



TASKalfa 2551ci

SERVICE MANUAL

Published in February 2015
2NPSM068
Rev.8

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

It may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for proper disposal.

ATTENTION

IL Y A UN RISQUE D'EXPLOSION SI LA BATTERIE EST REMPLACÉE PAR UN MODÈLE DE TYPE INCORRECT. METTRE AU REBUT LES BATTERIES UTILISÉES SELON LES INSTRUCTIONS DONNÉES.

Il peut être illégal de jeter les batteries dans des eaux d'égout municipales. Vérifiez avec les fonctionnaires municipaux de votre région pour les détails concernant des déchets solides et une mise au rebut appropriée.

Revision history

Revision	Date	Pages	Revised contents
1	23 August 2013	Contents	A contents addition and the Page correction
		1-1-2	Correction: Memory capacity correction (2GB 3.5GB)
		1-1-2	Correction: Expansion memory Expansion memory for Fax
		1-2-3	Correction: Composition
		1-2-4	Deleted: Procedure 6
		1-2-56,57	Correction: S tite screws M4 x 8 Screw M3 x 6
		1-2-62 to 74	Added: Procedure of Key card and coin vender
		1-3-17, 18	Added: * :The toner replacement log is
		1-3-21 to 25	Added: * :Print Coverage provides
2	14 January 2014	Contents	Change: Page numbers of the contents
		1-1-3	Added: Notes of first print time
		1-3-134 to 137	Change: Procedure of U411
		1-3-143, 1-3-145, 1-3-146	Added: “*: This setting is usually unnecessary.”
		1-3-32	Deleted: Guide hook and Nylon clamp
		1-3-37	Deleted: Grounding terminal
		2-4-1	Correction: (1) List of maintenance parts
		2-4-3 to 5	Added: (3) Periodic maintenance procedures
		Address	Correction
3	17 February 2014	1-1-2	Correction: Item name change (Power source Rated input)
		1-2-1	Correction: 6.5A 7.2A
		1-3-24	Added: a comment for the item column of (65)
		1-3-138, 1-3-139	Added: The addition of a condition comment
		1-4-67, 1-4-68	Added: The connection check of a power cable on U8990
		1-4-73	Added: F code
		1-4-91, 1-4-92	Added: Error code 3102
		1-5-31	Correction: Screw number (15 8)
		1-6-1, 1-6-2	Correction: Explanation about a safe mode
		2-4-6	Added: Comment to (2)Repetitive defects gauge
		2-4-14 to 18	Added: F code
4	15 April 2014	1-3-207	Corection: The contents of the example

Revision	Date	Pages	Revised contents
5	17 June 2014	Contents	Change: Page numbers of the contents
		1-4-20 to 22 1-4-28,1-4-29	Delete: Connector number of PF main PWB Change: Content title of 2700
		1-4-72 to 74	Corection: 9530 to 9550
		1-4-76 to 77	Corection: Link to "detaching and refitting the high voltage PWB"
		1-5-39 to 46	Added: Detaching and refitting the high voltage PWB
		1-6-1, 1-6-2	Correction: Correction of an explanatory note
		2-2-7	Added: Functional explanation (drive of a transfer belt)
		2-2-8	Corection: Transfer belt release motor (TCBRM)
		2-3-14, 2-3-27 2-3-30, 2-3-38 2-4-23	Change: to TCBRM from TCBM
6	4 September 2014	Contents	Change: Page numbers of the contents
		1-5-31 to 36	Added: Detaching and refitting the scanner wires
7	6 November 2014	1-1-1	Change: Hagaki, Oufuku Hagaki
		1-3-9, 1-3-158	Delate: U474
		2-3-46	Change: Description of YC8-2 and YC8-6
8	3 Februry 2015	1-3-5, 1-3-75	Change: Inishal setting of U136 (3 to 0: KDA) Added: Notes on setting
		1-3-25	Corection: 5 to 100 (%)

Safety precautions

This booklet provides safety warnings and precautions for our service personnel to ensure the safety of their customers, their machines as well as themselves during maintenance activities. Service personnel are advised to read this booklet carefully to familiarize themselves with the warnings and precautions described here before engaging in maintenance activities.

Safety warnings and precautions

Various symbols are used to protect our service personnel and customers from physical danger and to prevent damage to their property. These symbols are described below:

⚠ DANGER: High risk of serious bodily injury or death may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

⚠ WARNING: Serious bodily injury or death may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

⚠ CAUTION: Bodily injury or damage to property may result from insufficient attention to or incorrect compliance with warning messages using this symbol.

Symbols

The triangle (\triangle) symbol indicates a warning including danger and caution. The specific point of attention is shown inside the symbol.



General warning.



Warning of risk of electric shock.



Warning of high temperature.

⊘ indicates a prohibited action. The specific prohibition is shown inside the symbol.



General prohibited action.



Disassembly prohibited.

● indicates that action is required. The specific action required is shown inside the symbol.



General action required.





Remove the power plug from the wall outlet.











Always ground the copier.

1. Installation Precautions

WARNING











- Do not use a power supply with a voltage other than that specified. Avoid multiple connections to one outlet: they may cause fire or electric shock. When using an extension cable, always check that it is adequate for the rated current. 
- Connect the ground wire to a suitable grounding point. Not grounding the copier may cause fire or electric shock. Connecting the earth wire to an object not approved for the purpose may cause explosion or electric shock. Never connect the ground cable to any of the following: gas pipes, lightning rods, ground cables for telephone lines and water pipes or faucets not approved by the proper authorities. 

CAUTION:





- Do not place the copier on an infirm or angled surface: the copier may tip over, causing injury. 
- Do not install the copier in a humid or dusty place. This may cause fire or electric shock. 
- Do not install the copier near a radiator, heater, other heat source or near flammable material. This may cause fire. 
- Allow sufficient space around the copier to allow the ventilation grills to keep the machine as cool as possible. Insufficient ventilation may cause heat buildup and poor copying performance. 
- Always handle the machine by the correct locations when moving it. 
- Always use anti-toppling and locking devices on copiers so equipped. Failure to do this may cause the copier to move unexpectedly or topple, leading to injury. 
- Avoid inhaling toner or developer excessively. Protect the eyes. If toner or developer is accidentally ingested, drink a lot of water to dilute it in the stomach and obtain medical attention immediately. If it gets into the eyes, rinse immediately with copious amounts of water and obtain medical attention. 
- Advise customers that they must always follow the safety warnings and precautions in the copier's instruction handbook. 












2. Precautions for Maintenance

WARNING

- Always remove the power plug from the wall outlet before starting machine disassembly. 
- Always follow the procedures for maintenance described in the service manual and other related brochures. 
- Under no circumstances attempt to bypass or disable safety features including safety mechanisms and protective circuits. 
- Always use parts having the correct specifications. 
- Always use the thermostat or thermal fuse specified in the service manual or other related brochure when replacing them. Using a piece of wire, for example, could lead to fire or other serious accident. 
- When the service manual or other serious brochure specifies a distance or gap for installation of a part, always use the correct scale and measure carefully. 
- Always check that the copier is correctly connected to an outlet with a ground connection. 
- Check that the power cable covering is free of damage. Check that the power plug is dust-free. If it is dirty, clean it to remove the risk of fire or electric shock. 
- Never attempt to disassemble the optical unit in machines using lasers. Leaking laser light may damage eyesight. 
- Handle the charger sections with care. They are charged to high potentials and may cause electric shock if handled improperly. 



CAUTION

- Wear safe clothing. If wearing loose clothing or accessories such as ties, make sure they are safely secured so they will not be caught in rotating sections. 
- Use utmost caution when working on a powered machine. Keep away from chains and belts. 
- Handle the fixing section with care to avoid burns as it can be extremely hot. 
- Check that the fixing unit thermistor, heat and press rollers are clean. Dirt on them can cause abnormally high temperatures. 

- Do not remove the ozone filter, if any, from the copier except for routine replacement. 
- Do not pull on the AC power cord or connector wires on high-voltage components when removing them; always hold the plug itself. 
- Do not route the power cable where it may be stood on or trapped. If necessary, protect it with a cable cover or other appropriate item. 
- Treat the ends of the wire carefully when installing a new charger wire to avoid electric leaks. 
- Remove toner completely from electronic components. 
- Run wire harnesses carefully so that wires will not be trapped or damaged. 
- After maintenance, always check that all the parts, screws, connectors and wires that were removed, have been refitted correctly. Special attention should be paid to any forgotten connector, trapped wire and missing screws. 
- Check that all the caution labels that should be present on the machine according to the instruction handbook are clean and not peeling. Replace with new ones if necessary. 
- Handle greases and solvents with care by following the instructions below: 
 - Use only a small amount of solvent at a time, being careful not to spill. Wipe spills off completely.
 - Ventilate the room well while using grease or solvents.
 - Allow applied solvents to evaporate completely before refitting the covers or turning the power switch on.
 - Always wash hands afterwards.
- Never dispose of toner or toner bottles in fire. Toner may cause sparks when exposed directly to fire in a furnace, etc. 
- Should smoke be seen coming from the copier, remove the power plug from the wall outlet immediately. 

3. Miscellaneous

 **WARNING**

- Never attempt to heat the drum or expose it to any organic solvents such as alcohol, other than the specified refiner; it may generate toxic gas. 
- Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur. 

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Installation Guide

DP-770(B) / (Document processor)
 DP-772 / (Document processor)
 DP-773 (Document processor)
 PF-791 (500 x 2 Paper feeder)
 PF-810 (3000-sheets deck)
 DF-770(D) (Document finisher)
 AK-740 (Bridge unit)
 PH-7A/C/D (Punch unit)
 DT-730(B) (Document tray)
 FAX System (W) B

1-1-1 Specifications

Machine

Item		Specifications									
Type		Desktop									
Printing method		Electrophotography by semiconductor laser, tandem (4) drum system									
Originals		Sheet, Book, 3-dimensional objects (maximum original size: A3/Ledger)									
Original feed system		Fixed									
Paper weight	Cassette	60 to 256 g/m ² (Duplex: 60 to 220 g/m ²)									
	MP tray	60 to 256 g/m ² , 230µm (Cardstock)									
Paper type	Cassette	Plain, Vellum, Recycled, Preprinted, Bond, Color (Colour), Letterhead, Thick, High quality, Prepunched Custom 1 to 8									
	MP tray	Plain, Vellum, Recycled, Preprinted, Bond, Cardstock, Color (Colour), Letterhead, Thick, Envelope, Coated, High quality, Rough, Transparency (OHP film), Labels, Prepunched, Custom 1 to 8									
Paper size	Cassette	A3, A4, A4R, A5R, B4, B5, B5R, Ledger, Letter, Letter R, Legal, Statement R, Oficio II, Folio, 8K, 16KR, 216*340mm									
	MP tray	A3, A4, A4R, A5R, A6R, B4, B5, B5R, B6R, Ledger, Letter, Letter R, Legal, Statement R, Executive, Oficio II, Folio, 8K, 16KR, Envelope #10, Envelope #9, Envelope #6, Envelope Monarch, Envelope DL, Envelope C4, Envelope C5, Hagaki, Oufuku Hagaki, Youkei 2, Youkei 4, Custom, 216*340mm									
Zoom level		Manual mode : 25 to 400%, 1% increments Auto mode : 200%, 141%, 122%, 115%, 86%, 81%, 70%									
Copying speed (Simplex)		Color		B/W							
		Cassette		MP tray		Cassette		MP tray			
		A4/Letter		25 sheets/min		17 sheets/min		25 sheets/min		17 sheets/min	
		A4R/LetterR		17 sheets/min		14 sheets/min		17 sheets/min		14 sheets/min	
		A3/Ledger		13 sheets/min		10 sheets/min		13 sheets/min		10 sheets/min	
		B4/Legal		13 sheets/min		10 sheets/min		13 sheets/min		10 sheets/min	
		B5		25 sheets/min		17 sheets/min		25 sheets/min		17 sheets/min	
		B5R		17 sheets/min		14 sheets/min		17 sheets/min		14 sheets/min	
		A5R		13 sheets/min		10 sheets/min		13 sheets/min		10 sheets/min	
A6R		-		10 sheets/min		-		10 sheets/min			
First copy time (A4, feed from cassette)		When the DP is not used: 8.1 s or less (Color) / 6.2 s or less (B/W) When using the DP : 10.8 s or less (Color) / 8.9 s or less (B/W)									
Warm-up time (22 °C/71.6 °F, 60% RH)		Power on : 30 s or less									
Paper capacity	Cassette	1000 sheets (80g/m ² , 500 sheets x2)									
	MP tray	100 sheets (80 g/m ² , plain paper, A4/Letter or less) 25 sheets (80 g/m ² , plain paper, A4/Letter or more)									
Output tray capacity		Inner tray : 250 sheets (80g/m ²) Job separator : 30 sheets (80g/m ²), 15 sheets (A3 duplex)									

Item		Specifications
Continuous copying		1 to 999 sheets
Light source		White LED
Scanning system		Flat bed scanning by CCD image sensor
Photoconductor		OPC drum (diameter 30 mm)
Image write system		Semiconductor laser:
Charging system		Contact charger roller method
Developer system		Touch down developing system Developer: 2-component Toner replenishing: Automatic from the toner container
Transfer system		Primary: Transfer belt Secondary: Transfer roller
Separation system		Small diameter separation, separation electrode
Cleaning system		Counter blade cleaning
Charge erasing system		Exposure by cleaning lamp (LED)
Fusing system		One axis IH established method Heat source: IH inverter heating Abnormally high temperature protection devices: thermostat
CPU		P1022PSE2HFB (800MHz)
Main mem-ory (CPU)	Standard	3.5GB
	Maximum	(When the Document Processor (DP-772) is installed, 4GB.)
Interface	Standard	USB interface connector: 1 (USB Hi-speed) USB host: 4 (USB Hi-speed) Network interface: 1 (10BASE-T/100BASE-TX/1000BASE-T)
	Option	eKUIO slot: 2
Resolution		600 × 600 dpi
Operating environment	Temperature	10 to 32.5 °C/50 to 90.5 °F
	Humidity	15 to 80% RH
	Altitude	2,500 m/8,202 ft or less
	Brightness	1,500 lux or less
Dimensions (W × D × H)		594 × 737× 745 mm / 23 3/8" × 29"× 29 5/16"
Weight		875 kg / 192.9lb (with toner containers)
Space required (W × D)		873× 737 mm / 34 3/8" × 29" (using MP tray)
Rated input		120 V AC, 60 Hz, more than 12A 220 - 240 V AC, 50 Hz, more than 7.2 A
Options		Document processor, Platen, 500x2 paper feeder, 3000-sheets deck, Document finisher, Punch unit, Fax kit, Expanded memory for Fax, Gigabit ethernet board, Wireless LAN interface, Thin print kit, Data security kit, Internet FAX kit, Card Authentication kit, IC card reader holder, Document guard kit, Document tray, Key counter, USB key board, Keyboard holder

Printer

Item	Specifications				
	Color			B/W	
	Cassette	MP tray	Cassette	MP tray	
Printing speed (Simplex)	A4/Letter	25 sheets/min	17 sheets/min	25 sheets/min	17 sheets/min
	A4R/LetterR	17 sheets/min	14 sheets/min	17 sheets/min	14 sheets/min
	A3/Ledger	13 sheets/min	10 sheets/min	13 sheets/min	10 sheets/min
	B4/Legal	13 sheets/min	10 sheets/min	13 sheets/min	10 sheets/min
	B5	25 sheets/min	17 sheets/min	25 sheets/min	17 sheets/min
	B5R	17 sheets/min	14 sheets/min	17 sheets/min	14 sheets/min
	A5R	13 sheets/min	10 sheets/min	13 sheets/min	10 sheets/min
	A6R	-	10 sheets/min	-	10 sheets/min
Printing speed (Duplex)	A4/Letter	23 sheets/min	16 sheets/min	23 sheets/min	16 sheets/min
	A4R/LetterR	9 sheets/min	8 sheets/min	9 sheets/min	8 sheets/min
	A3/Ledger	7 sheets/min	6 sheets/min	7 sheets/min	6 sheets/min
	B4/Legal	7 sheets/min	6 sheets/min	7 sheets/min	6 sheets/min
	B5	23 sheets/min	16 sheets/min	23 sheets/min	16 sheets/min
	B5R	9 sheets/min	8 sheets/min	9 sheets/min	8 sheets/min
	A5R	13 sheets/min	9 sheets/min	13 sheets/min	9 sheets/min
First print time (A4, feed from cassette)	B/W : 6.9 s Color : 9.1 s (Excluding time for system stabilization immediately after turning on the main power.)				
Resolution	600 x 600 dpi				
Operating system	Windows 2000, Windows XP, Windows Server 2003, Windows Vista, Windows 7, Windows Server 2008, Windows Server 2012, Windows 8, Apple Macintosh OS 9.x, OS X				
Interface	USB interface connector: 1 (USB Hi-speed) Network interface: 1 (10BASE-T/100BASE-TX/1000BASE-T) Option interface: 1 (for IB-50/IB-51)				
Page description language	PRESCRIBE				
Emulation	PCL-6(PCL5c/PCL-XL), KPDL3, XPS				

Scanner

Item		Specifications
Operating system		Windows XP, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7, Windows Server 2012, Windows 8
Resolution		600 dpi, 400 dpi, 300 dpi, 200 dpi, 200 × 100dpi, 200 × 400dpi
File format		TIFF, JPEG, XPS, PDF (MMR/JPEG compression), PDF (high compression)
Scanning speed	Simplex	B/W : 48 images/min Color: 48 images/min (A4 landscape, 300 dpi, Image quality: Text/Photo original)
	Duplex	B/W : 15 images/min Color : 15 images/min (A4 landscape, 300 dpi, Image quality: Text/Photo original)
Interface		Ethernet (10 BASE-T/100 BASE-TX/1000BASE-T)
Network protocol		TCP/IP
Transmission system		PC transmission SMB: Scan to PC FTP: Scan to FTP, FTP over SSL E-mail transmission SMTP: Scan to E-mail TWAIN scan KM-WSDL, WIA Driver WIA scan WSD-Scan

NOTE: These specifications are subject to change without notice.

