous punching 110 ppm (515mm/s)
0	0	0	**1**	Sensor check before shipping, lowering the tray before shipping. **DFU**. Do not change.

2.2 TEST POINTS

100 to 110

No.	Label	Monitored Signal	Comment
TP100	(5V)	+5 V	Used for sensor point testing, lowering the tray to shipping position. **DFU**.
TP101	(GND)	Ground	
TP102	(RXD)	RXD	
TP103	(TXD)	TXD	

2.3 FUSES

No.	Function
FU100	Protects 24 V.

D708

MAIL BOX CS4010

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

MAIL BOX CS4010 (D708)

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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual.

Symbols

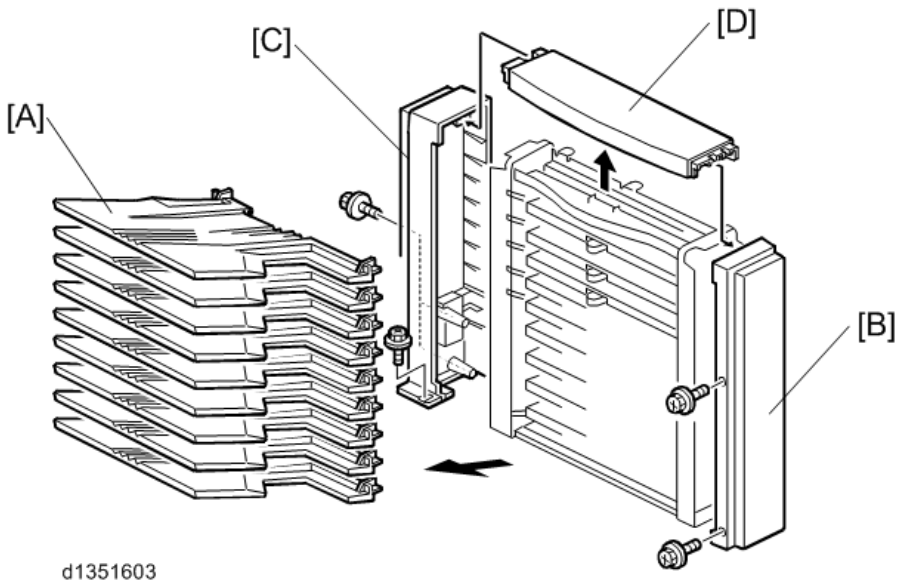
This manual uses the following symbols.

Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

1. REPLACEMENT AND ADJUSTMENT

1.1 COVERS AND TRAYS

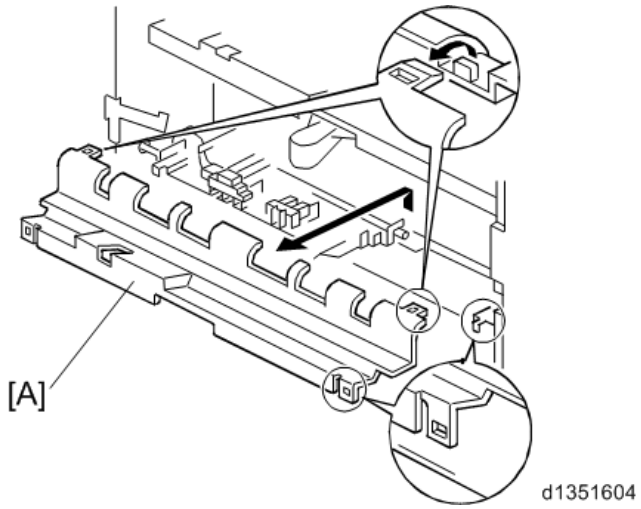
1. Trays [A]
   Grip each tray by the front and lift out.
2. Front cover [B] (x 2)
3. Rear cover [C] (x 3)
4. Top cover [D]



1.2 SENSORS

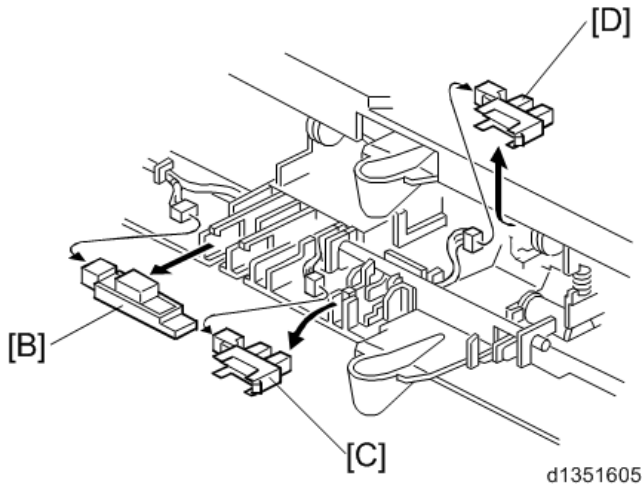
1.2.1 TRAY SENSOR, TRAY OVERFLOW SENSOR, VERTICAL TRANSPORT SENSOR

1. Switch the machine off and unplug the machine
2. Remove the tray.
3. Bin cover [A]



4. Tray sensor (x 1) [B]
5. Tray overflow sensor (x 1) [C]
6. Vertical transport sensor (x 1) [D]

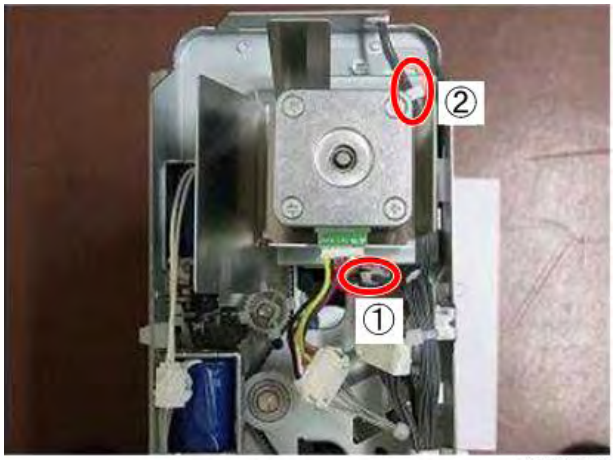
   Raise the pawl, then grip the bottom of the sensor to remove.



1.3 MAIN MOTOR AND CONTROL BOARD

1.3.1 MAIN MOTOR

1. Rear cover (☛page 1 "Covers and Trays")
2. Disconnect the harness of the main motor bracket. (x 2)



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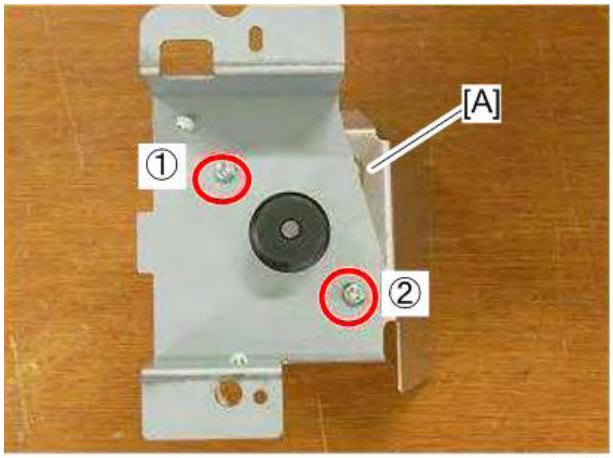
3. Main motor bracket [A] (x 3, timing belt x 1)

d1351786

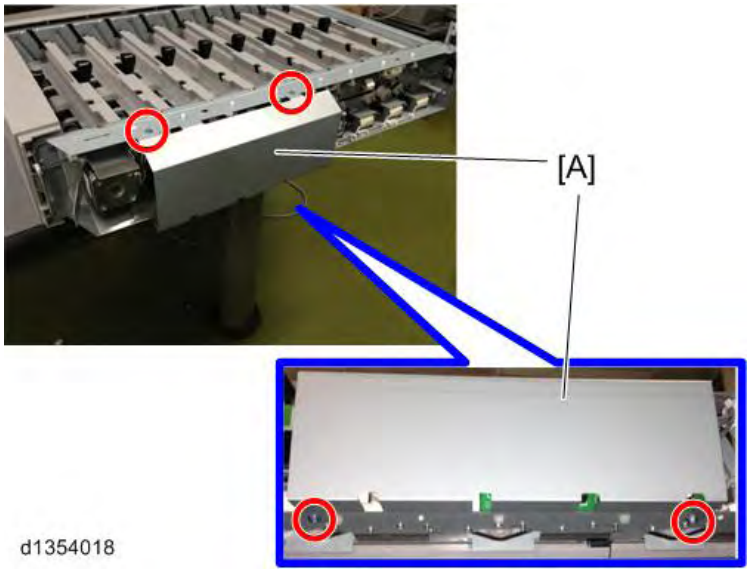
4. Main motor [A] (x 2)



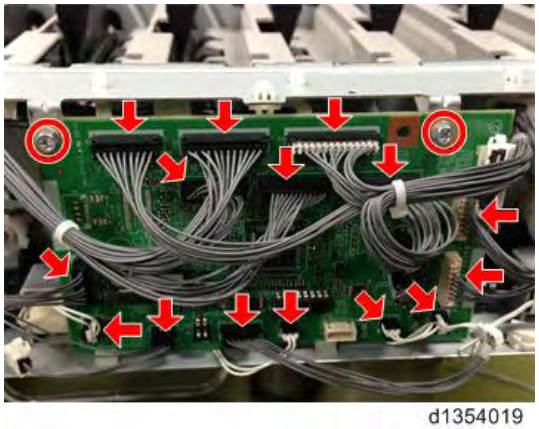
d1351787

1.3.2 CONTROL BOARD

1. Rear cover (☛page 1 "Covers and Trays")
2. Bracket [A] (x4)



3. Control board (x2, x15)



D709

LCIT RT4020

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual.

Symbols

This manual uses the following symbols.

Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

1. REPLACEMENT AND ADJUSTMENT

1.1 COMMON PROCEDURES

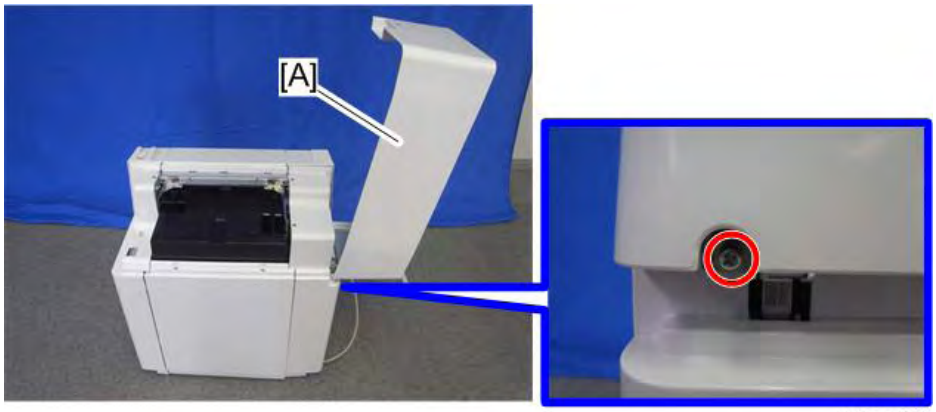
1.1.1 EXTERNAL COVERS

Top Right Cover, Top Left Cover, Rear Right Cover, Rear Cover, Left Cover

1. Open the top right cover [A].

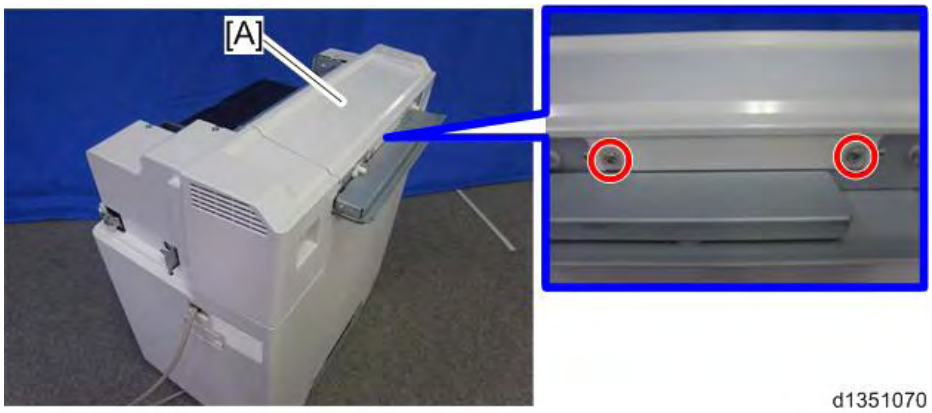
d1351068

2. Top right cover [A] (x1)



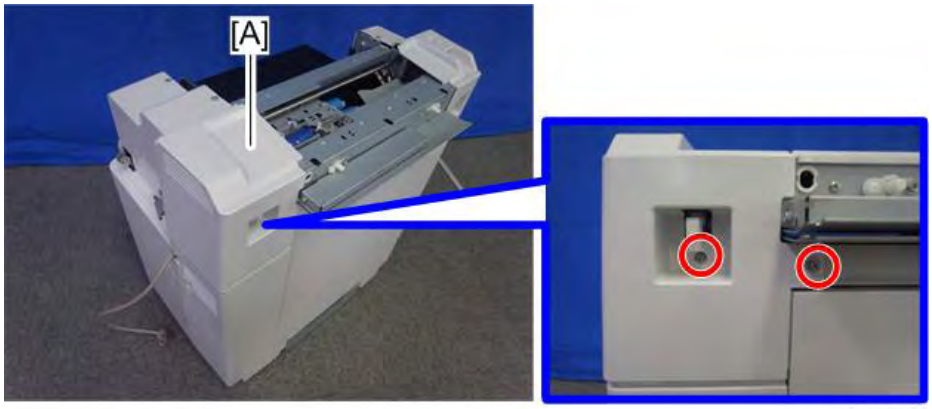
d1351069

3. Top Left cover [A] (x2)



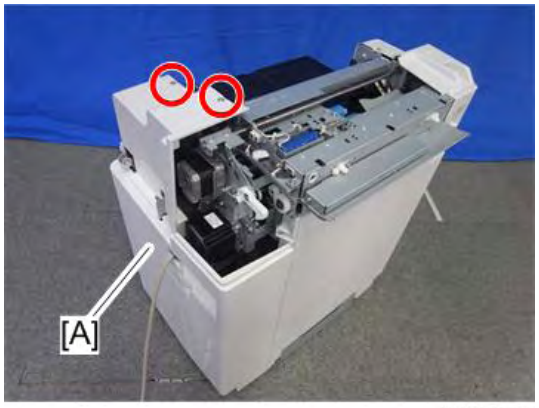
d1351070

4. Rear left cover [A] (x2)



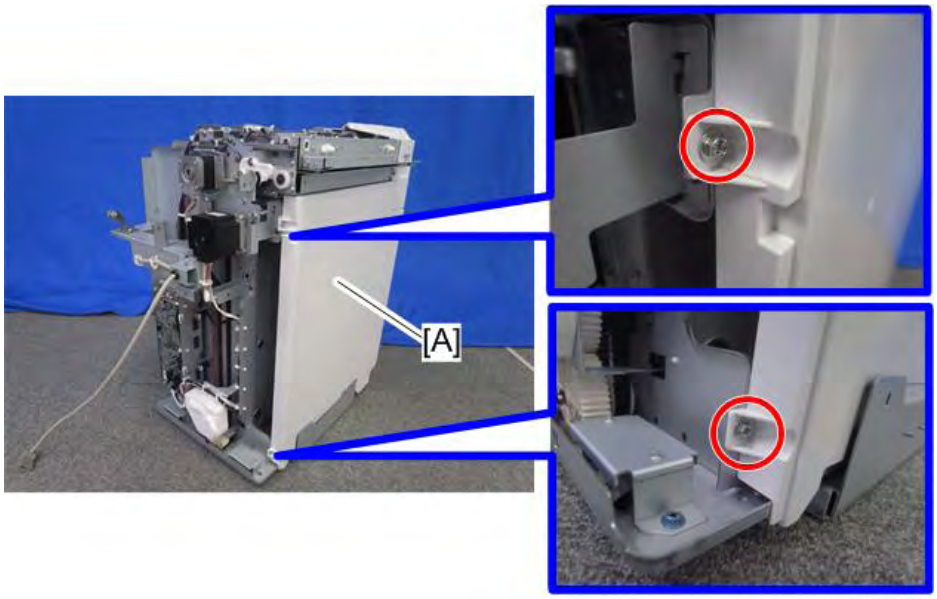
d1351071

5. Rear cover [A] (x2)



d1351073

6. Left cover [A] (x2)



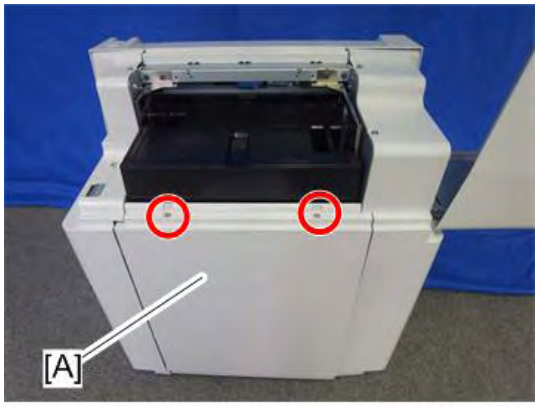
d1351075

Right Cover

1. Open the Upper right cover [A].

d1351068

2. Right cover [A] (x2)

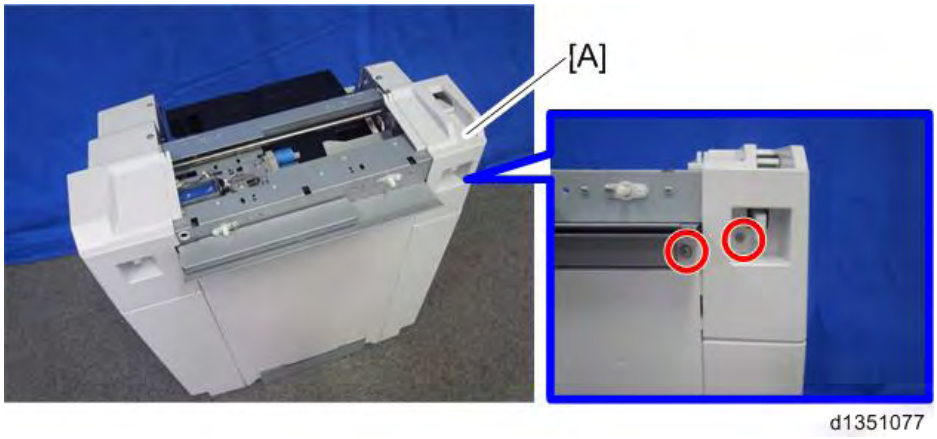


d1351074

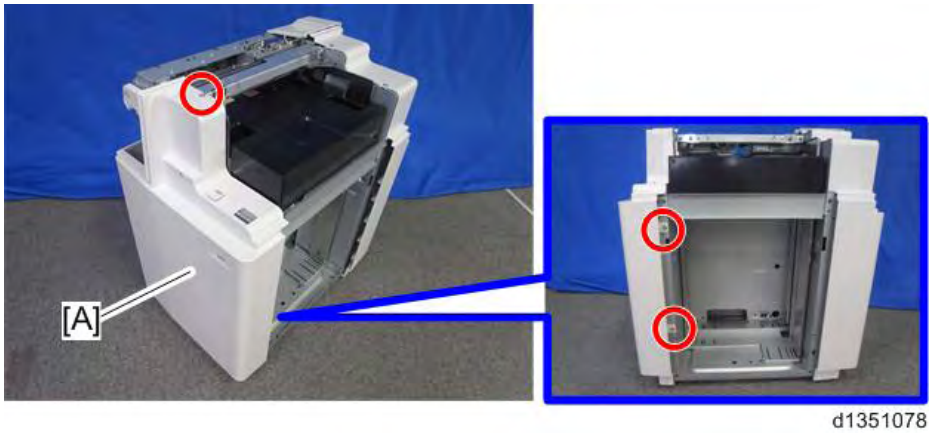
Front Left Cover, Front Cover

1. Remove the following. (☛page 1 "Top Rigtht Cover, Top Left Cover, Rear Right Cover, Rear Cover, Left Cover")
   - Top right cover
   - Top left cover
2. Right cover (☛page 3)
3. Knob cover [A] (x1)

4. Front right cover [A] (x2)



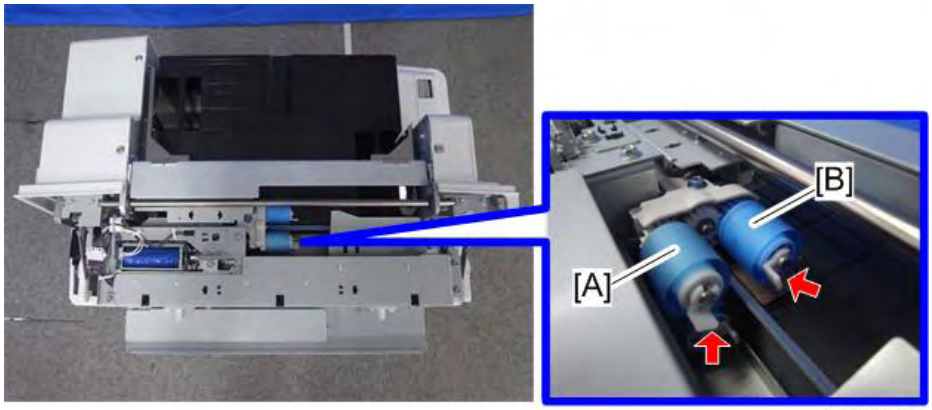
5. Front cover [A] (x3)



1.2 ROLLERS

1.2.1 PICK-UP ROLLER, FEED ROLLER, SEPARATION ROLLER

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Rear left cover
   - Front left cover
2. Remove the feed foller [A] and pick-up roller [B]. (x1 each)



d1351079

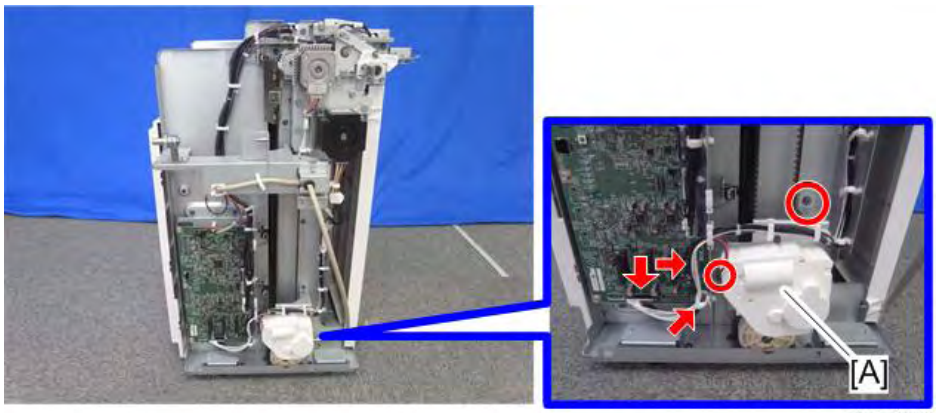
3. Separation roller [A] (x1)

d1351080

1.3 MOTORS

1.3.1 LIFT SWITCH

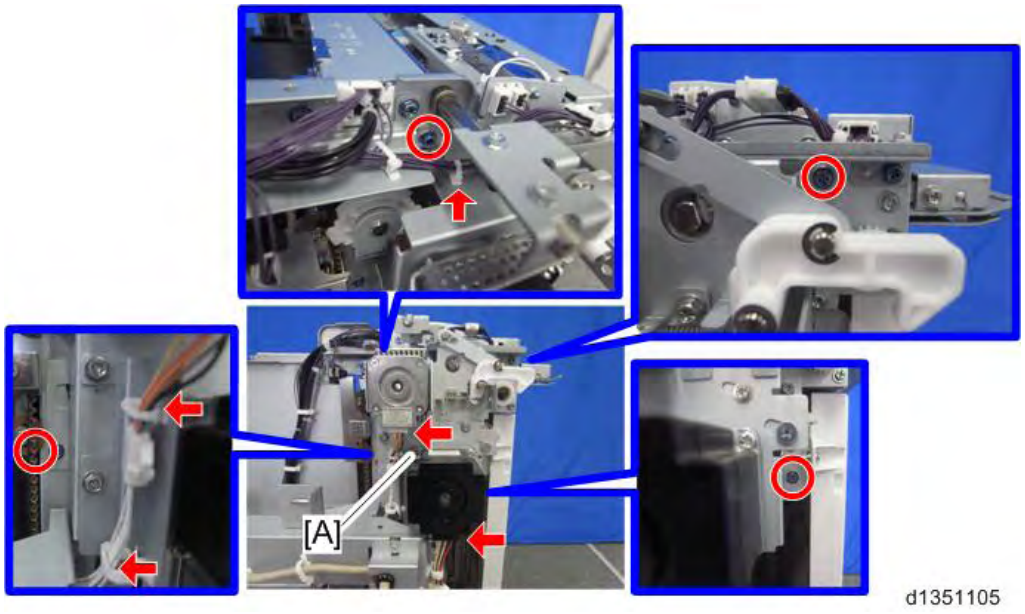
1. Rear cover (☛page 1 "External Covers")
2. Lift Switch [A] (x 2, x1, x2)



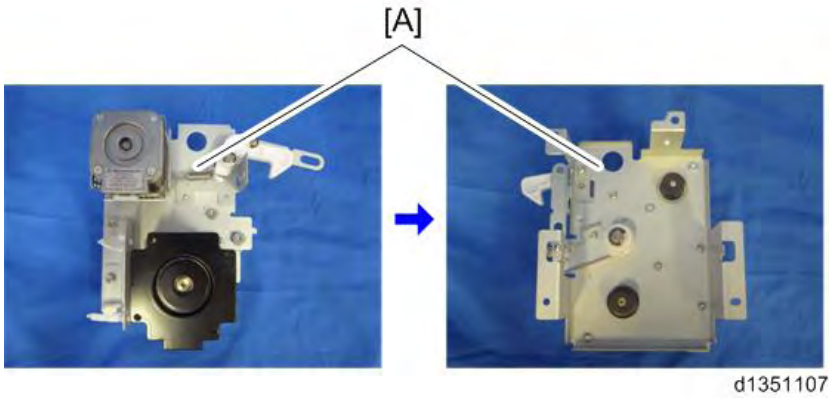
d1351104

1.3.2 PAPER FEED MOTOR, PAPER TRANSPORT MOTOR

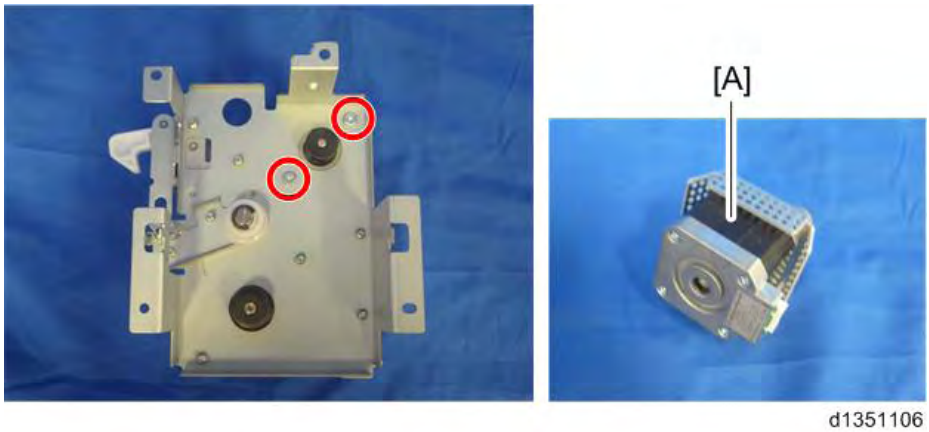
1. Front cover (☛page 1 "External Covers")
2. Paper feed/ paper transport motor bracket [A] (x 4, x2, x3, timing belt x2)



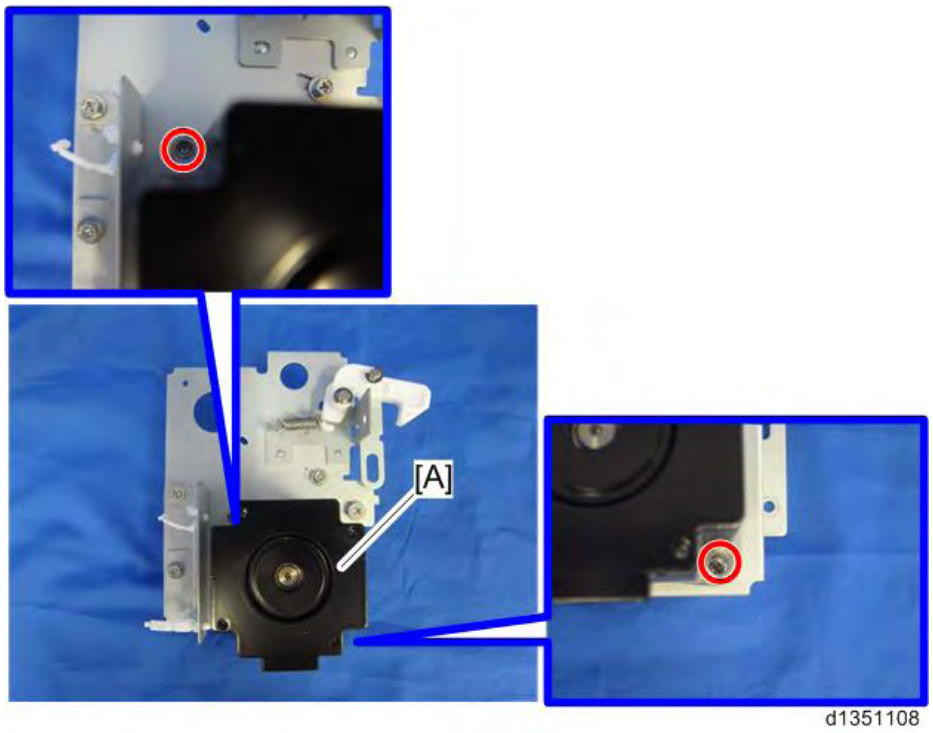
3. Turn over the paper feed/paper transport motor bracket [A].



4. Paper feed motor [A] (x 2)



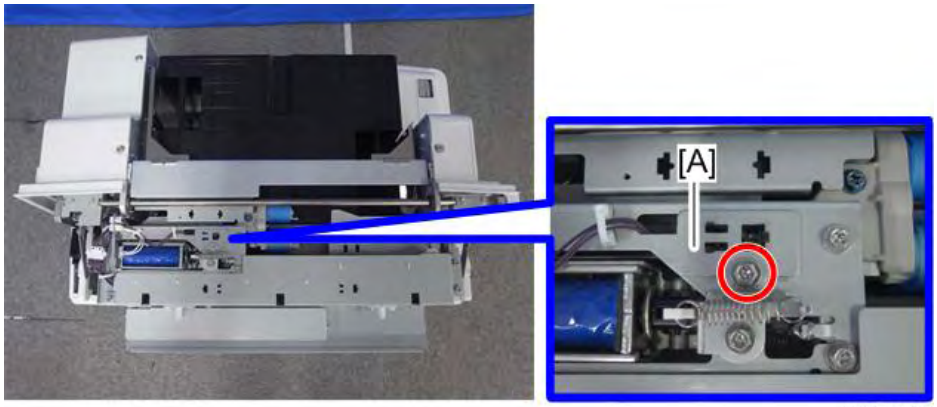
5. Paper transport motor [A] (x 2)


[A]
d1351108

1.4 SENSORS

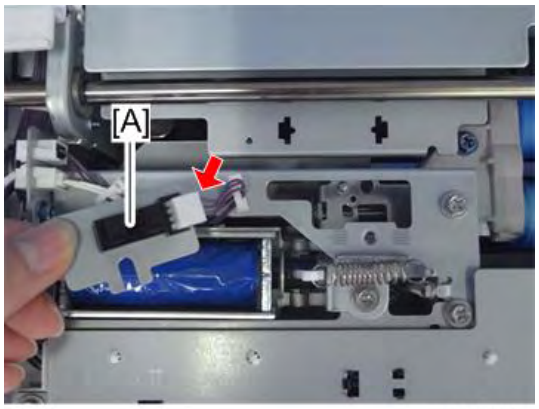
1.4.1 UPPER LIMIT SENSOR

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Rear left cover
   - Front left cover
2. Upper limit sensor bracket [A] (x1)



d1351083

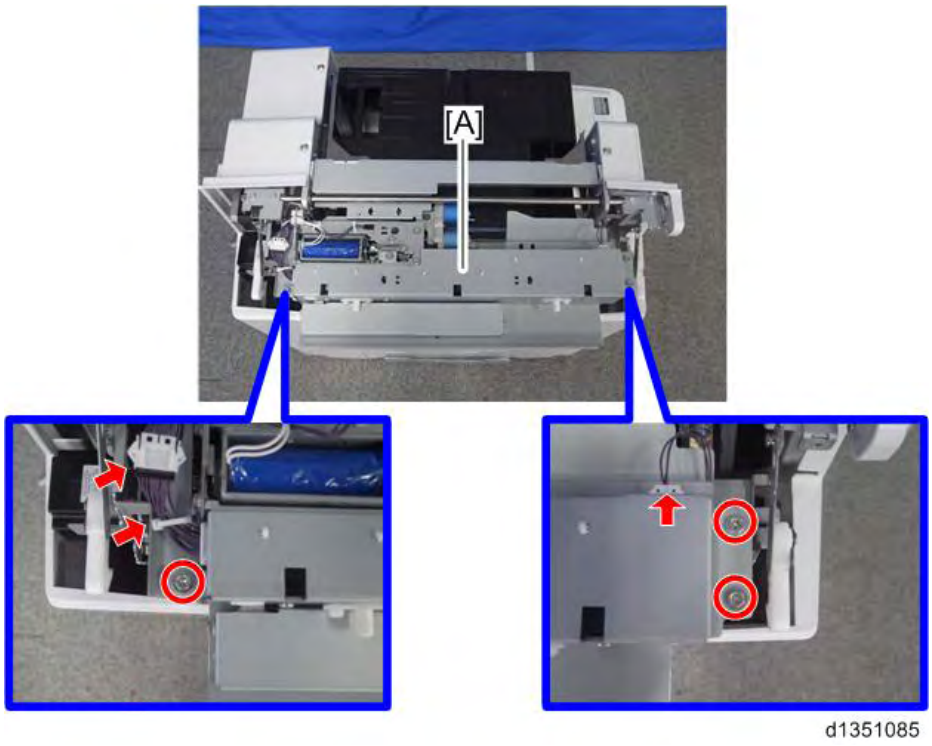
3. Upper limit sensor [A] (x1, hook x3)