1-1-2 Parts names

(1) Machine (front side)



Figure 1-1-1

- | | |
|----------------------------|--------------------------|
| 1. Cassette | 6. MP Paper width guides |
| 2. Paper width guides | 7. Inner tray |
| 3. Paper length guide | 8. Operation panel |
| 4. MP (multi purpose) tray | 9. USB memory slot |
| 5. MP tray extension | 10. Main power switch |

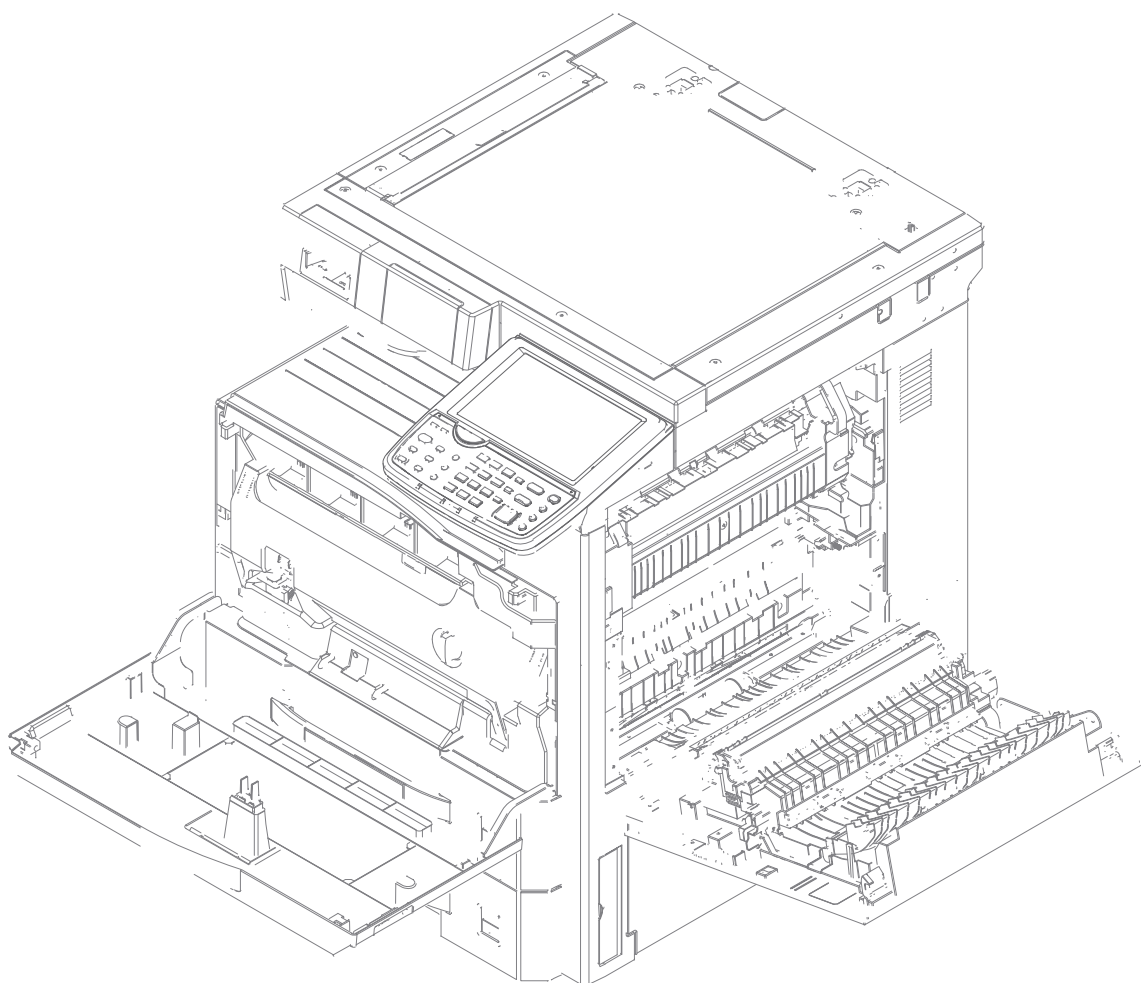
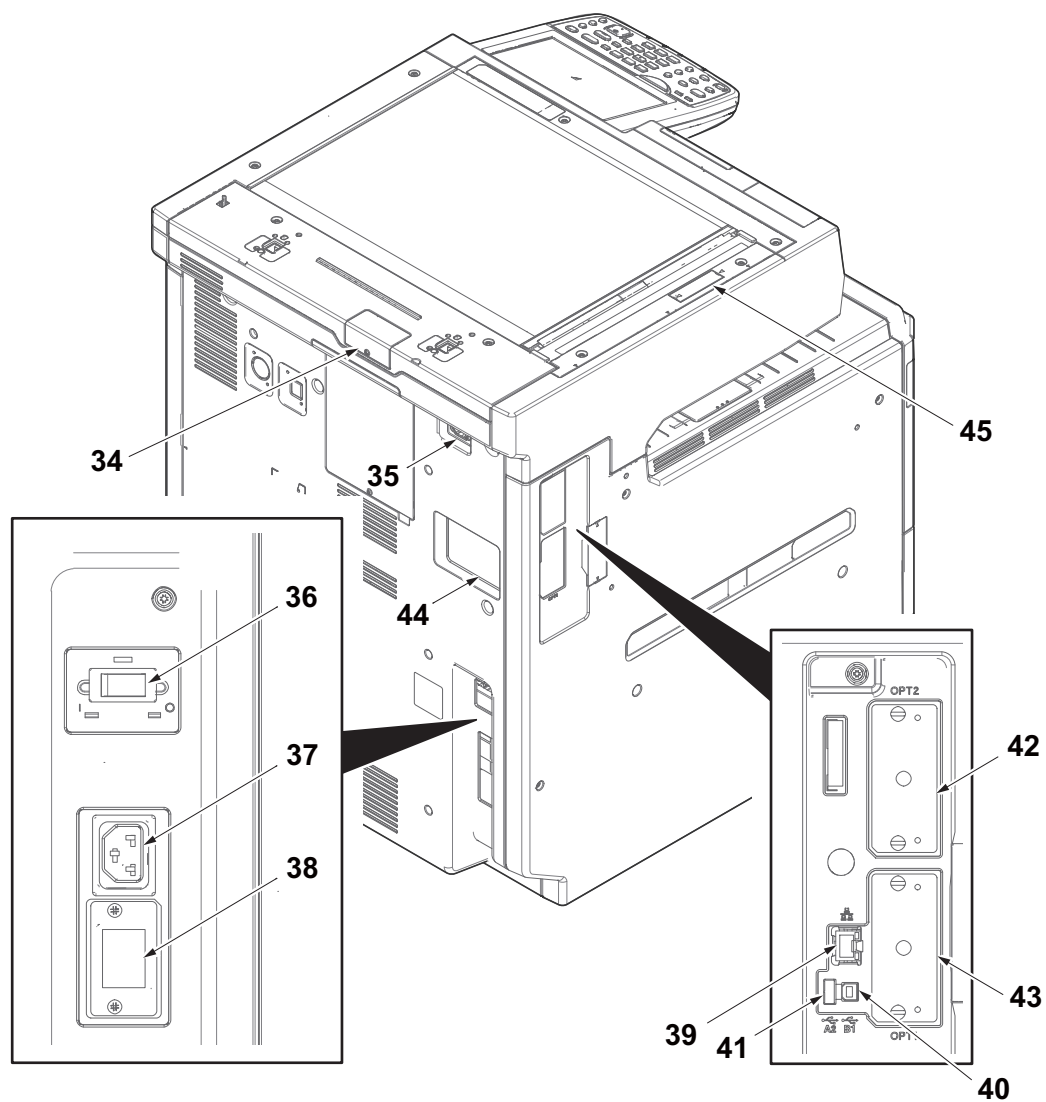
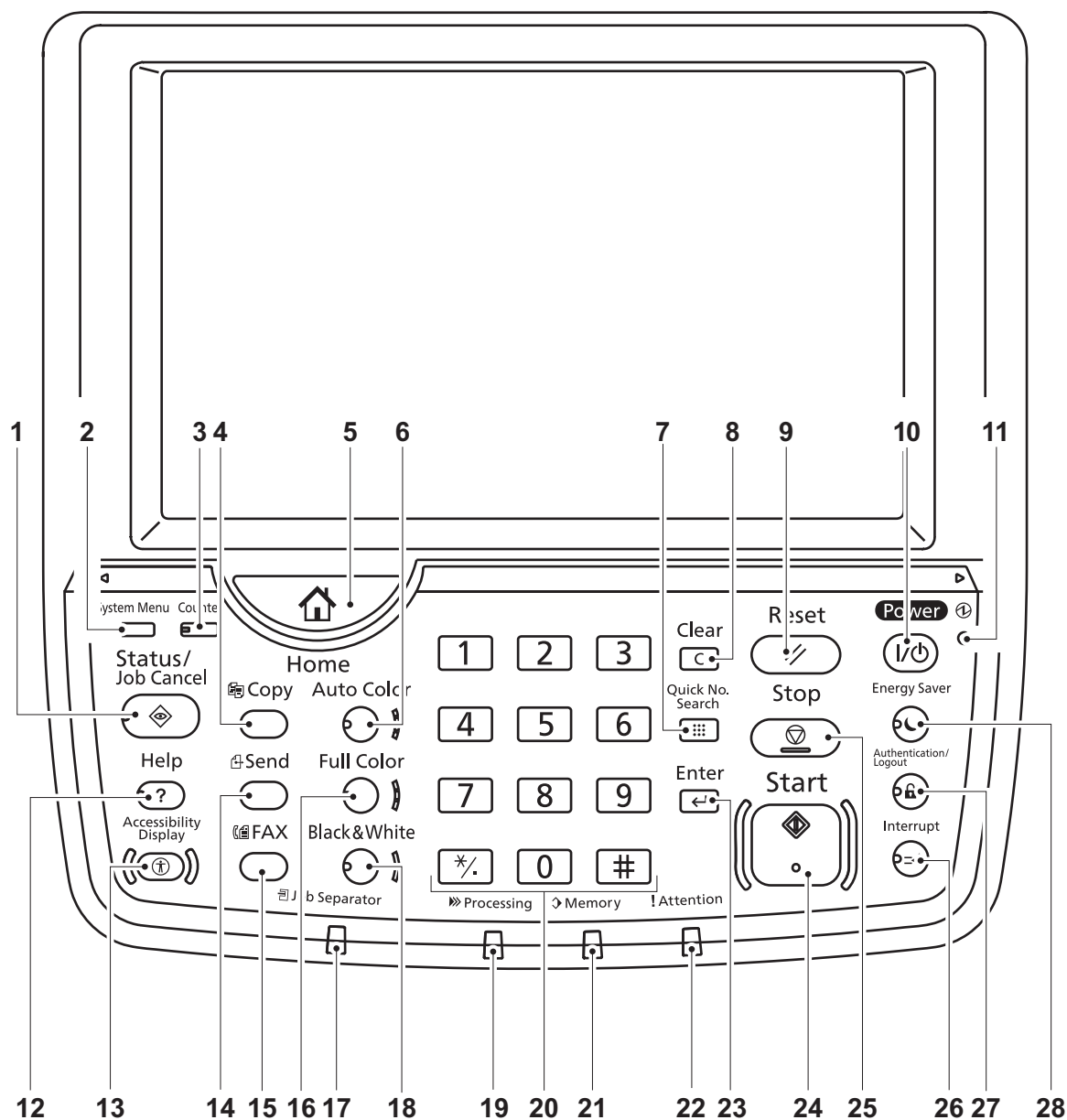


Figure 1-1-2

- | | | |
|-------------------------------|------------------------|-----------------------|
| 11. Duct cover | 19. Toner container /Y | 27. Developer unit /Y |
| 12. Waste toner box | 20. Toner container /C | 28. Developer unit /C |
| 13. Right cover 1 | 21. Toner container /M | 29. Developer unit /M |
| 14. MP paper feed roller | 22. Toner container /K | 30. Developer unit /K |
| 15. Right registration roller | 23. Drum unit /Y | 31. Duct holder |
| 16. Secondary transfer roller | 24. Drum unit /C | 32. Right cover 2 |
| 17. Feed shift guide | 25. Drum unit /M | 33. Front cover |
| 18. Fuser unit | 26. Drum unit /K | |

(2) Machine (rear side)**Figure 1-1-3**

- | | |
|----------------------------------|-----------------------------|
| 34. DP interface connector cover | 41. USB interface connector |
| 35. DP interface connector | 42. Option interface slot 2 |
| 36. Cassette heater switch | 43. Option interface slot 1 |
| 37. Inlet connector | 44. FAX memory cover |
| 38. Coin vender connector | 45. Scanner lock cover |
| 39. Network interface connector | |
| 40. USB port | |

(3) Operation panel**Figure 1-1-4**

- | | | |
|--------------------------|-------------------------------|-------------------------------|
| 1. Status/Job cancel key | 11. Main power indicator | 21. Memory indicator |
| 2. System menu key | 12. Help key | 22. Attention indicator |
| 3. Counter key | 13. Accessibility display key | 23. Enter key |
| 4. Copy key | 14. Send key | 24. Start key |
| 5. Home key | 15. FAX key | 25. Stop key |
| 6. Auto color key | 16. Full color key | 26. Interrupt key |
| 7. Quick no. search key | 17. Job separator indicator | 27. Authentication/Logout key |
| 8. Clear key | 18. Black and White key | 28. Energy saver key |
| 9. Reset key | 19. Processing indicator | |
| 10. Power key | 20. Numeric keys | |

1-1-3 Machine cross section

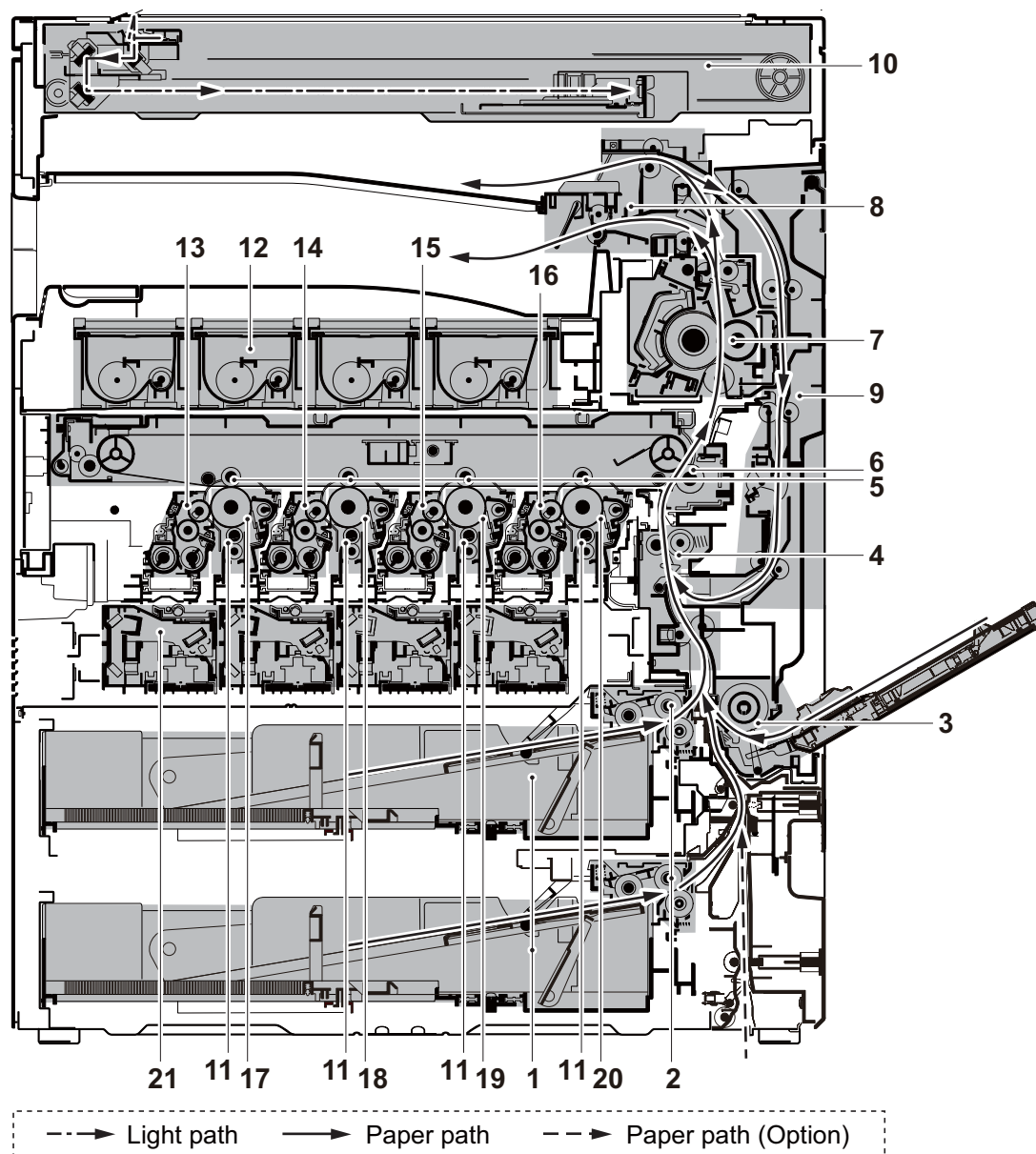


Figure 1-1-5

- | | | |
|--|------------------------------|---------------------------------------|
| 1. Cassette | 8. Eject section | 16. Developer unit /K |
| 2. Cassette paper feed section | 9. Duplex/conveying section | 17. Drum unit /Y |
| 3. MP tray paper feed section | 10. Image scanner unit (ISU) | 18. Drum unit /C |
| 4. Conveying section | 11. Charger roller unit | 19. Drum unit /M |
| 5. Primary transfer section | 12. Toner container /YCMK | 20. Drum unit /K |
| 6. Secondary transfer section /
Separation sections | 13. Developer unit /Y | 21. Laser scanner unit (LSU)
/YCMK |
| 7. Fuser unit | 14. Developer unit /C | |
| | 15. Developer unit /M | |

1-2-1 Installation environment

1. Temperature: 10 to 32.5°C/50 to 90.5°F
2. Humidity: 15 to 80% RH
3. Power supply: 120 V AC, 12.0 A
220 - 240 V AC, 7.2A
4. Power supply frequency: 50 Hz $\pm 2\%$ /60 Hz $\pm 2\%$
5. Installation location

Avoid direct sunlight or bright lighting. Ensure that the photoconductor will not be exposed to direct sunlight or other strong light when removing paper jams.

Avoid locations subject to high temperature and high humidity or low temperature and low humidity; an abrupt change in the environmental temperature; and cool or hot, direct air.

Avoid places subject to dust and vibrations.

Choose a surface capable of supporting the weight of the machine.

Place the machine on a level surface.

The degree of level: 5 mm or less of front and rear, right and left

Twist: 3 mm or less

Avoid air-borne substances that may adversely affect the machine or degrade the photoconductor, such as mercury, acidic or alkaline vapors, inorganic gasses, NO_x, SO_x gases and chlorine-based organic solvents.

Select a well-ventilated location.

6. Allow sufficient access for proper operation and maintenance of the machine.

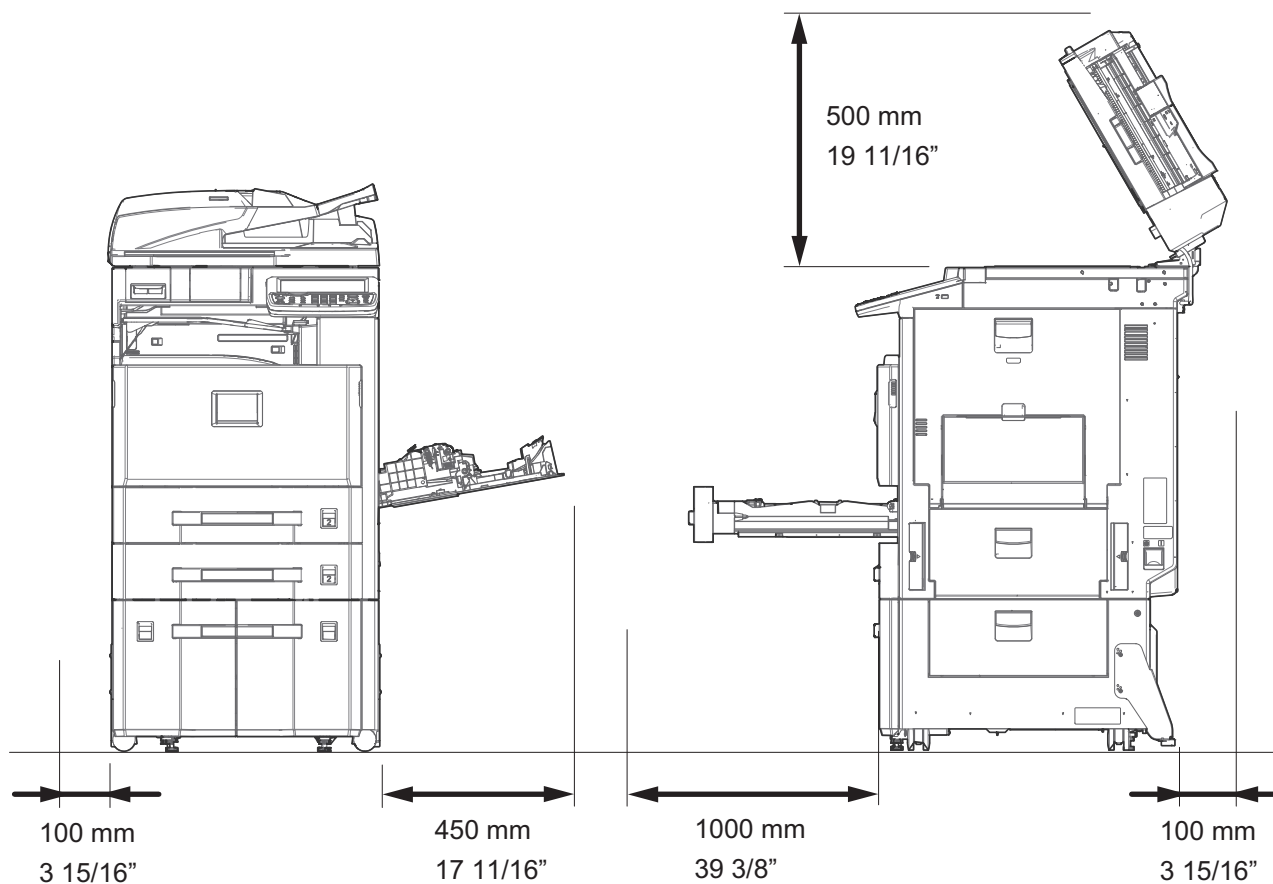
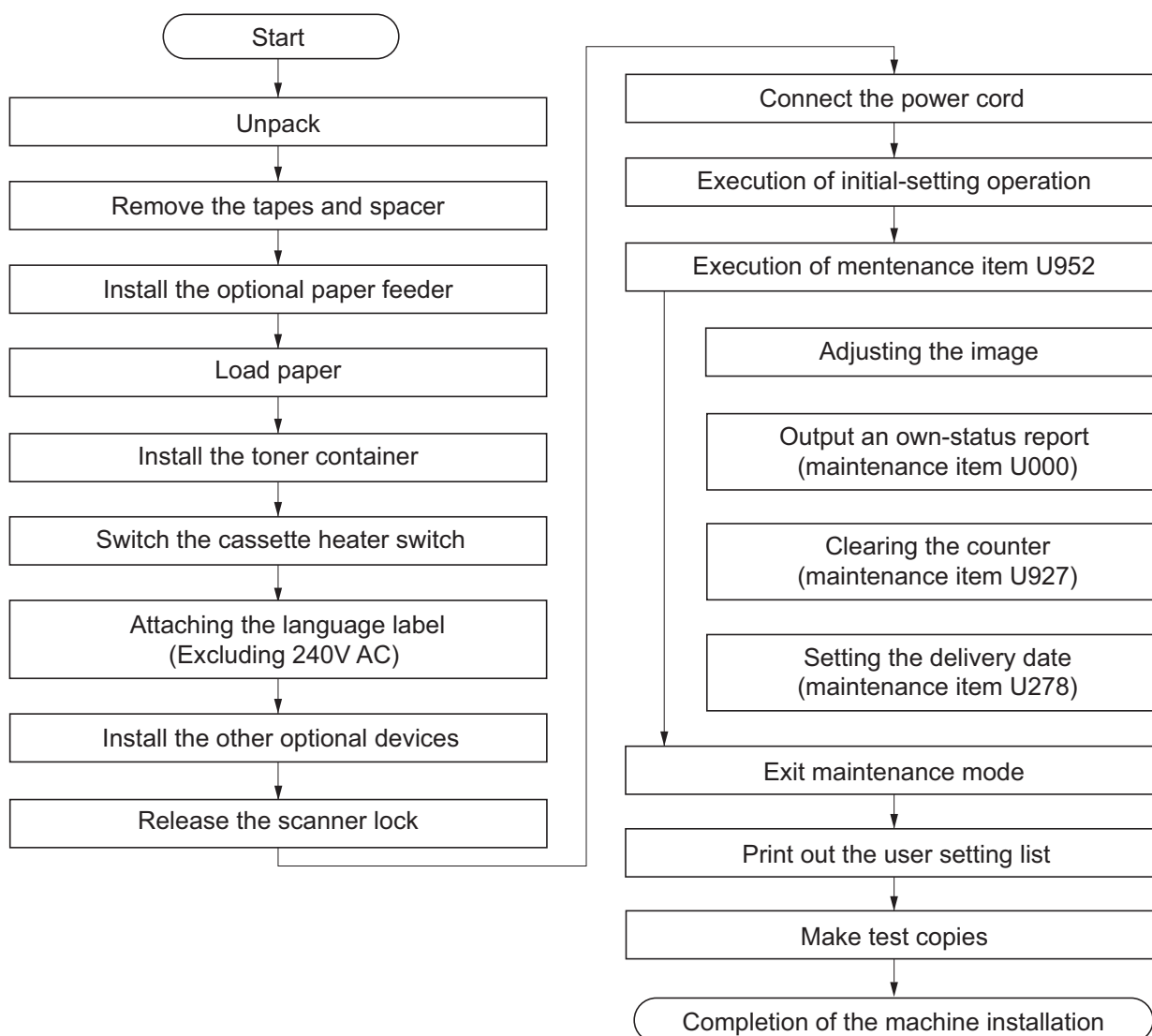


Figure 1-2-1

1-2-2 Unpacking and installation

(1) Installation procedure



Unpacking

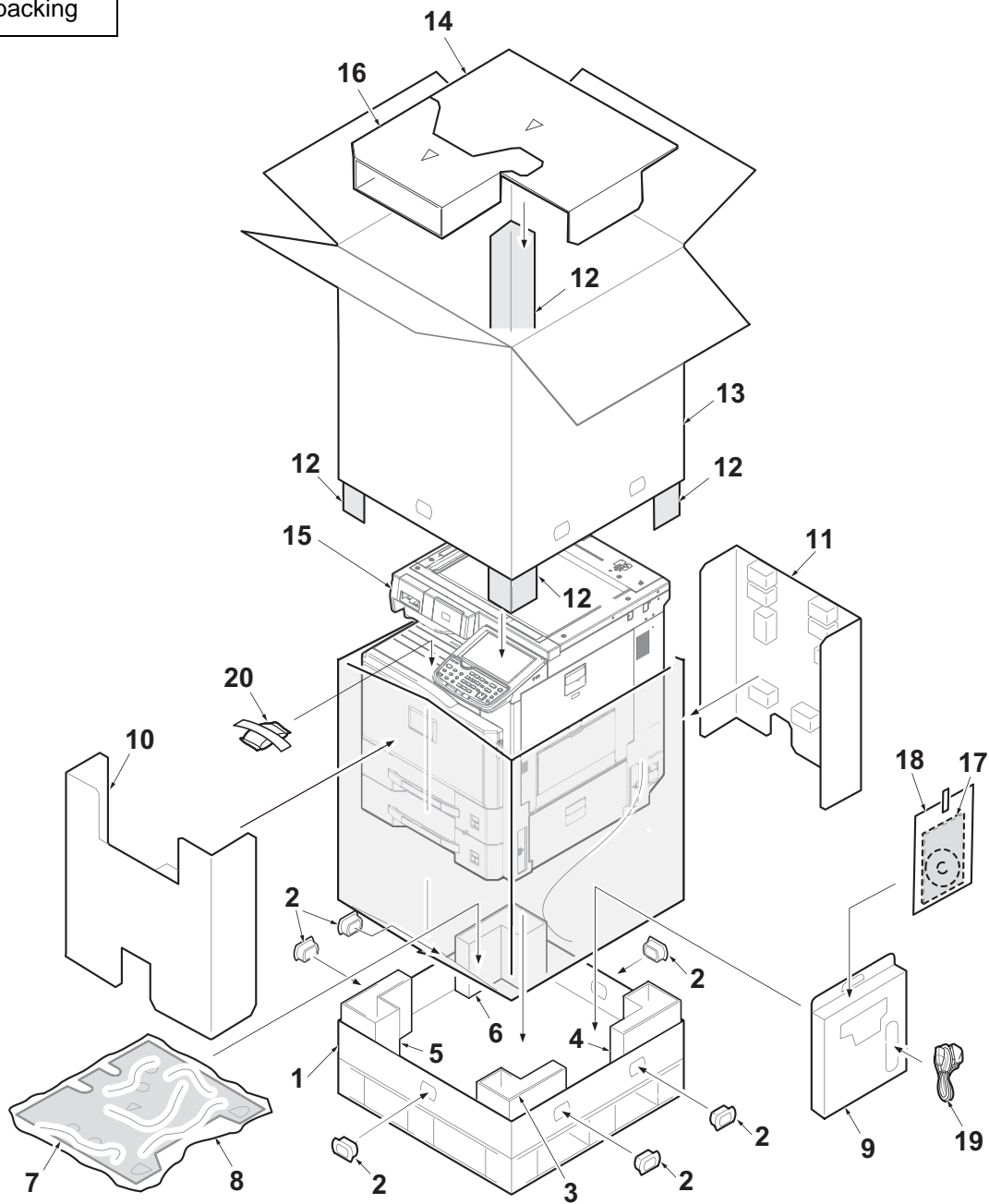


Figure 1-2-2

- | | | |
|------------------|------------------------------|----------------|
| 1. Skid | 10. Pad F | 19. Power cord |
| 2. Hinge joints | 11. Pad R | 20. Desiccant |
| 3. Bottom pad RF | 12. Stay | |
| 4. Bottom pad RR | 13. Outer case | |
| 5. Bottom pad LF | 14. Top pad | |
| 6. Bottom pad LR | 15. Machine | |
| 7. Bottom pad C | 16. Pad LF | |
| 8. Poly bag | 17. Installation guide, etc. | |
| 9. Accessory box | 18. Poly bag | |

Cautions: Place the machine on a level surface.

Remove the tapes and spacer

1. Remove two tapes and remove the protection pad.
2. Remove two tapes and remove the paper.
3. Remove two tapes from the main unit.

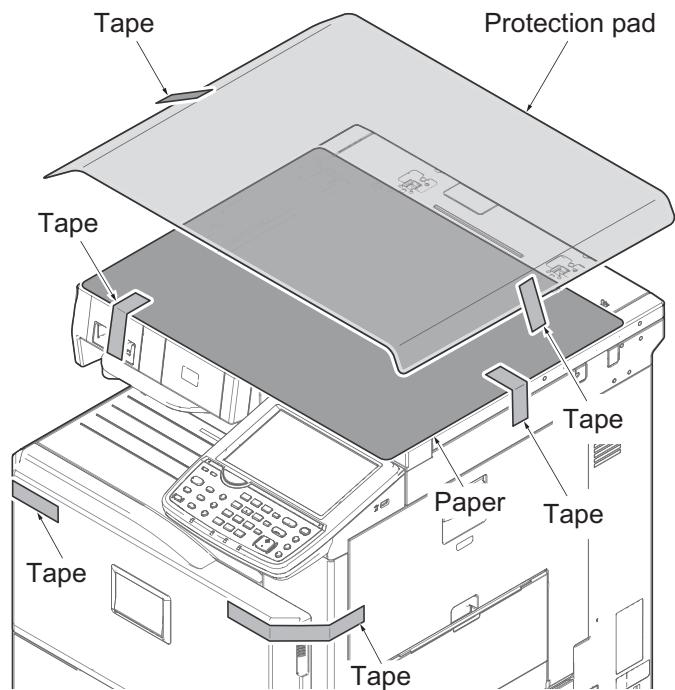


Figure 1-2-3

4. Remove three tapes and remove the operation unit protection cover.
5. Remove the operation panel protector sheet.

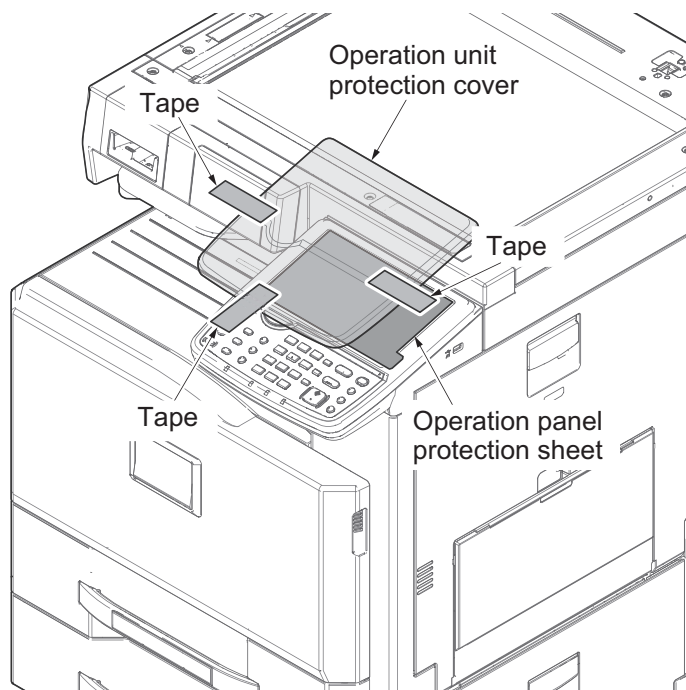
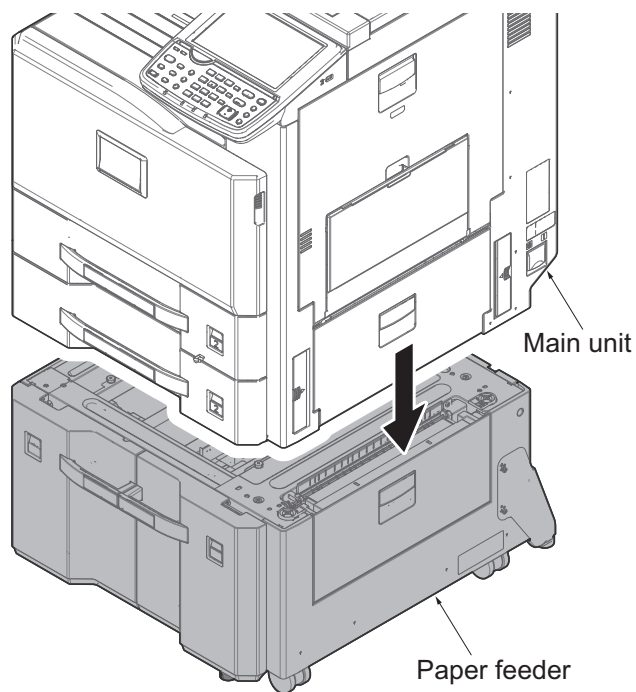


Figure 1-2-4

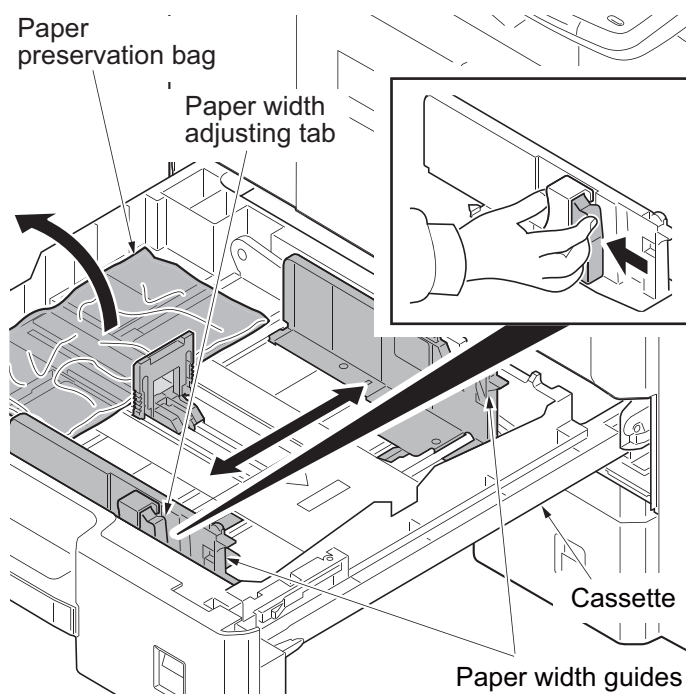
Install the optional paper feeder

1. Install the optional paper feeder as required.

Note: Refer to the installation manual of a paper feeder for details.