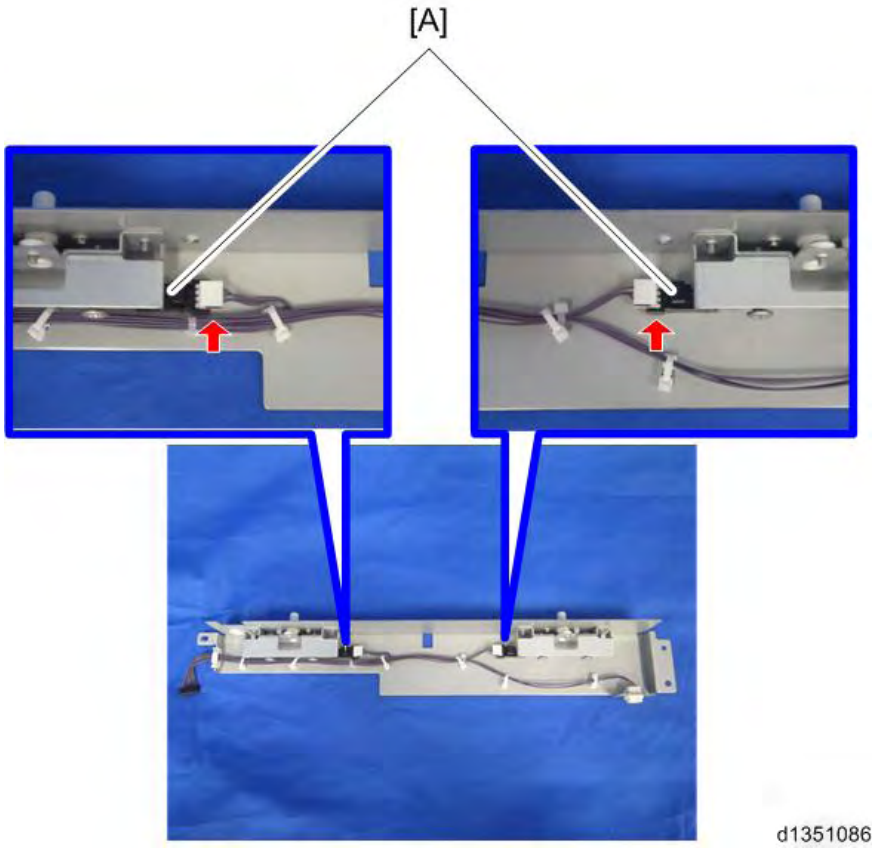
d1351084

1.4.2 LCT SLIDE SENSOR

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Rear left cover
   - Front left cover
2. Bracket cover [A] (x3, x2, x1)

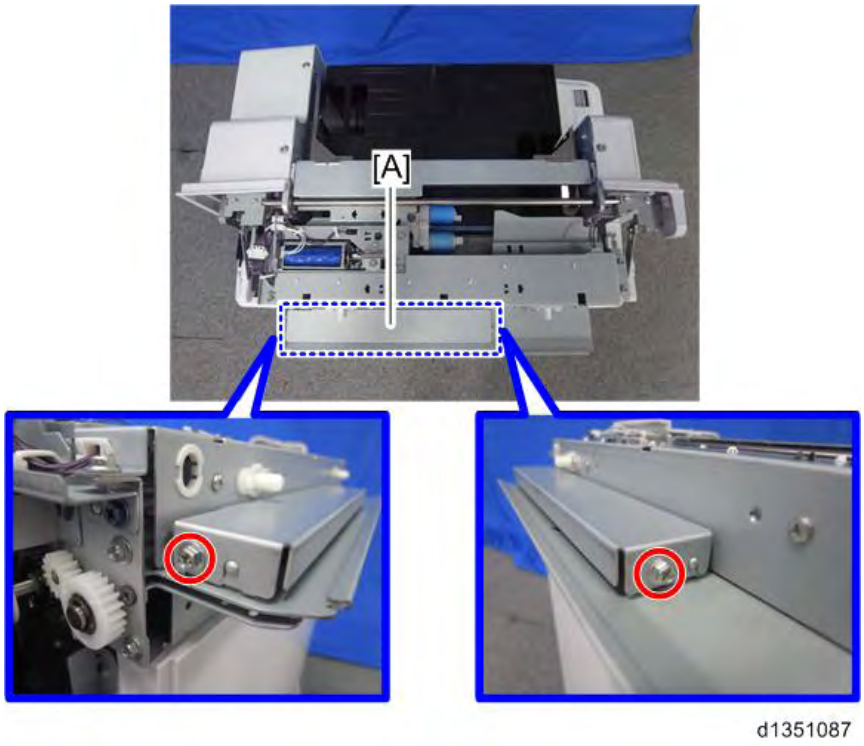


3. LCT slide sensor [A] (x1, hook x3 each)


[A]
d1351086

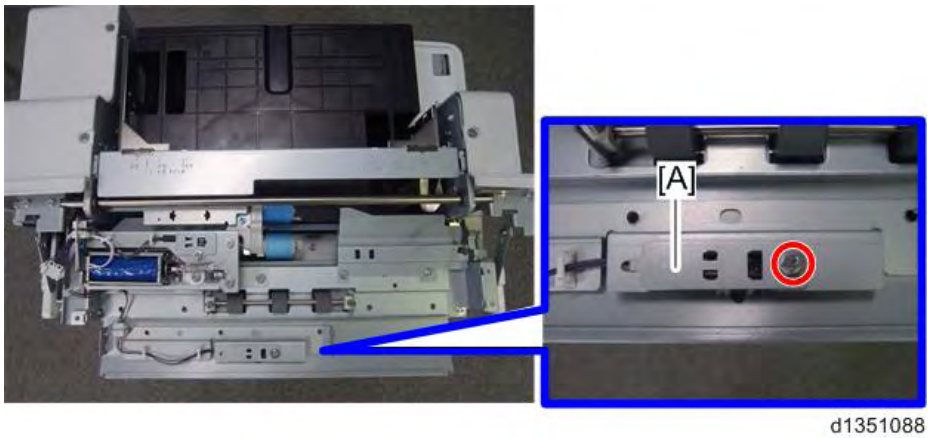
1.4.3 PAPER TRANSPORT SENSOR

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Rear left cover
   - Front left cover
2. Paper transport sensor cover [A] (x2)



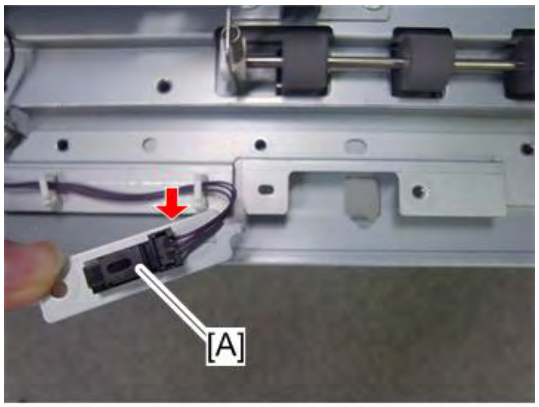
d1351087

3. Paper transport sensor bracket [A] (x1)



d1351088

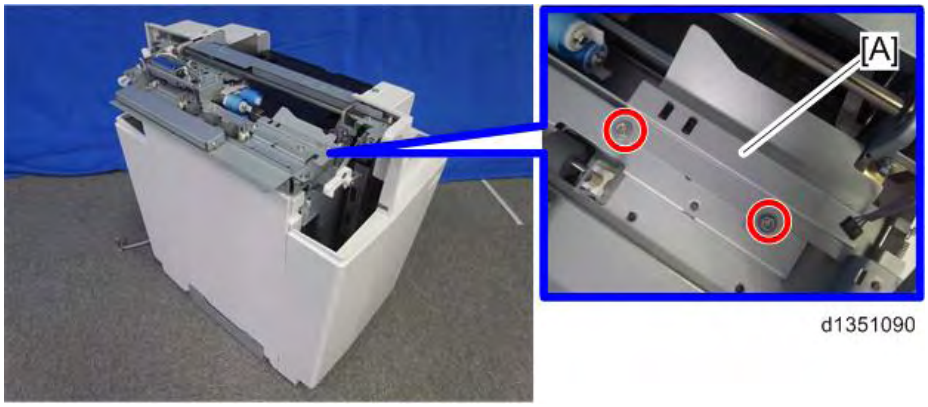
4. Paper transport sensor [A] (x1, hook x3)



d1351089

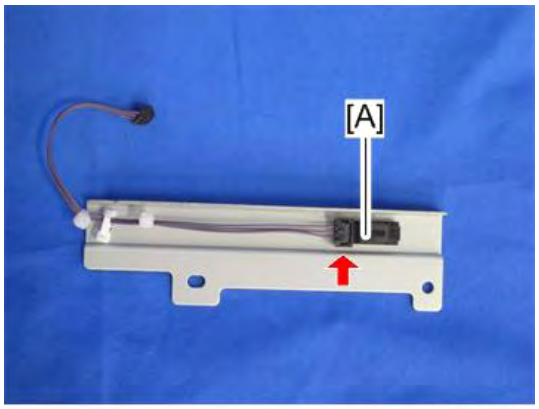
1.4.4 PAPER FEED SENSOR

1. Bracket cover (☛page 10 "LCT Slide Sensor")
2. Paper feed sensor bracket [A] (x 2)



d1351090

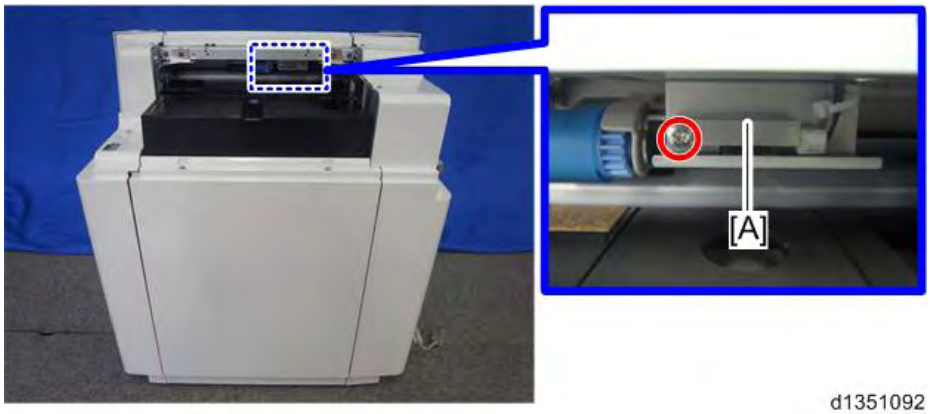
3. Paper feed sensor [A] (x1, hook x3)



d1351091

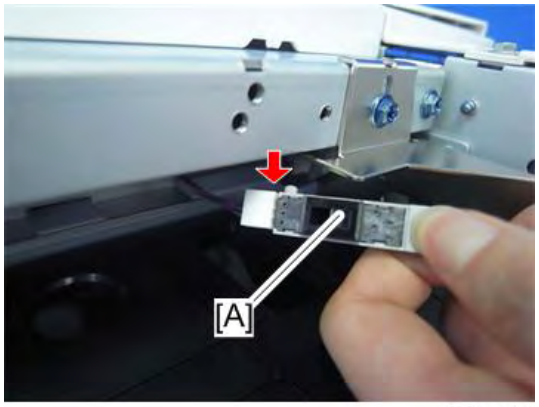
1.4.5 PAPER END SENSOR

1. Top left cover (☛page 1 "External Covers")
2. Paper end sensor bracket [A] (x 1)



d1351092

3. Paper end sensor [A] (x1, hook x 3)



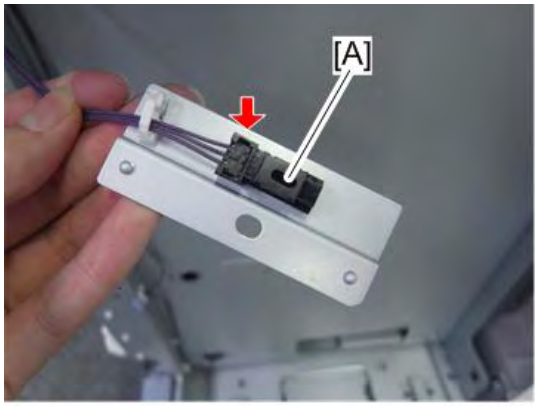
d1351093

1.4.6 PAPER POSITION SENSOR

1. Left cover (☛page 1 "External Covers")
2. Paper position sensor bracket [A] (x 1)

d1351100

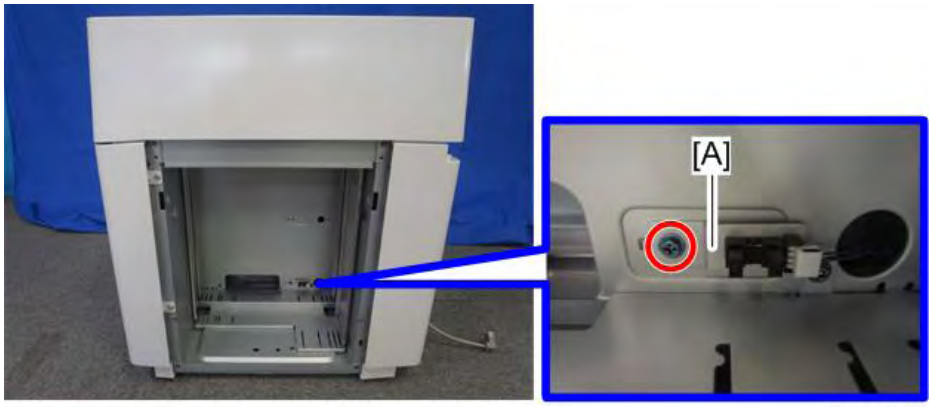
3. Paper position sensor [A] (x1, hook x3)



d1351101

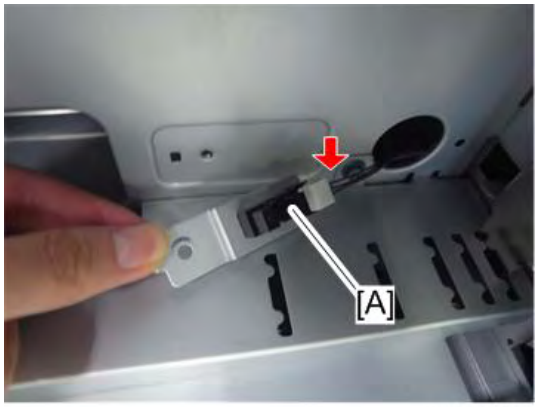
1.4.7 LOWER LIMIT SENSOR

1. Right cover (☛page 1 "External Covers")
2. Lower limit sensor bracket [A] (x 1)



d1351102

3. Lower limit sensor [A] (x1, hook x3)

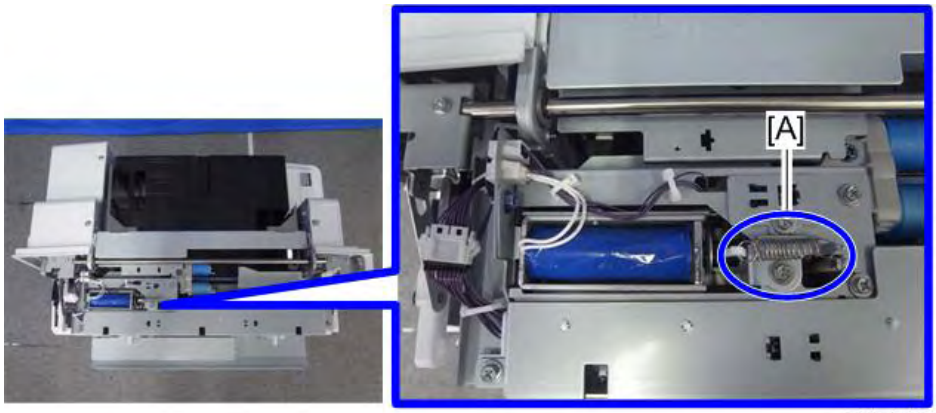


d1351103

1.5 SOLENOIDS

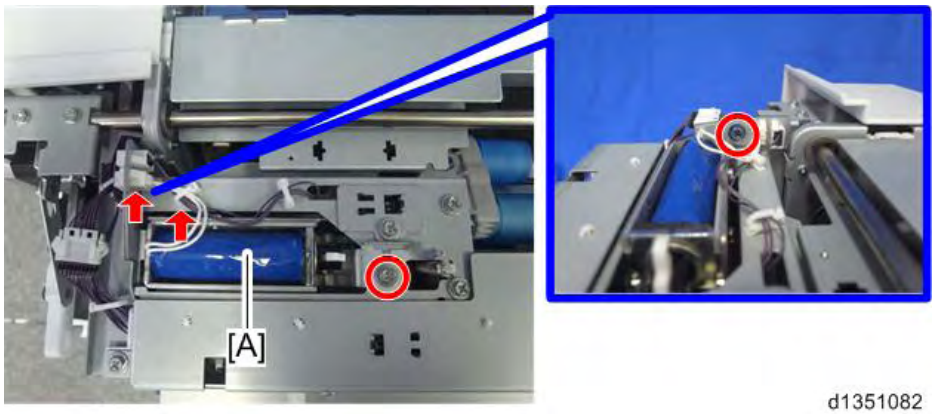
1.5.1 PICK-UP SOLENOID

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Rear left cover
   - Front left cover
2. Remove the spring [A] of the pick-up solenoid. (spring x1)



d1351081

3. Pick-up solenoid [A] (x2, x1, x1)

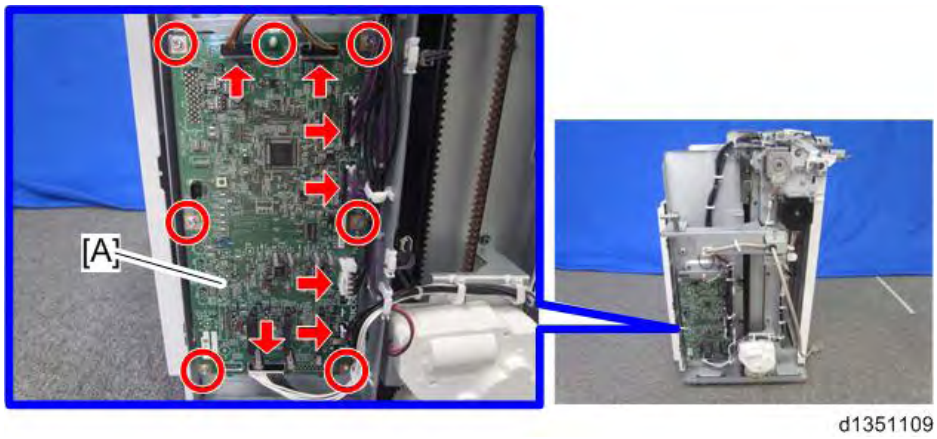


d1351082

1.6 BOARDS

1.6.1 MAIN CONTROL BOARD

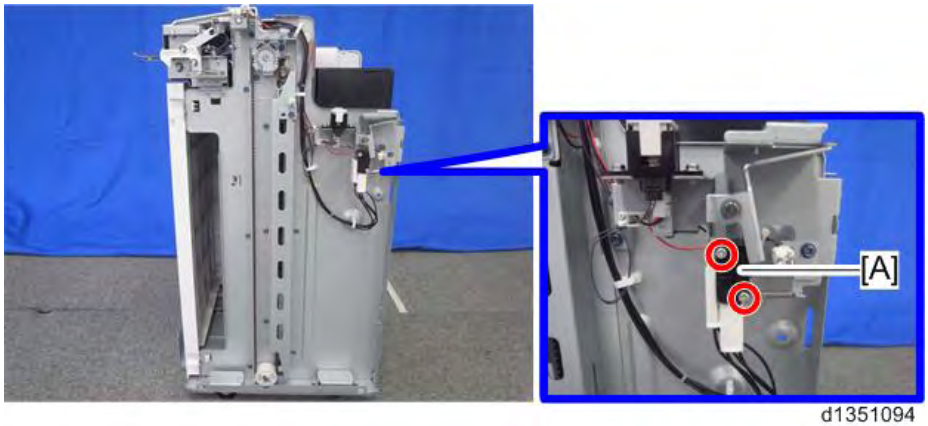
1. Rear cover (☛page 1 "External Covers")
2. Main control board [A] (x 6, Stand off x 1, x7)



1.7 OTHERS

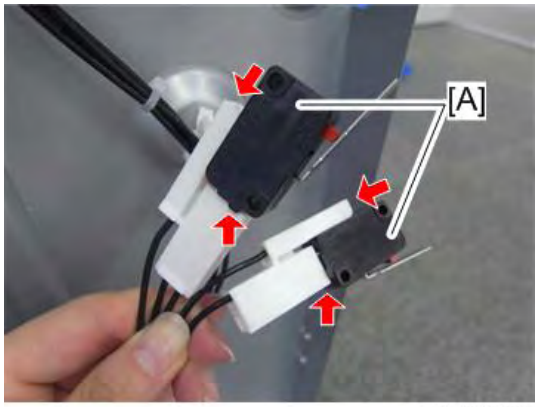
1.7.1 FEED UNIT COVER SWITCH

1. Remove the following. (☛page 1 "External Covers")
   - Top right cover
   - Top left cover
   - Front cover
2. Feed unit cover switch unit [A] (x 2)



d1351094

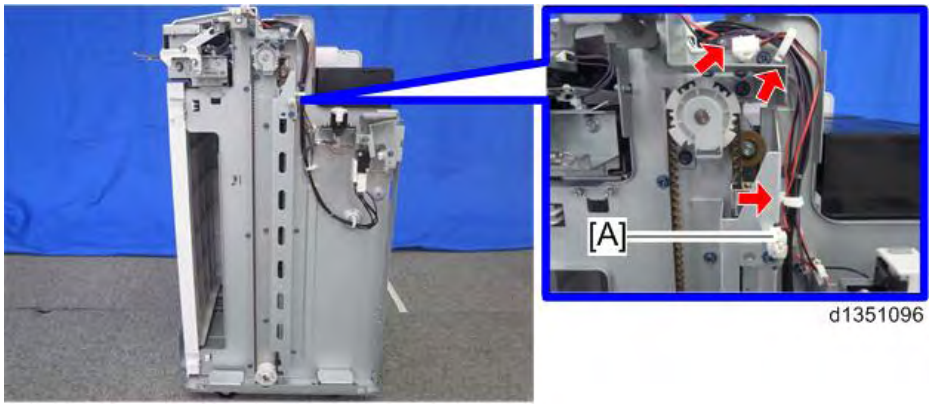
3. Feed unit cover switches [A] (x4)



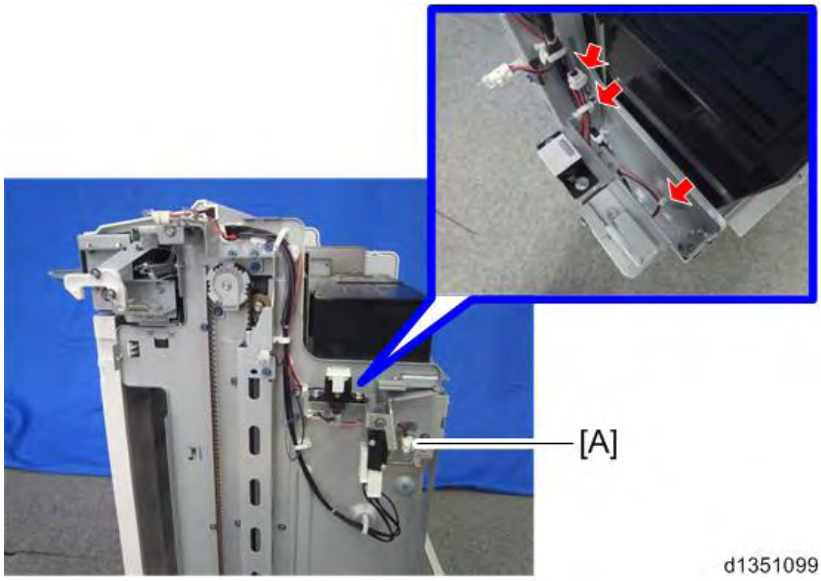
d1351095

1.7.2 FEED UNIT COVER LED, PAPER FEED LED, SLIDE HANDLE LED

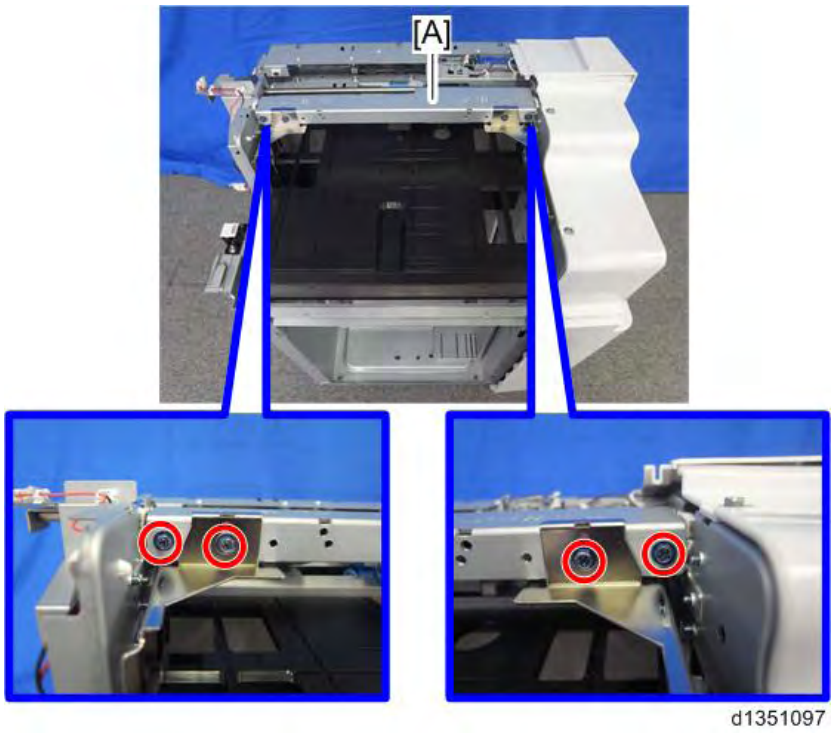
1. Remove the following. (☛page 1 "External Covers")
   - Top left cover
   - Front cover
2. Feed unit cover LED [A] (x1, x2)



3. Paper feed LED [A] (x1, x2)

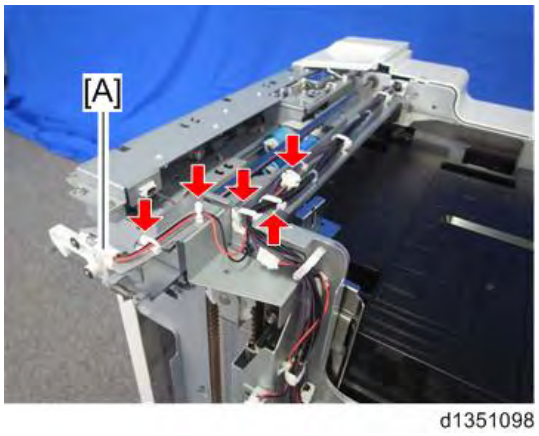


4. Harness Cover [A] (x 4)



d1351097

5. Slide handle LED [A] (x1, x4)



d1351098

D710

LCIT RT4030

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
3	1/27/2014	Side to side registration SP mode

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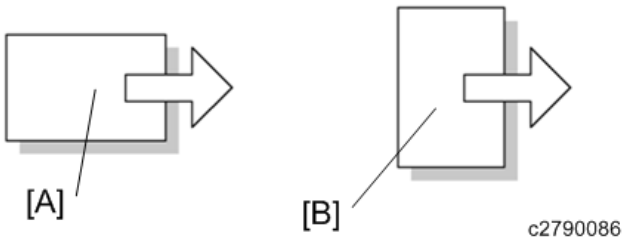
READ THIS FIRST

Safety, Conventions, Trademarks

Conventions

Symbol	What it means
	Screw
	Connector
	E-ring
	C-ring
	Harness clamp
FFC	Flexible Film Cable



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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

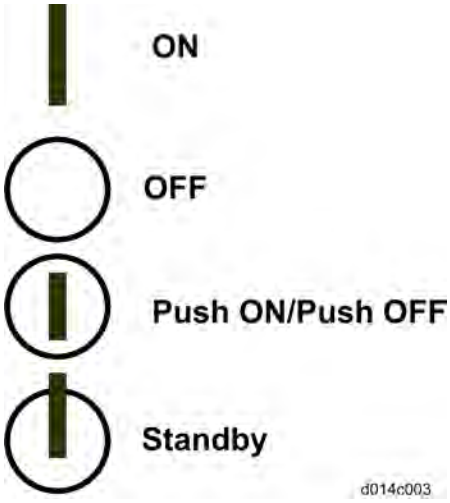
Always obey the following safety precautions when using this product.

Safety During Operation

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

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.



Responsibilities of the Customer Engineer

Customer Engineer

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 of the machine.

Before Installation, Maintenance

Shipping and Moving the Machine

⚠CAUTION

- Work carefully when lifting or moving the machine. If the machine is heavy, two or more customer engineers may be required to prevent injuries (muscle strains, spinal injuries, etc.) or damage to the machine if it is dropped or tipped over.
- Personnel moving or working around the machine should always wear proper clothing and footwear. Never wear loose fitting clothing or accessories (neckties, loose sweaters, bracelets, etc.) or casual footwear (slippers, sandals, etc.) when lifting or moving the machine.
- Always unplug the power cord from the power source before you move the product. Before you move the product, arrange the power cord so it will not fall under the product.

Power

⚠WARNING

- Always disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before doing any maintenance procedure.
- Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, never touch electrical components or moving parts (gears, timing belts, etc.).
- After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.

Installation, Disassembly, and Adjustments

⚠CAUTION

- After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., removed for installation, have been removed and that no tools remain inside the machine. This also ensures that all release interlock switches have been restored to normal operation.
- Never use your fingers to check moving parts causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tool

⚠CAUTION

- Use only standard tools approved for machine maintenance.
- For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

⚠CAUTION

- Before you begin a maintenance procedure: 1) Switch the machine off, 2) Disconnect the power plug from the power source, 3) Allow the machine to cool for at least 10 minutes.
- Avoid touching the components inside the machine that are labeled as hot surfaces.

Safety Devices

⚠WARNING

- Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
- Never do any procedure that defeats the function of any safety device. 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.
- 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.

Organic Cleaners

⚠CAUTION

- During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual.
- Make sure the room is well ventilated before using any organic cleaner. Use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
- Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
- Wash your hands thoroughly after cleaning parts with an organic cleaner to contamination of food, drinks, etc. which could cause illness.
- 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. Use “My Ace” Silicone Oil Remover (or dry rags) to soak up spills. For more details, please refer to Technical Bulletin “Silicone Oil Removal” (A024-50).

Power Plug and Power Cord

⚠WARNING

- Before serving the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
- Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat which could cause a fire.
- Inspect the length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
- Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and could cause a fire.
- Make sure that the area around the power source is free of obstacles so the power cord can be removed quickly in case of an emergency.
- Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
- Connect the power cord directly into the power source. Never use an extension cord.
- When you disconnect the power plug from the power source, always pull on the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

⚠WARNING

- Never incinerate used toner or toner cartridges.
- Toner or toner cartridges thrown into a fire can ignite or explode and cause serious injury. At the work site always carefully wrap used toner and toner cartridges with plastic bags to avoid spillage before disposal or removal.

⚠CAUTION

- Always dispose of used items (developer, toner, toner cartridges, OPC drums, etc.) in accordance with the local laws and regulations regarding the disposal of such items.
- To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.
- Return used selenium drums to the service center for handling in accordance with company policy regarding the recycling or disposal of such items.

Safety Instructions for this Machine

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. 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.
5. If the [Start] key is pressed before the machine completes the warm-up period (the [Start] key starts blinking red and green), keep hands away from the mechanical and the electrical components as the machine starts making copies as soon as the warm-up period is completed.
6. 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.
7. To prevent a fire or explosion, keep the machine away from flammable liquids, gases, and aerosols.

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.
2. The NVRAM on the system control board has a lithium battery which can explode if replaced incorrectly. Replace the NVRAM only with an identical one. The manufacturer recommends replacing the entire NVRAM. Do not recharge or burn this battery. Used NVRAM must be handled in accordance with local regulations.

Trademarks

- Microsoft®, Windows®, and MS-DOS® are registered trademarks of Microsoft Corporation in the United States and /or other countries.
- PostScript® is a registered trademark of Adobe Systems, Incorporated.
- PCL® is a registered trademark of Hewlett-Packard Company.
- Ethernet® is a registered trademark of Xerox Corporation.
- PowerPC® is a registered trademark of International Business Machines Corporation.
- Other product names used herein are for identification purposes only and may be trademarks of their respective companies. We disclaim any and all rights involved with those marks.

1. REPLACEMENT AND ADJUSTMENT

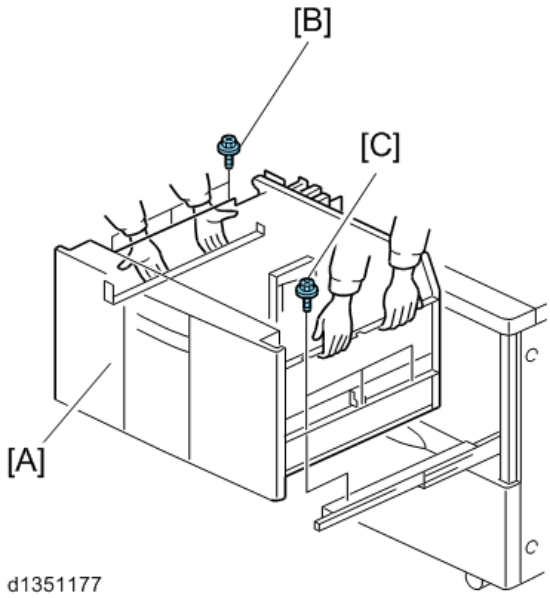
1.1 COMMON PROCEDURES

1.1.1 PAPER TRAY

⚠CAUTION

- The tray weighs 25 kg empty. To prevent damage to the tray and personal injury, never attempt to lift the tray alone. The tray must be lift by two or more persons.

1. Pull the tray [A] out of the LCT until it stops.
2. Remove the screws from the right rail [B] (x3)
3. Remove the screws from the left rail [C] (x3)
4. Lift and remove the tray [A].

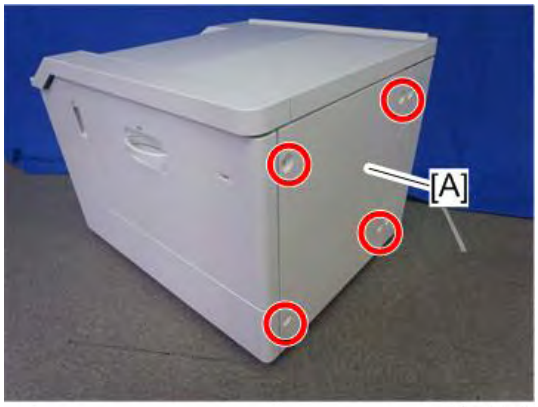


Note

- You do not need to remove the screw for the stopper pin bracket at the back of the left rail.