**Figure 1-2-5****Load paper**

1. Take out the paper preservation bag.
2. Pressing the paper width adjusting tab as shown, move the paper width guides to fit the paper size.

**Figure 1-2-6**

3. Adjust the paper length guide to fit the paper size.

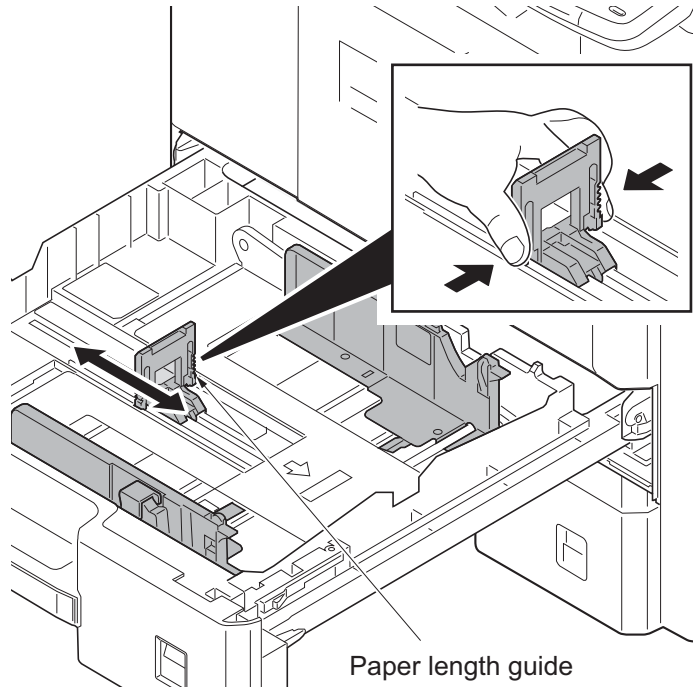


Figure 1-2-7

4. Align the paper so that it is abut with the right end of the cassette.
5. Insert the cassette size plate.
6. Gently push the cassette back in.

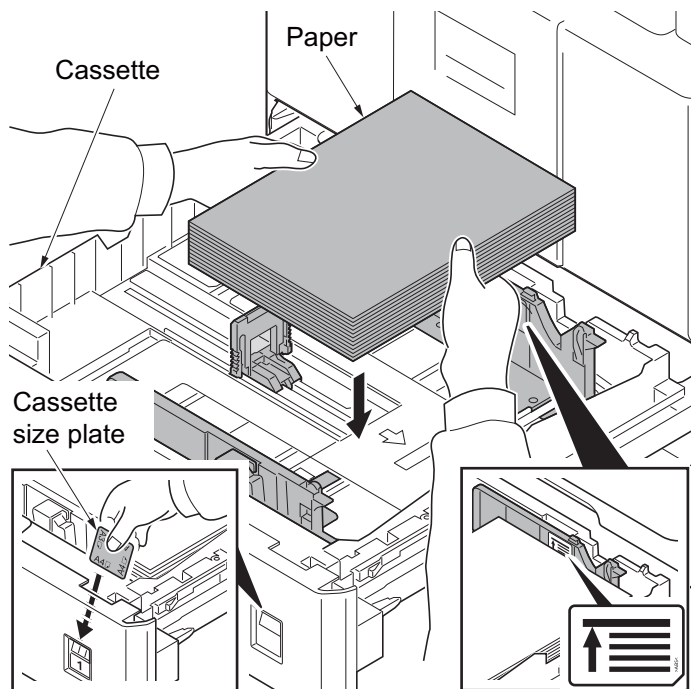


Figure 1-2-8

Install the toner container

1. Open the front cover.
2. Hold the toner container vertically and tap the upper part five times or more. Turn the toner container upside down and tap the upper part five times or more.

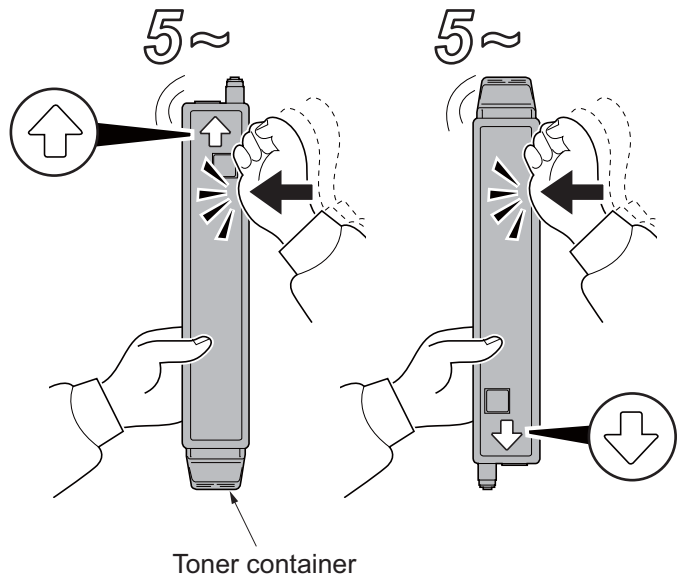


Figure 1-2-9

3. Shake the toner container up and down five times or more. Turn the toner container upside down and shake it five times or more.

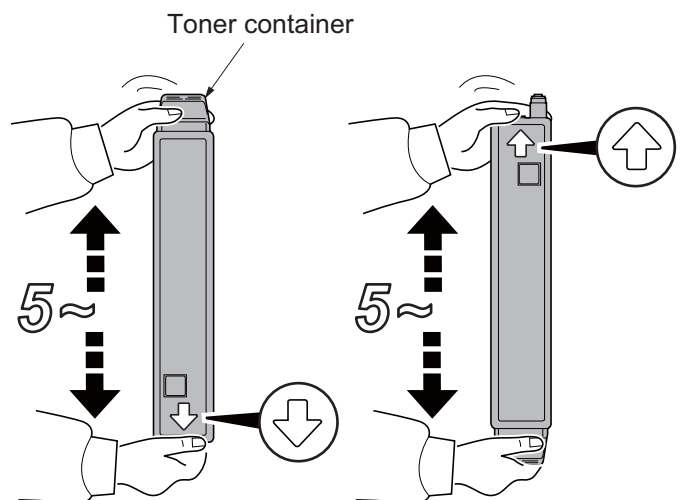


Figure 1-2-10

4. Shake the toner container approximately five or six times in the horizontal direction to stir toner.

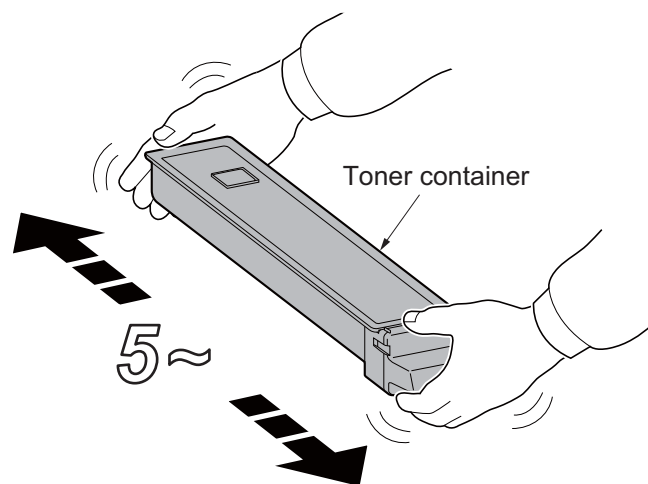


Figure 1-2-11

5. Gently push the toner container into the machine.

Note: Push the container all the way into the machine until it locks in place.

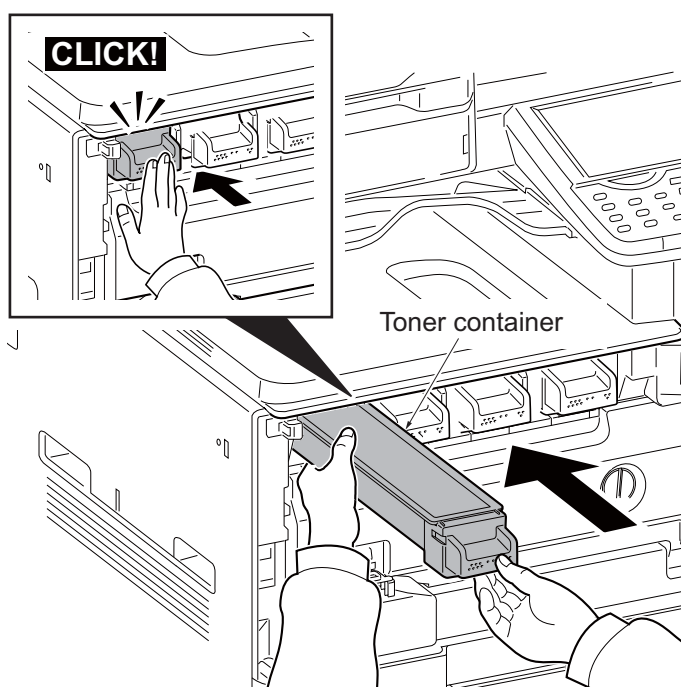


Figure 1-2-12

Switch the cassette heater switch

1. Release the hook and then remove the switch cover.
2. Turn the cassette heater switch on.
Note: When the cassette heater is used, it turns it on.
3. Refit the switch cover.

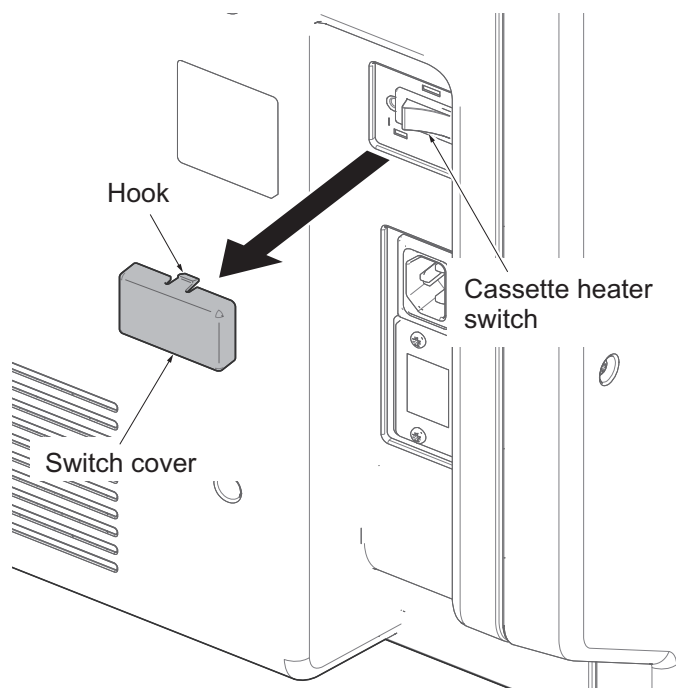


Figure 1-2-13

Attaching the language label (Excluding 240V AC model)

1. Insert a flat-head screwdriver and slide the operation panel covers A and B to remove them.

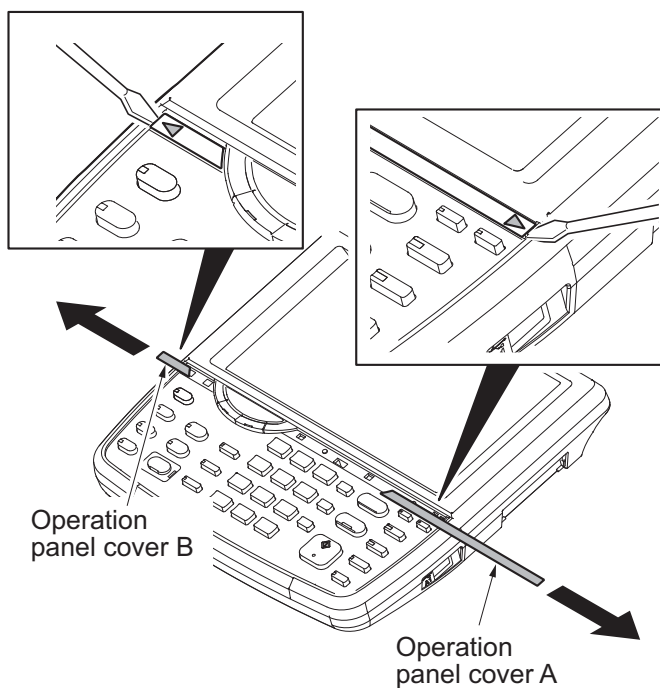


Figure 1-2-14

2. Remove the clear panel.

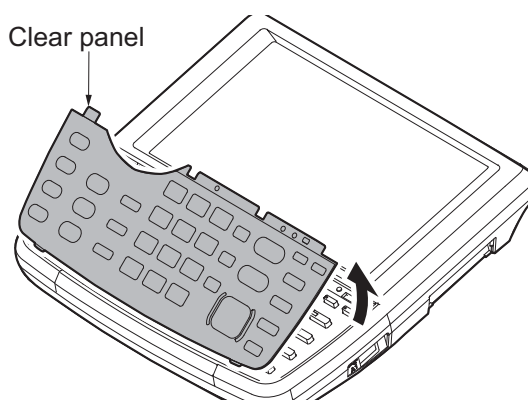


Figure 1-2-15

3. Remove the operation panel sheet.
4. Replace the operation panel sheet of the corresponding language.
5. Refit the clear panel.
6. Refit the operation panel covers A and B.

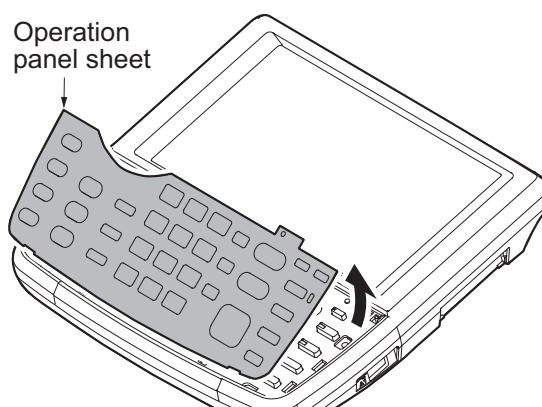


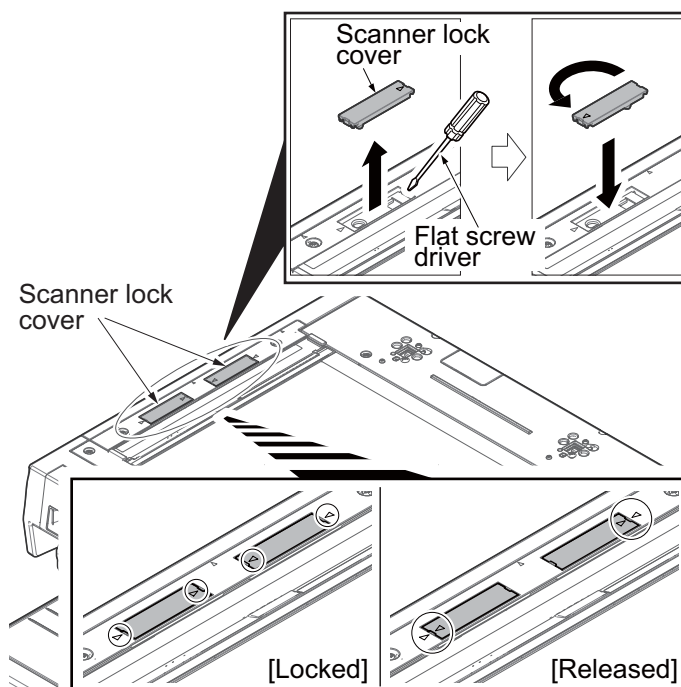
Figure 1-2-16

Install the other optional devices

1. Install the optional devices (Document finisher, Fax kit, etc.) as required.

Release the scanner lock

1. Remove two scanner lock cover using the flatscrew driver.
2. Reverse the upper and lower sides of a scanner lock cover and then refit it.
 - * : Releases the lock of the scanner unit.
 - * : If a lock is not released, when a power supply is switched on, an error message (C3100) will be displayed.

**Figure 1-2-17**

Connect the power cord

1. Connect the power cord to the connector on the machine.
2. Insert the power plug into the wall outlet.

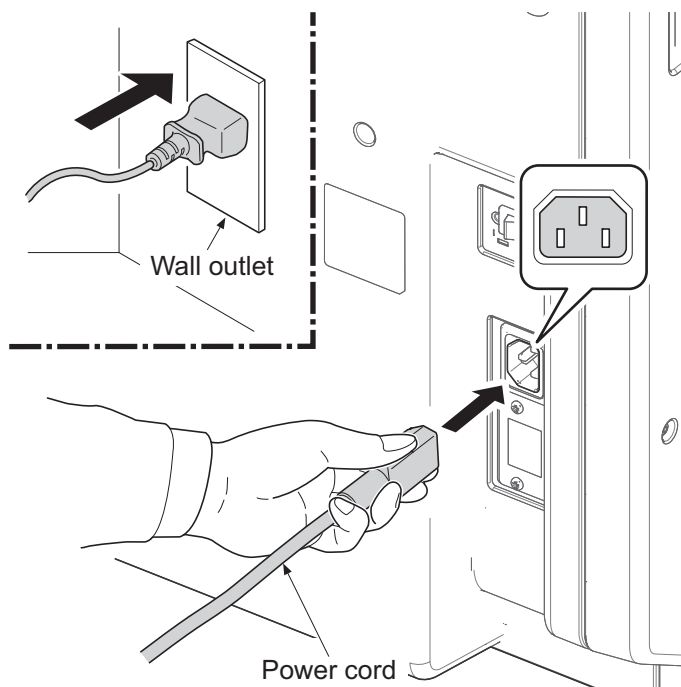


Figure 1-2-18

Execution of initial-setting operation

1. Turn the main power switch on.
The machine automatically starts to feed toner in the developer unit.
Note: When the main power switch is turned on for the first time, it takes about five minutes until entering the state that can be copied.
2. The drive chain is disengaged when toner installation is completed.

Execution of maintenance item U952

1. Enter the maintenance mode by entering 10871087 using the numeric keys.
2. Enter 952 using the numeric keys and press the start key.
3. Select [Execute].
4. Select [SETUP].
5. Press the start key.

* : Running the simulation allows execution histories to be logged.

* : The maintenance mode U952 [SETUP] includes the following:
If U952 is not used, follow the procedure below

[Adjusting the image]

1. **Performing calibration (See the operation guide for details, or use maintenance mode U464 [Setting the ID correction operation - performing calibration] to conduct this adjustment.)**
Press the System menu key.
Press [Adjustment/Maintenance] and then [Next] of [Calibration].
Press [Execute] to perform Color calibration. When completed, press [OK].
2. **Performing color registration (See the operation guide for details, or use maintenance mode U469 [Adjusting the color registration] to conduct this adjustment.)**
Press [Adjustment/Maintenance] and then [Next] of [Color Registration].
Perform adjustments automatically or manually.
Auto correction
Press [Next] in [Auto]. Press [Start]. A chart is printed.
Set the output chart for adjustment as the original.
Press [Start] to perform Color registration. When completed, press [OK].
Manual correction
Press [Next] in [Manual]. Press [Print] of [Chart]. A chart is printed.
Find the location on each chart where 2 lines most closely match.
Press [Next] of [Registration] and [Change].
Enter the registration values for each chart.
Press [Start] to perform Color registration. When completed, press [OK].
3. **U410 Adjusting the halftone automatically (see page 1-3-133)**
Load the cassette with multiple sheets of A4 or Letter paper.
Enter the maintenance mode by entering 10871087 using the numeric keys.
Enter 410 using the numeric keys and press the start key.
Press [Normal Mode] and then press the start key. A test patterns 1, 2 and 3 are outputted.
Place the output test pattern 1 as the original.
Place approximately 20 sheets of white paper on the test pattern 1 and set them.
Press the start key. Adjustment is made.
Place the output test pattern 2 as the original.
Place approximately 20 sheets of white paper on the test pattern 2 and set them.
Press the start key. Adjustment is made.
Place the output test pattern 3 as the original.
Place approximately 20 sheets of white paper on the test pattern 2 and set them.
Press the start key. Adjustment is made.
[Finish] is displayed in [Phase] when normally completed.
Press the stop key twice to exit.

4. Make test copies.

If image quality is unsatisfactory after test copying, execute calibration, then retry U410-Adjusting the halftone automatically.

[Output an own-status report (maintenance item U000)]

1. Enter the maintenance mode by entering 10871087 using the numeric keys.
2. Enter 000 using the numeric keys and press the start key.
3. Select Maintenance and press the start key to output a list of the current settings of the maintenance items.
4. Press the stop key to exit.

[Clearing the counter (maintenance item U927)]

1. Enter 927 using the numeric keys and press the start key.
2. Select [Excute].
3. Press the start key. The counter is cleared.
4. Press the stop key to exit.

[Setring the delivery date (maintenance item U278)]

1. Enter 278 using the numeric keys and press the start key.
2. Select [Today].
3. Press the start key. The delivery date is set.
4. Press the stop key to exit.

Exit maintenance mode

1. Enter "001" using the numeric keys and press the start key.

Print out a user setting list

1. Select [Report Print] to print a user setting list.

Make test copies

1. Place an original and make test copies.

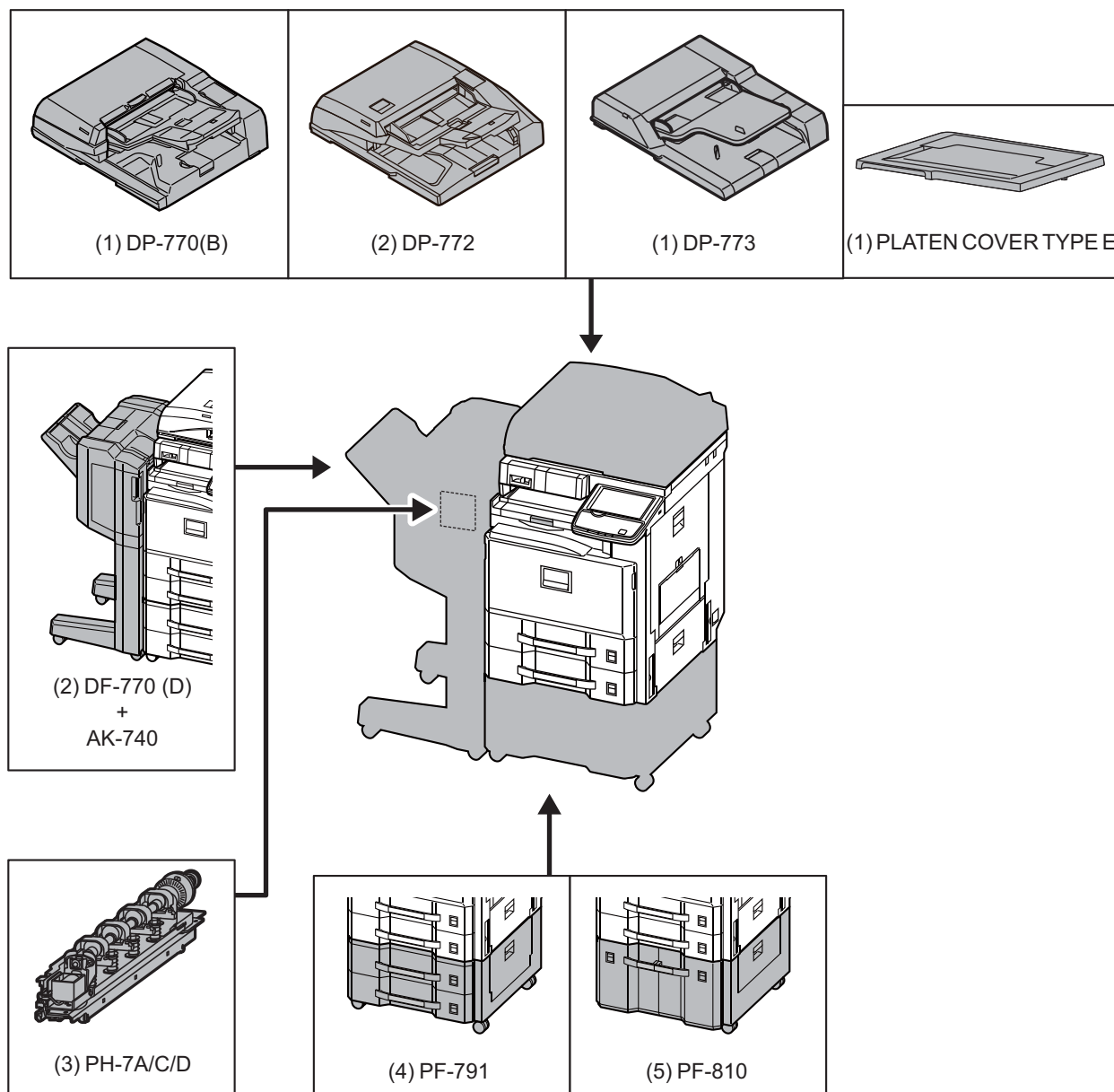
Installation is completed.

(2) Setting initial copy modes

Factory settings are as follows:

Maintenance item No.	Contents	Factory setting
U250	Checking/clearing the maintenance cycle	200000 200000 0 300000 300000 300000 300000
U251	Checking/clearing the maintenance counter	0/0/0/0/0/0
U252	Setting the destination	-
U253	Switching between double and single counts	Double count (A3/Ledger)
U260	Selecting the timing for copy counting	Eject
U265	Setting OEM purchaser code	
U276	Setting the copy count mode	Mode0
U278	Setting the delivery date	
U284	Setting 2 color copy mode	Off
U285	Setting service status page	On
U325	Setting the paper interval	1
U326	Setting the black line cleaning indication	On/8
U332	Setting the size conversion factor	1.0 0 1.0 2.5
U340	Setting the applied mode	0 10
U341	Specific paper feed location setting for printing function	Off/Off/Off/Off
U343	Switching between duplex/simplex copy mode	Off
U345	Setting the value for maintenance due indication	0
U346	Selecting Sleep Mode	On

1-2-3 Option composition



[Other option]

FAX System (W)(B)

Expansion memory (MM-16-128)

Network interface (IB-50)

Wireless LAN interface (IB-51)

Data security kit(E)

Internet FAX kit(B)

Printed document guard kit (B)

Thin Print (UG-33)

Upgrade kit (UG-34)

Card Authentication KIT (B)

IC card reader

Card Reader Holder (B)

Document tray (DT-730(B))

Key card (MK-2)

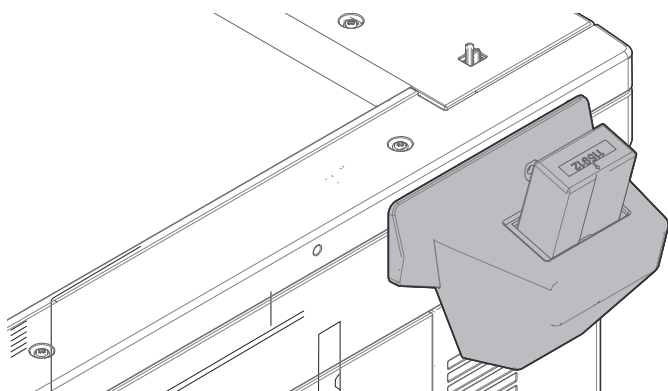
Key counter

USB keyboard

USB keyboard holder (B)

1-2-4 Installing the key counter (option)

(1) Installing directly on the device



Key counter installation requires the following parts:

Parts	Quantity	Part.No.
Key counter	1	3025418011
Key counter set	1	302A369709
Key counter wire	1	302NP46410
Wire saddle B	1	7YZM610008++H01
Wire saddle C	1	7YZM610009++H01

Supplied parts of key counter set (302A369709):

Parts	Quantity	Part.No.
Key counter socket assembly	1	3029236241
Key counter cover retainer	1	302GR03010
Key counter retainer	1	302GR03020
Key counter cover	1	3066060011
Key counter mount	1	3066060041
Edging	2	7YZM210006++H01
Band	1*	M21AH010
M3 x 8 tap-tight P screw	1*	5MBTPB3008PW++ R
M4 x 10 tap-tight P screw	2*	5MBTPB4010PW++ R
M4 x 10 tap-tight S screw	2	5MBTPB4010TW++ R
M3 x 6 bronze flat-head screw	2	7BB003306H
M4 x 20 tap-tight S screw	2*	7BB100420H
M3 nut	1	7BC1003055++H01

Parts	Quantity	Part.No.
M3 x 8 bronze binding screw	1*	B1B03080
M4 x 30 tap-tight S screw	1*	B1B54300
M4 x 6 chrome TP screw	5	B4A04060
M4 x 10 chrome TP screw	2	B4A04100

* : Not used in this model.

: One piece is used in this model.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Fit the key counter socket assembly to the key counter retainer using two screws and nut.

Note: Take out the wire from the central portion of the key counter retainer, as shown in a figure.

3. Fit the key counter mount to the key counter cover using two screws.
4. Fit the key counter retainer to the key counter mount using two screws.