1.1.2 EXTERNAL COVERS

1. Right cover [A] (x4)



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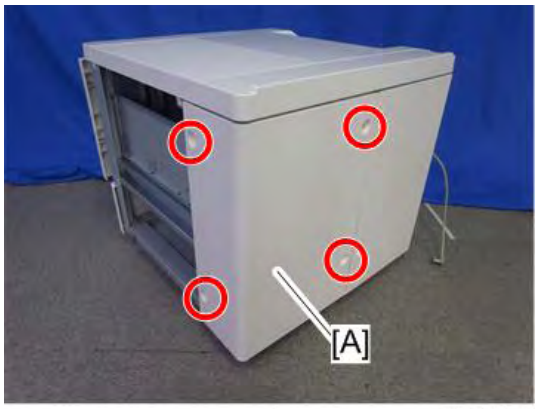
2. Right rear cover [A] (x4)



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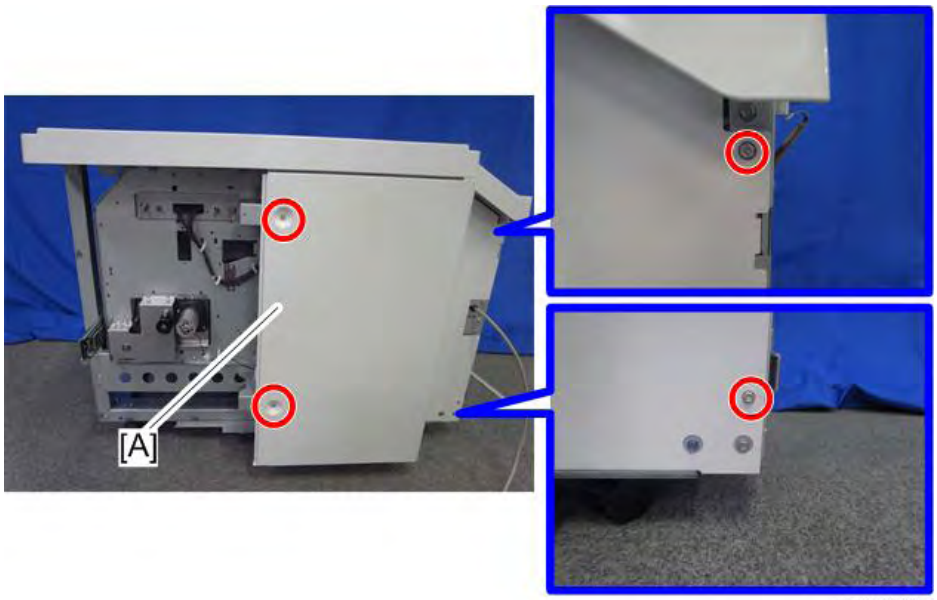
3. Left rear cover [A]



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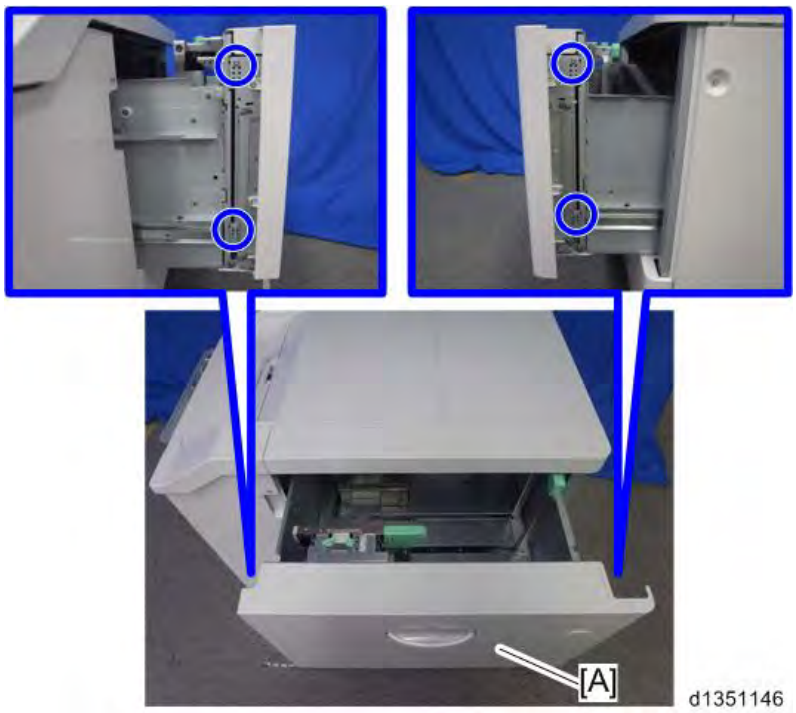
1.1.3 SIDE REGISTRATION ADJUSTMENT

⇒ The side-to-side registration for this LCT can be adjusted with SP1-003-007 (Side-to-Side Reg: LCT).

However, if punched hole positions are not aligned on paper fed from this LCT, you can first adjust the side registration by changing the tray cover position as described below, and then adjust the

⇒ side registration of the image with SP1-003-007.

1. Pull out the tray [A].
2. Change the screw positions at both the right and left sides as shown.
   - Adjustment range: 0±3.0 mm
   - Step: 0.1 mm



1.2 PAPER FEED UNIT

1. Paper tray (☛page 1)
2. Open the front door [A], and then remove the inner cover [B]. (x4)

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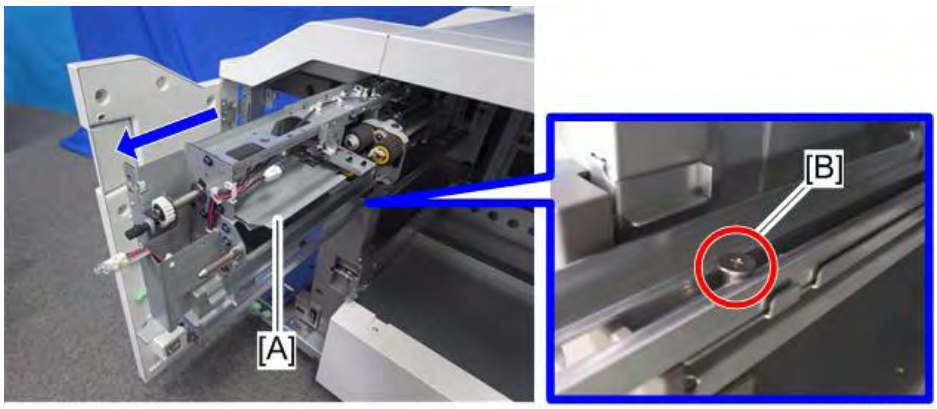
3. Pull out the paper feed unit [A], and then remove the screw [B]. (x1)



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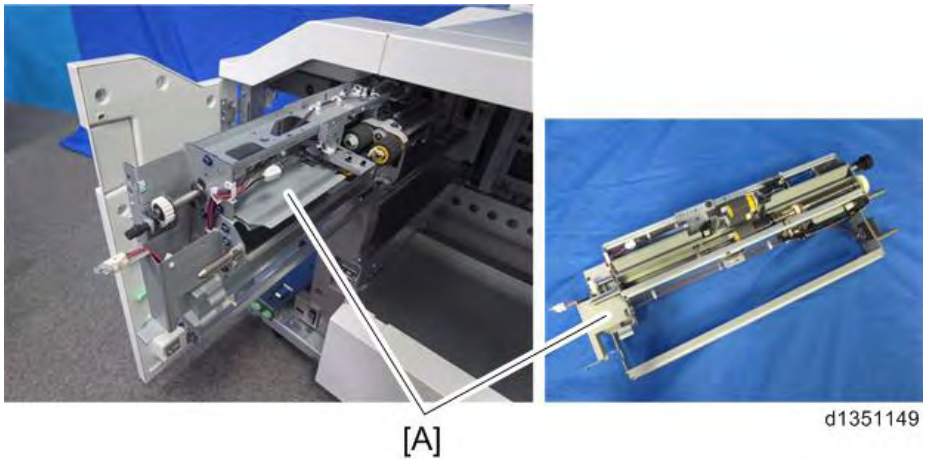
4. Paper feed unit [A]



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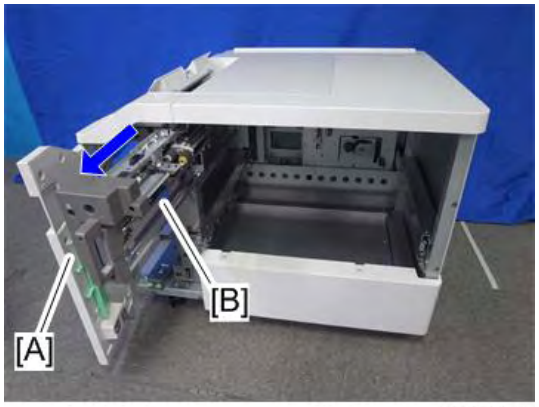
1.3 ROLLERS

1.3.1 PICK-UP ROLLER, FEED ROLLER, SEPARATION ROLLER

1. Paper feed unit (☛page 4)
2. Open the front door [A], and then pull out the paper feed unit [B].



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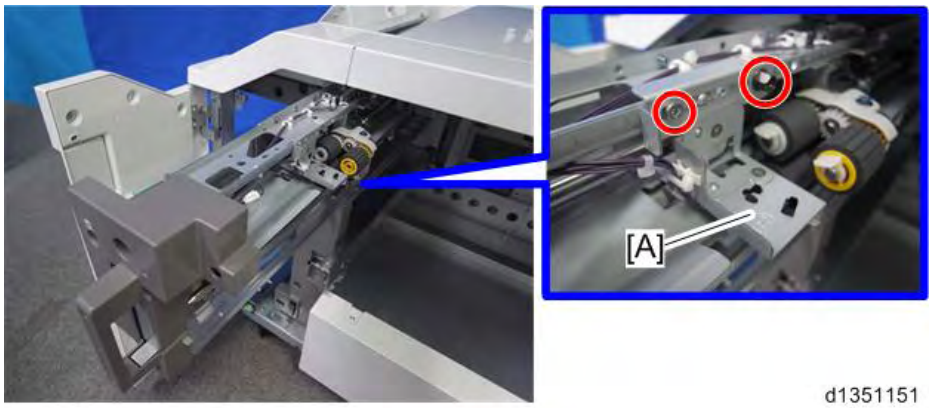
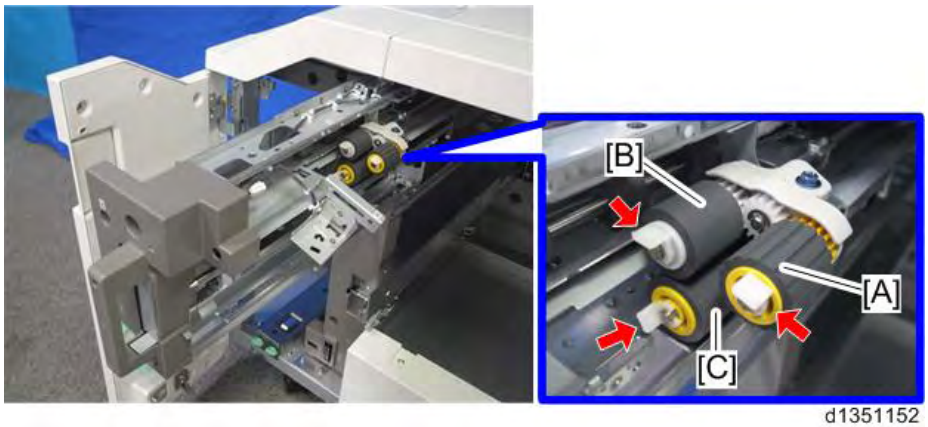
3. Paper feed tray bracket [A] (x2)



d1351151

4. Remove the pick-up roller [A], feed roller [B], and separation roller [C]



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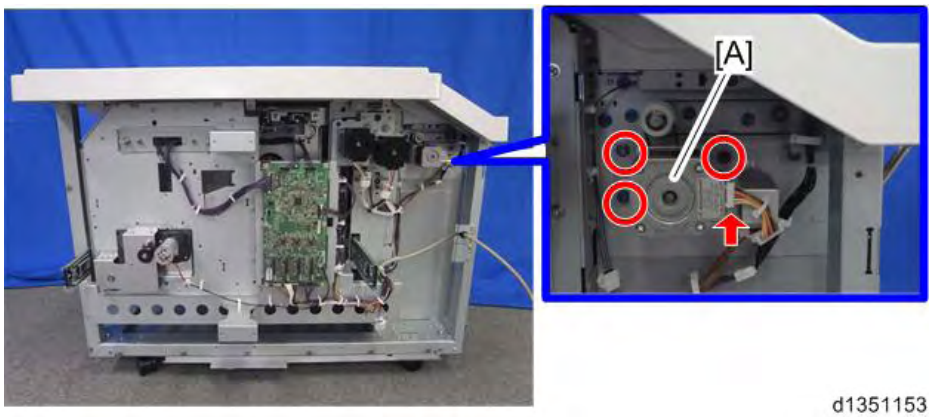
Note

- Never touch the surface of the rollers with bare hands.

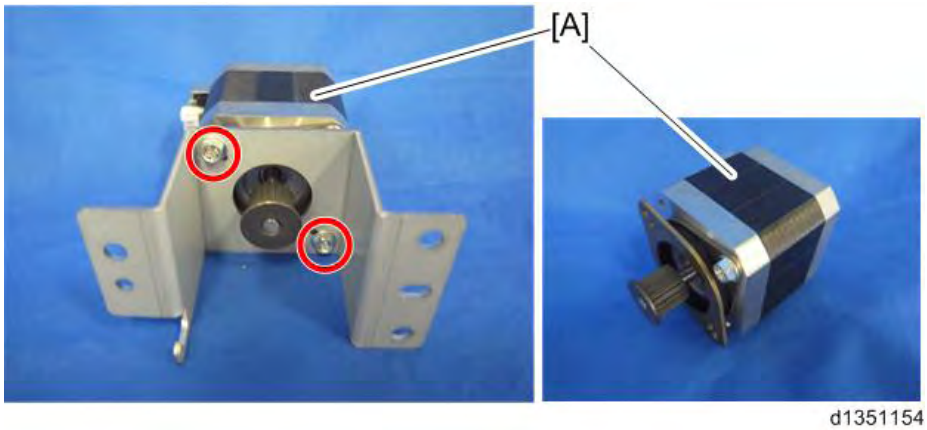
1.4 MOTORS

1.4.1 LCT EXIT MOTOR

1. Left rear cover (☛page 2 "External Covers")
2. LCT exit motor bracket [A] (x3, x1, gear x 1, timing belt x 1)

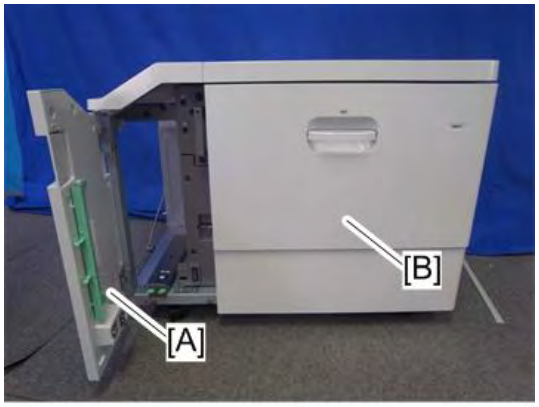


3. LCT exit motor [A] (x2)



1.4.2 FEED MOTOR, GRIP MOTOR

1. Open the front door [A], and then pull out the paper tray [B].



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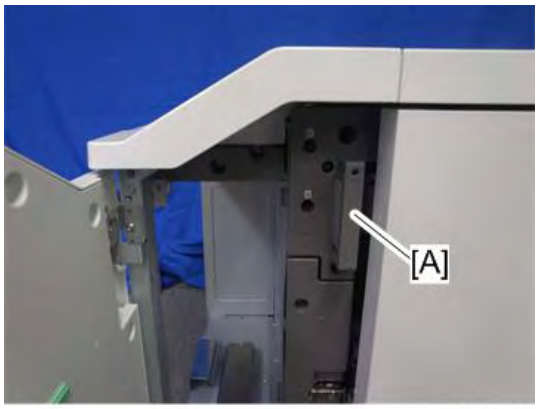
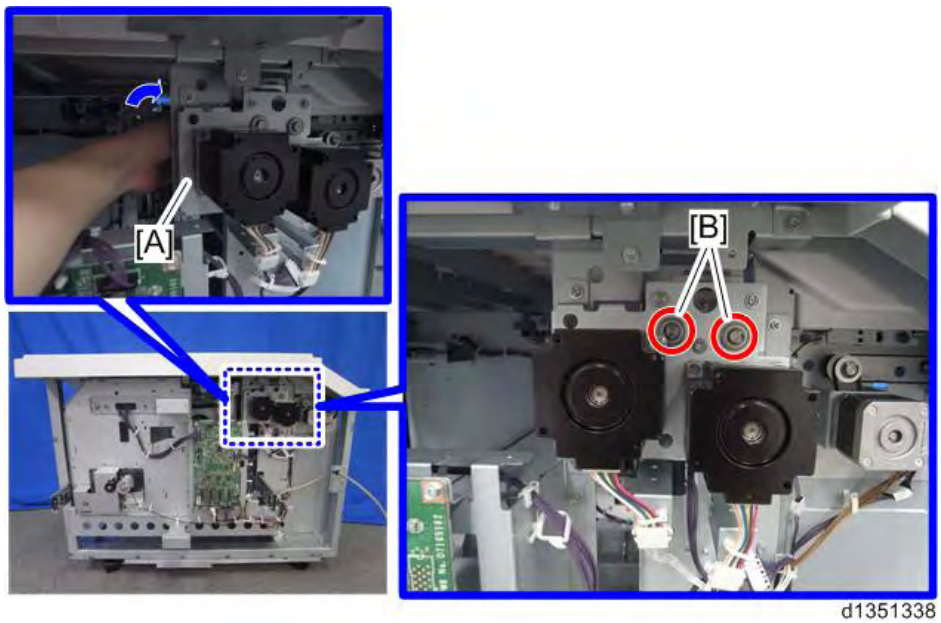
2. Pull out the paper feed unit [A]



d1351337

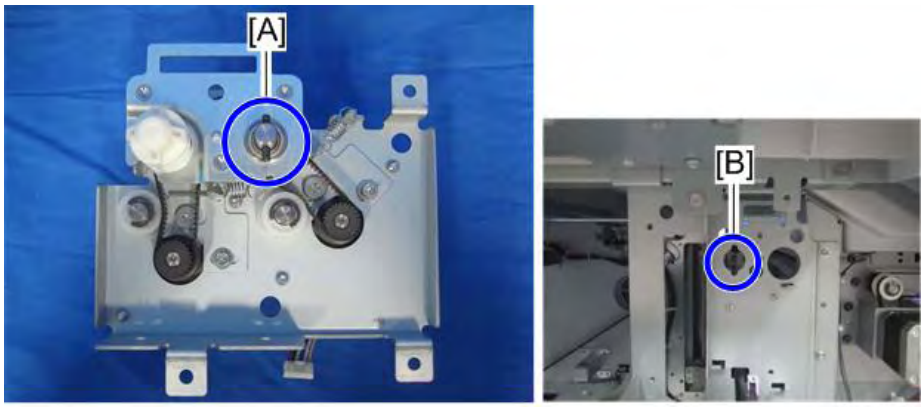
1. Left rear cover (☛page 2 "External Covers")
2. Put a hand to the rear side of the Feed/Grip motor bracket [A], push the pin [B] towards the front side.
3. Remove the Feed/Grip motor bracket [A].



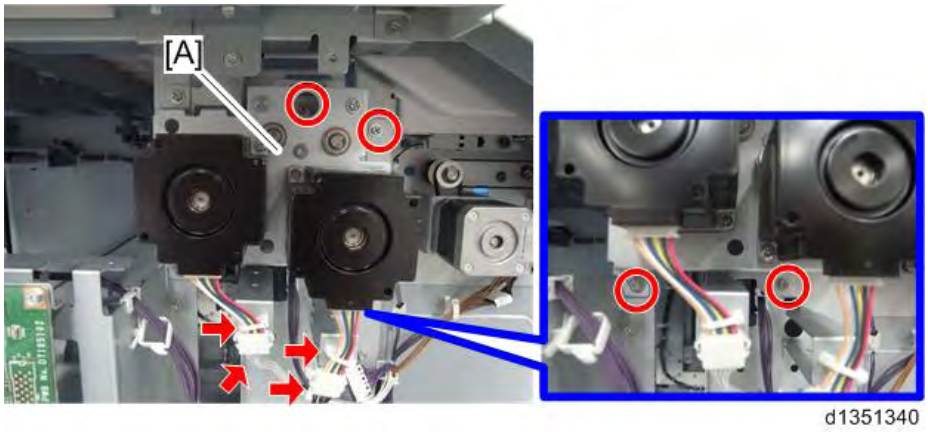
d1351338

Note

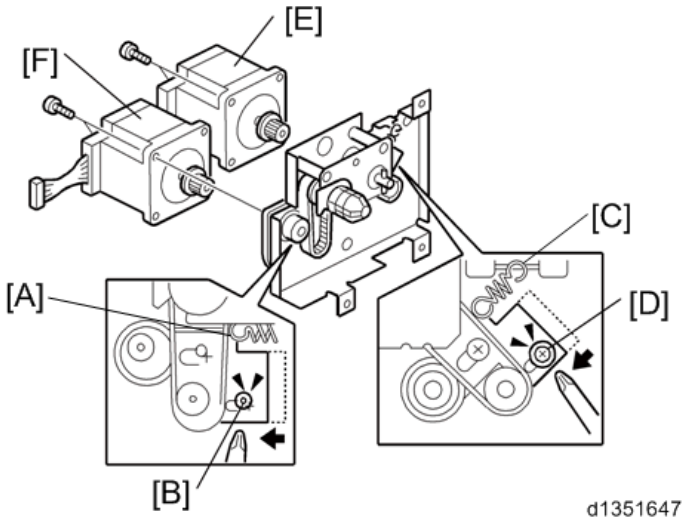
- When pushing the pin towards the front side, turn the shaft [A] so the pin can slip out from the keyhole [B].



4. Feed/Grip motor bracket [A] (x4, x2, x2)



5. Remove the spring [A], and then loosen screw [B].
6. Remove the spring [C], and then loosen screw [D].
7. Paper feed motor [E] (x2, Timing belt x1)
8. Grip motor [F] (x2, Timing belt x1)

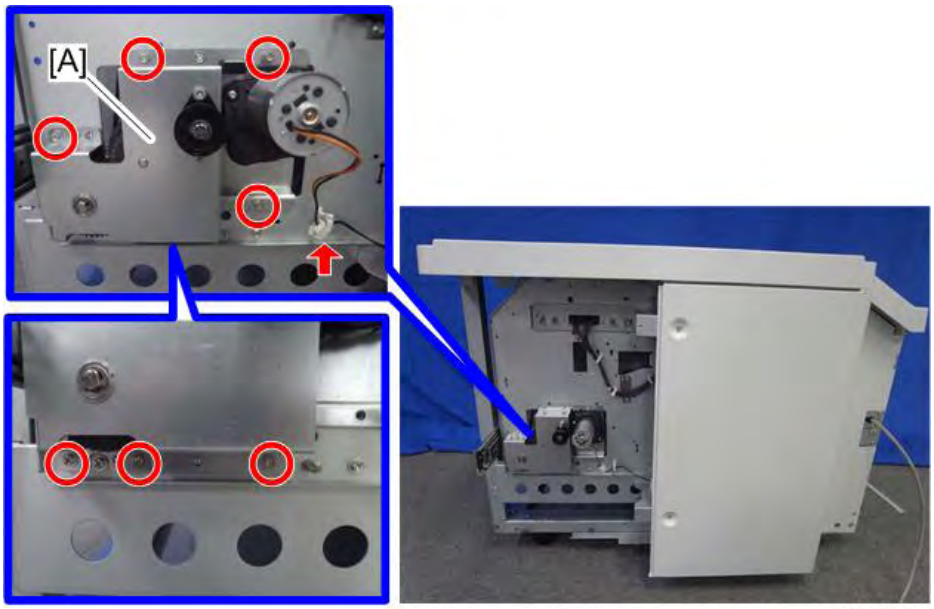


Note

- When you reinstall the motors, attach the tension springs, and then tighten the screws to tighten the belts.

1.4.3 LIFT MOTOR

1. Left rear cover (☛page 2 "External Covers")
2. Lift motor bracket [A] (x7, x 1)



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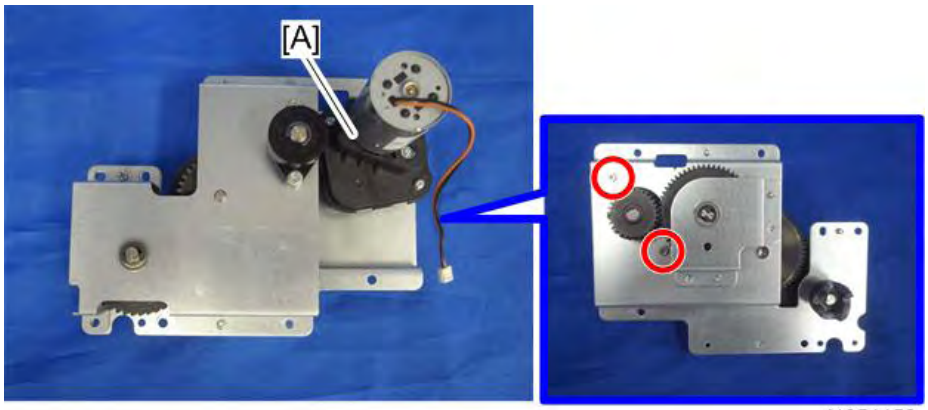
3. Lift motor [A] (x2, gear x 1, x1)



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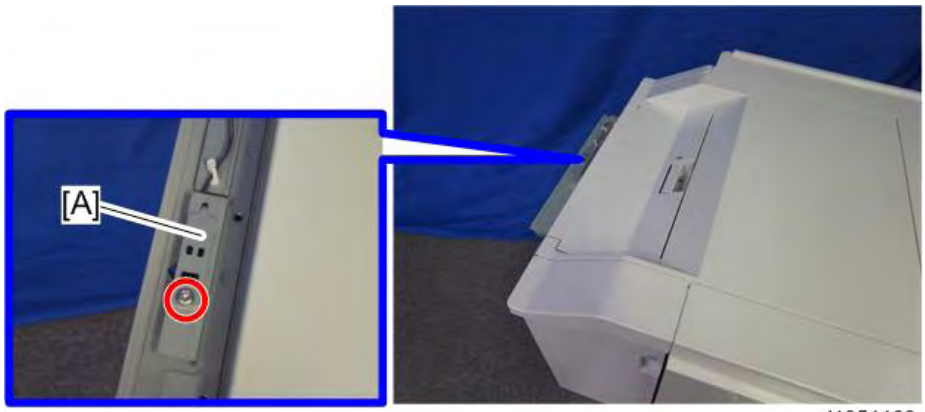
1.5 SENSORS

1.5.1 LCT CONNECTING SENSOR

1. LCT connecting sensor bracket [A] (x1)



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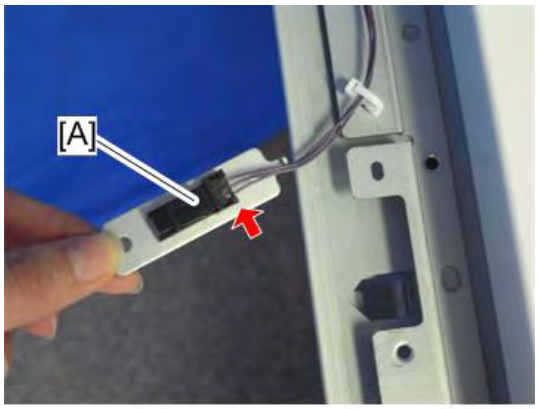
2. LCT connecting sensor [A] (x1, hook x 3)



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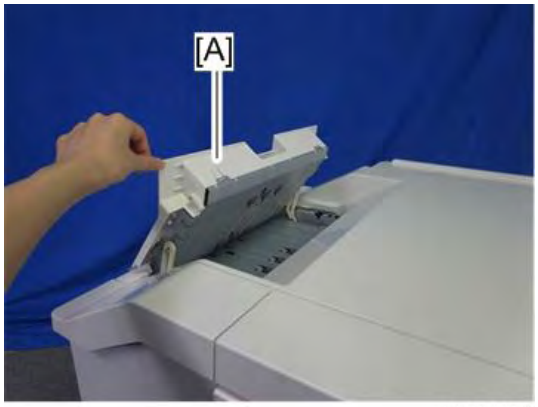
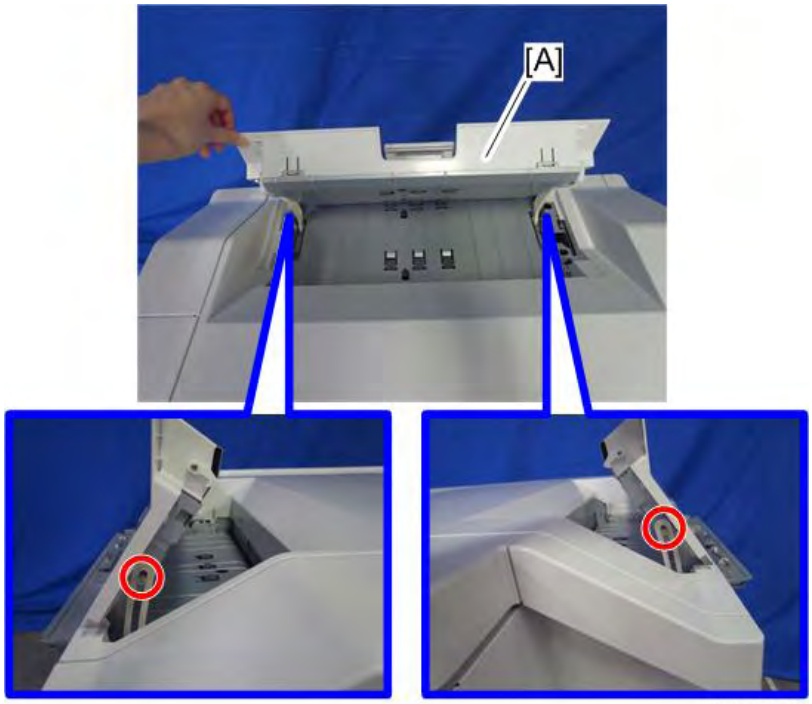
1.5.2 LCT EXIT SENSOR, RELAY SENSOR

1. Open the exit cover [A].



d1351157

2. Remove the screws of the exit cover [A]. (x2)



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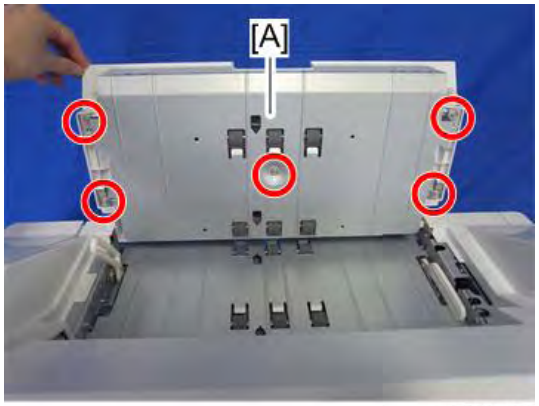
3. Disconnect the bottom plate [A] from the exit cover. (x5)



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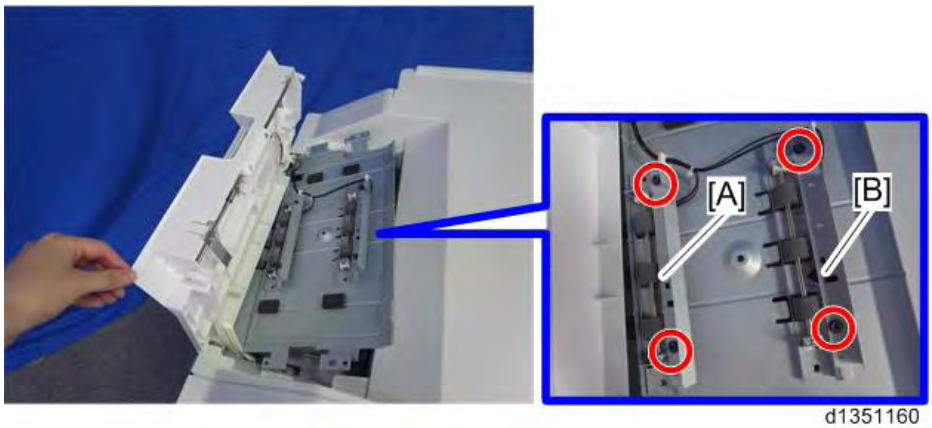
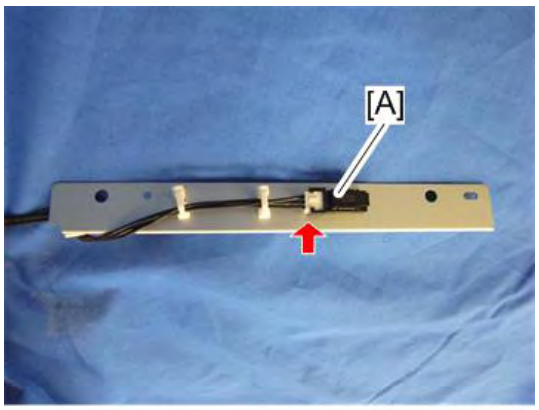
4. Remove the LCT exit sensor bracket [A] and relay sensor bracket [B] from the bottom plate. (x2 each)



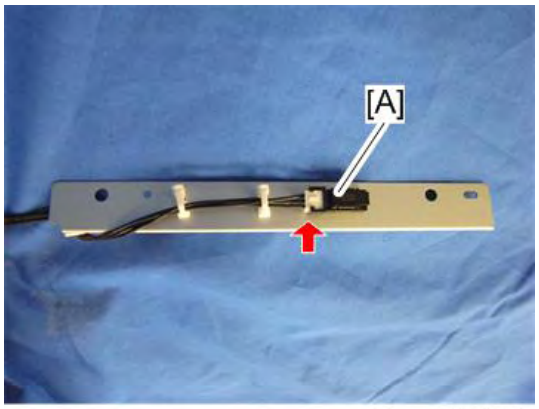
d1351160

5. Remove the LCT exit sensor [A] from the LCT exit sensor bracket. (x1, hook x 4)



d1351161

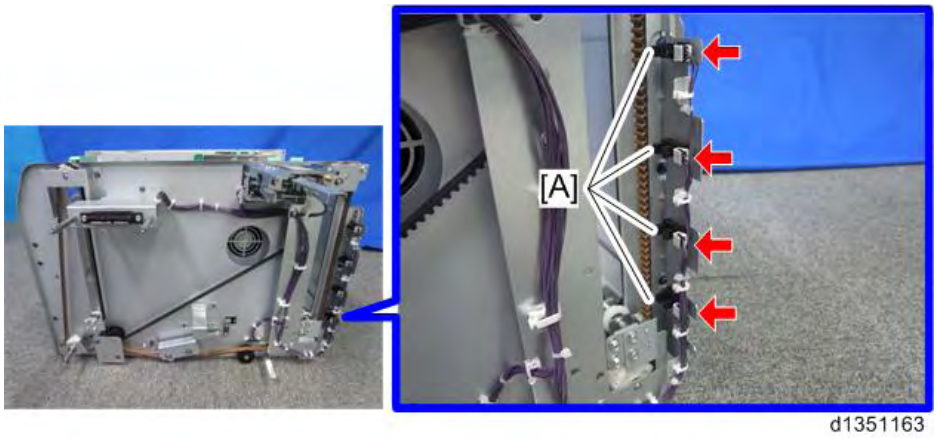
6. Remove the relay sensor [A] from the relay sensor bracket. (x1, hook x 4)



d1351161

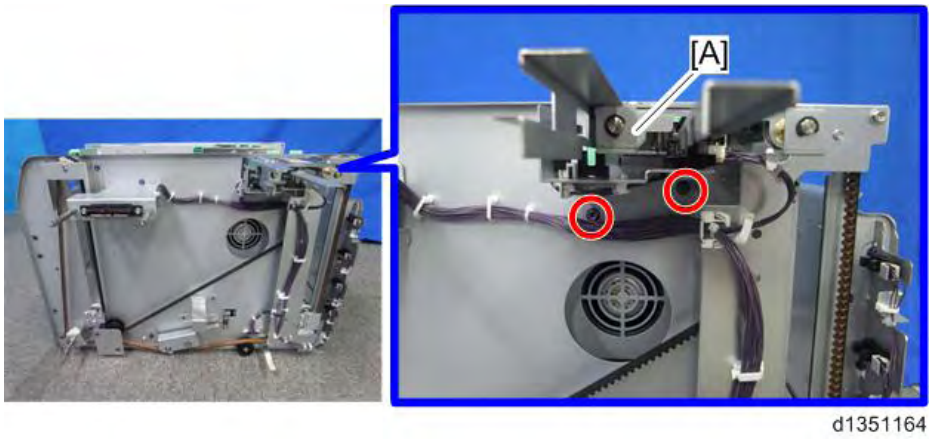
1.5.3 PAPER HEIGHT SENSORS

1. Paper tray (☛page 1)
2. Paper height sensors [A] (x 4) (x1, hook x 4 each)



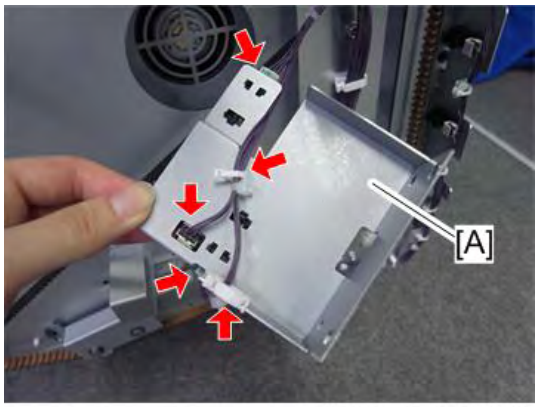
1.5.4 PAPER WIDTH SENSORS

1. Paper tray (☛page 1)
2. Remove the screws of the paper width sensor bracket [A]. (x2)



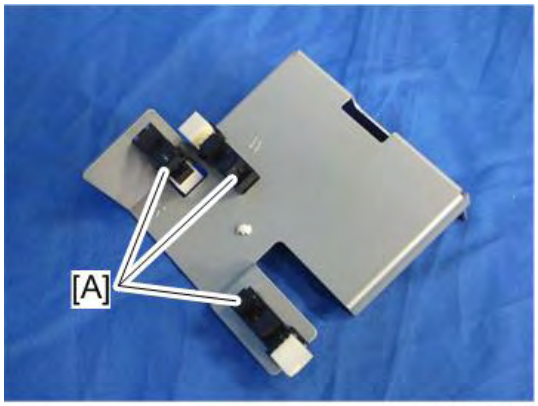
d1351164

3. Paper width sensor bracket [A] (x3, x 2 each)



d1351165

4. Paper width sensors [A] (x 3) (hook x 4 each)



d1351166

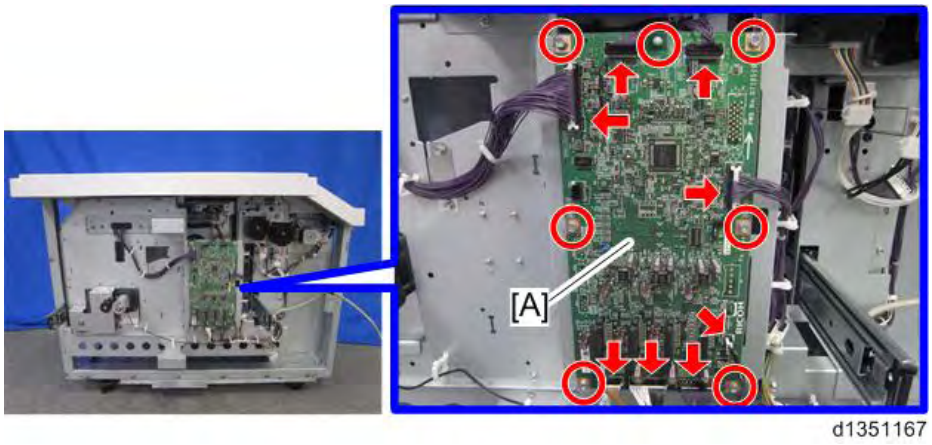
1.6 BOARDS

1.6.1 MAIN BOARD

1. Remove the right rear cover and left rear cover. (☛page 2 "

External Covers")