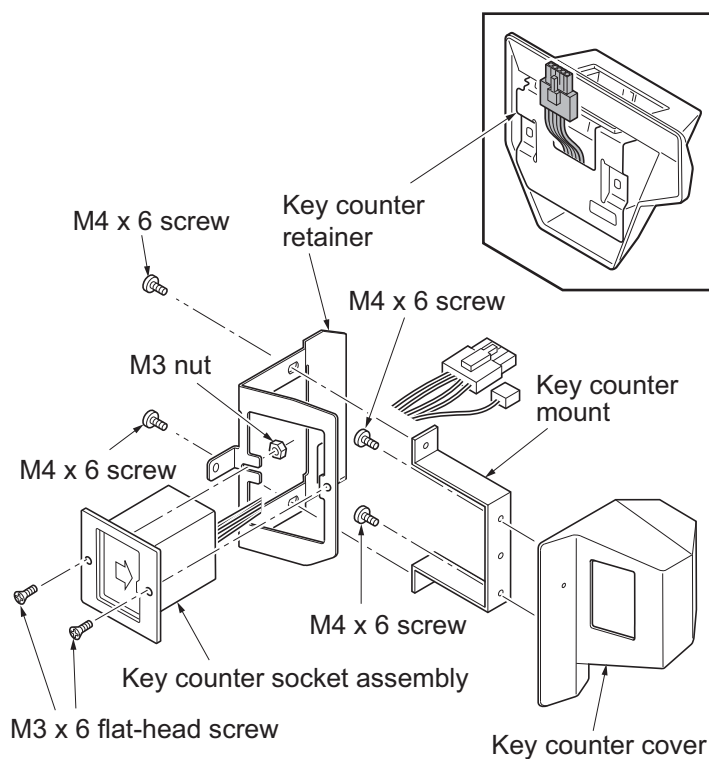


Figure 1-2-19

5. Remove eight screws.
6. Pull the rear cover upwards and then release three hooks.
7. Remove the rear cover.

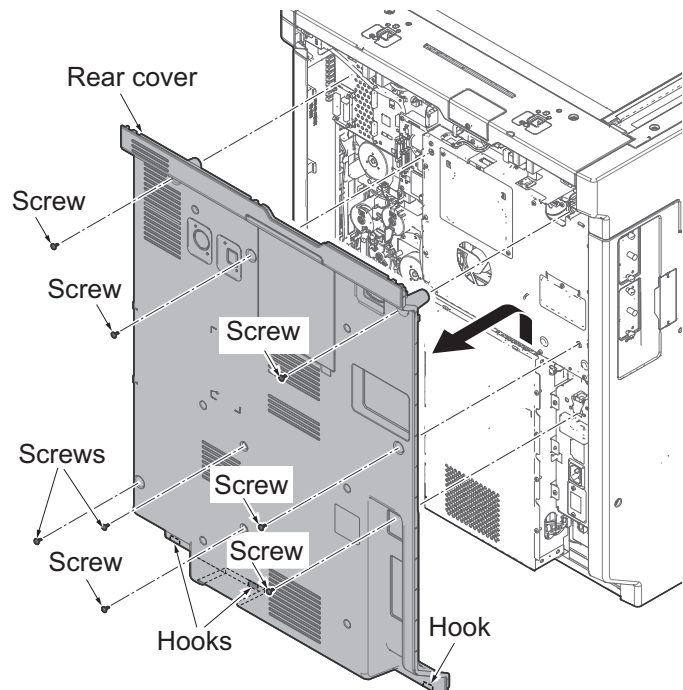


Figure 1-2-20

8. Remove two screws and then remove the scanner right cover.
9. Remove the right upper cover.

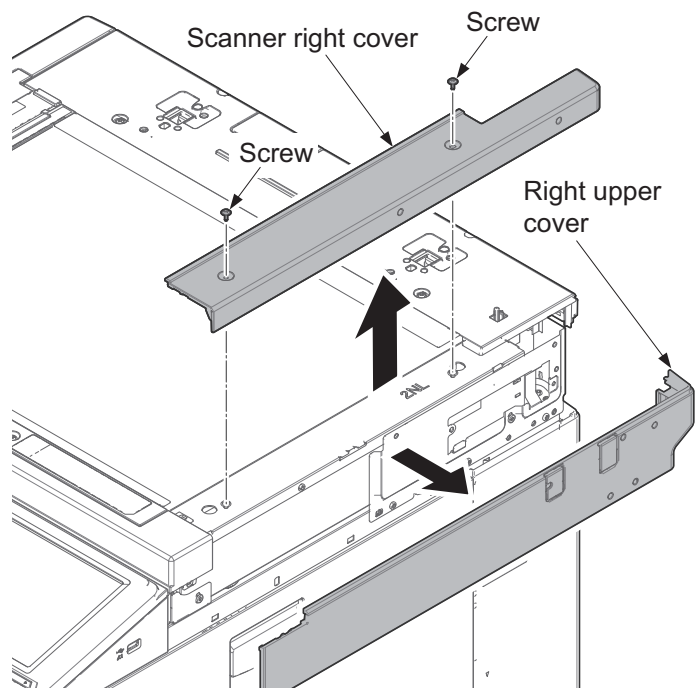


Figure 1-2-21

10. Cut out the aperture plate (right side) on the right upper cover using nippers.

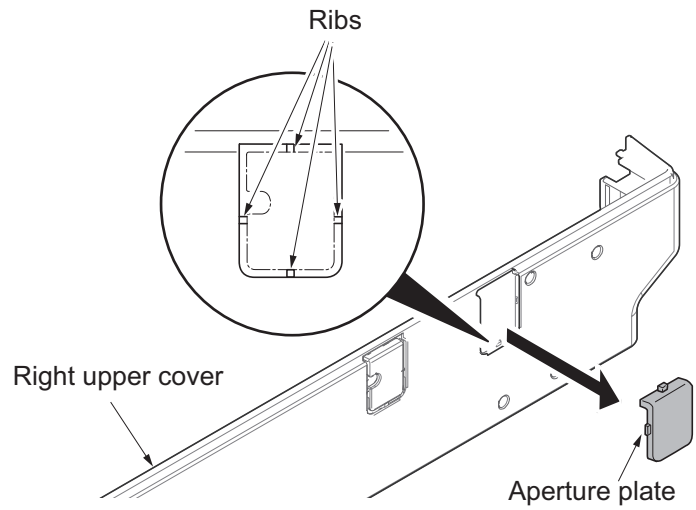


Figure 1-2-22

11. Remove two screws and then remove the scanner rear cover.

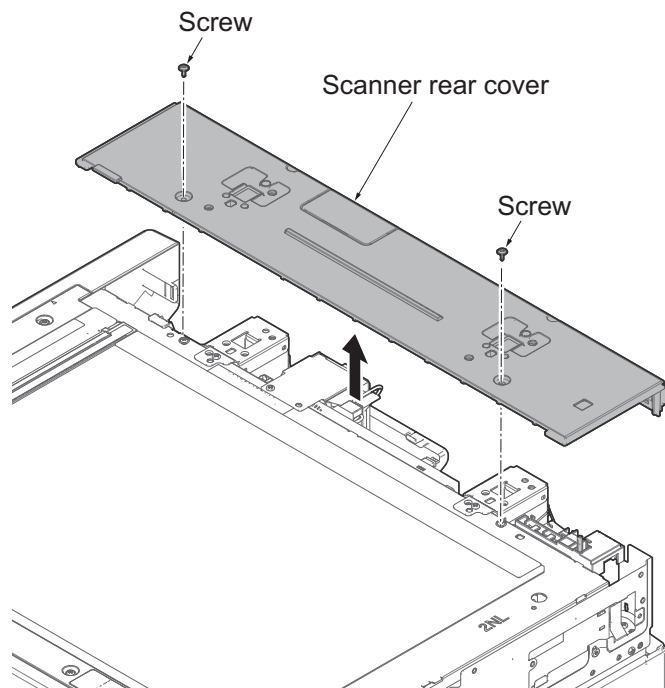


Figure 1-2-23

12. Attaches the wire saddle B and the wire saddle C to right upper section of the machine and then release two hooks of the thir.
13. Attach the edging to the aperture part.

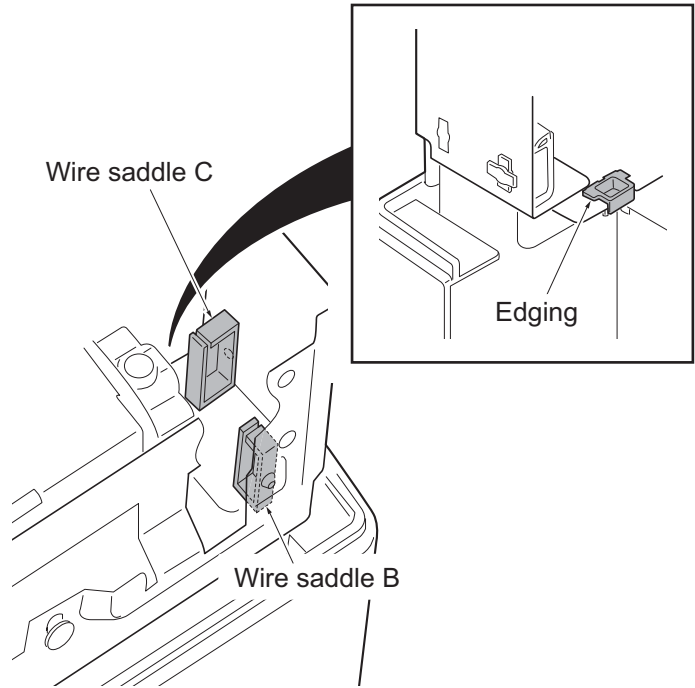


Figure 1-2-24

14. Pass the key counter electrical wires through the wire saddle B and the wire saddle C and then pull out from the aperture part.

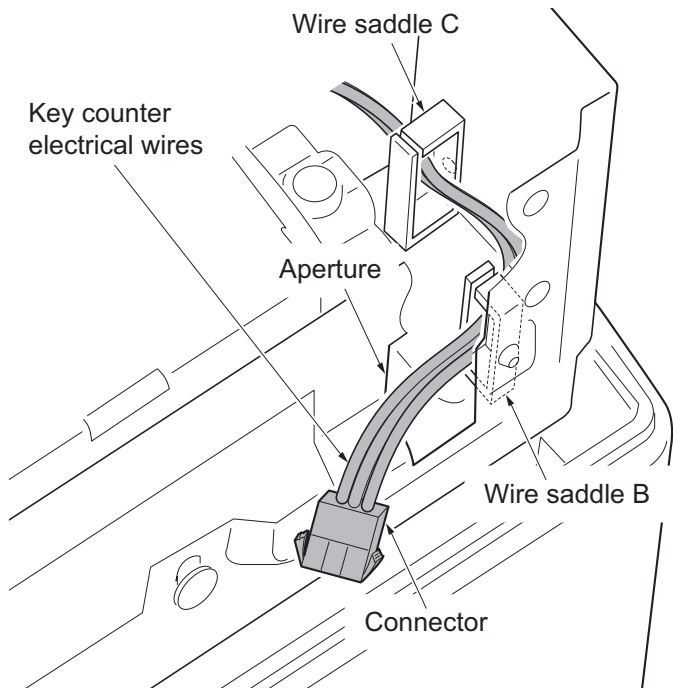


Figure 1-2-25

15. Pass the key counter electrical wires through the edging.
16. Connect the connector of the key counter electrical wires to the connector of the option PWB.
17. Fit the scanner rear cover using two screws.
18. Fit the right upper cover.
 Note: Pass the connector of the key counter wire through the aperture (right side) in the right upper cover.
 Note: Be careful not to put a key counter electric wire with the upper right cover.
19. Fit the scanner right cover using two screws.

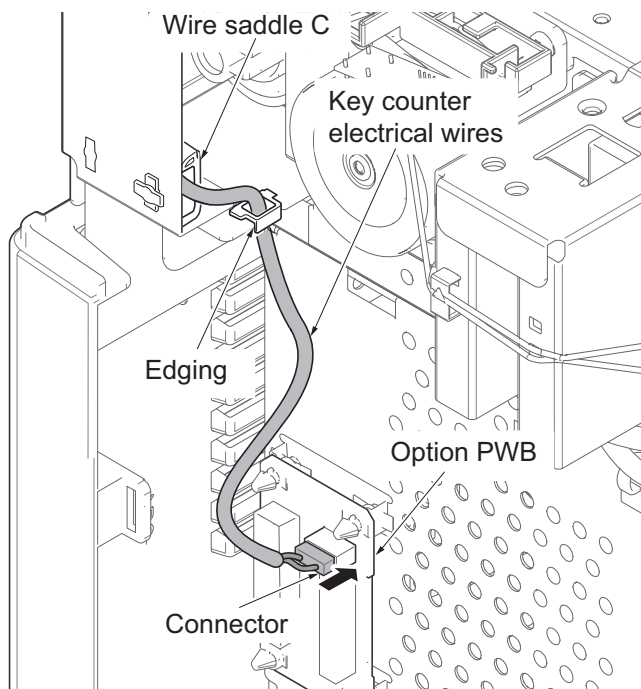


Figure 1-2-26

20. Insert the projection of the key counter cover retainer in the aperture of the right upper cover.
21. Fit the key counter cover retainer using the two M4 x 10 screws.

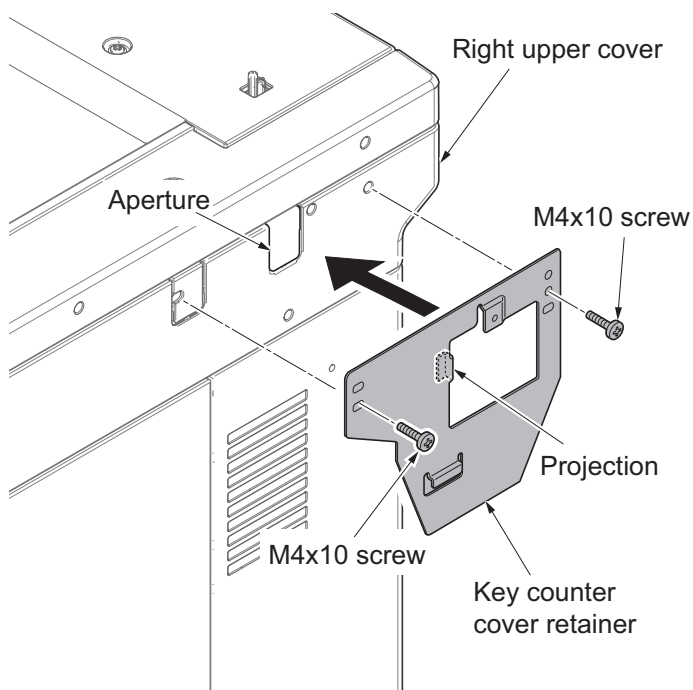
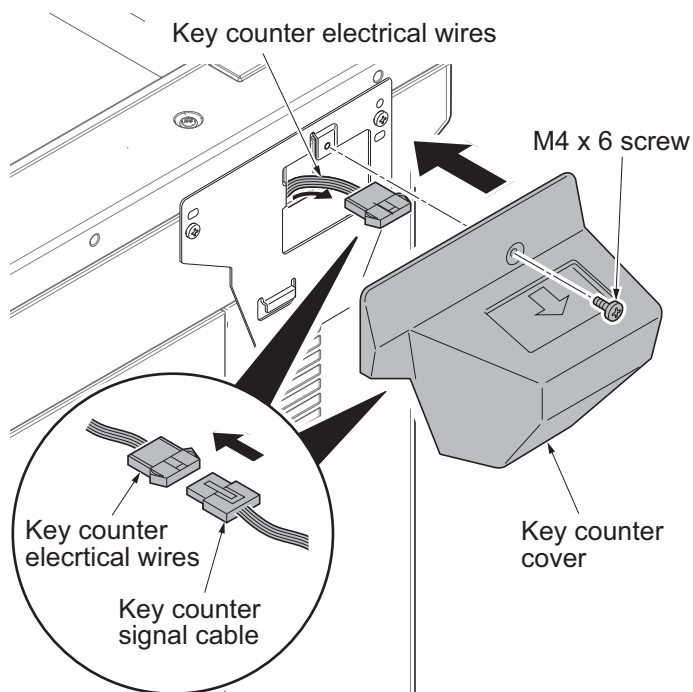
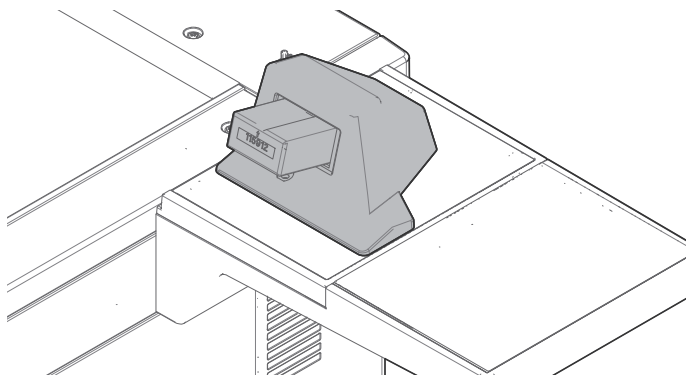


Figure 1-2-27

22. Connect the key counter signal cable to the key counter electrical wires.
23. Fit the key counter cover to the machine using the M4 x 6 screw.
24. Fit the rear cover using eight screws.
25. Insert the key counter into the key counter socket assembly.
26. Turn the main power switch on and enter the maintenance mode.
27. Run maintenance item U204 and select [Key-Counter] (see page P.1-3-93).
28. Exit the maintenance mode.
29. Check that the message requesting the key counter to be inserted is displayed on the touch panel when the key counter is pulled out.
30. Check that the counter counts up as copies are made.



(2) Mounting on the document table



Key counter installation requires the following parts

Parts	Quantity	Part.No.
Key counter	1	3025418011
Key counter set	1	302A369709
Key counter wire	1	302NP46410
Document table	1	1902LC0UN1 (option)
Wire saddle A	8	7YZM610010++H01
Wire saddle B	1	7YZM610008++H01
Wire saddle C	1	7YZM610009++H01

Supplied parts of key counter set (302A369709):

Parts	Quantity	Part.No.
Key counter socket assembly	1	3029236241
Key counter cover retainer	1	302GR03010
Key counter retainer	1	302GR03020
Key counter cover	1	3066060011
Key counter mount	1	3066060041
Edging	2	7YZM210006++H01
Band	1*	M21AH010
M3 x 8 tap-tight P screw	1*	5MBTPB3008PW++R
M4 x 10 tap-tight P screw	2*	5MBTPB4010PW++R
M4 x 10 tap-tight S screw	2*	5MBTPB4010TW++R
M3 x 6 bronze flat-head screw	2	7BB003306H
M4 x 20 tap-tight S screw	2	7BB100420H
M3 nut	1	7BC1003055++H01
M3 x 8 bronze binding screw	1*	B1B03080
M4 x 30 tap-tight S screw	1*	B1B54300
M4 x 6 chrome TP screw	5	B4A04060

Parts	Quantity	Part.No.
M4 x 10 chrome TP screw	2*	B4A04100

Supplied parts of document table (1902LC0UN1)

Parts	Quantity	Part.No.
Tray stay	1	-
Tray mount	1	-
Tray cover	1	302LC04601
Tray lower cover	1	302LC04710
Tray retainer	1*	-
Sheet	2	302LC04660
Pin	2	303NS24410
M4 nut	2*	3CY06030
M4 x 8 screw	7	7BB180408H
M4 x 10 screw	2	7BB607410H
M4 x 14 screw	2*	7BB607414H

* : Not used in this model.

: One piece is used in this model.

: Six pieces are used in this model.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.

2. Fit the key counter socket assembly to the key counter retainer using two screws and nut.

Note: Take out the wire from the central portion of the key counter retainer, as shown in a figure.

3. Fit the key counter mount to the key counter cover using two screws.
4. Fit the key counter retainer to the key counter mount using two screws.