2. Main board [A] (x8, x6, Stand off x1)

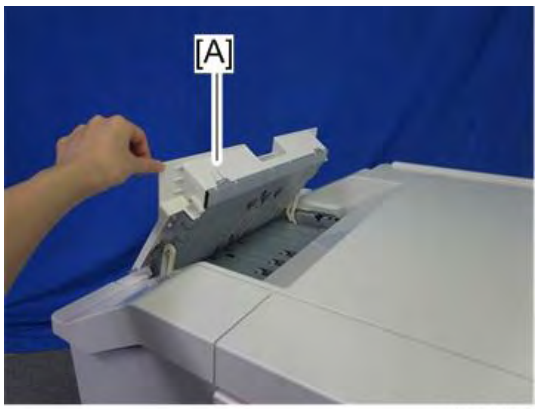


d1351167

1.7 OTHERS

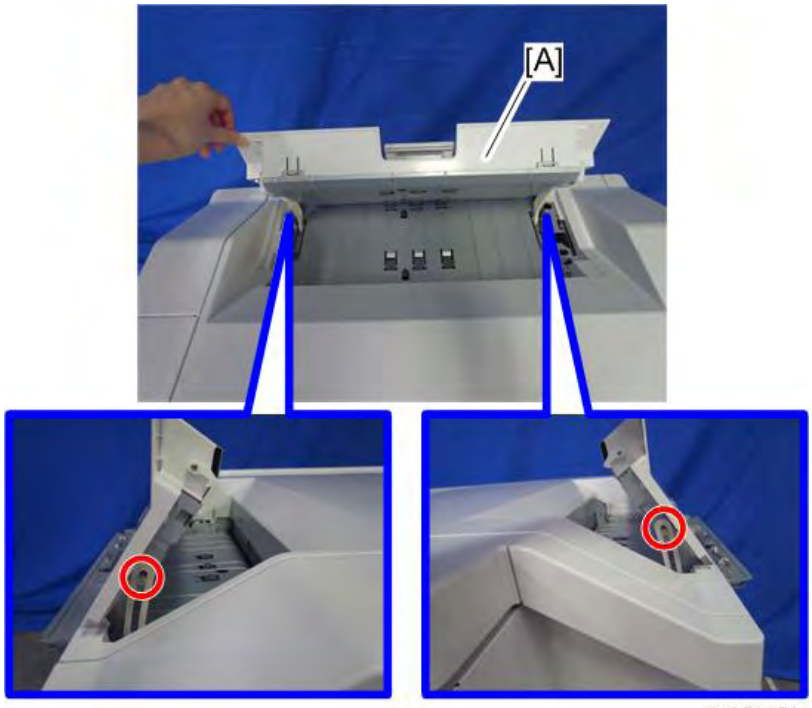
1.7.1 LCT EXIT LED

1. Open the exit cover [A].



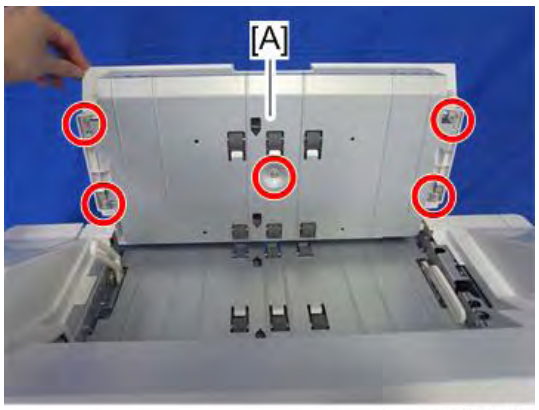
d1351157

2. Remove the screws of the exit cover [A]. (x2)



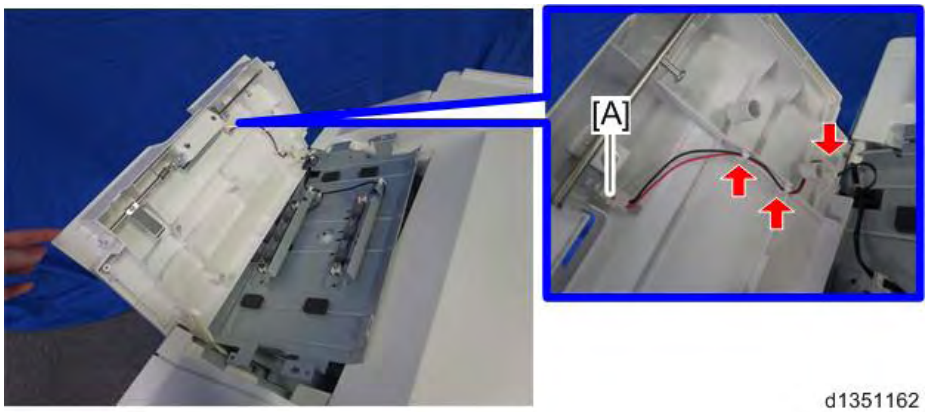
d1351158

3. Disconnect the bottom plate [A] from the exit cover. (x5)



d1351159

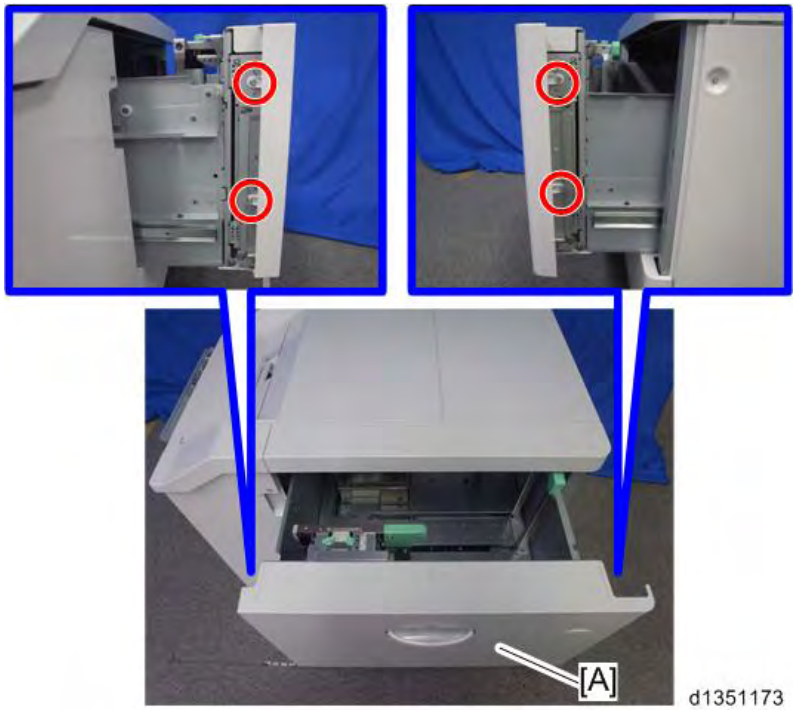
4. Remove the LCT Exit LED [A] from the back side of the exit cover. (x1, x 2)



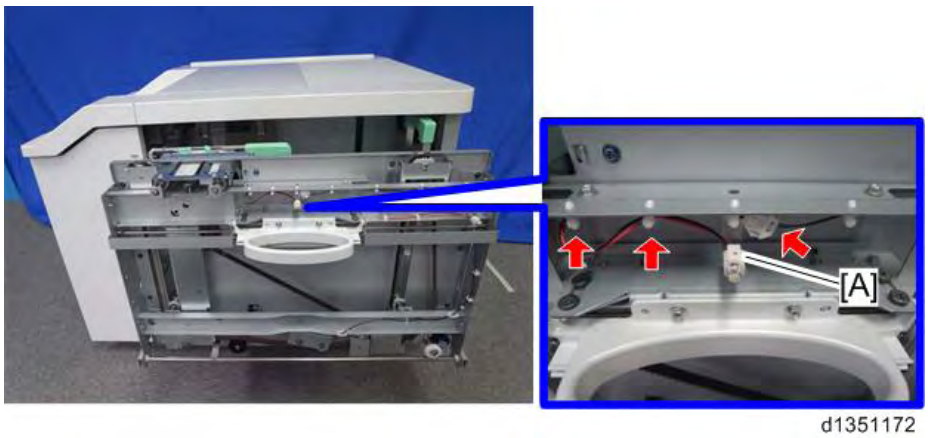
d1351162

1.7.2 TRAY COVER LED, ACTIVE LED

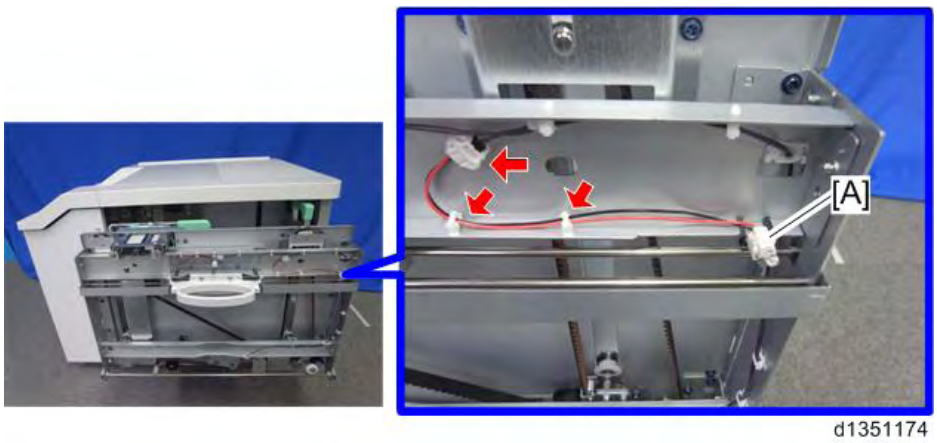
1. Pull out the tray.
2. Tray cover [A] (x4)



3. Tray cover LED [A] (x1, x 2)



4. Active LED [A] (x1, x 2)



d1351174

1.7.3 FRONT DOOR LED

1. Open the front door [A].
2. Inner cover [B] (x4)

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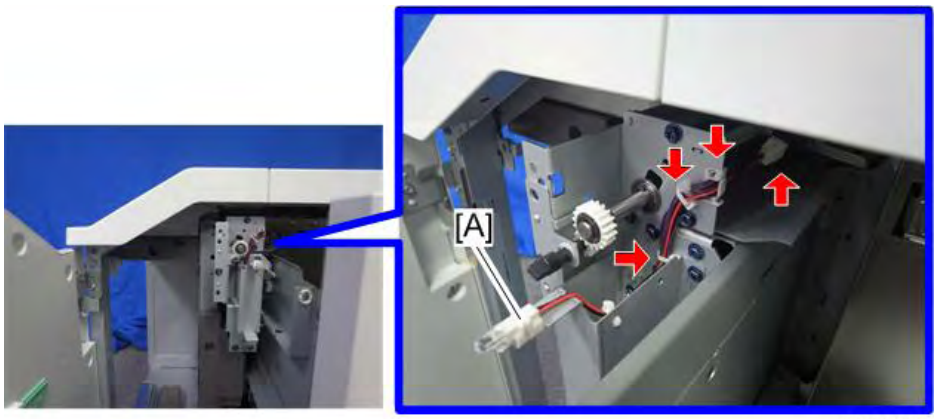
3. Pull out the tray, and then remove the front door LED [A]. (x1, x 3)



d1351176

D711

Cover Interposer Tray CI4010

REVISION HISTORY		
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COVER INTERPOSER TRAY CI4010 (D711)

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1.2 FEED UNIT, PICK-UP ROLLER.....2
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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the replacement procedures in this manual.

Symbols Used in this Manual

This manual uses the following symbols.

☛: See or Refer to

: Screws

: Connector

: Clip ring

: E-ring

1. REPLACEMENT AND ADJUSTMENT

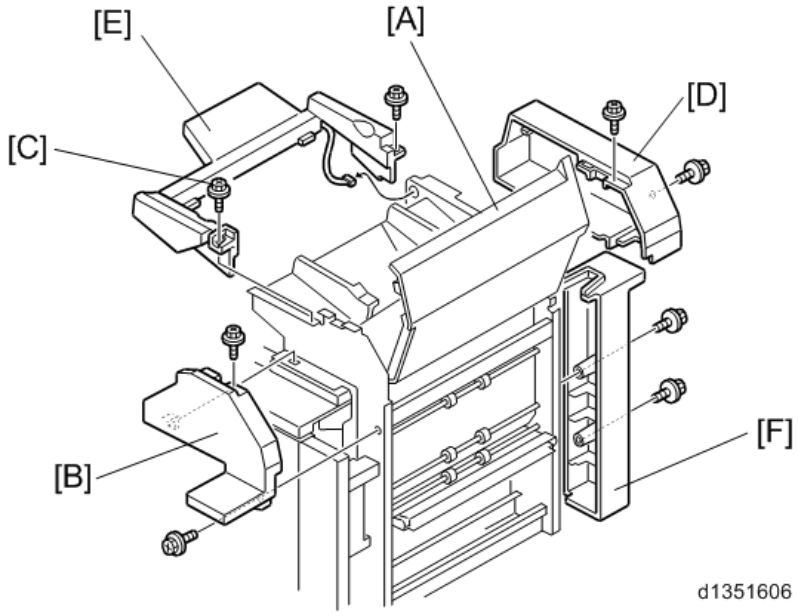
1.1 EXTERNAL COVERS

1. Open the feed cover [A].
2. Upper front cover [B] (x 2)

Note

- To remove the upper front cover, screw [C] must be removed.

3. Rear upper cover [D] (x 2)
4. Slip sheet tray [E] (x 2, x 1)
5. Rear middle cover [F] (x 2)

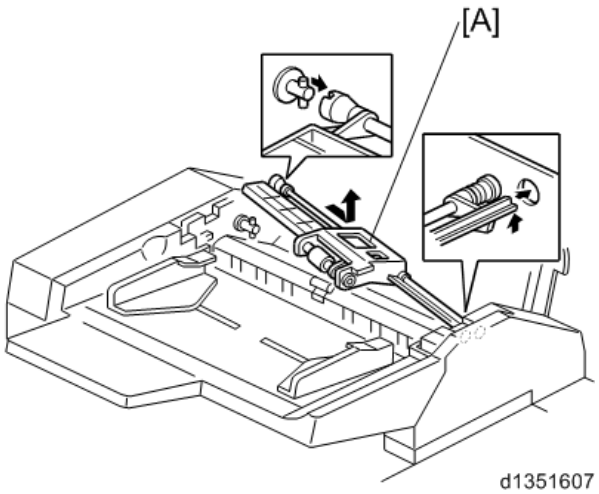


1.2 FEED UNIT, PICK-UP ROLLER

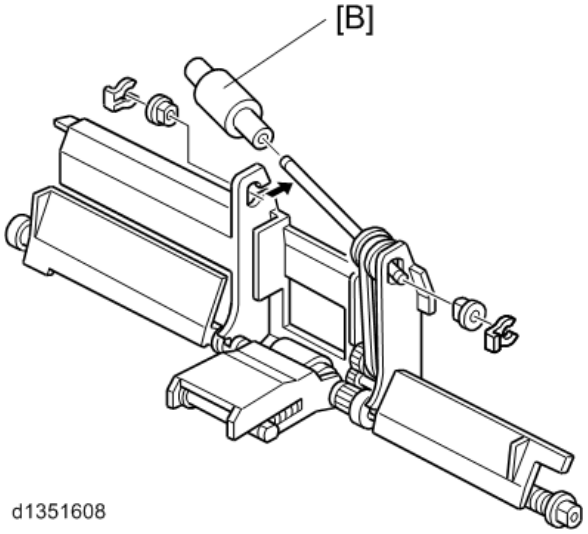
1. Open the feed cover.
2. Feed unit [A]

Note

- The unit is spring loaded. Push it to the right to release it, then lift it out.



3. Pick-up roller [B] (x 2, bushings x 2)



1.3 FEED BELT

1. Feed unit (☛page 2 "Feed Unit, Pick-Up Roller")
2. Pick-up roller unit [A]

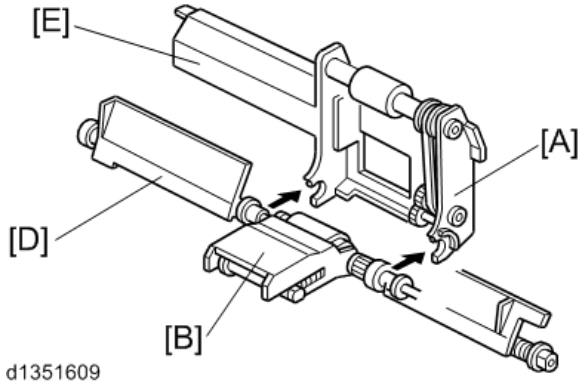
Note

- Pull the unit away from the bushings in the direction of the arrow.

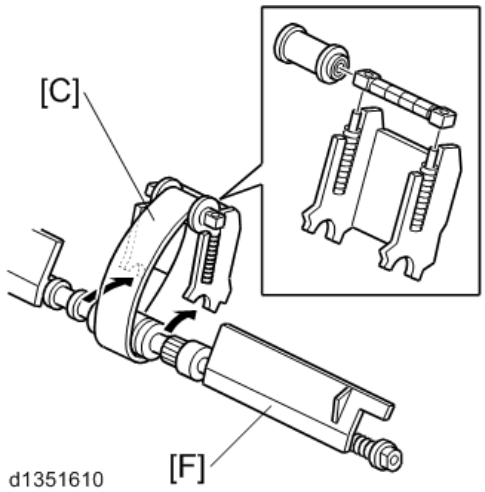
3. Feed belt holder [B]

Note

- Hold the feed belt holder by the sides, then lift up to separate from the holder.
- Pull slowly to avoid losing the springs.



4. Feed belt [C]



Re-assembly

1. Position the pick-up roller unit [A] and feed belt holder [B] as shown above.
2. On the rear side, slide out the bushing, and rotate [D] until its flat side is parallel with [E], then snap it on.
3. On the front side, rotate [F] until its flat side is parallel with [D], then snap it on. Viewed from the bottom, the plates must be aligned.

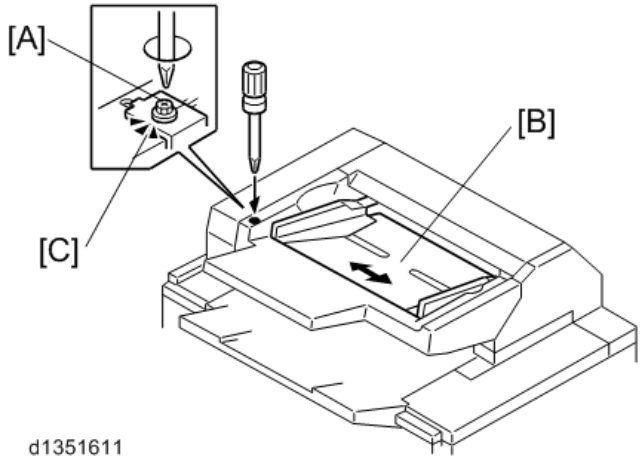
1.4 GUIDE PLATE ADJUSTMENT

Adjust the guide plate if the holes punched in the covers or slip sheets are not correctly aligned with holes punched in the other sheets.

1. Open the feed cover.
2. Loosen the screw [A].
3. Push the table [B] left or right to change its position, then tighten the screw.

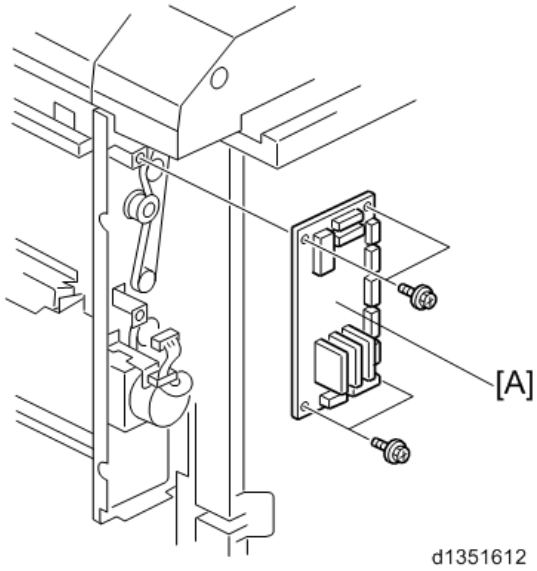
Note

- If you want to see the scale [C], you must remove the rear cover and the support tray.



1.5 MAIN BOARD

1. Open the top cover.
2. Rear cover (x 1)
3. Main board [A] (x 9, x 4)



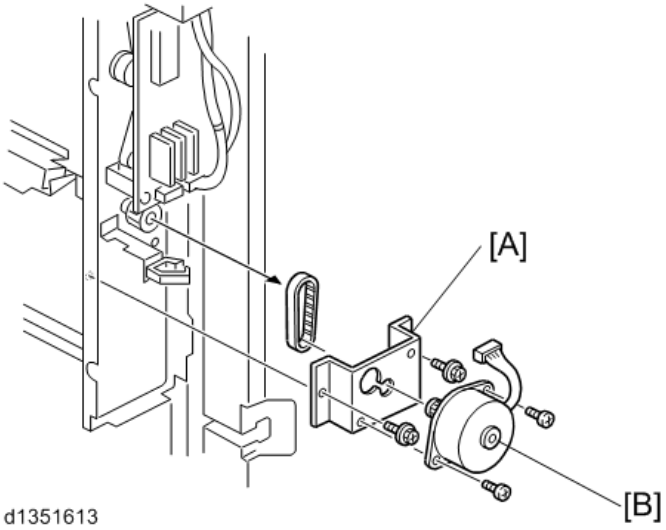
Note

- All DIP switch settings on the main board of the cover sheet unit should be set to OFF.

1.6 MOTOR REPLACEMENT

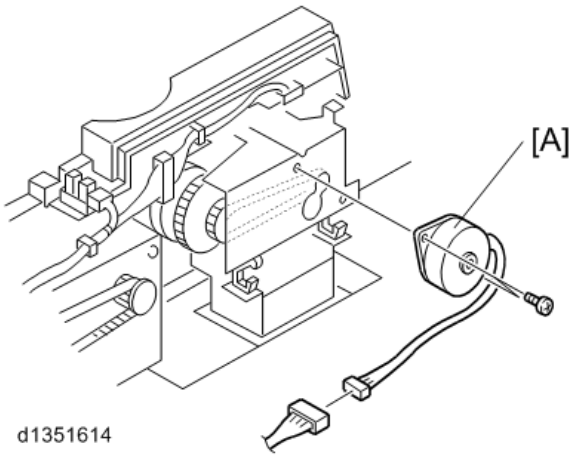
1.6.1 VERTICAL TRANSPORT MOTOR

1. Open the top cover.
2. Rear middle cover (x 1) (page 1 "External Covers")
3. Motor bracket [A] (x 1, harness x 1, x 2, timing belt x 1)
4. Motor [B] (x 2)



1.6.2 BOTTOM PLATE LIFT MOTOR

1. Rear upper cover (☛page 1 "External Covers")
2. Bottom plate lift motor [A] (harness x 2, x 1, x 2)

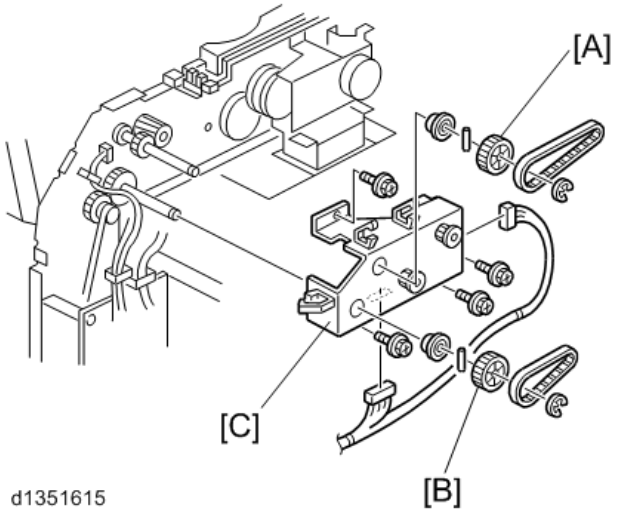


1.6.3 FEED MOTOR, TRANSPORT MOTOR

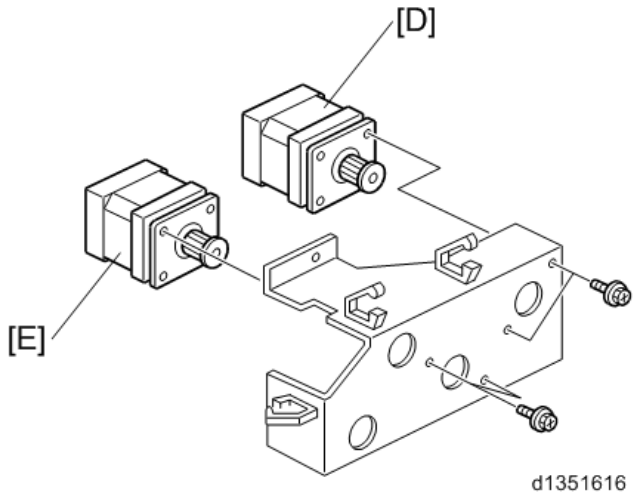
Note

- When removing the feed gear and transport gear, hold one hand under the gear to catch the pin as it falls from the hole in the shaft.

1. Rear upper cover (☛page 1 "External Covers")
2. Feed gear [A] (x 1, pin x 1, timing belt x 1, bushing x 1)
3. Transport gear [B] (x 1, pin x 1, timing belt x 1, bushing x 1)
4. Motor bracket [C] (harness x 5, x 4)



5. Feed motor [D] (x 1, x 2)
6. Transport motor [E] (x 1, x 2)



D712

COVER INTERPOSER TRAY CI4020

REVISION HISTORY		
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COVER INTERPOSER TRAY CI4020 (D712)

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READ THIS FIRST

Safety and Symbols

Replacement Procedure Safety

⚠CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the procedures in this manual.

Symbols

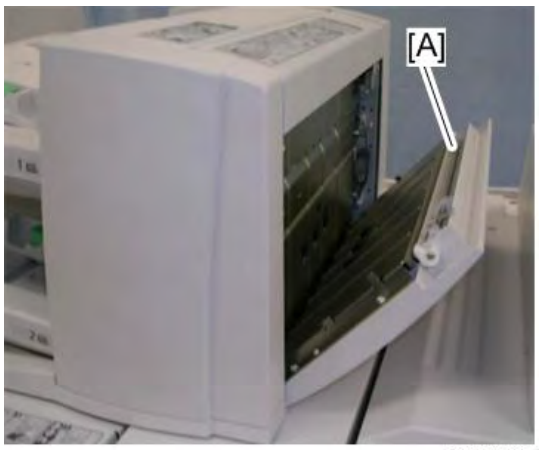
This manual uses the following symbols.

Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

1. REPLACEMENT AND ADJUSTMENT

1.1 COVERS

1. Open the vertical feed cover [A].



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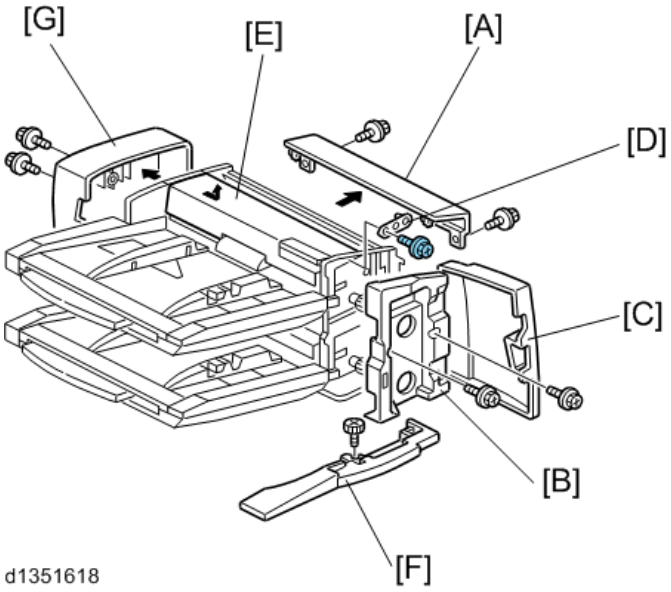
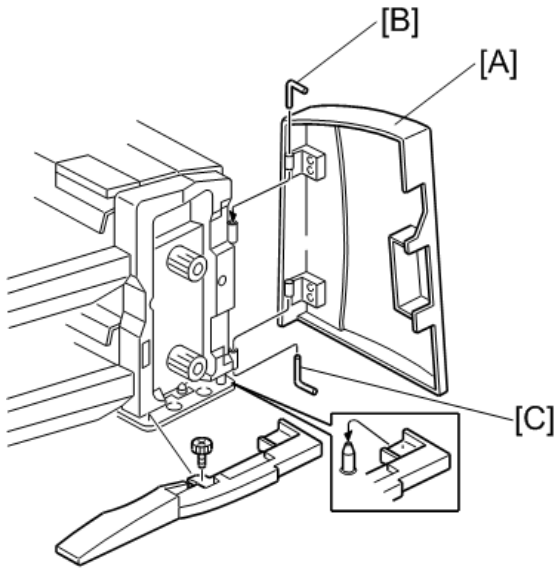
2. Top cover [A] (x2)
3. Inner cover [B] with front door [C] (x2)
4. 1st tray cover holder [D] (x1)
5. 1st tray cover [E]. Slide the cover toward you to remove it from the inside pins.
6. Base cover [F] (Knob x1)
7. Tray unit rear cover [G] (x2)



d1351618

8. Front door [A] (L-pins x2)
   - Swing the upper L-pin [B] out of its groove and pull it up.
   - Swing the lower L-pin [C] out of its groove and pull it down.



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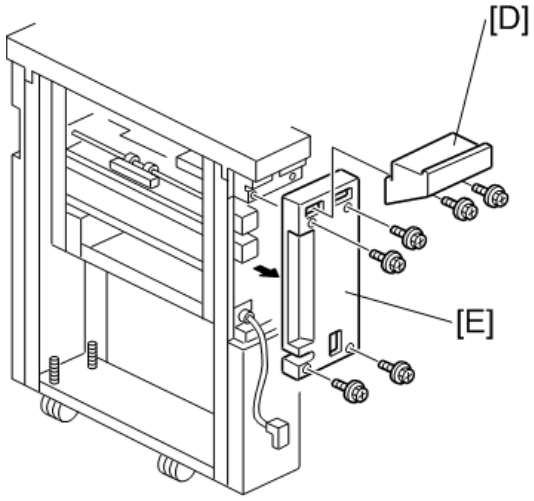
9. Rear top cover of the feed unit [D] (x2)
10. Feed unit rear upper cover [E] (x4)



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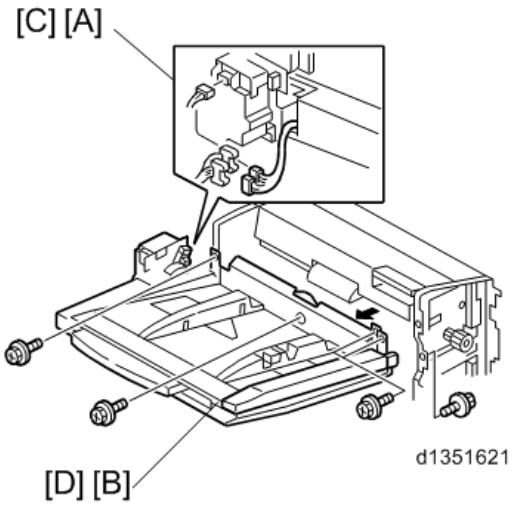
1.2 1ST, 2ND TRAYS

1st Tray

1. Remove the following. (☛page 1 "Covers")
   - Inner cover with front door
   - Tray unit rear cover
2. Disconnect the following [A]:
   - 1st lift motor (x1, x1)
   - White connectors (x2)
3. 1st tray [B] (x5)

2nd Tray

1. Remove the following. (☛page 1 "Covers")
   - Inner cover with tray unit front door
   - Tray unit rear cover
2. Disconnect the following [C]:
   - 2nd lift motor (x1, x1)
   - Red, blue connectors (x2)
3. 2nd tray [D] (x5)



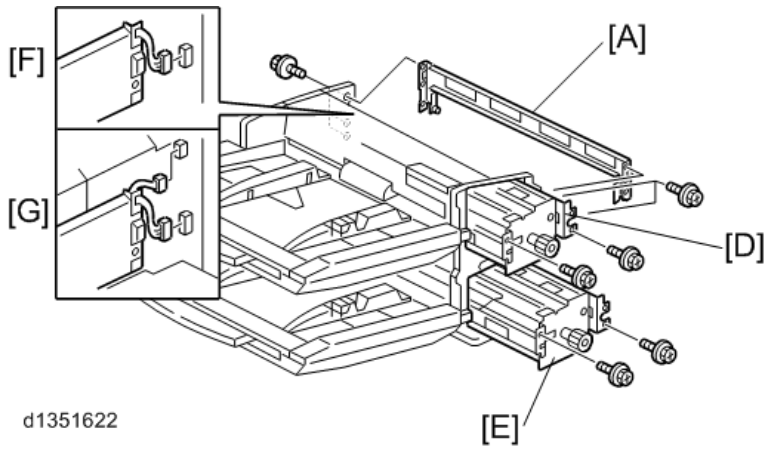
1.3 FEED UNITS

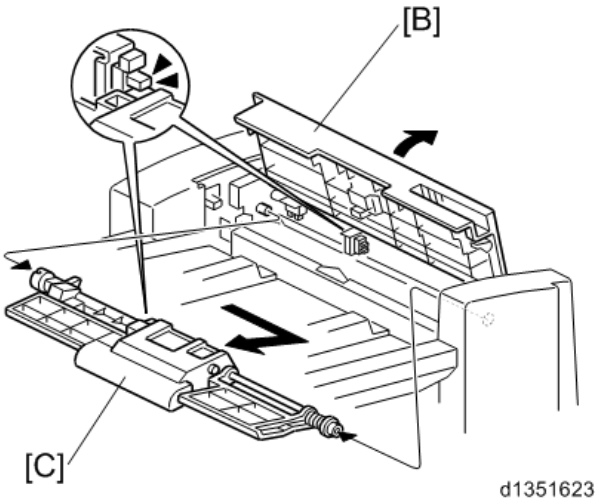
1st Feed Unit

1. Remove the following. (☛page 1 "Covers")
   - Top cover
   - Inner cover with front door
   - Tray unit rear cover
2. Stay [A] (x5)
3. Open the 1st tray cover [B] and hold it open.
4. 1st feed belt unit [C]
5. 1st feed unit [D] (x2, x2)

2nd Feed Unit

1. Open the vertical feed cover. (☛page 1 "Covers")
2. Remove inner cover with front door. (☛page 1 "Covers")
3. 2nd feed belt unit (same as [C])
4. 2nd feed unit [E] (x2, x2)





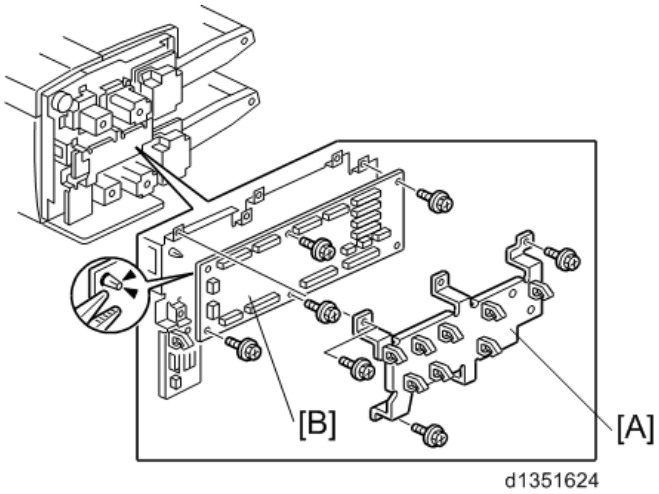
[F]: 1st Tray

[G]: 2nd Tray

1.4 BOARDS

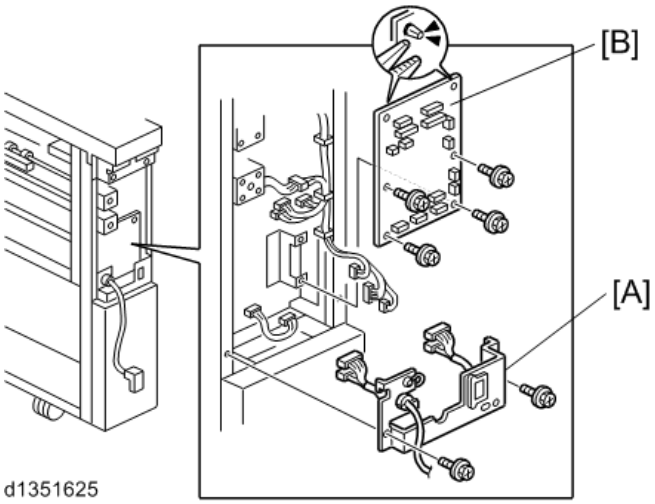
1.4.1 TRAY UNIT CONTROL BOARD

1. Tray unit rear cover (x2)
2. Board cover [A] (x3, x8)
3. Tray unit control board [B] (x 17, x5, Standoff x1)



1.4.2 MAIN CONTROL BOARD

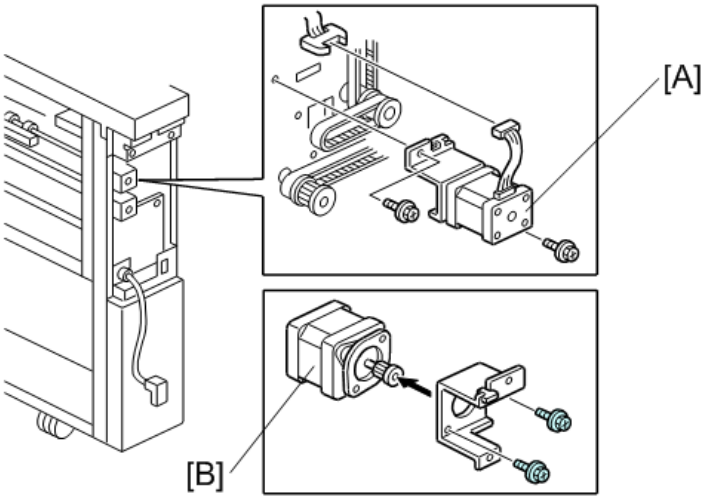
1. Transport unit rear upper cover (☛page 1 "Covers")
2. Connector bracket [A] (x2)
3. Main control board [B] (x4, x2, x14, Standoff x2)



1.5 MOTORS

1.5.1 VERTICAL TRANPORT MOTOR

1. Transport unit rear cover (☛page 1 "Covers")
2. Motor unit [A] (x2, x1, Timing belt x1)
3. Vertical transport motor [B] (x2)



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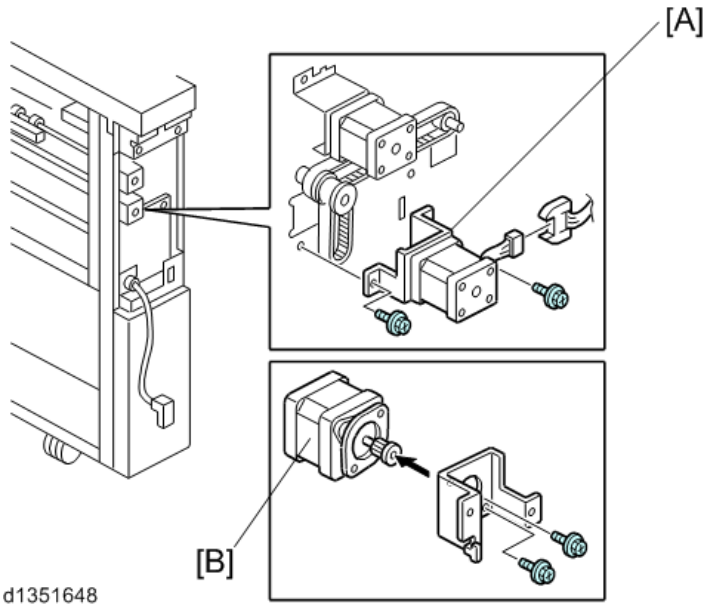
1.5.2 HORIZONTAL TRANSPORT MOTOR

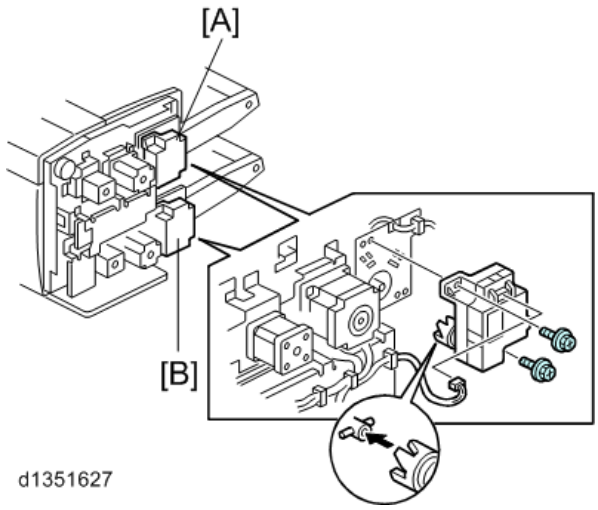
1. Transport unit rear cover (☛page 1 "Covers")
2. Motor unit [A] (x2, x1, Timing belt x1)
3. Horizontal transport motor [B] (x2)



d1351648

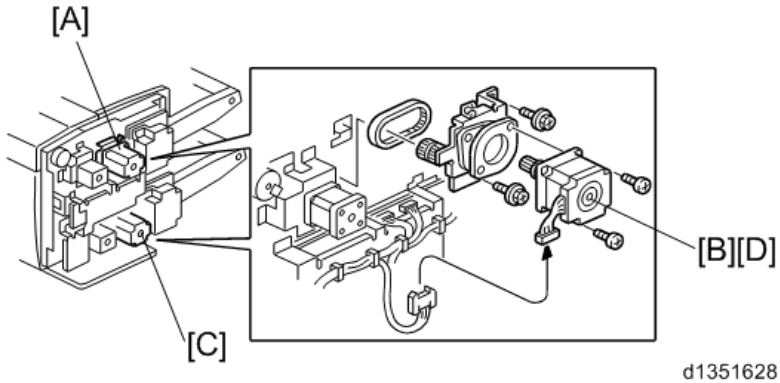
1.5.3 1ST, 2ND LIFT MOTORS

1. Tray unit rear cover (☛page 1 "Covers")
2. 1st lift motor [A] (x2, x1)
3. 2nd lift motor [B] (x2, x1)



1.5.4 1ST, 2ND FEED MOTORS

1. Tray unit rear cover (☛page 1 "Covers")
2. 1st feed motor unit [A] (x3, x2, x1)
3. 1st feed motor [B] (x2, Timing belt x1)
4. 2nd feed motor unit [C] (x3, x1)
5. 2nd feed motor unit [D] (x2, Timing belt x1)



1.5.5 1ST, 2ND TRANSPORT MOTORS

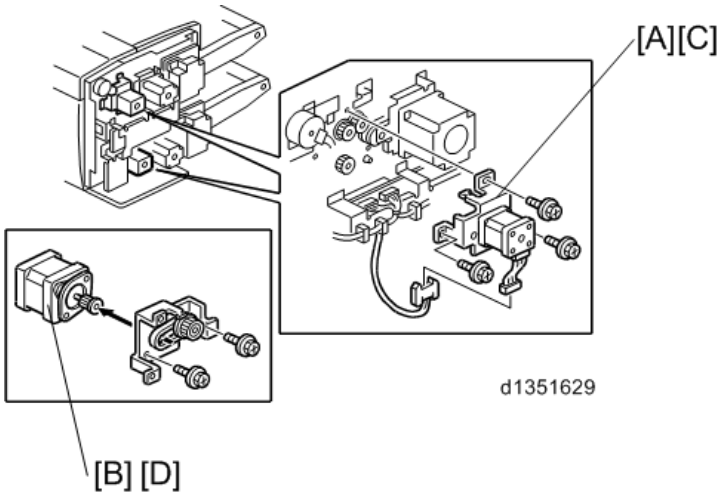
Remove tray unit rear cover. (☛page 1 "Covers")

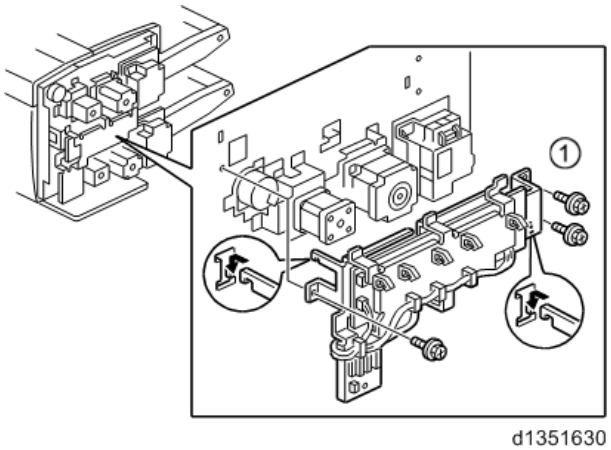
1st Transport Motor

1. 1st transport motor unit [A] (x3, x1)
2. 1st transport motor [B] (x2, Timing belt x1)

2nd Transport Motor

1. Tray unit control board unit ① (Hooks, x3, x9 (Motor x8, CN216))
2. 2nd transport motor unit [C] (x3)
3. 2nd transport motor [D] (x2, Timing belt x1)





1.5.6 1ST, 2ND PICK-UP MOTORS

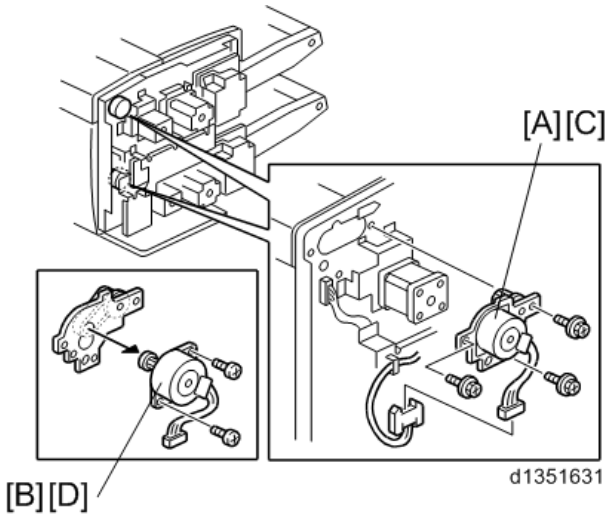
Remove the tray unit rear cover. (☛page 1 "Covers")

1st Pick-up Motor

1. 1st pick-up motor unit [A] (x1, x3)
2. 1st pick-up motor [B] (x2, Timing belt x1)

2nd Pick-up Motor

1. Tray unit control board unit ① (Hooks, x3, x9 (Motor x8, CN216))
2. 2nd pick-up motor unit [C] (x1, x3)
3. 2nd pick-up motor [D] (x2, Timing belt x1)



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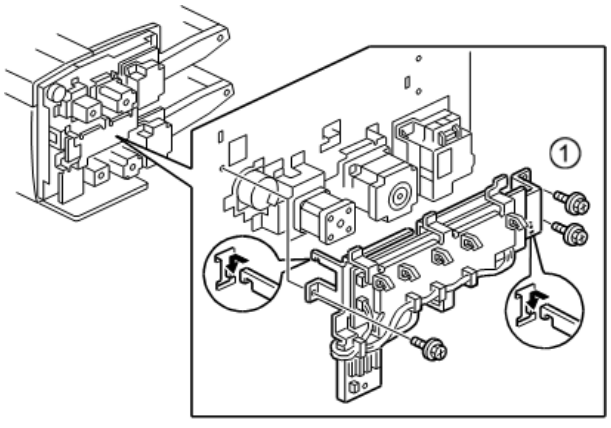

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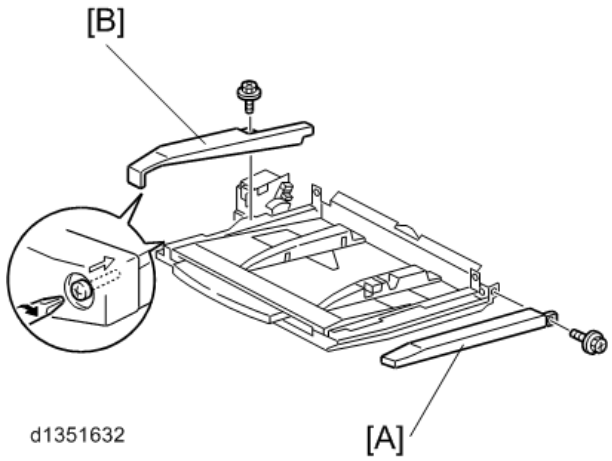
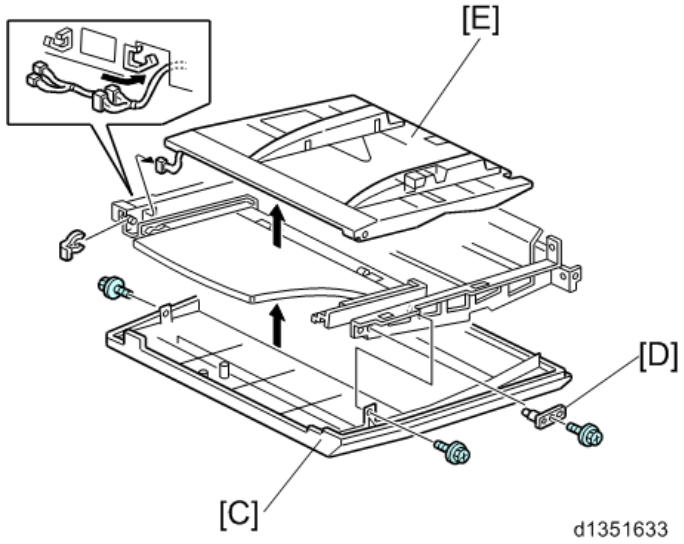
1.6 SENSORS

1.6.1 PAPER WIDTH SWITCH, SET SENSORS, LENGTH SENSOR

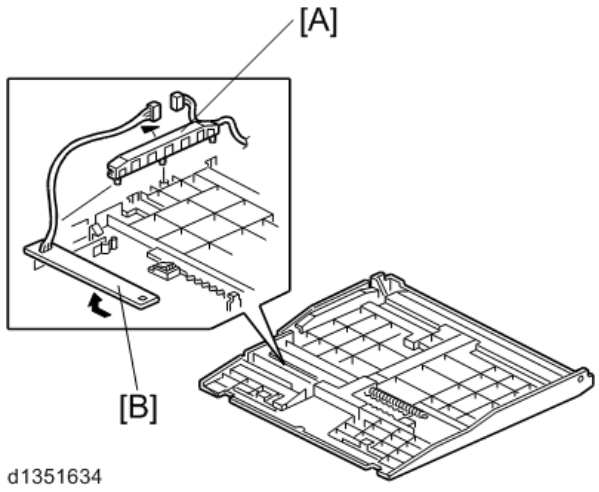
1. 1st or 2nd paper tray (☛page 3)
2. Front cover [A] (x1)
3. Rear cover [B] (x1)



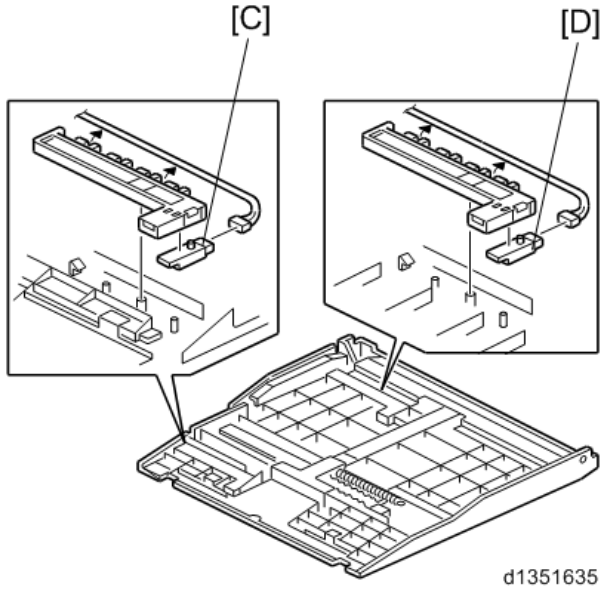
4. Bottom cover [C] (x2)
5. Holder pin [D] (x1, Spring x1)
6. Bottom plate [E] (x1)



7. Turn over the bottom plate so that it is facing up.
8. Harness cover [A] (Hooks x2)
9. Paper width switch [B] (Hooks x2, x4, x1)



10. Paper set sensor [C] (Hook x1, x1)
11. Paper length sensor [D] (Hooks x1, x1)



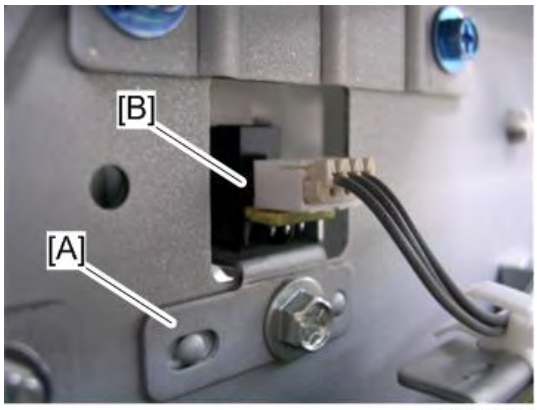
1.6.2 TRAY COVER SENSORS

1st Tray Cover Sensor

1. Tray unit rear cover (☛page 1 "Covers")
2. Open the 1st tray cover
3. Sensor unit [A] (x1, x1)
4. Tray cover sensor [B] (Pawls x2)

2nd Tray Cover Sensor

1. Remove the tray unit control board unit (☛page 9 "1st, 2nd Transport Motors")
2. Sensor unit [A] (x1, x1)
   Remove with the 2nd tray cover open.
3. Tray cover sensor [B] (Pawls x2)



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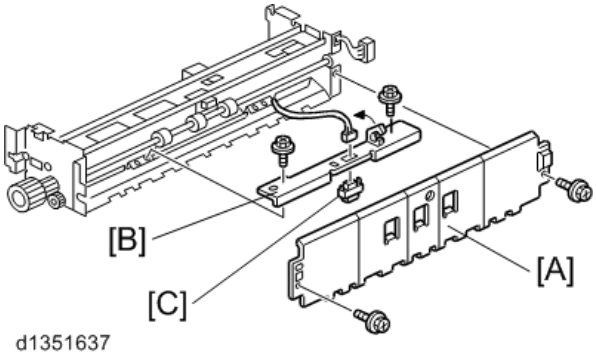
1.6.3 1ST TRANSPORT SENSOR

1. Remove the following.
   - Top cover (☛page 1 "Covers")
   - Vertical feed cover (☛page 4 "Feed Units")
   - Stay (☛page 7 "Motors")
2. Upper paper guide [A] (x2)
3. Sensor unit [B] (x2, x1, x1)
4. 1st transport sensor [C] (Pawls x2)



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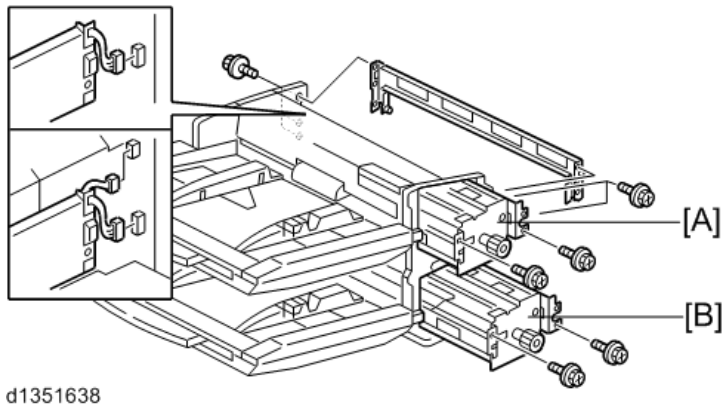
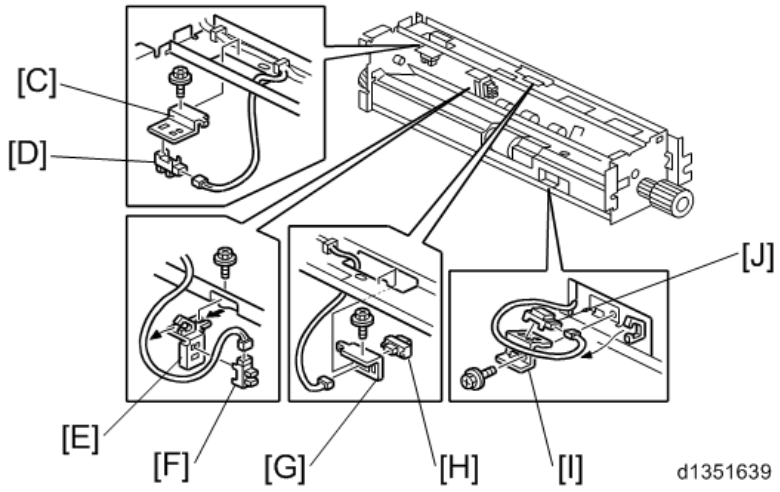
1.6.4 FEED UNIT SENSORS

1. 1st feed unit [A] (☛page 4 "Feed Units")
2. 2nd feed unit [B] (☛page 4 "Feed Units")

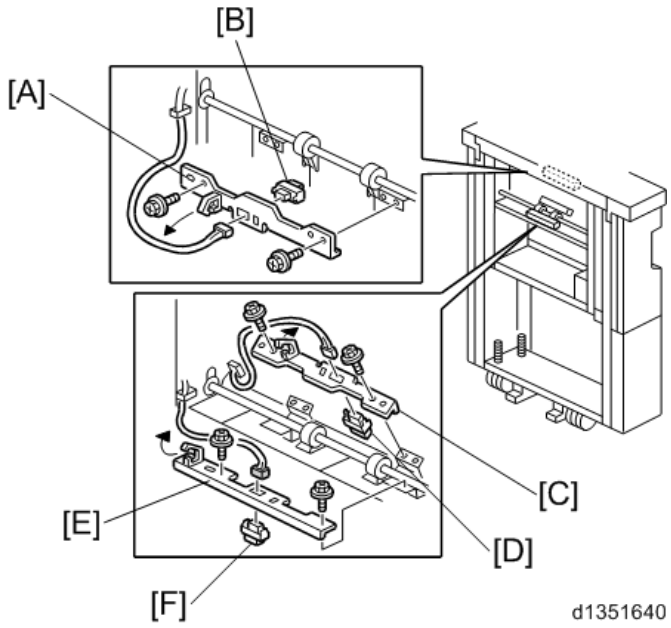


3. Sensor bracket [C] (x1, x1)
4. Pick-up roller HP sensor [D] (Pawls x2)
5. Sensor bracket [E] (x1, x1, x1)
6. Bottom plate position sensor [F] (Pawls x2)
7. Sensor bracket (x1, x1) [G] (2nd feed unit only)
8. 1st Vertical transport sensor [H] (Pawls x2) (2nd feed unit only)
9. Sensor bracket [I] (x1, x1, x1)
10. Paper feed sensor [J] (Pawls x2)



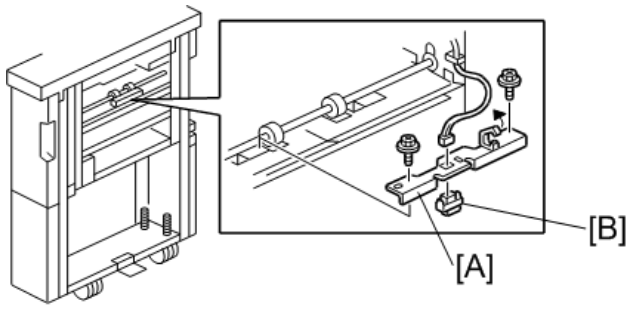
1.6.5 2ND VERTICAL TRANSPORT, EXIT SENSOR

1. Sensor unit [A] (x1, x1, x1)
2. 2nd vertical transport sensor [B] (Pawls x2)
3. Sensor unit [C] (x2, x1, x1)
4. Vertical exit sensor [D] (Pawls x2)
5. Sensor unit [E] (x2, x1, x1)
6. Exit sensor [F] (Pawls x2)



1.6.6 ENTRANCE SENSOR

1. Sensor unit [A] (x2, x1, x1)
2. Entrance sensor [B] (Pawls x2)



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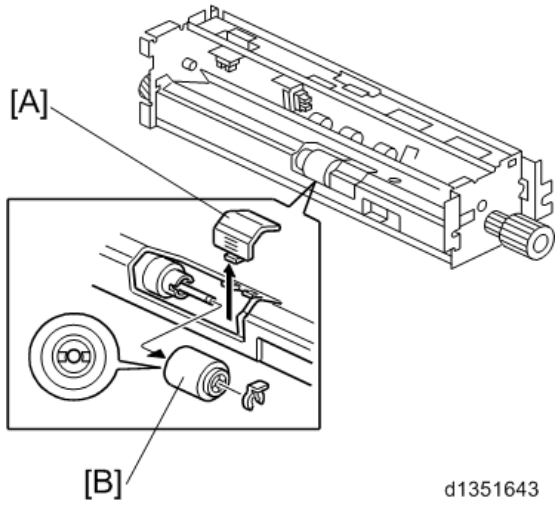
1.7 ROLLERS

1.7.1 SEPARATION ROLLER

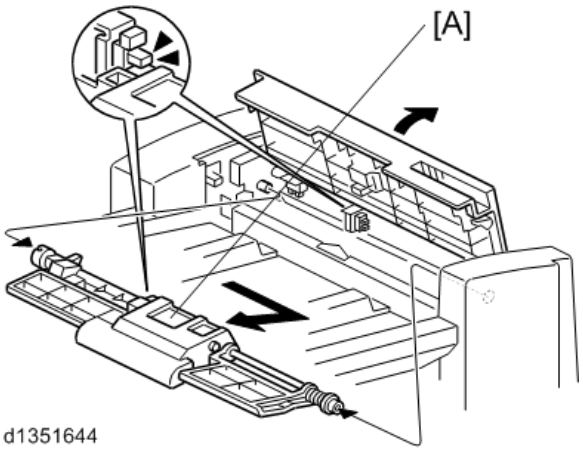
1. 1st (or 2nd) feed unit (☛page 4 "Feed Units")
2. Cover [A]
3. Separation Roller [B] (♨ x1)



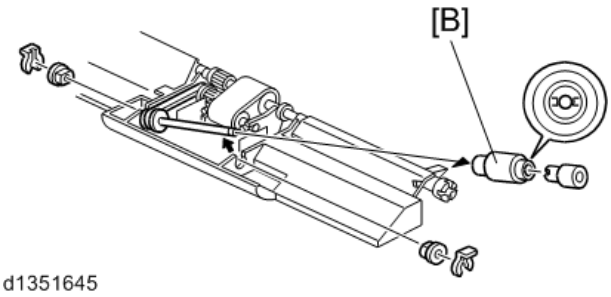
1.7.2 FEED BELT UNIT AND PICK-UP ROLLER

1. Open the 1st tray cover.
2. Feed belt unit [A]

   The unit is spring loaded. Push it to the right to release it, then lift it out.

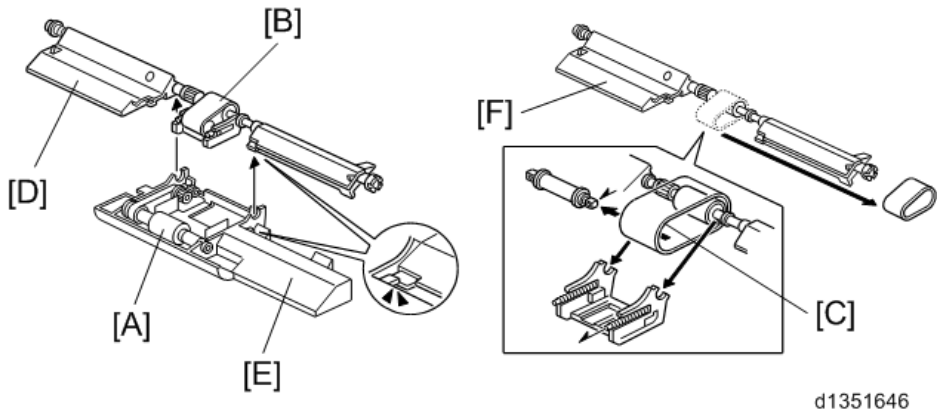


3. Pick-up roller [B] (x 2, bushings x 2)



1.7.3 FEED BELT

1. Feed belt unit (☛page 18 "Feed Belt Unit and Pick-Up Roller")
2. Pick-up roller unit [A]
   Pull the unit away from the bushings in the direction of the arrow.
3. Feed belt holder [B]
   - Hold the feed belt holder by the sides, then lift up to separate from the holder.
   - Pull slowly to avoid losing the springs.
4. Feed belt [C]



Re-assembly

1. Position the pick-up roller unit [A] and feed belt holder [B] as shown above.
2. On the rear side, slide out the bushing, and rotate guide plate [D] until its stepped side attaches at [E] as shown above, then snap the guide plate on.
3. On the front side, rotate guide plate [F] until its flat side is parallel with [D], then snap it on.
   Viewed from the bottom, the plates must be aligned.
4.
5.

D727
DECURL UNIT DU5020

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

DECURL UNIT DU5020 (D727)

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READ THIS FIRST

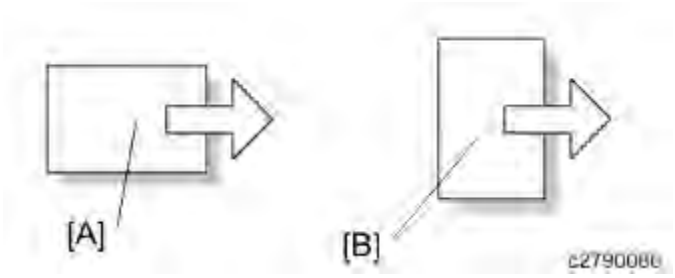
Safety, Conventions, Trademarks

Conventions

Common Terms

This is a list of symbols and abbreviations used in this manual.

Symbol	What it means
	Screw
	Connector
	E-ring
	C-ring
	Harness clamp
FFC	Flexible Film Cable
JG	Junction Gate
LE	Leading Edge of paper
LEF	Long Edge Feed
SEF	Short Edge Feed
TE	Trailing Edge of paper
S31E	The "Emitter" sensor of a sensor pair
S31R	The "Receptor" sensor of a sensor pair



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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 finisher 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

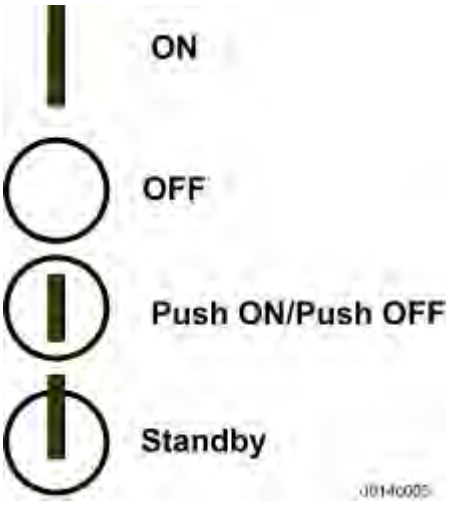
Always obey the following safety precautions when using this product.

Safety During Operation

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

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.



Responsibilities of the Customer Engineer

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 of the machine.

Before Installation, Maintenance

Power

⚠WARNING

- Always disconnect the power plug before doing any maintenance procedure. After switching off the machine, power is still supplied to the main machine and other devices. To prevent electrical shock, switch the machine off, wait for a few seconds, then unplug the machine from the power source.
- Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, never touch electrical components or moving parts (gears, timing belts, etc.).
- After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.