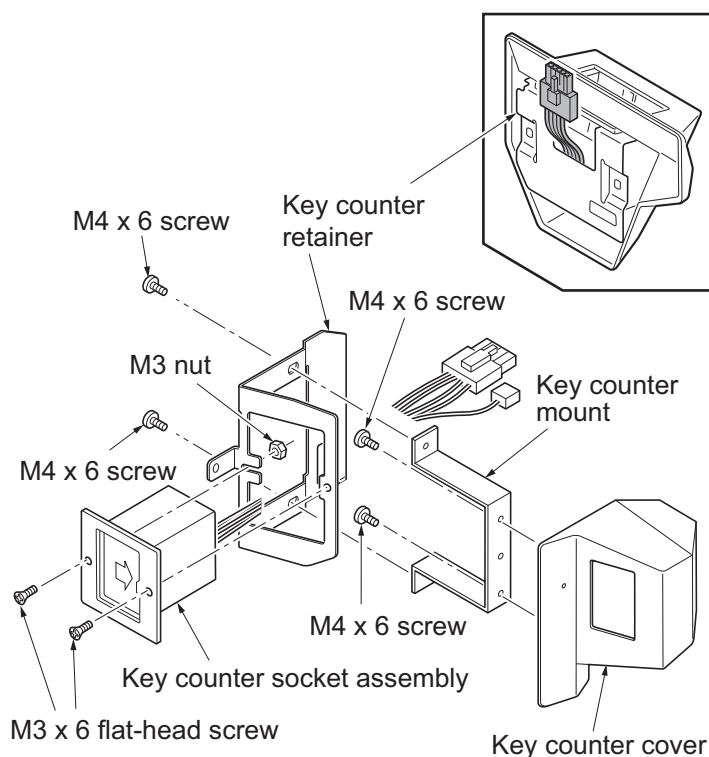


Figure 1-2-29

5. Remove eight screws.
6. Pull the rear cover upwards and then release three hooks.
7. Remove the rear cover.

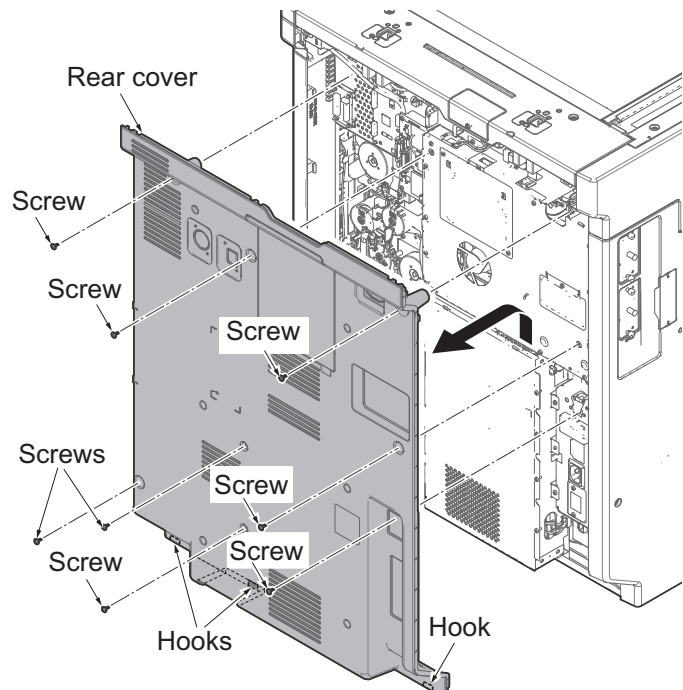


Figure 1-2-30

8. Remove two screws and then remove the ISU right cover.
9. Remove the right upper cover.

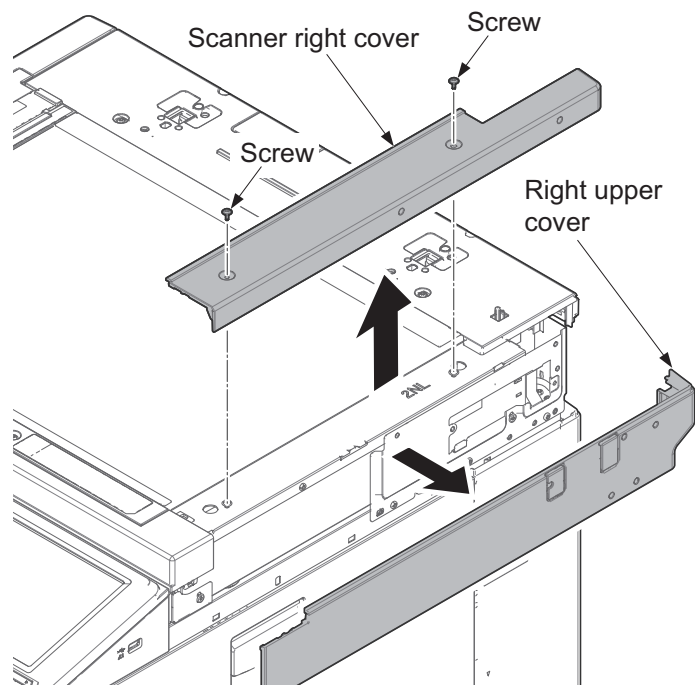


Figure 1-2-31

10. Cut out four ribs of the aperture plate (left side) on the right upper cover using nippers.

Note: Cut off the rib (lower part) certainly so that a projection does not remain.

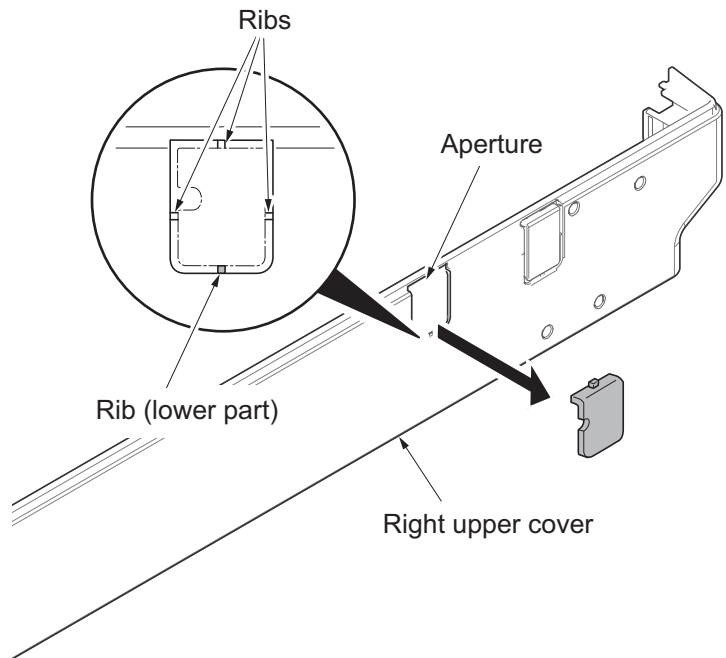


Figure 1-2-32

11. Remove two screws and then remove the scanner rear cover.

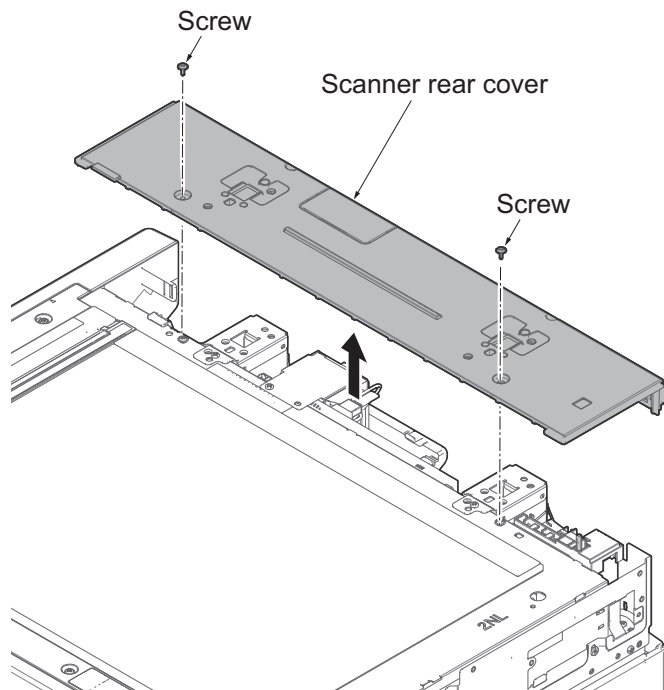


Figure 1-2-33

12. Attaches the wire saddle B and the wire saddle C to right upper section of the machine and then release two hooks of the thir.
13. Attach the edging to the aperture part.

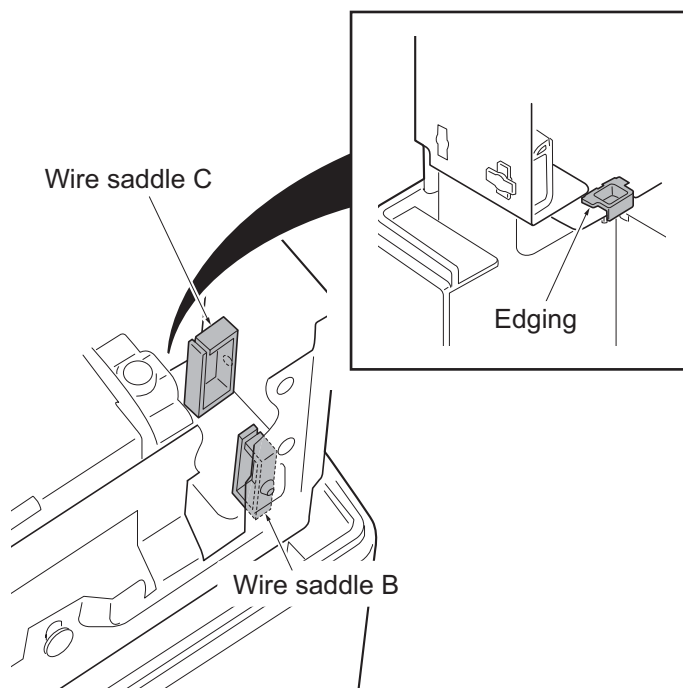


Figure 1-2-34

14. Pass the key counter electrical wires through the wire saddle B and the wire saddle C and then pull out from the aperture part.
15. Pass the key counter wire through the edging.

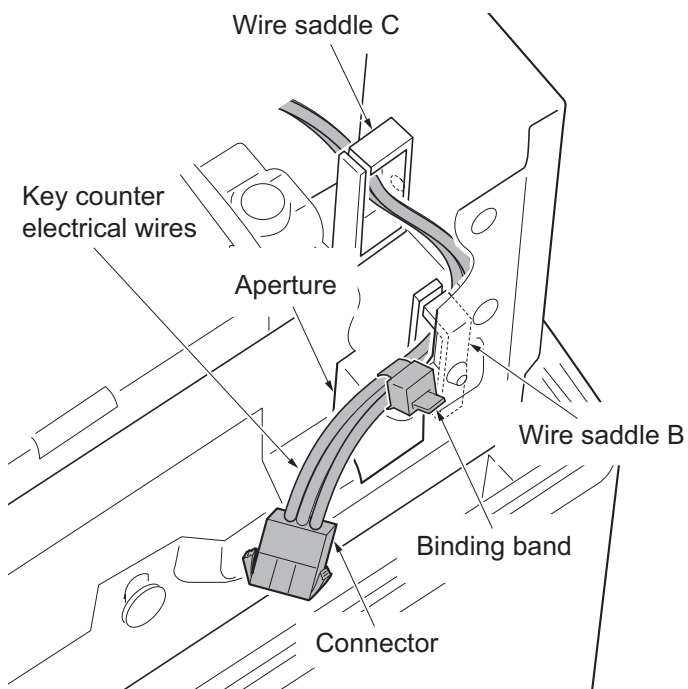


Figure 1-2-35

16. Pass the key counter electrical wires through the edging.
17. Connect the connector of the key counter electrical wires to the connector of the option PWB.
18. Fit the scanner rear cover using two screws.
19. Fit the right upper cover.
 - Note: Pass the connector of the key counter wire through the aperture (right side) in the right upper cover.
 - Note: Be careful not to put a key counter electric wire with the upper right cover.
20. Fit the scanner right cover using two screws.

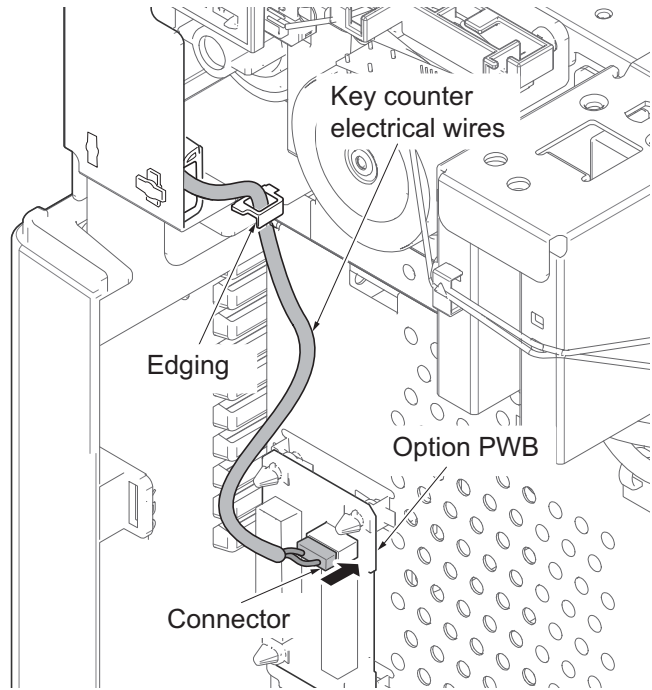


Figure 1-2-36

21. Fit the tray stay to the scanner right cover using two screws.

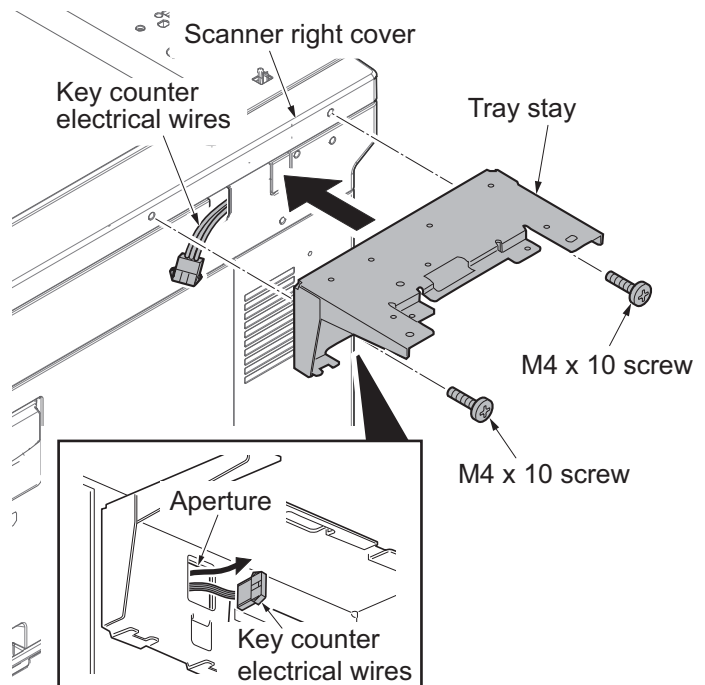


Figure 1-2-37

22. Snap in the tray mount to the tray stay and fix using two screws.

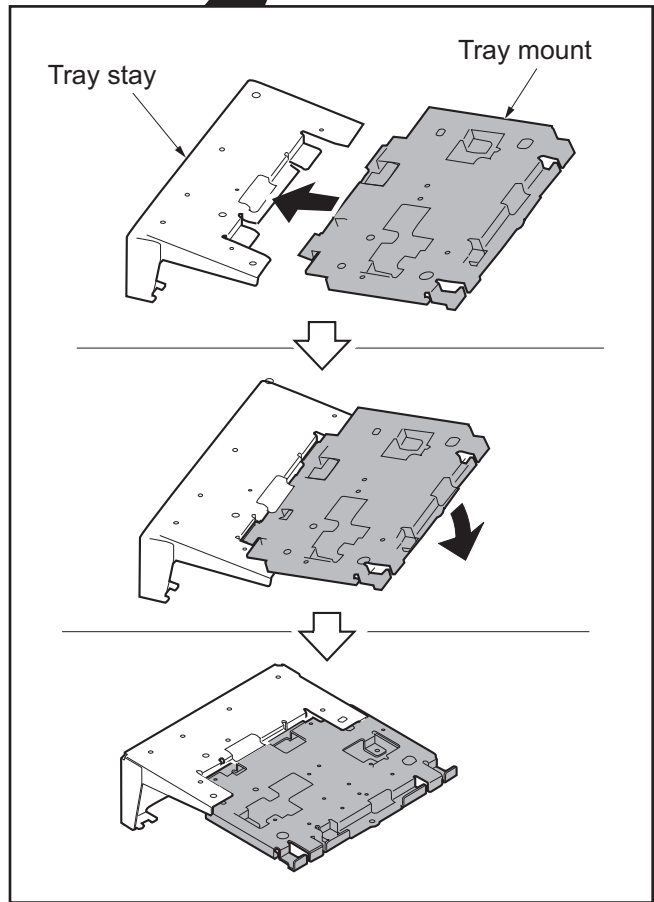
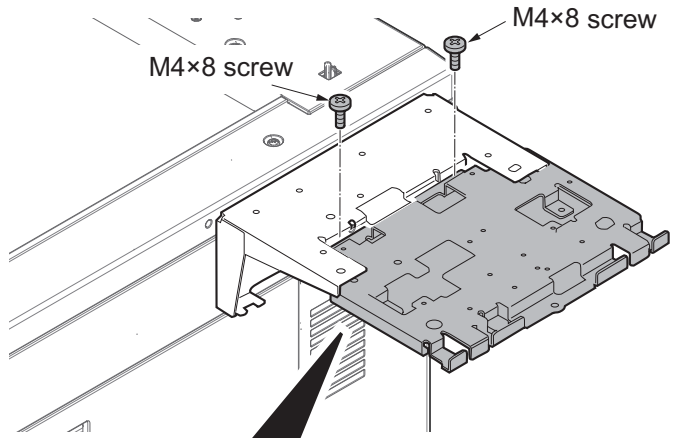


Figure 1-2-38

- 23. Cut out the aperture plate on the tray cover using nippers.
- 24. Fit the tray cover to the tray stay using four screws.