Installation, Disassembly, and Adjustments

⚠CAUTION

- After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., removed for installation, have been removed and that no tools remain inside the machine. This also ensures that all release interlock switches have been restored to normal operation.
- Never use your fingers to check moving parts causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tools

⚠CAUTION

- Use only standard tools approved for machine maintenance.
- For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

⚠CAUTION

- Before you begin a maintenance procedure: 1) Switch the machine off, 2) Disconnect the power plug from the power source, 3) Allow the machine to cool for at least 10 minutes.
- Avoid touching the components inside the machine that are labeled as hot surfaces.

Safety Devices

⚠WARNING

- Never remove any safety device unless it requires replacement. Always replace safety devices immediately.
- Never do any procedure that defeats the function of any safety device. 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.
- 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.

Organic Cleaners

⚠CAUTION

- During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual.
- Make sure the room is well ventilated before using any organic cleaner. Use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
- Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
- Wash your hands thoroughly after cleaning parts with an organic cleaner to contamination of food, drinks, etc. which could cause illness.
- 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. Use “My Ace” Silicone Oil Remover (or dry rags) to soak up spills. For more details, please refer to Technical Bulletin “Silicone Oil Removal” (A024-50).

Ozone Filters

⚠CAUTION

- Always replace ozone filters as soon as their service life expires (as described in the service manual).
- An excessive amount of ozone can build up around machines that use ozone filters if they are not replaced at the prescribed time. Excessive ozone could cause personnel working around the machine to feel unwell.

Power Plug and Power Cord

⚠WARNING

- Before servicing the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
- Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat which could cause a fire.
- Inspect the length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
- Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the power cord can cause excessive heat to build up and could cause a fire.
- Make sure that the area around the power source is free of obstacles so the power cord

can be removed quickly in case of an emergency.

- Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
- Connect the power cord directly into the power source. Never use an extension cord.
- When you disconnect the power plug from the power source, always pull on the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

⚠CAUTION

- Always dispose of used items (developer, toner, toner cartridges, OPC drums, etc.) in accordance with the local laws and regulations regarding the disposal of such items.
- To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.

Points to Confirm with Operators

At the end of installation or a service call, instruct the user about use of the machine. Emphasize the following points.

- Show operators how to remove jammed paper and troubleshoot other minor problems by following the procedures described in the operating instructions.
- Point out the parts inside the machine that they should never touch or attempt to remove.
- Confirm that operators know how to store and dispose of consumables.
- Make sure that all operators have access to an operating instruction manual for the machine.
- Confirm that operators have read and understand all the safety instructions described in the operating instructions.
- Demonstrate how to turn off the power and disconnect the power plug (by pulling the plug, not the cord) if any of the following events occur: 1) something has spilled into the product, 2) service or repair of the product is necessary, 3) the product cover has been damaged.
- Caution operators about removing paper fasteners around the machine. They should never allow paper clips, staples, or any other small metallic objects to fall into the machine.

Safety Instructions for this Machine

1. The installation must be done by trained service technicians.
2. This machine weighs 316 kg. (695 lb.). At least four persons are required to remove the machine from its pallet and position it for installation.
3. To prevent fire hazards never use flammable solvents around the machine.
4. Never place any object on the machine.
5. If anything falls into the machine, turn off the main power switch on the right side of the machine, then disconnect the power cord from the power source.
6. Locate the machine on a sturdy flat surface where it will not be exposed to excessive vibration.
7. To avoid fire hazard, confirm that the ventilation ports are not blocked, so air can flow freely.
8. Gas generated by the molten glue can irritate the eyes, throat, and nose. The machine should always be used in a well ventilated room.
9. To avoid the dangers of fire and electrical shock, make sure that the machine is never exposed to:
    - Excessive high temperatures and/or humidity
    - Dust
    - Water
    - Direct sunlight
    - Open flame
    - Corrosive gases

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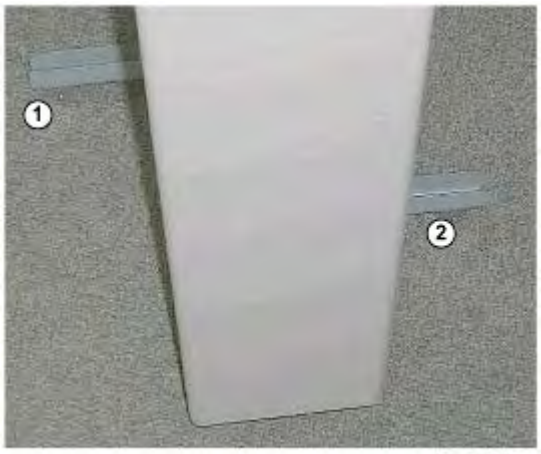
1. REPLACEMENT AND ADJUSTMENT

1.1 COMMON PROCEDURES

1.1.1 PREPARATION FOR SAFE SERVICING



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⚠CAUTION

- The De-curl Unit is top heavy, has an extremely narrow base, and can fall easily.
- Always attach the stabilizers before servicing the De-curl Unit.
- Never leave the De-curl Unit unattended in the work area without the stabilizers ① and ② attached.
- The stabilizers must be installed on the left and right sides as shown above.

Disconnecting the Downstream Unit

1. Disconnect the De-curl Unit [A] and the downstream unit [B] from the main machine.

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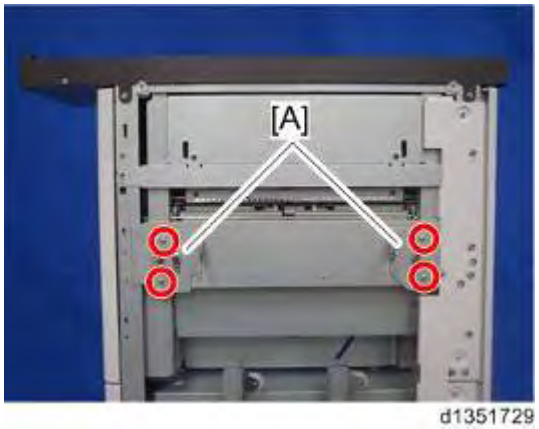
2. Open the front door of the downstream unit.
3. Lock bar screw [A] (🔩 x1)

4. Pull the lock bar out until it stops.
5. Pull the downstream unit away from the De-curl Unit.
6. Push the lock bar in and re-attach the screw removed in **Step 3** so that you do not lose it.

Disconnecting the De-curl Unit

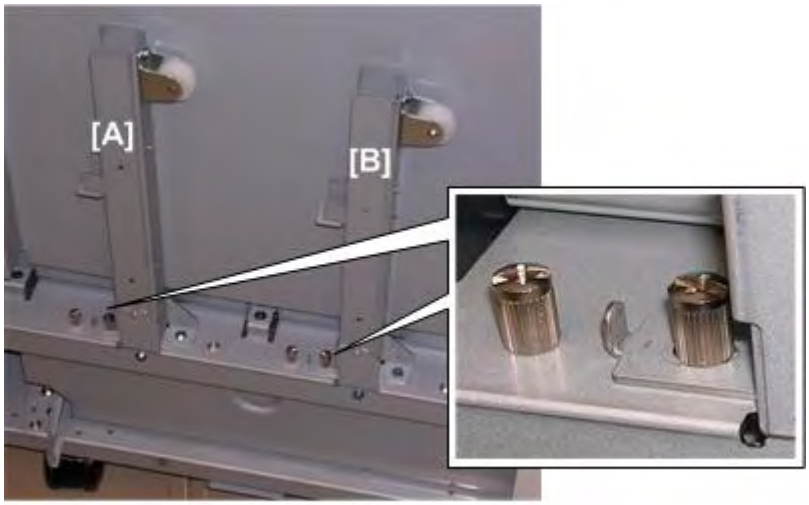
1. Remove the joint bracket [A] from the left side of De-curl Unit (x4).



⚠CAUTION

- The corners and edges of the joint bracket are sharp.
- Remove the joint bracket to prevent injury while working around the De-curl Unit.
- We recommend that you ask someone to hold the top of the de-curl unit while you attach the stabilizers. (This procedure requires about 10 minutes.)

2. On the left side, remove:
   [A] Stabilizer leg (x2 Knob screws)
   [B] Stabilizer leg (x2, Knob screws)

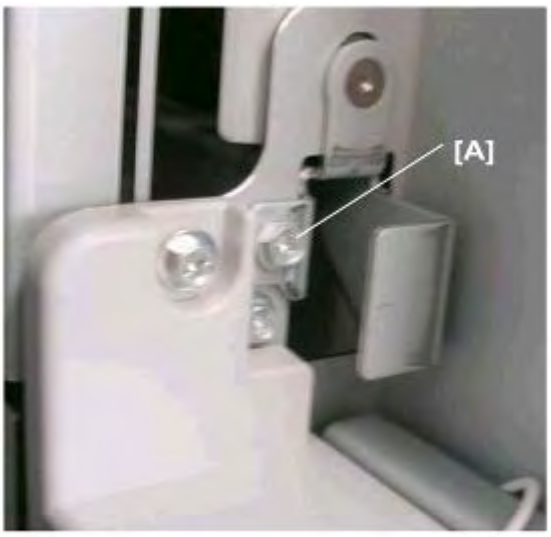


d457r006

3. Set the stabilizers and the knob screws aside.

d457r007

4. Open the front door of the De-curl Unit.
5. Lock bar screw [A] (x1)



d457r008

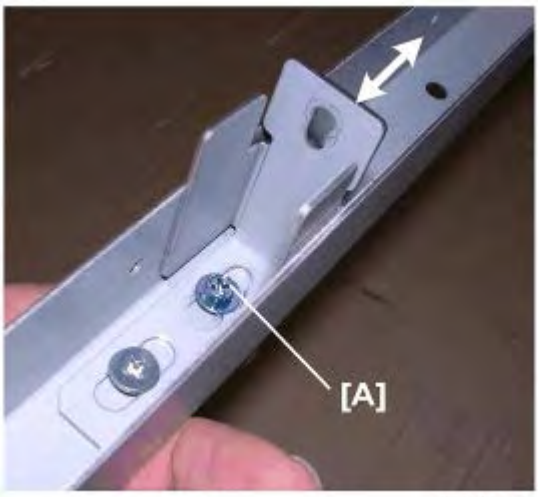
6. Pull out the lock bar until it stops.
7. Pull the De-curl Unit away from the main machine until you can see the ends of the joint bracket [A], then stop.

d457r009

8. Push in the lock bar, and re-attach the screw that you removed in **Step 5** so that you will not lose it.

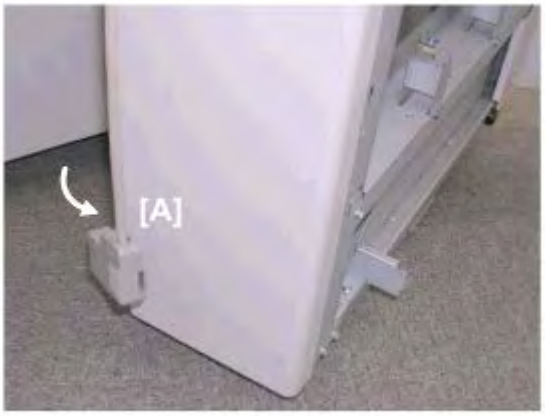
Stabilizing the De-curl Unit

1. For each stabilizer:
   - Loosen screw [A] (do not remove it) so that the bracket moves freely from side to side.
   - Do not loosen the other screw!



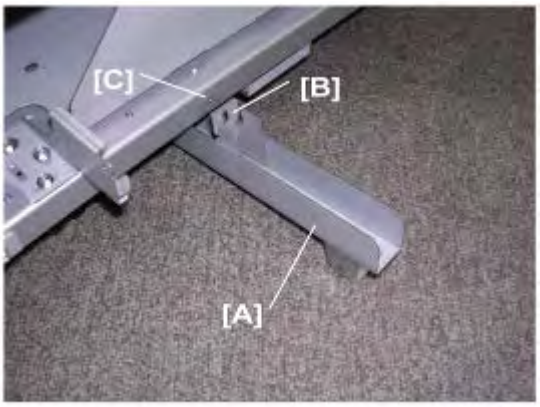
d457r010

2. Pull the right rear corner [A] of the De-curl Unit a short distance away from the main machine.



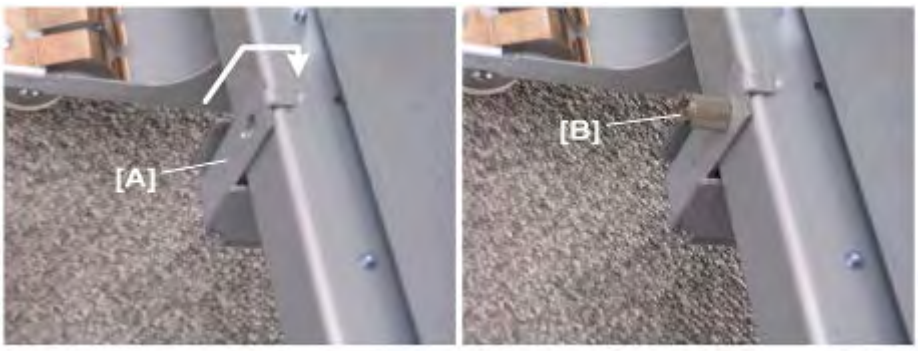
d457r011

3. Set one stabilizer [A] under the rear left side, with the bracket [B] aligned with hole [C].



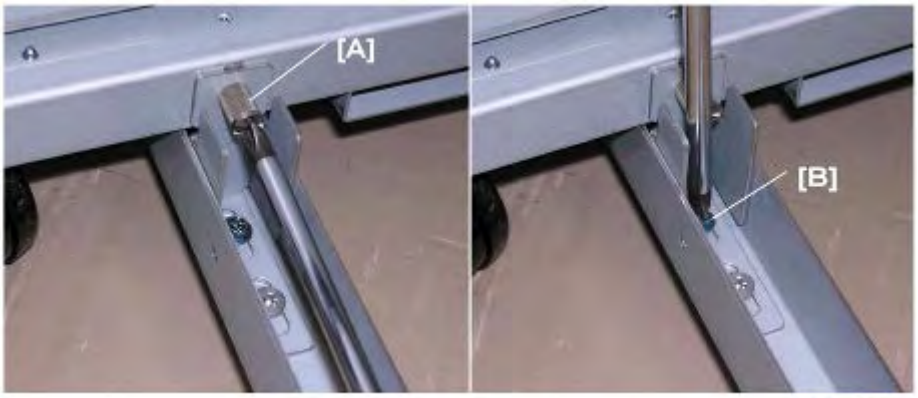
d457r012

4. On the right side:
   - Align the bracket [A] with the hole.
   - Hook the bracket onto the frame with the holes aligned.
   - Use a knob screw [B] to fasten the bracket.



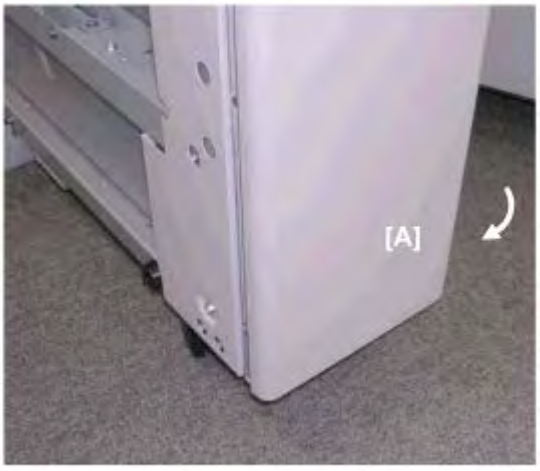
d457r013

5. On the left side:
   - Attach knob screw [A]
   - Tighten screw [B]



d457r014

6. Pull the right front corner [A] of the De-curl Unit a short distance away from the main machine.



d457r015

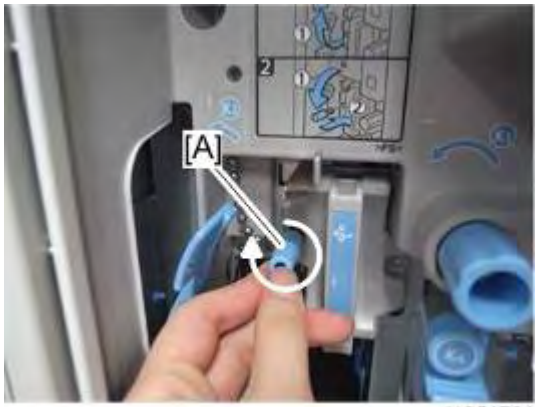
7. Do Steps 3 to 5 to attach the other stabilizer to the right side of the unit.
8. The De-curl Unit can now be moved safely for servicing.

1.1.2 DE-CURL ROLLER UNIT

1. Open the front door.
2. Push **K2** [A] to the left.

d1351730

3. Unscrew the chained screw [A] (leave the chain attached).

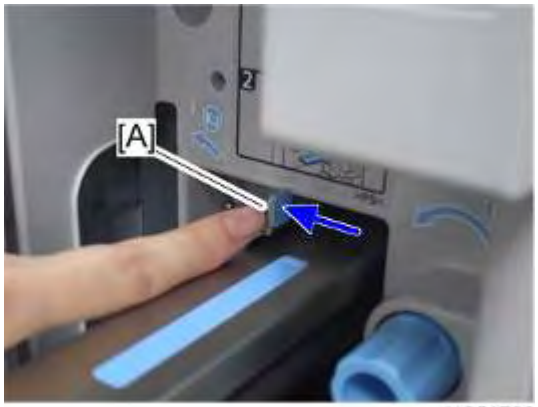


d1351731

4. Pull out the de-curl roller unit [A] until it stops.

d1351732

5. Push the release lever [A] to the left.



d1351733

6. De-curl roller unit [A]

d1351734

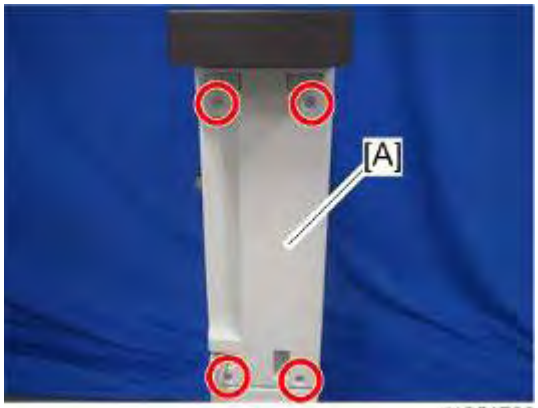
1.1.3 REAR COVERS

Note

- The rear upper cover ① must be removed before the rear lower cover ②.

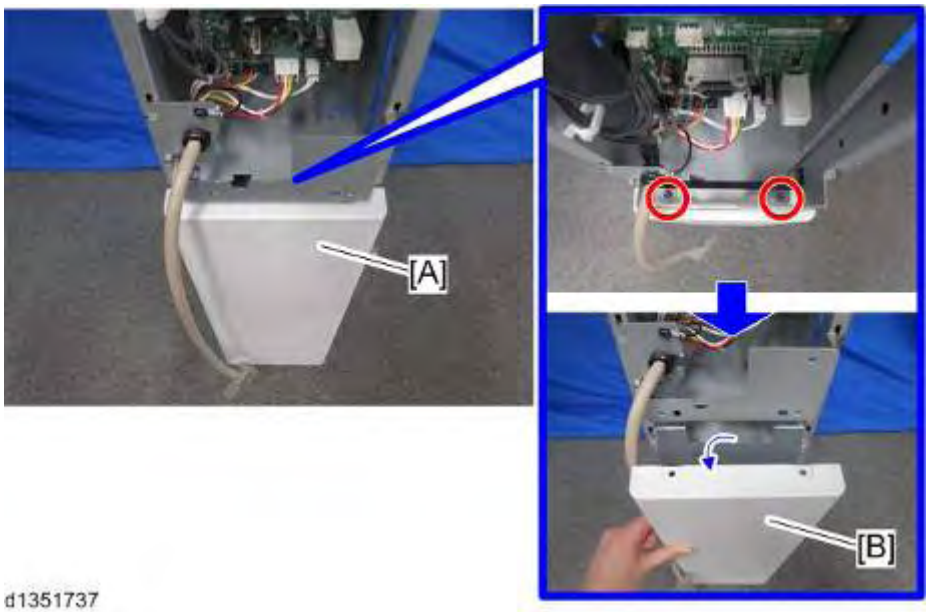
d1351735

1. Rear upper cover [A] (x4)



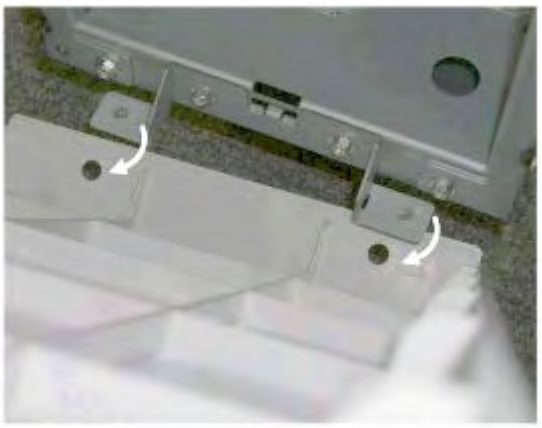
d1351736

2. Remove the screws of the rear lower cover [A] (x2)
3. Pull the top [B] of the cover away.



d1351737

4. Disconnect the bottom holes from the posts.



d457r025

Re-installation

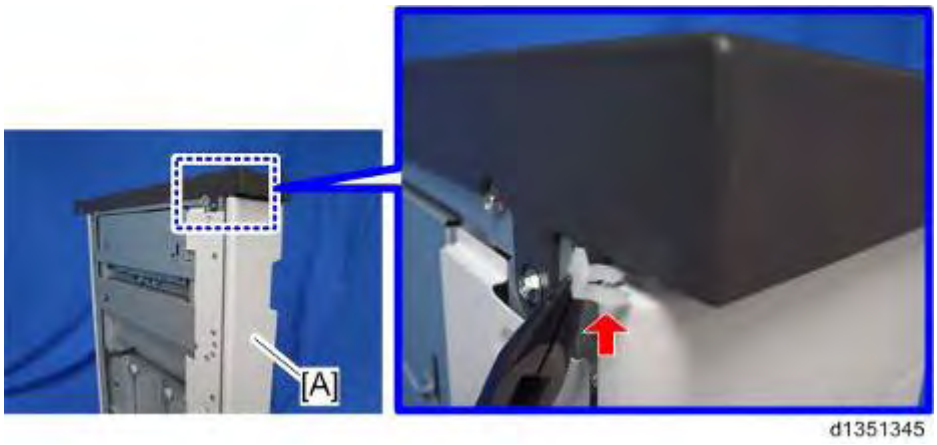
1. The holes in the top edge of the rear lower cover are recessed, as shown below.

d457r026

2. Engage the holes in the bottom of the cover with the posts below before re-attaching the screws at the top.

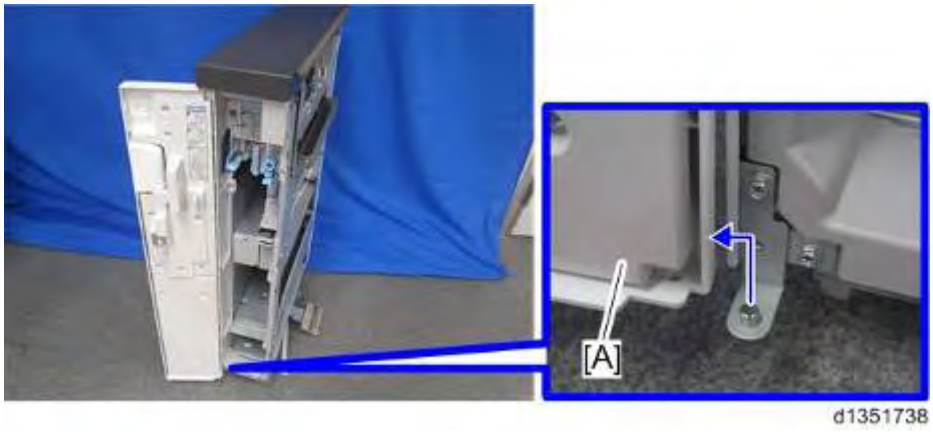
1.1.4 FRONT DOOR

1. Remove the clamp (x1)



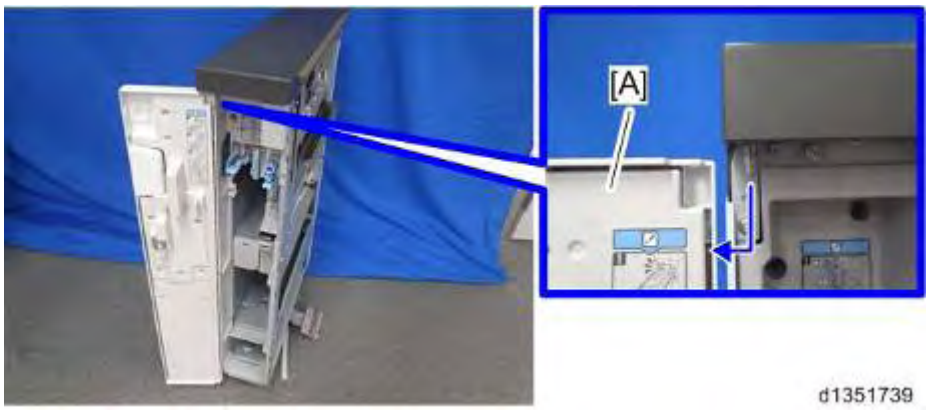
d1351345

2. Open the front door.
3. Raise the bottom of the door [A] to lift it off its bottom post.



d1351738

4. Lower the top of the door [A] to remove it from its top post.



d1351739

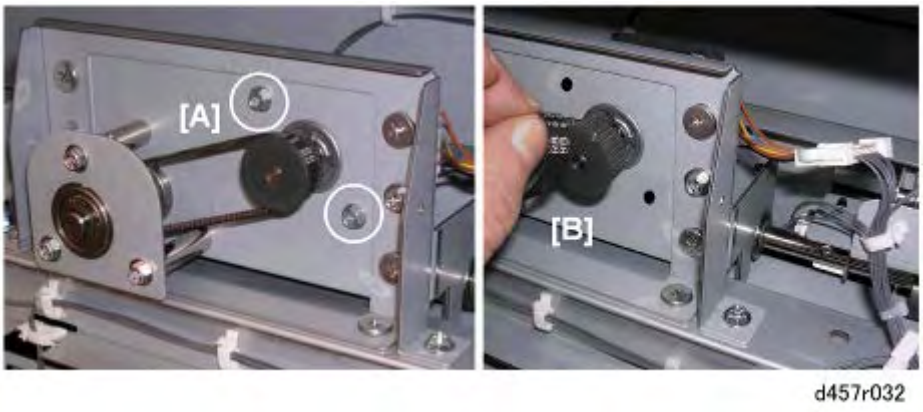
1.2 MOTORS

1.2.1 DE-CURL PRESSURE ADJUSTMENT MOTOR

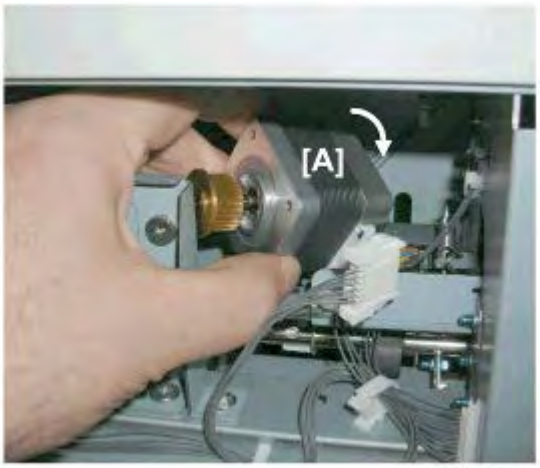
Note

- The De-curl Pressure Adjustment Motor is on the right side, behind the bracket.

1. Put both stabilizers on. (☛ Stabilizing the De-curl Unit)
2. Pull the de-curl roller unit out. (☛ De-curl Roller Unit)
3. Remove the screws [A] (x2).
4. Disconnect timing belt [B].



5. Pull the motor [A] out from the side from behind the bracket.



d457r033

6. Disconnect the motor (x1).

d457r034

1.2.2 TRANSPORT MOTOR

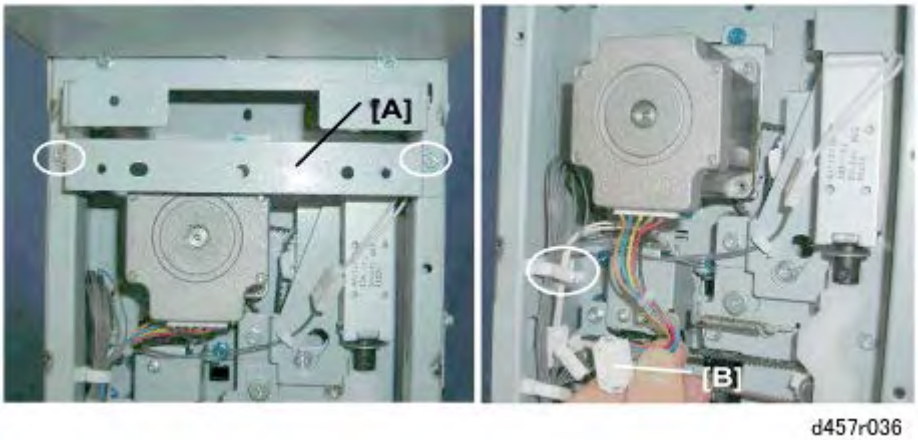
1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Pull the de-curl roller unit out. (☛page 7 "De-curl Roller Unit")
3. Take the rear upper cover off. (☛page 9 "Rear Covers")

Note

- The transport motor [A] is under the rear top edge of the unit.

d457r035

4. Cover brace [A] (x2).
5. Disconnect the motor [B] (x1, x1)

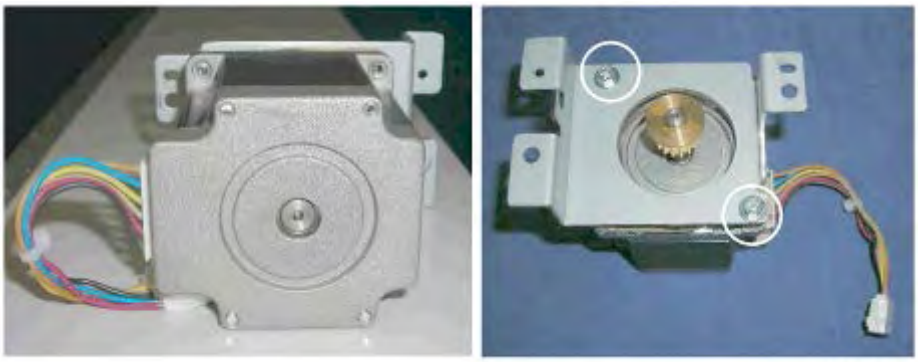


d457r036

6. Disconnect the motor bracket [A] (x2).

7. From the rear, raise the motor bracket, slide it up then to the right to disengage the hook [A] (as shown below), then remove the bracket and motor from the other side.

8. Disconnect the motor from its bracket (x2).



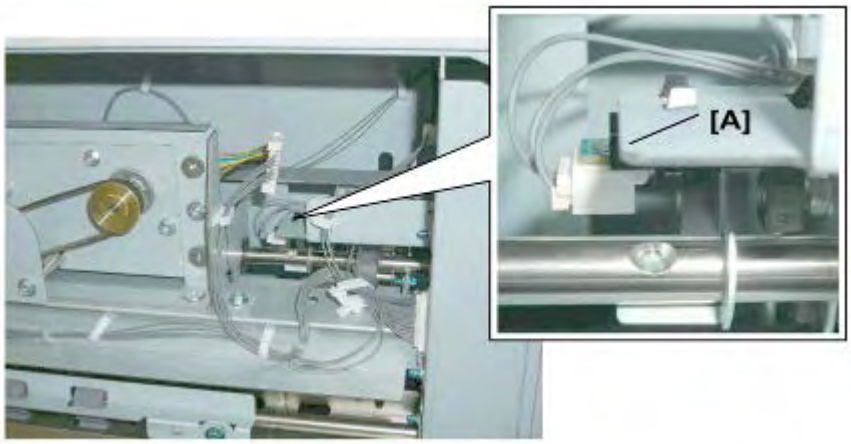
d457r039

1.3 SENSORS

1.3.1 DE-CURL ROLLER HP SENSOR

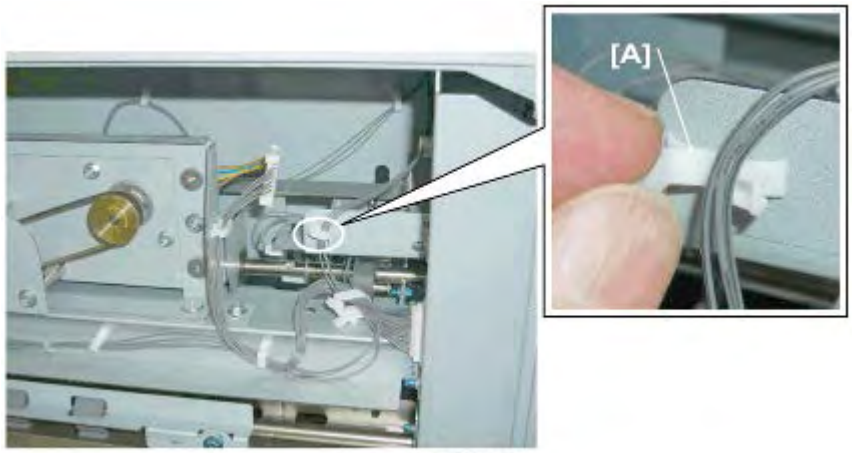
Note

- The de-curler roller HP sensor [A] is located on the right side at the rear.



d457r040

1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Pull the de-curl roller unit out. (☛page 7 "De-curl Roller Unit")
3. Take the rear upper cover off. (☛page 9 "Rear Covers")
4. Take the transport motor out. (☛page 14 "Transport Motor")
5. Free the harness [A] (🖙 x1)

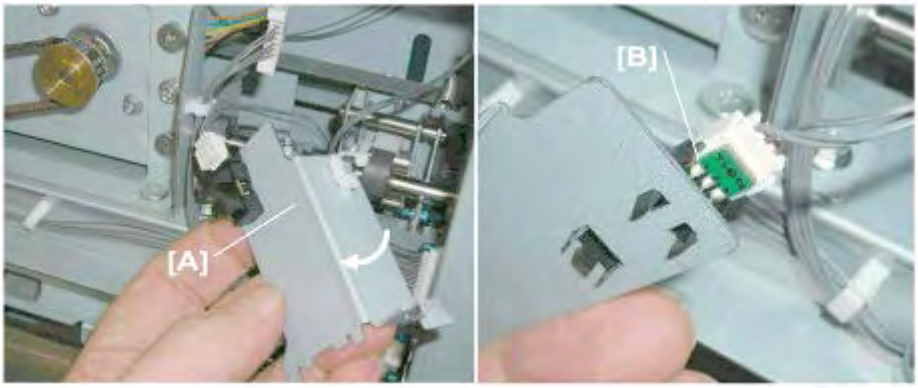


d457r041

6. Remove the screw where the transport motor was removed.

d457r042

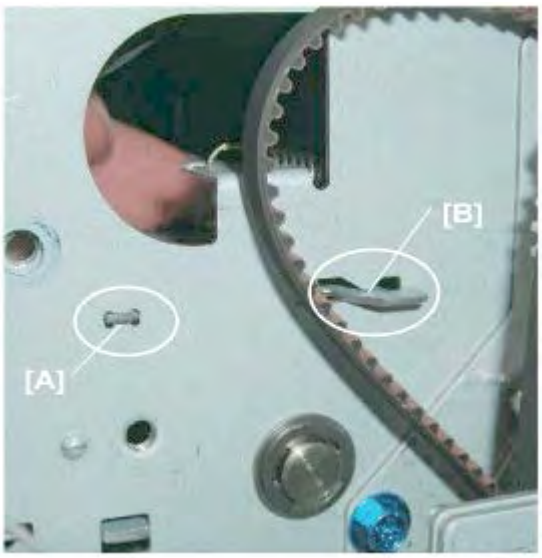
7. Pull out bracket [A].
8. Disconnect the sensor [B] (x1, Pawls x3)



d457r043

Re-installation

1. When re-attaching the bracket:
   - Confirm that hooks [A] and [B] are firmly inserted and locked in place.
   - The sensor will fail to operate correctly if the bracket is not positioned correctly.

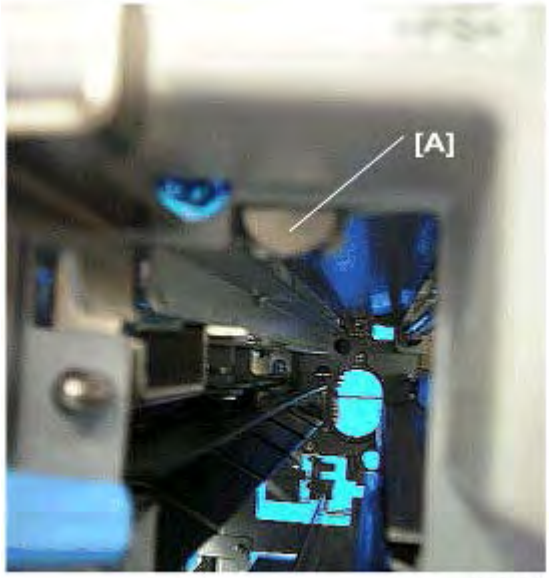


d457r044

2. Check the front of the unit where the de-curl roller unit was removed.
3. The plunger [A] should not be visible.

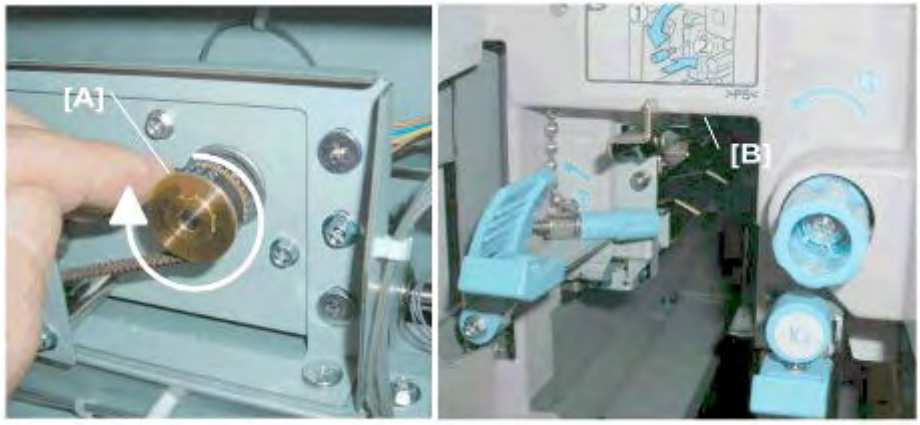
Important

- If the depressor is down and visible, it will interfere with the re-installation of the de-curl roller unit.



d457r045

4. To raise the depressor, rotate the timing belt [A] and drive gear of the De-curl Pressure Adjustment Motor until you can no longer see the plunger at [B].

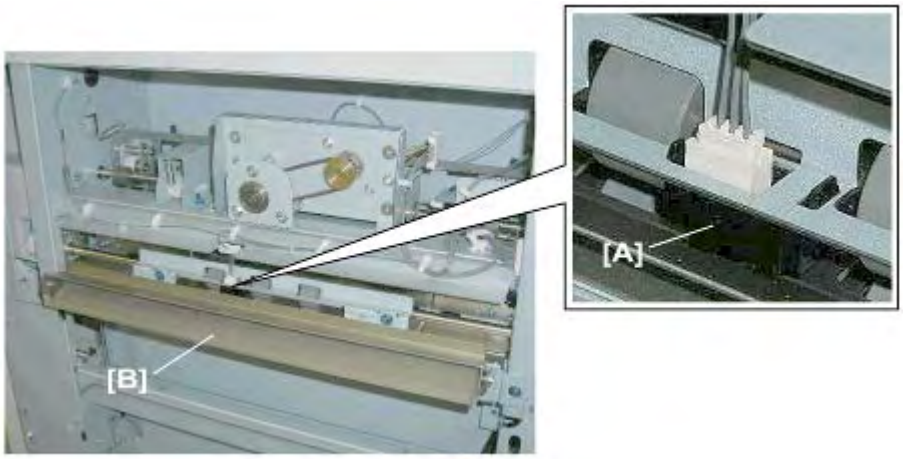


d457r046

1.3.2 ENTRANCE SENSOR

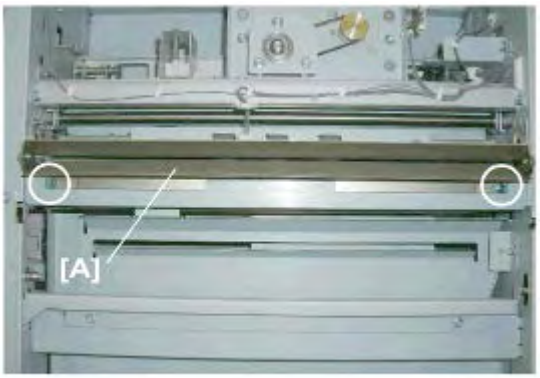
Note

- The entrance sensor [A] is on the right side, behind the center of the paper guide [B].



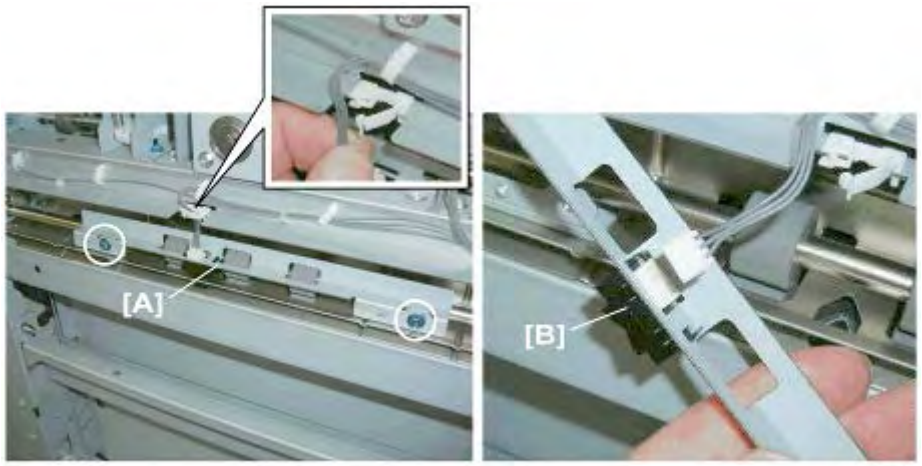
d457r047

1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Paper guide [A] (x2)



d457r048

3. Remove:
   [A] Entrance sensor bracket (x1, x2)
   [B] Entrance sensor (x1)

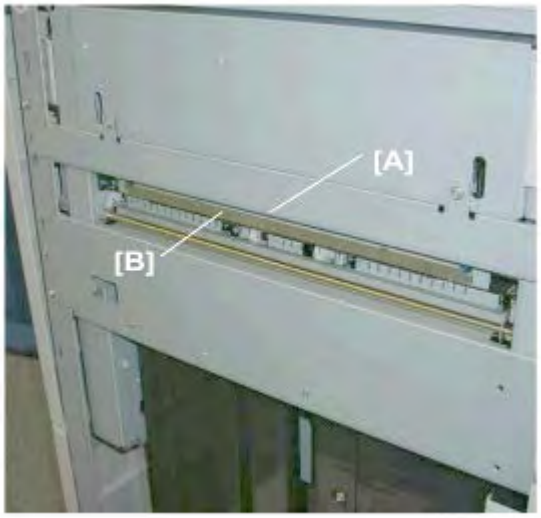


d457r049

1.3.3 EXIT SENSOR

Note

- The exit sensor [A] is on the left side behind the discharge brush [B].

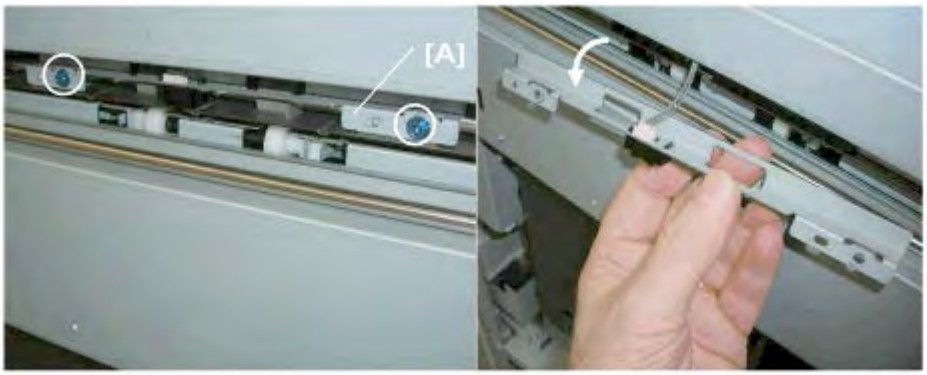


d457r050

1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Discharge brush [A] (x2)

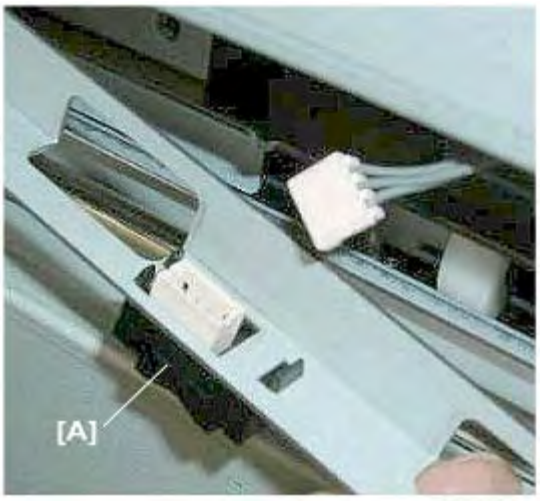
d457r051

3. Exit sensor bracket [A] (x2)



d457r052

4. Disconnect the sensor (x1, Pawls x3).

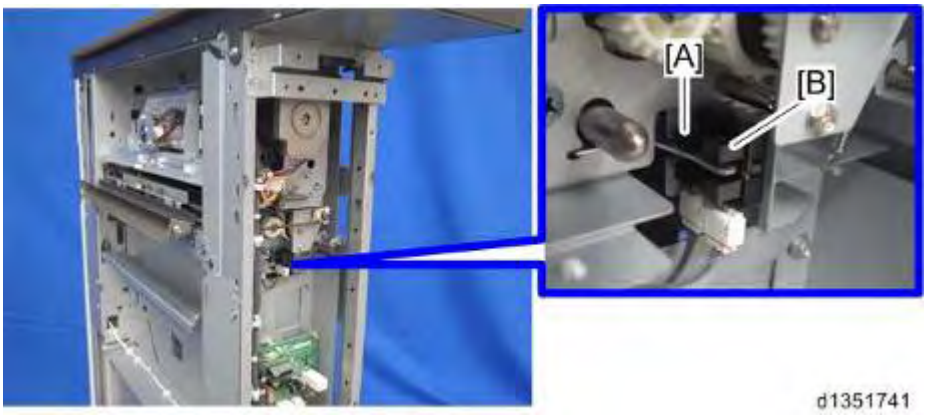


d457r053

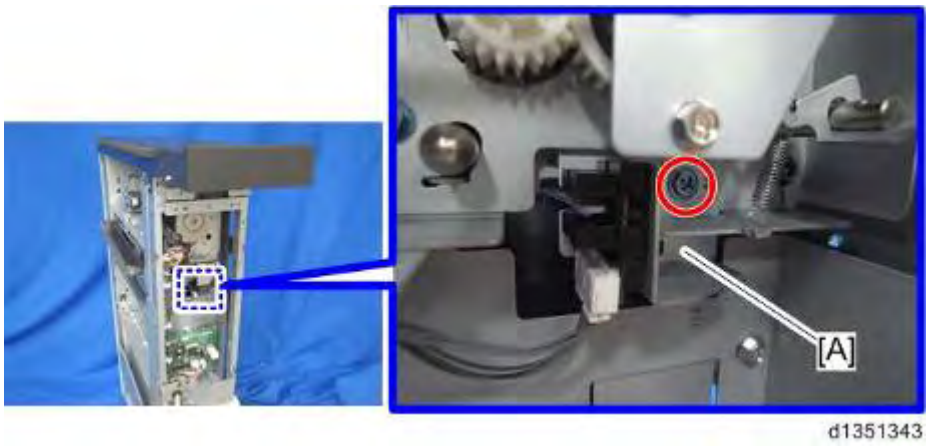
1.3.4 DE-CURL ROLLER UNIT SET SENSOR, DE-CURL ROLLER SET DIRECTION SENSOR

Note

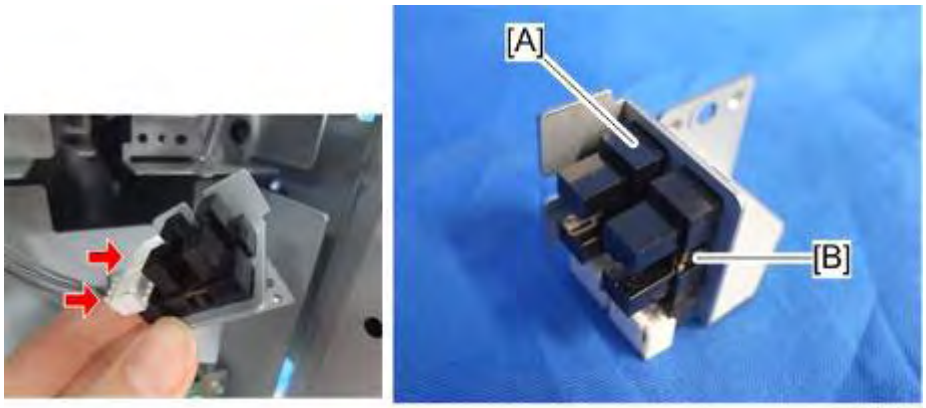
- The de-curl roller unit set sensor [A] and de-curl roller set direction sensor [B] are on the rear side.



1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Pull the de-curl roller unit out. (☛page 7 "De-curl Roller Unit")
3. Take the rear upper cover off. (☛page 9 "Rear Covers")
4. Make sure the de-curl roller unit is out.
5. Bracket [A] of the de-curl roller unit set sensor and de-curl roller set direction sensor (x 1)



6. De-curl roller unit set sensor [A] (x 1)
7. De-curl roller set direction sensor [B] (x 1)



d1351344

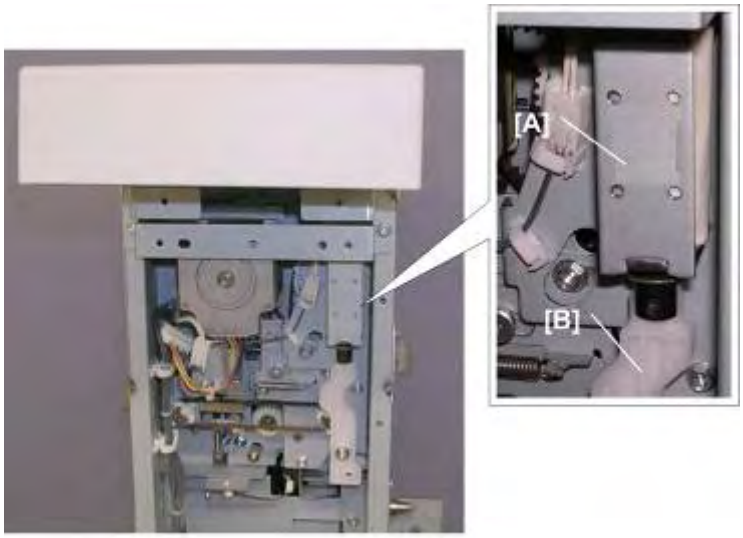
1.4 SOLENOIDS

1.4.1 EXIT GUIDE SOLENOID

1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Pull the de-curl roller unit out. (☛page 7 "De-curl Roller Unit")
3. Take the rear upper cover off. (☛page 9 "Rear Covers")

Note

- The exit guide solenoid [A] and plunger [B] are at the left rear corner.

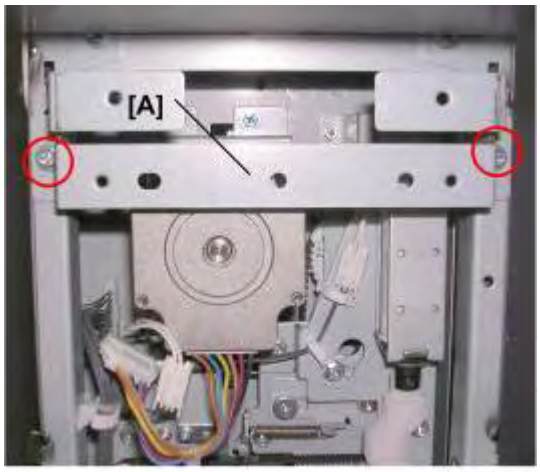


d457r058

4. Take the transport motor out. (☛page 14 "Transport Motor")
5. Press up the bottom of the plunger [A] to drop the exit guide. (This relieves tension on the plunger and spring.)

d457r059

6. Cover brace [A] (x2)



d457r060

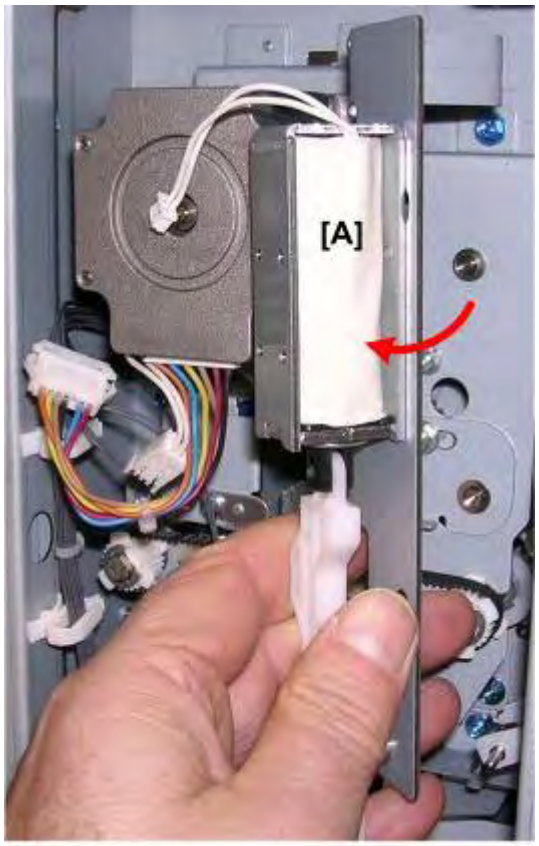
7. Disconnect the solenoid [A] (x2, x1)

d457r061

8. Loosen plunger screw [A] (x1).
9. Remove three screws ①, ②, ③ (x3).

d457r062

10. Remove the solenoid [A].



d457r063

11. Set the bracket on a flat surface.
12. Turn it over, remove the screws, and disconnect the bracket from the solenoid.

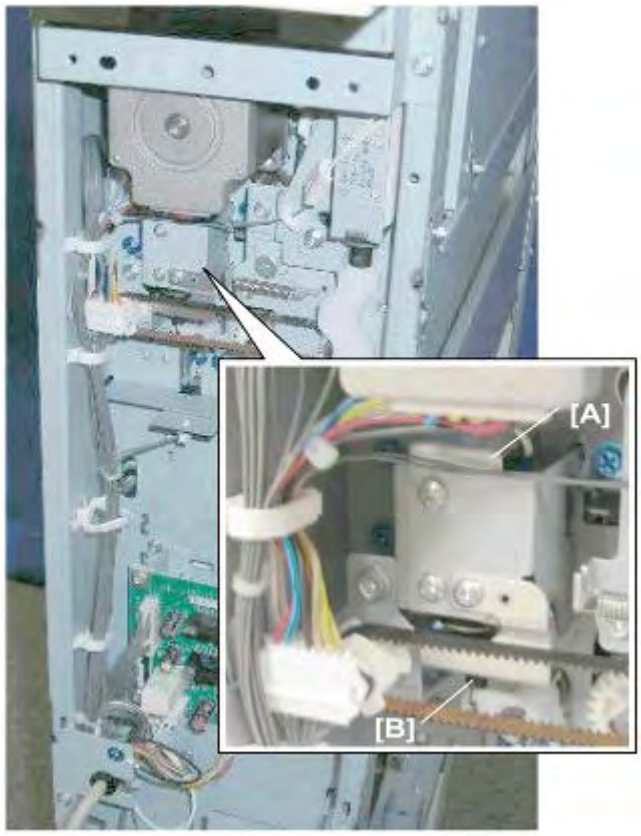
d457r064

1.4.2 PAPER PATH JG SOLENOID

1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Pull the de-curl roller unit out. (☛page 7 "De-curl Roller Unit")
3. Take the rear upper cover off. (☛page 9 "Rear Covers")

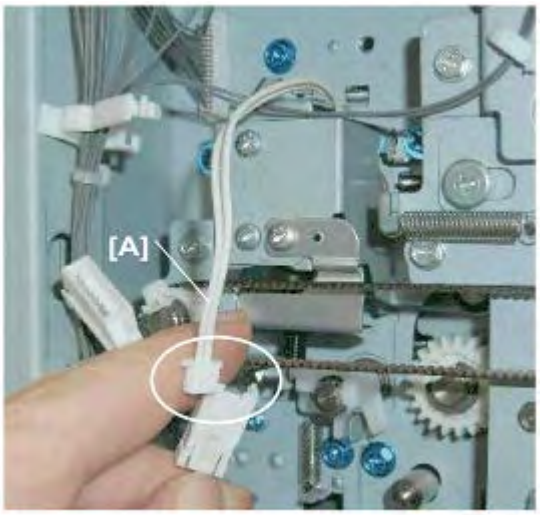
Note

- The path junction gate solenoid [A] and plunger [B] are at the rear, below the transport motor.



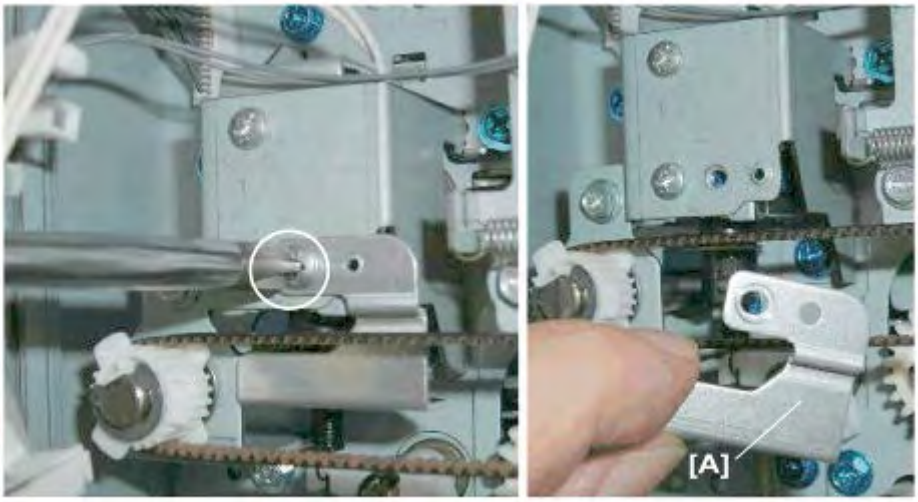
d457r065

4. Take the transport motor out. (☛page 14 "Transport Motor")
5. Disconnect the harness [A] of the solenoid (x1).



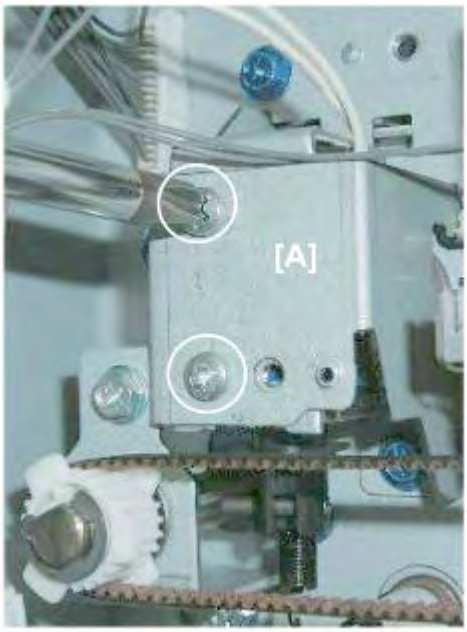
d457r066

6. Remove plunger collar [A] (x1).



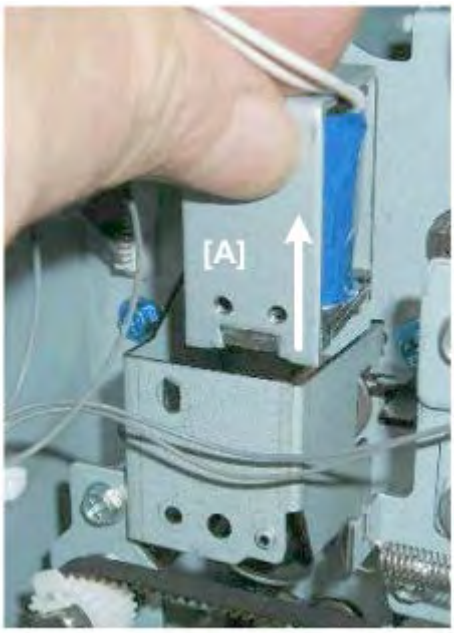
d457r067

7. Disconnect the solenoid from the bracket [A] (x2).



d457r068

8. Pull the solenoid [A] out from the top.



d457r068

9. Disconnect plunger spring [A] from the junction gate [B] and remove the plunger from the bottom.

d457r070

1.5 MAIN BOARD

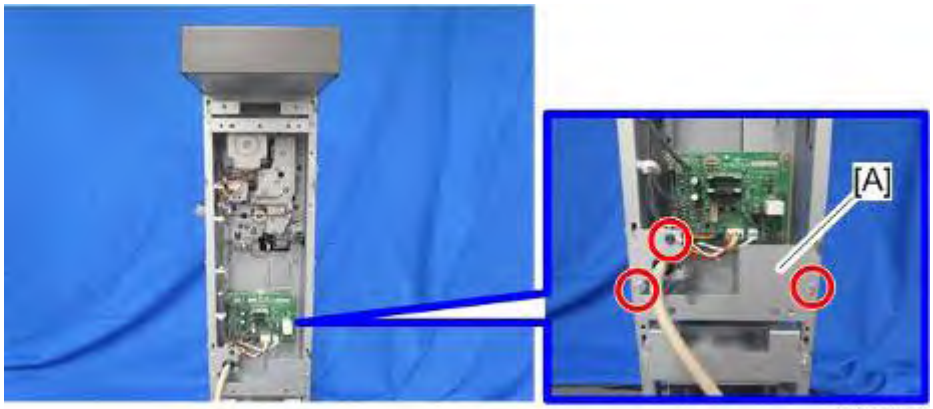
1. Put both stabilizers on. (☛page 4 "Stabilizing the De-curl Unit")
2. Take the rear upper cover off. (☛page 9 "Rear Covers")

Note

- The main board [A] is on the rear, just above the top of the rear bottom cover.

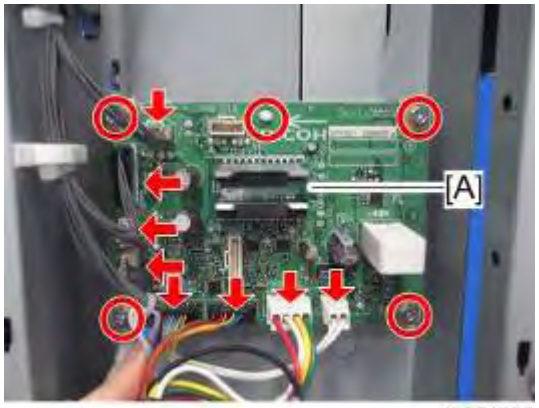
d1351742

3. Cover brace [A] (x 2, Ground screw x 1)



d1351347

4. Main board [A] (x 4, standoff 1, x 8)



d1351348

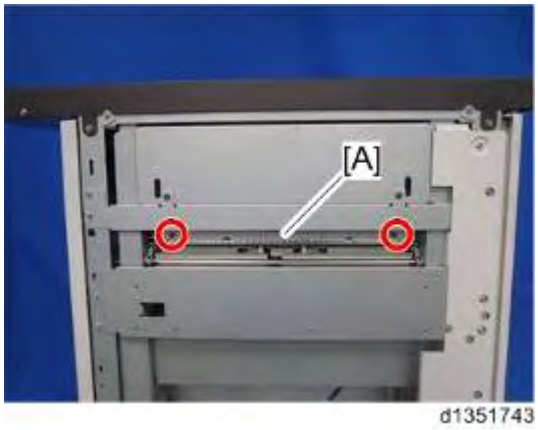
1.6 OTHER

1.6.1 DISCHARGE BRUSH

Note

- The discharge brush is on the left side of the De-curl Unit.

1. Put both stabilizers on. (page 4 "Stabilizing the De-curl Unit")
2. Discharge brush [A] (x2)



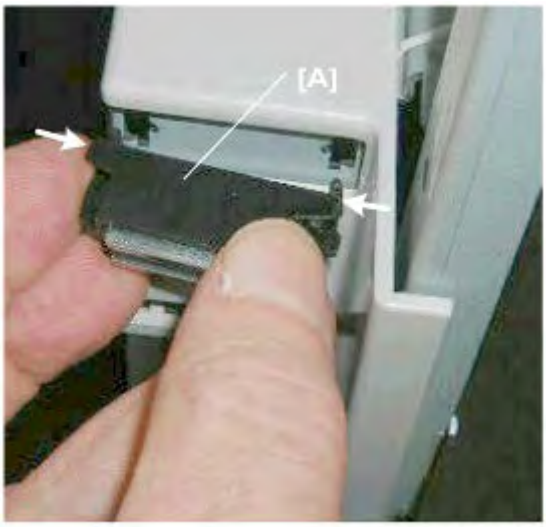
1.6.2 FRONT DOOR SWITCH, INNER LED BOARD

1. Open the front door.

   The front door switch [A] is next to handle **K5** of the purge tray.

d1351744

2. Pinch the side releases of the magnet [A] and remove it.



d457r082

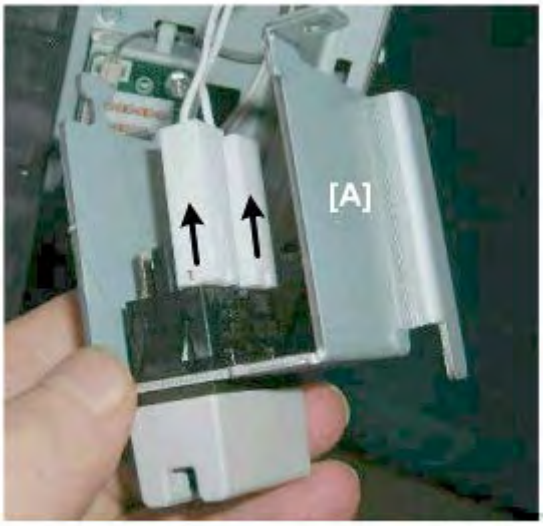
3. Cover [A] (x4)

d457r083

4. Switch bracket [A] (x2)

d457r084

5. Disconnect the switch [A] (x2).



d457r085

6. LED PCB [A] (x2, x1)

d457r086

D751

BUFFER PASS UNIT TYPE 5020

REVISION HISTORY		
Page	**Date**	**Added/Updated/New**
		None

BUFFER PASS UNIT TYPE 5020 (D751)

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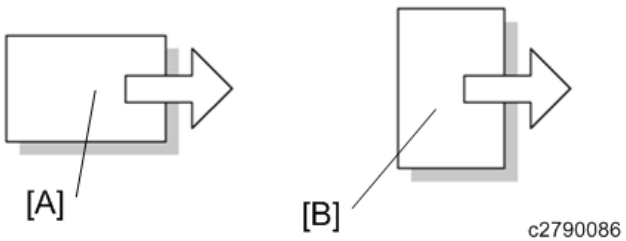
READ THIS FIRST

Safety, Conventions, Trademarks

Conventions

This is a list of symbols and abbreviations used in this manual.

Symbol	What it means
	Screw
	Connector
	E-ring
	C-ring
	Harness clamp
FFC	Flexible Film Cable
JG	Junction Gate
LE	Leading Edge of paper
LEF	Long Edge Feed
SEF	Short Edge Feed
TE	Trailing Edge of paper



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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

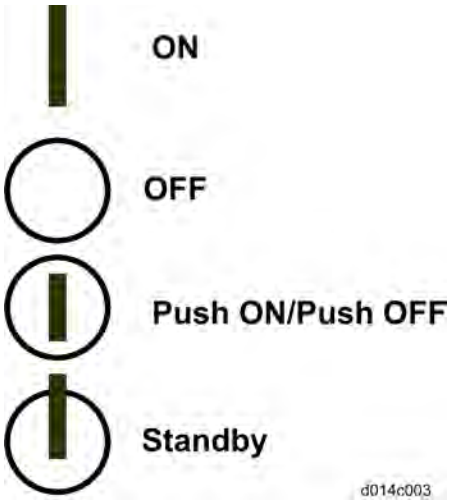
Always obey the following safety precautions when using this product.

Safety During Operation

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

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.



Responsibilities of the Customer Engineer

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).
- Use only consumable supplies and replacement parts designed for use of the machine.

Before Installation, Maintenance

Installation, Disassembly, and Adjustments

⚠CAUTION

- After installation, maintenance, or adjustment, always check the operation of the machine to make sure that it is operating normally. This ensures that all shipping materials, protective materials, wires and tags, metal brackets, etc., removed for installation, have been removed and that no tools remain inside the machine. This also ensures that all release interlock switches have been restored to normal operation.
- Never use your fingers to check moving parts causing spurious noise. Never use your fingers to lubricate moving parts while the machine is operating.

Special Tool

⚠CAUTION

- Use only standard tools approved for machine maintenance.
- For special adjustments, use only the special tools and lubricants described in the service manual. Using tools incorrectly, or using tools that could damage parts, could damage the machine or cause injuries.

During Maintenance

General

⚠CAUTION

- Before you begin a maintenance procedure: 1) Switch the machine off, 2) Disconnect the power plug from the power source, 3) Allow the machine to cool for at least 10 minutes.
- Avoid touching the components inside the machine that are labeled as hot surfaces.

Power

⚠WARNING

- Always disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before doing any maintenance procedure.
- After switching off the machine, power is still supplied to the main machine and other devices. To prevent electrical shock, switch the machine off, wait for a few seconds, then unplug the machine from the power source.
- Before you do any checks or adjustments after turning the machine off, work carefully to avoid injury. After removing covers or opening the machine to do checks or adjustments, never touch electrical components or moving parts (gears, timing belts, etc.).
- After turning the machine on with any cover removed, keep your hands away from electrical components and moving parts. Never touch the cover of the fusing unit, gears, timing belts, etc.

Organic Cleaners

⚠CAUTION

- During preventive maintenance, never use any organic cleaners (alcohol, etc.) other than those described in the service manual.
- Make sure the room is well ventilated before using any organic cleaner. Use organic solvents in small amounts to avoid breathing the fumes and becoming nauseous.
- Switch the machine off, unplug it, and allow it to cool before doing preventive maintenance. To avoid fire or explosion, never use an organic cleaner near any part that generates heat.
- Wash your hands thoroughly after cleaning parts with an organic cleaner to contamination of food, drinks, etc. which could cause illness.

Power Plug and Power Cord

⚠WARNING

- Before serving the machine (especially when responding to a service call), always make sure that the power plug has been inserted completely into the power source. A partially inserted plug could lead to heat generation (due to a power surge caused by high resistance) and cause a fire or other problems.
- Always check the power plug and make sure that it is free of dust and lint. Clean it if necessary. A dirty plug can generate heat which could cause a fire.
- Inspect the length of the power cord for cuts or other damage. Replace the power cord if necessary. A frayed or otherwise damaged power cord can cause a short circuit which could lead to a fire or personal injury from electrical shock.
- Check the length of the power cord between the machine and power supply. Make sure the power cord is not coiled or wrapped around any object such as a table leg. Coiling the

power cord can cause excessive heat to build up and could cause a fire.

- Make sure that the area around the power source is free of obstacles so the power cord can be removed quickly in case of an emergency.
- Make sure that the power cord is grounded (earthed) at the power source with the ground wire on the plug.
- Connect the power cord directly into the power source. Never use an extension cord.
- When you disconnect the power plug from the power source, always pull on the plug, not the cable.

After Installation, Servicing

Disposal of Used Items

⚠CAUTION

- Always dispose of used items (developer, toner, toner cartridges, OPC drums, etc.) in accordance with the local laws and regulations regarding the disposal of such items.

1. REPLACEMENT AND ADJUSTMENT

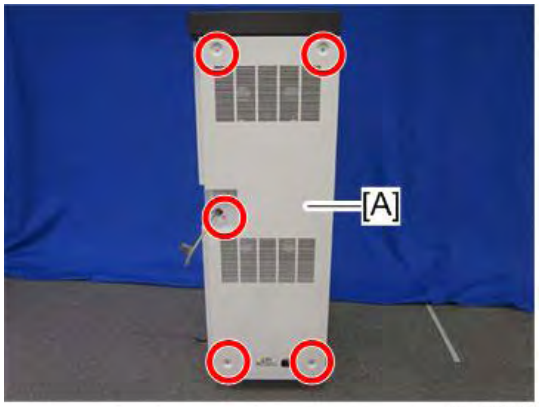
1.1 EXTERIOR COVERS

⚠CAUTION

- Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure.
- Do not pull out the buffer pass unit drawer until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

1.1.1 REAR COVER

1. Rear cover [A] (x 5)



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1.1.2 TOP COVER

1. Open the front door [A].

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2. Remove two screws on the front upper side (x 2)

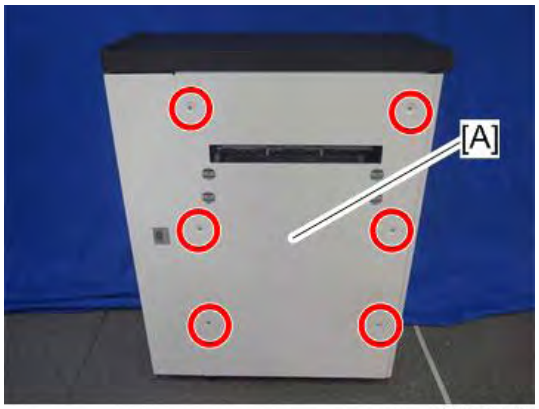
3. Rear cover (☛ Rear Cover)
4. Push the top cover [A] to the front, and then remove it.

1.1.3 RIGHT COVER

1. Right cover [A] (🔩 x 6)

1.1.4 LEFT COVER

1. Left cover [A] (x 6)



1.2 DRIVE COMPONENTS

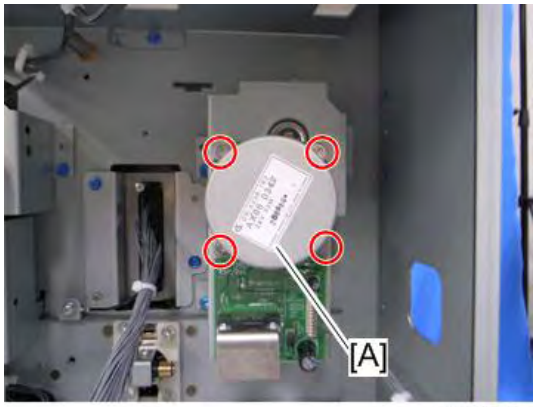
⚠CAUTION

- Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure.
- Do not pull out the buffer pass unit drawer until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

1.2.1 DRIVE MOTOR

There are two drive motors (right and left) in the buffer pass unit. Both removal procedures are identical.

1. Rear cover (☛page 1)
2. Controller board bracket (☛page 14 "Controller Board")
3. Drive Motor [A] (x 4, x 1)



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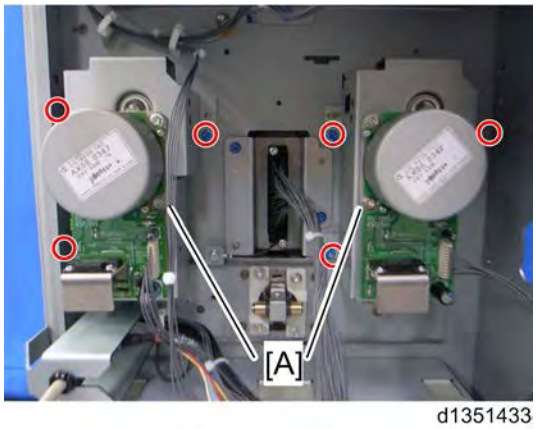
1.2.2 DRIVE MOTOR BASE

Removing the Drive Motor Base

1. Rear cover (☛page 1)
2. Controller board bracket (☛page 14 "Controller Board")
3. Drive Motor Bases [A] (x 3, x1 each)



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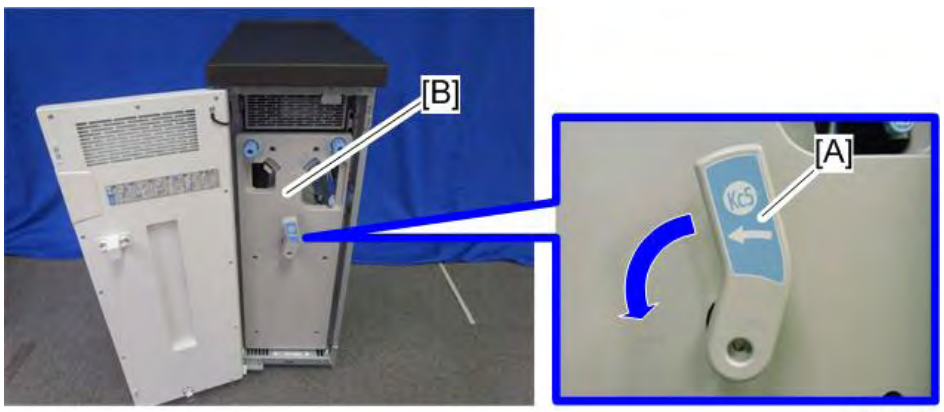
Reinstall the Drive Motor Base

1. Open the front door.
2. Turn the Kc5 lever [A] completely counterclockwise, and then pull out the paper path unit [B] slightly.



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3. Install the drive motor base. (x 3)
4. Push the paper path unit in completely.
5. Push in the paper path unit completely and close the front door.
6. Attach the rear cover.
7. Close the front door.

1.3 COOLING AND EXHAUST FANS

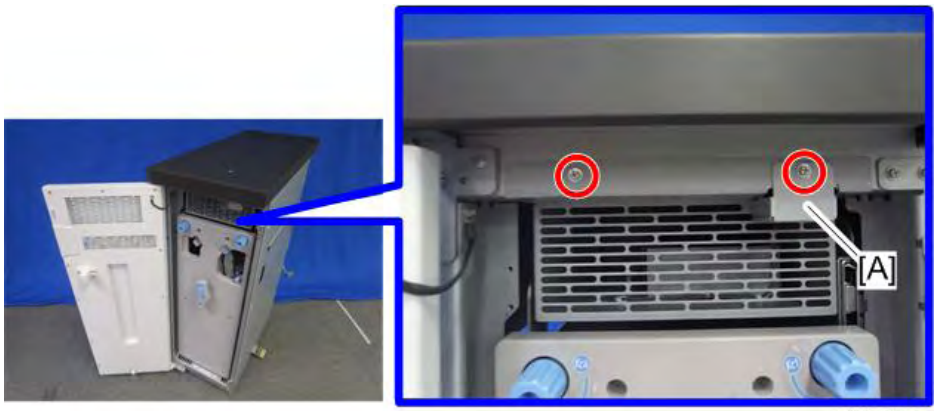
⚠CAUTION

- Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure.
- Do not pull out the buffer pass unit drawer until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

1.3.1 COOLING FANS

Upper Cooling Fans

1. Open the front door.
2. Remove two screws and the bracket [A].



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3. Disconnect the harness [A] (x 1).

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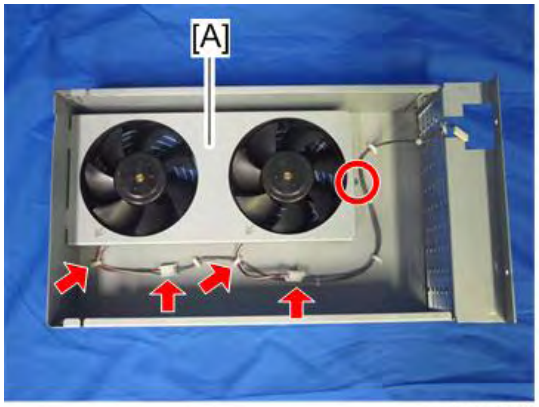
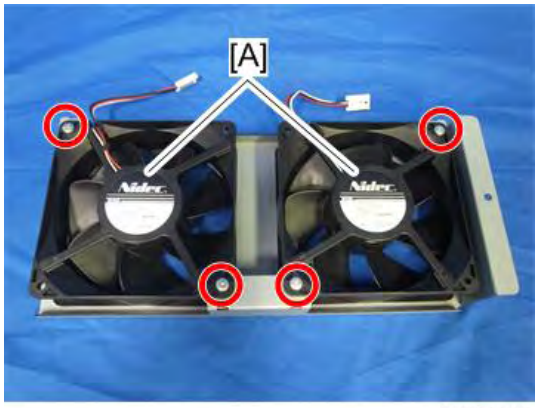
4. Pull out the upper cooling fan unit [A].

5. Upper cooling fan bracket [A] (x 1, x 2, x 2)



6. Upper cooling fans [A] (x 2 each)

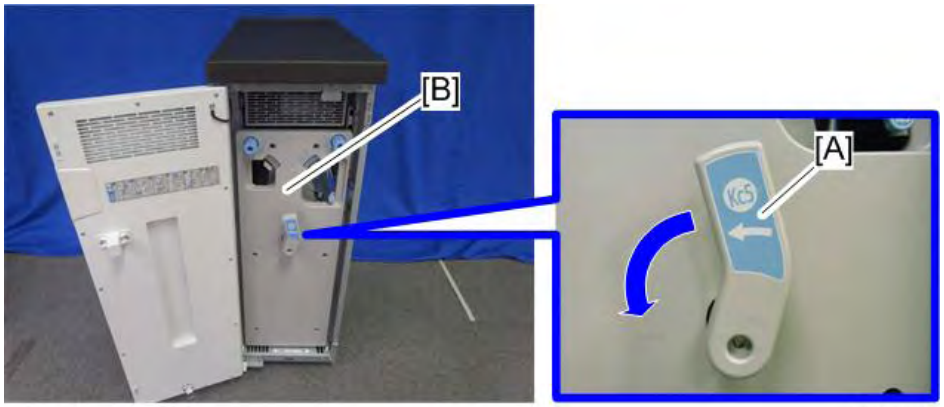


Note

- Make sure that the decals on the fans face downward when reinstalling the upper cooling fans.

Lower Cooling Fans

1. Open the front door.
2. Turn the Kc5 handle [A] counter-clockwise, and then pull out the paper path unit [B].

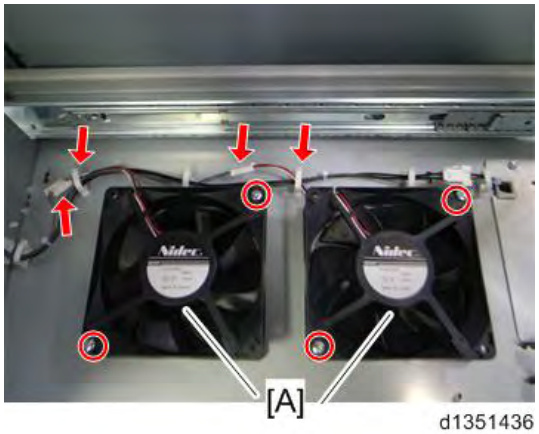


⚠CAUTION

- When you pull out the paper path unit, take care that the buffer pass unit does not fall down to the front. This is because the paper path unit is heavier than the buffer pass unit.

3. Left cover (☛page 3)
4. Lower cooling fan cover [A]. (x 2)

5. Lower cooling fans [A] (x 2 each, x 2, x 2)



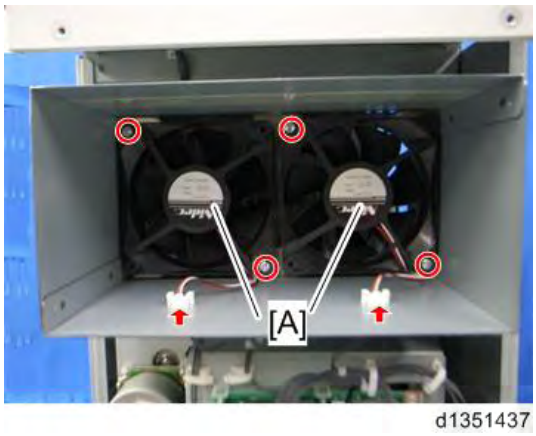
Note

- Make sure that the decals on the fans face downward when reinstalling the lower cooling fans.

1.3.2 EXHAUST FANS

Upper Exhaust Fans

1. Rear cover (☛page 1)
2. Upper exhaust fans [A] (x 2 each, x 1)



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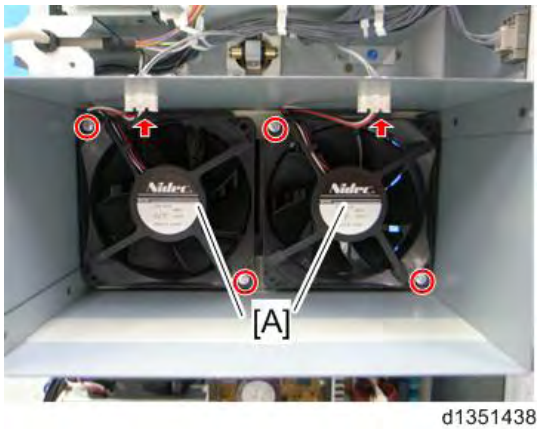
Note

- Make sure that the decals on the fans are upside down and face the rear side when reinstalling the upper exhaust fans.

Lower Exhaust Fans

1. Rear cover (☛page 1)
2. Lower exhaust fans [A] (x 2 each, x 1)



d1351438

Note

- Make sure that the decals on the fans face the rear side when reinstalling the lower exhaust fans.

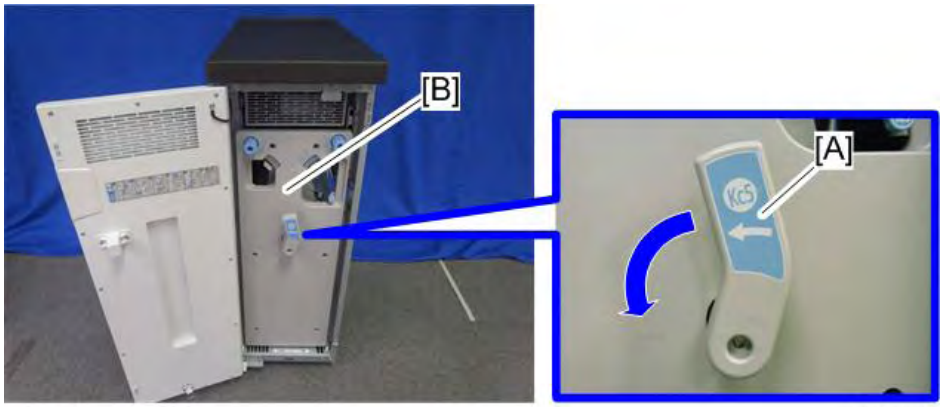
1.4 SENSORS AND SWITCHES

⚠CAUTION

- Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure.
- Do not pull out the buffer pass unit drawer until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

1.4.1 TRANSPORT SENSORS

1. Open the front door.
2. Turn the Kc5 handle [A] counter-clockwise, and then pull out the paper path unit [B].



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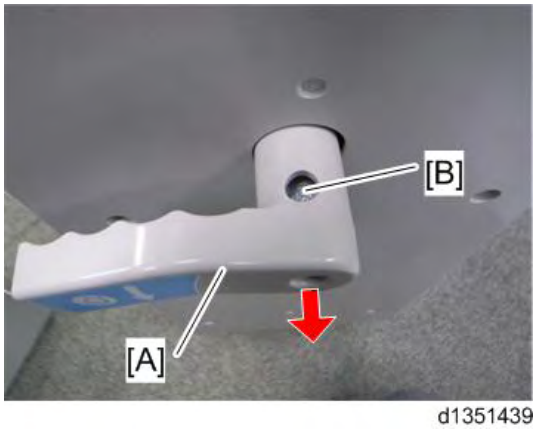
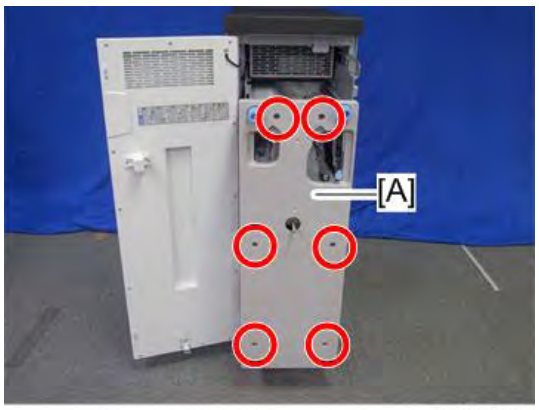
3. Kc5 handle [A] ([B] x 1)



d1351439

4. Front inner cover [A] (x 6)



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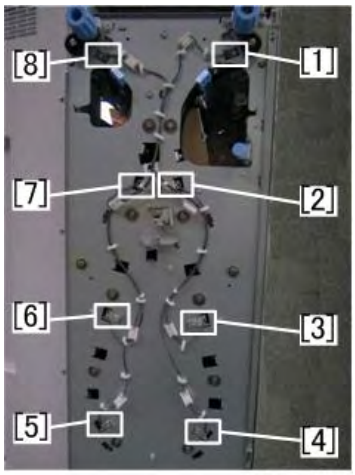
5. Remove sensors with their brackets (each x1, x1, x1)



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- [1] Transport Sensor 1
- [2] Transport Sensor 2
- [3] Transport Sensor 3
- [4] Transport Sensor 4
- [5] Transport Sensor 5
- [6] Transport Sensor 6
- [7] Transport Sensor 7
- [8] Transport Sensor 8

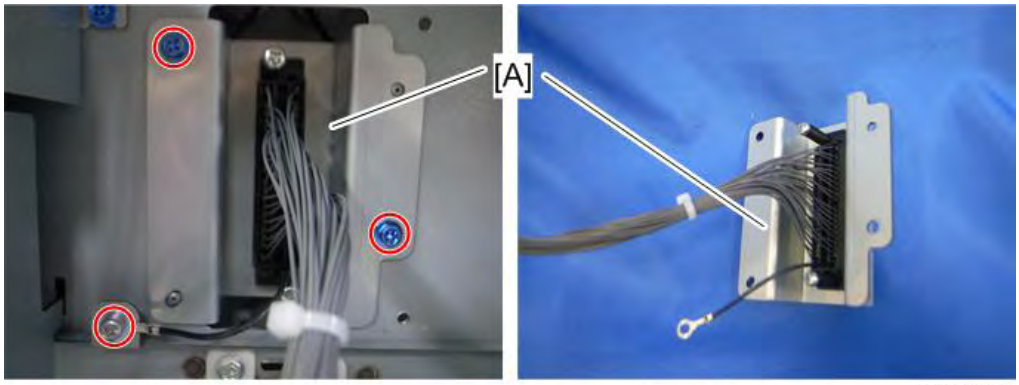
6. Transport sensor [A] (hook x 4, x 1)

d1351441

1.4.2 SWITCHES

Paper Path Unit Set Switch

1. Rear cover (☛page 1)
2. Controller board bracket (☛page 14 "Controller Board")
3. Paper path unit set switch [A] (x3)



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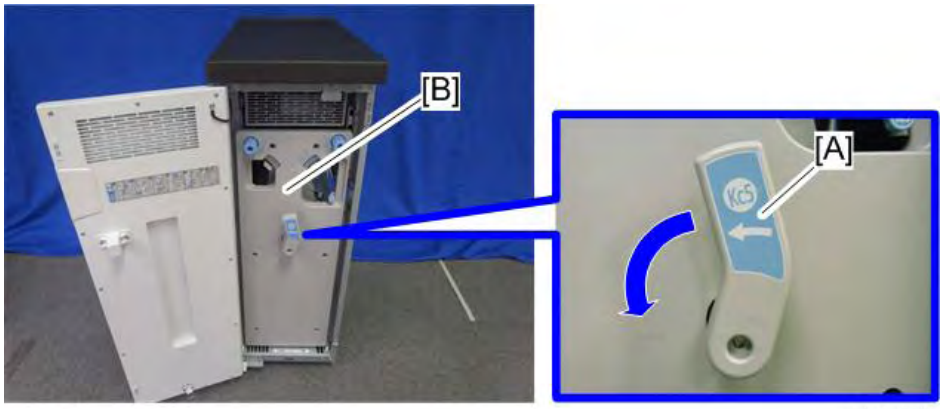
Front Door Switch

1. Left cover (☛page 3)
2. Open the front door.
3. Turn the Kc5 handle [A] counter-clockwise, and then pull out the paper path unit [B].



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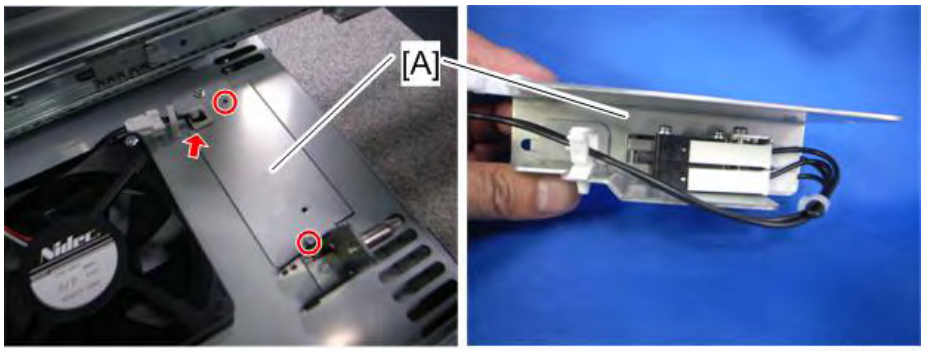
4. Lower cooling fan cover (☛page 8 "Lower Cooling Fans")
5. Front door switch assembly [A] (x 2, x 2, x 1)



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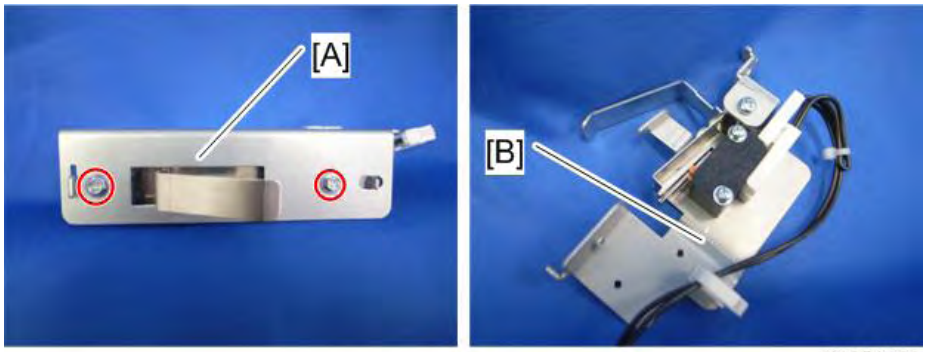
6. Front door switch bracket cover [A] (x 2, x 1)
7. Front door switch bracket [B]



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1.5 ELECTRONIC COMPONENTS

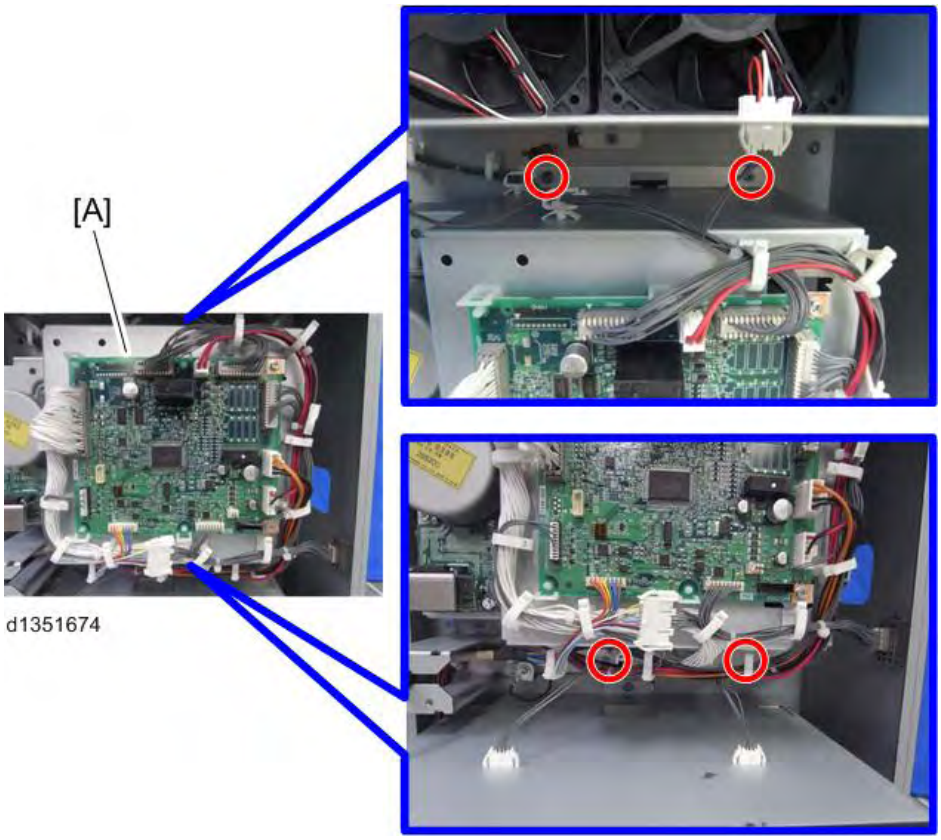
⚠CAUTION

- Disconnect the power cord from the inlet of the buffer pass unit and unplug the mainframe before starting the following procedure.
- Do not pull out the buffer pass unit drawer until this unit has been docked to the mainframe. Otherwise, the buffer pass unit can fall down.

1.5.1 CONTROLLER BOARD

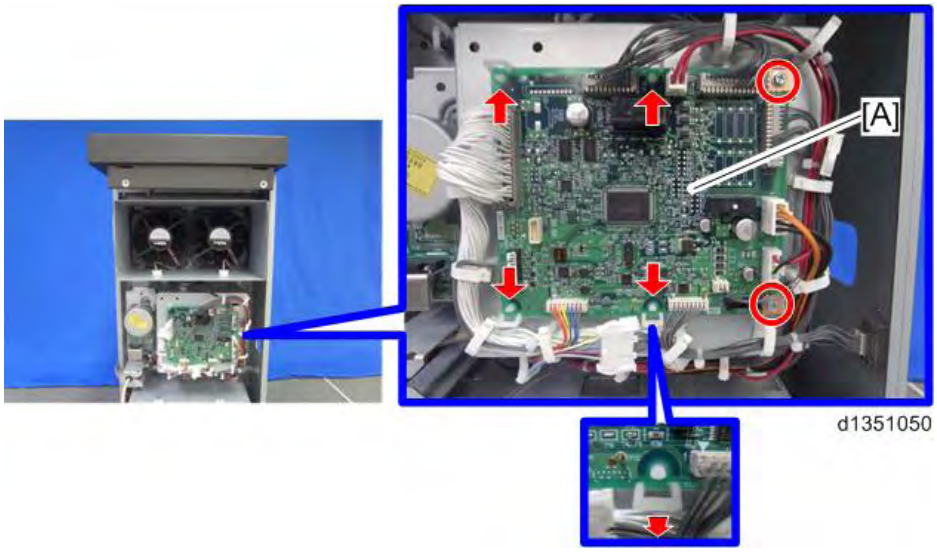
Controller Board Bracket

1. Rear cover (☛page 1)
2. Controller board [A] (x 4, x all, x all)



Controller Board

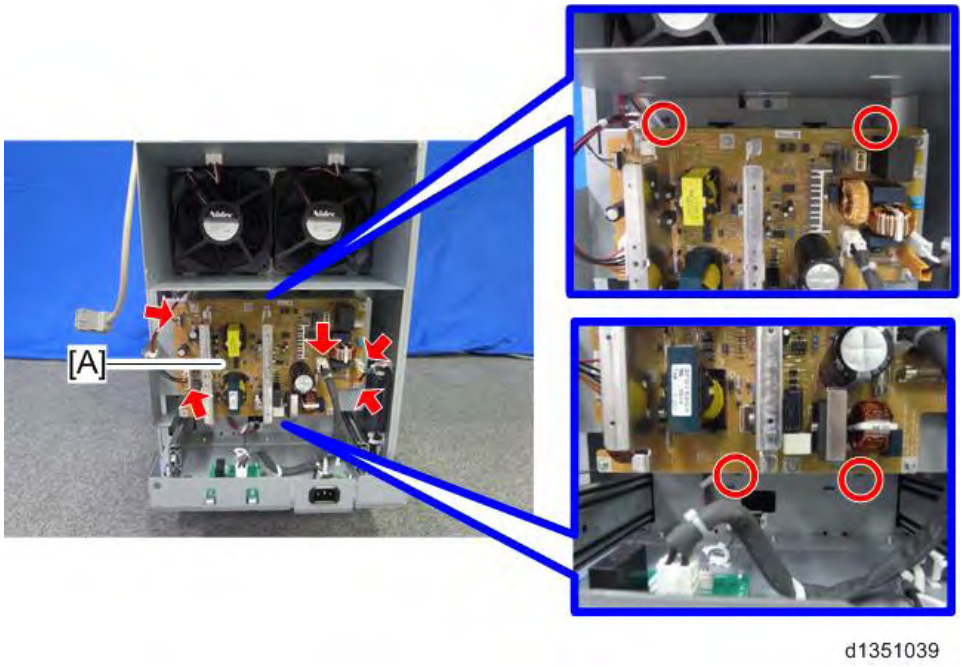
1. Rear cover (☛page 1)
2. Controller board (x 11, x 2, hook [A] x 4)



1.5.2 PSU

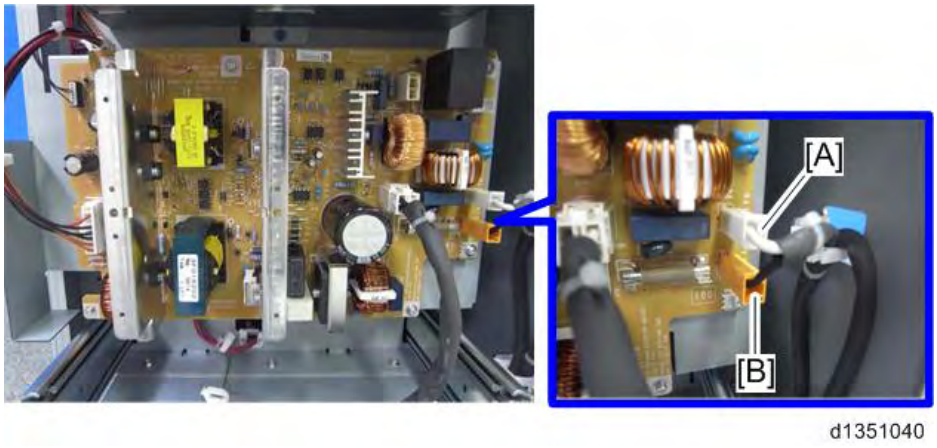
Removing the PSU

1. Rear cover (☛page 1)
2. PSU bracket [A] (x 4, x 5)



Reinstalling the PSU

Make sure that the power connectors are connected correctly.



- [A]: White or blue connector
- [B]: Black or brown connector

PSU Fuse Rating

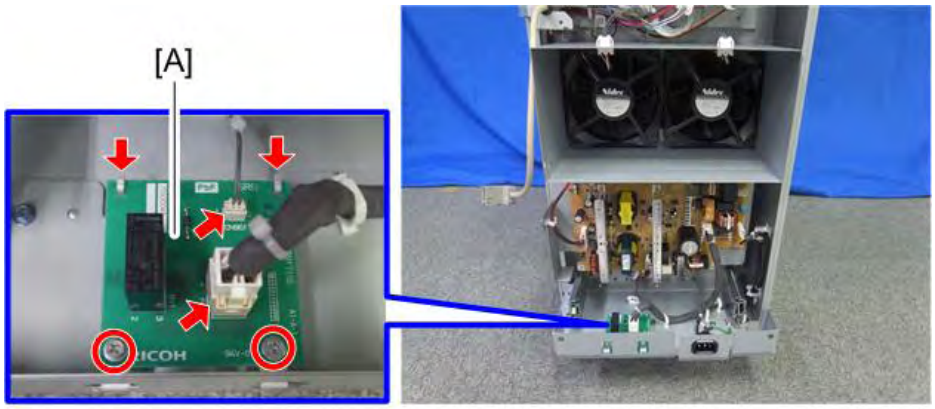
⚠CAUTION

- For replacements, use only the correct fuses rated for use with the machine. Using replacement devices not designed for use with the machine could lead to a fire and personal injuries.

Fuse	Rating	
	115 V	210 to 230V
FU1	15A/125Vac	8A/250125Vac
FU2	8A/125125Vac	T4A L/250125Vac

1.5.3 SRB

1. Rear cover (☛page 1)
2. SRB [A] (x2, x2, hook x 2)



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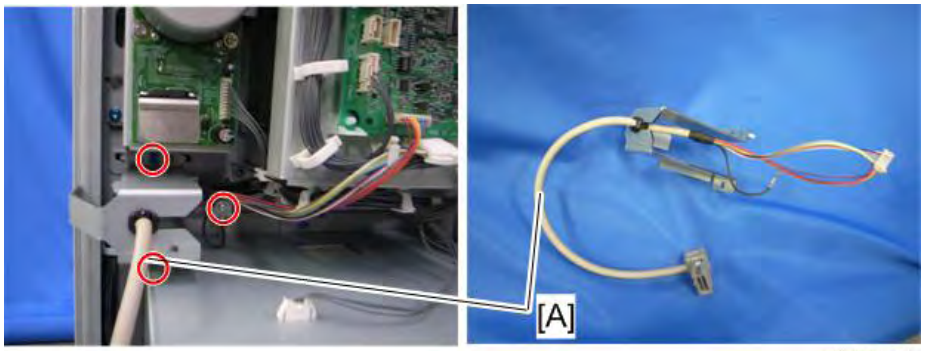
1.5.4 INTERFACE CABLE

1. Rear cover (☛page 1)
2. Interface cable [A]



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