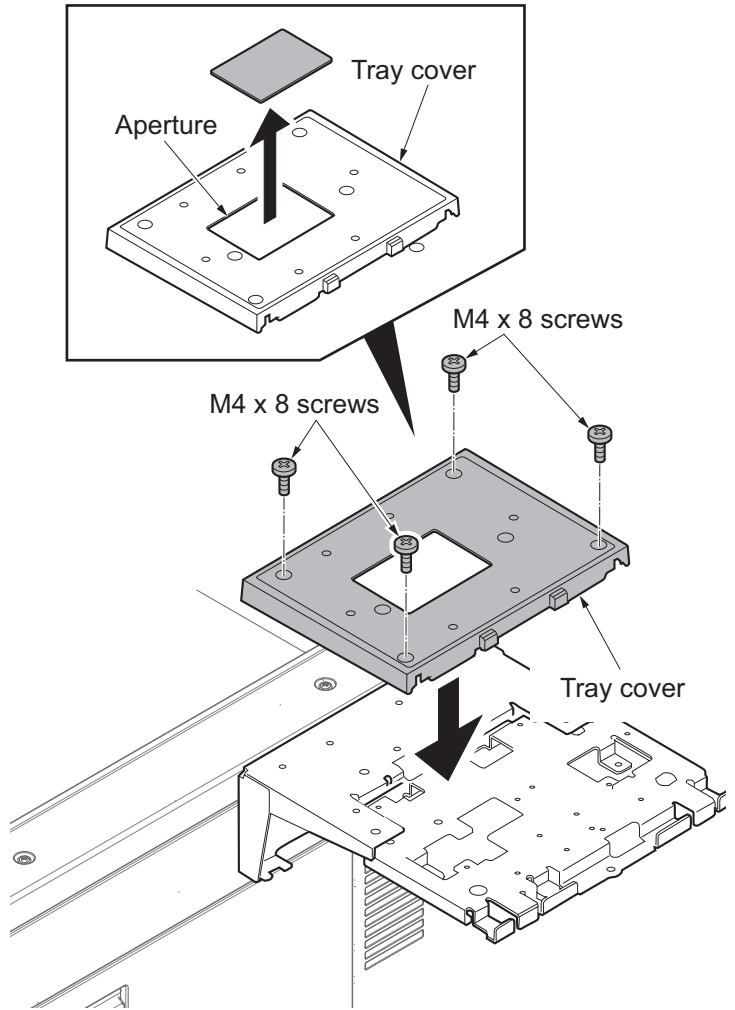


Figure 1-2-39

- 25. Fit the key counter cover retainer using two screws.

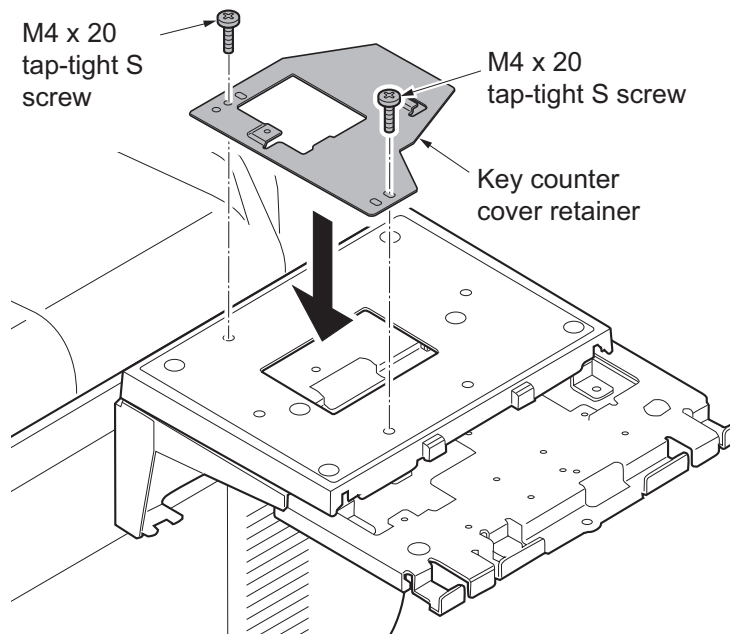


Figure 1-2-40

26. Pass the key counter signal cable through the aperture in the document table.
27. Fit the key counter cover to the document table using the screw.
28. Connect the key counter signal cable to the key counter electrical wire.

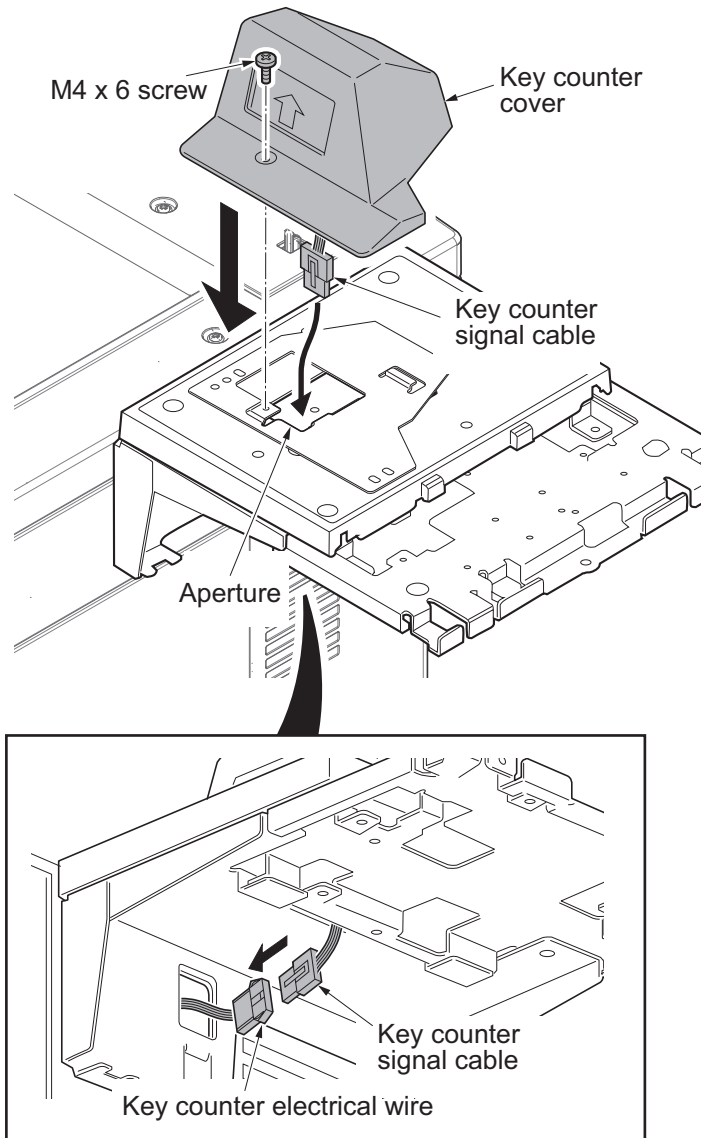


Figure 1-2-41

29. Fit the tray lower cover.

Note: Install the key counter signal cable and key counter electrical wire so that they are held behind the tray lower cover.

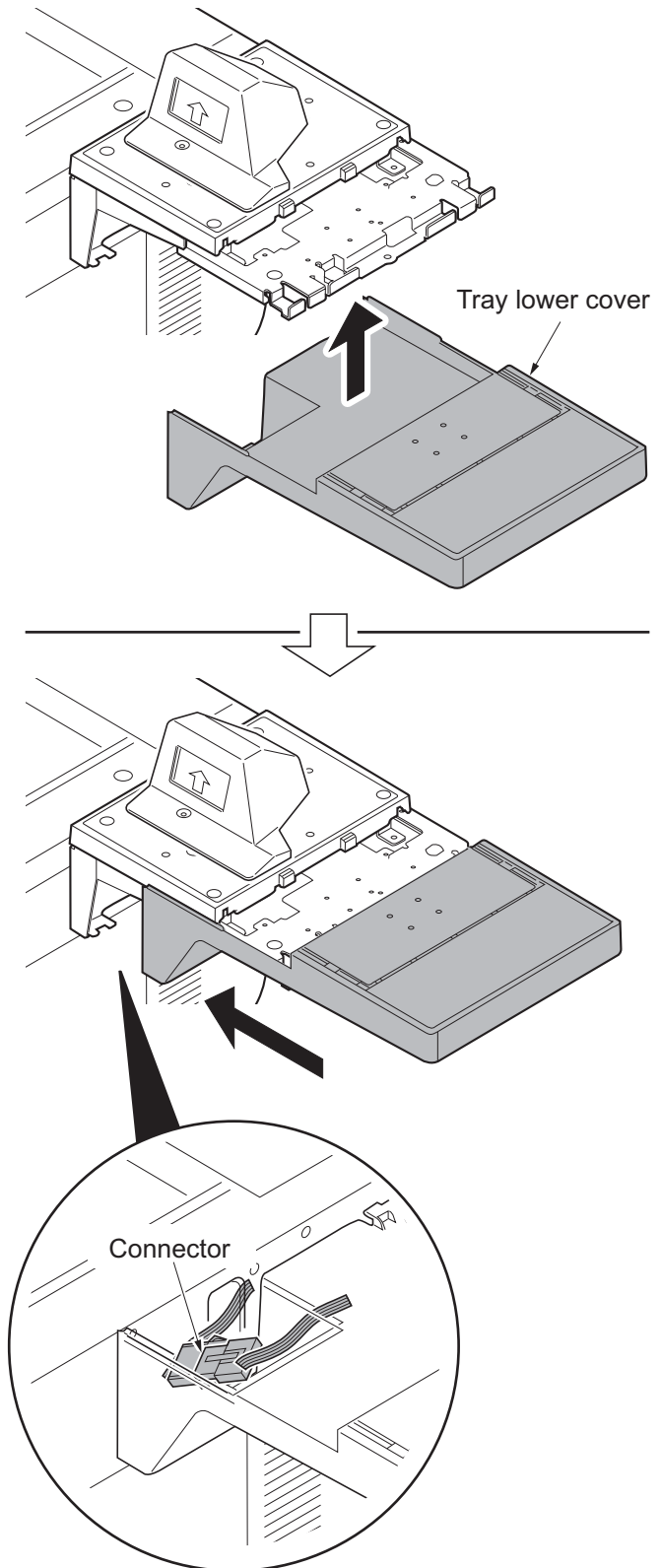


Figure 1-2-42

30. Secure the tray lower cover with two pins.

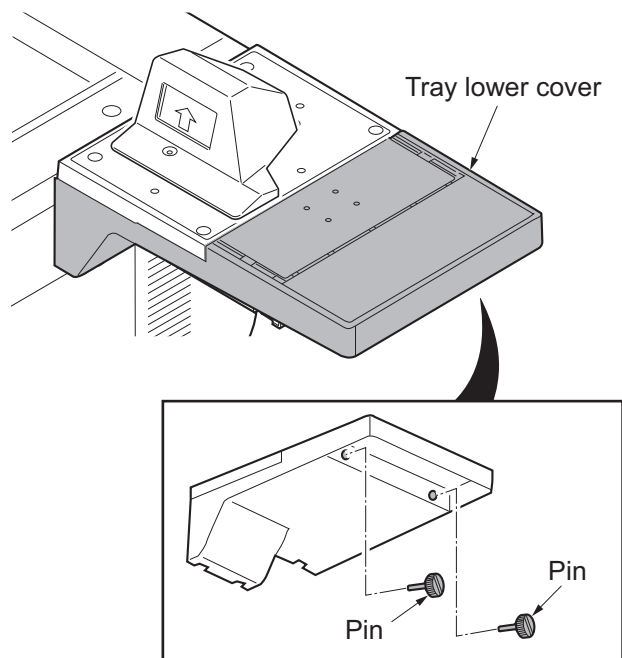


Figure 1-2-43

31. Adhere the sheet onto right side of the document table.
 32. Fit the rear cover using eight screws.
 33. Insert the key counter into the key counter socket assembly.
 34. Turn the main power switch on and enter the maintenance mode.
 35. Run maintenance item U204 and select [Key-Counter] (see page P.1-3-93).
 36. Exit the maintenance mode.
 37. Check that the message requesting the key counter to be inserted is displayed on the touch panel when the key counter is pulled out.
 38. Check that the counter counts up as copies are made.

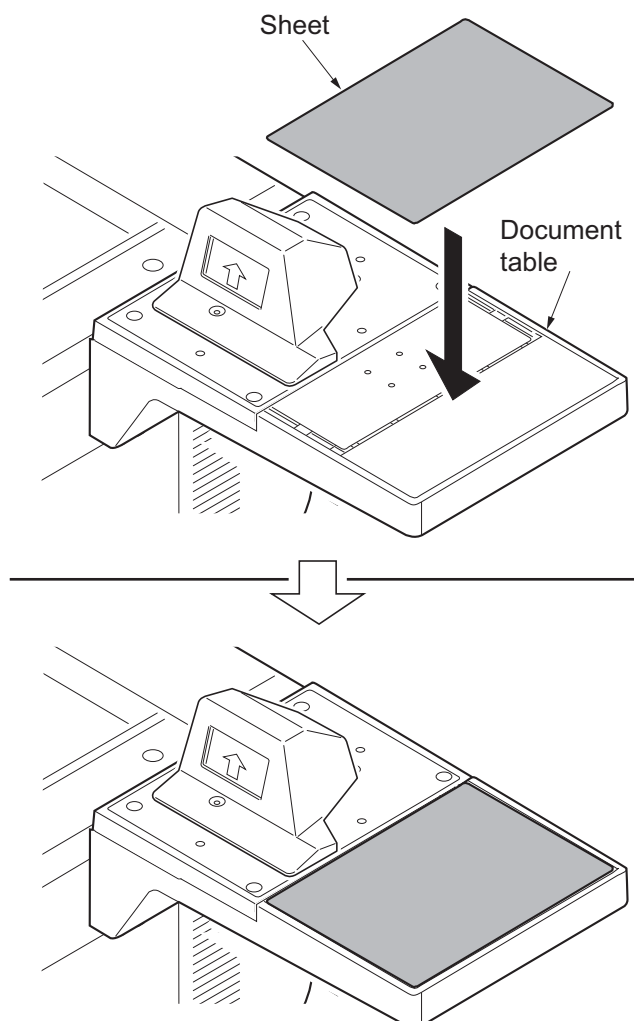


Figure 1-2-44

1-2-5 Installing the gigabit ethernet board (option)

Gigabit ethernet board installation requires the following parts:

Parts	Quantity	Part.No.
Gigabit ethernet board	1	1505JV0UN0 (option)

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove two pins and then remove the slot cover of the OPT2.

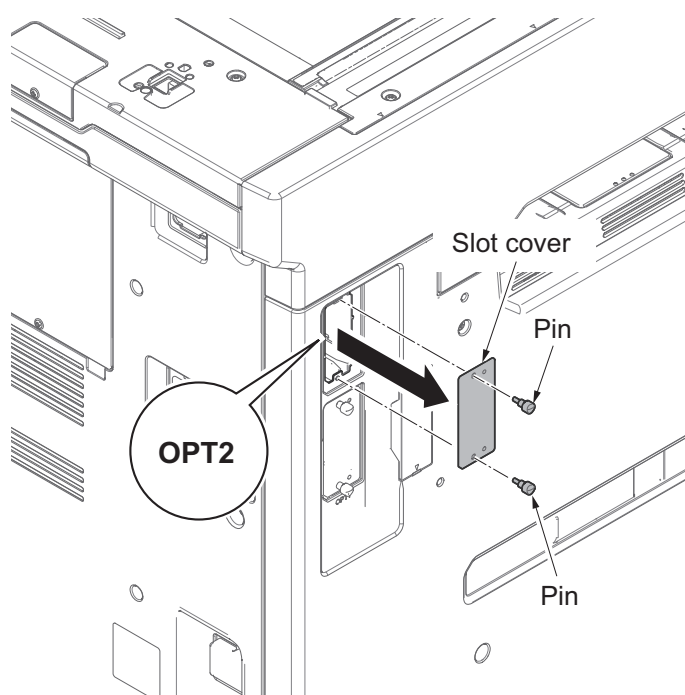


Figure 1-2-45

3. Insert the gigabit ethernet board along the groove in OPT2 and secure the board with two pins that have been removed in step 2.

Caution: Do not directly touch the gigabit ethernet board terminal.

Hold the top and bottom of the gigabit ethernet board, or the projection of the board to insert the gigabit ethernet board.

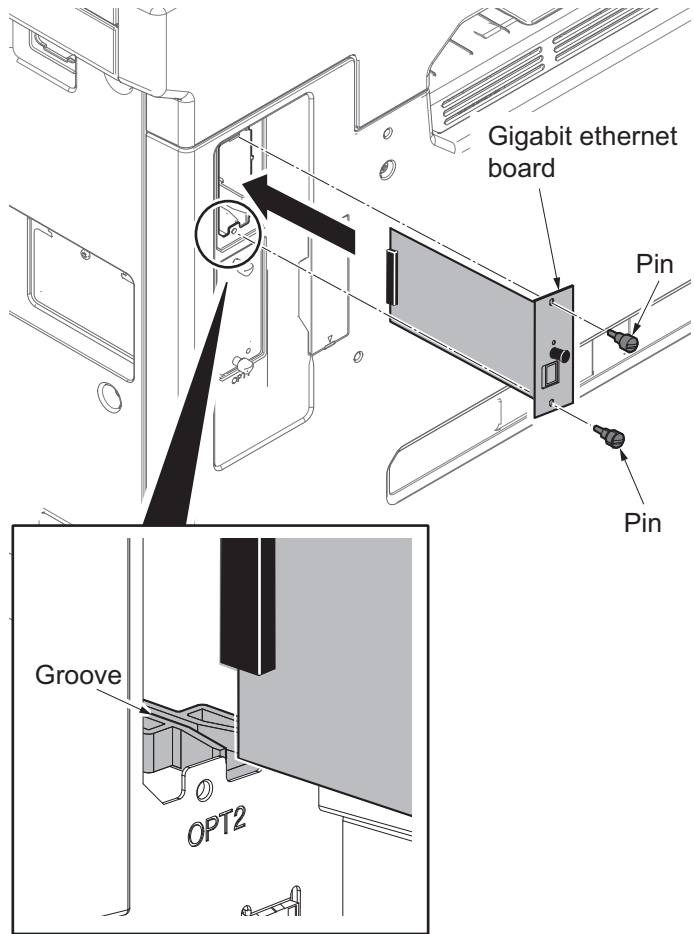


Figure 1-2-46

4. Plug the modular connector cable into the line terminal,

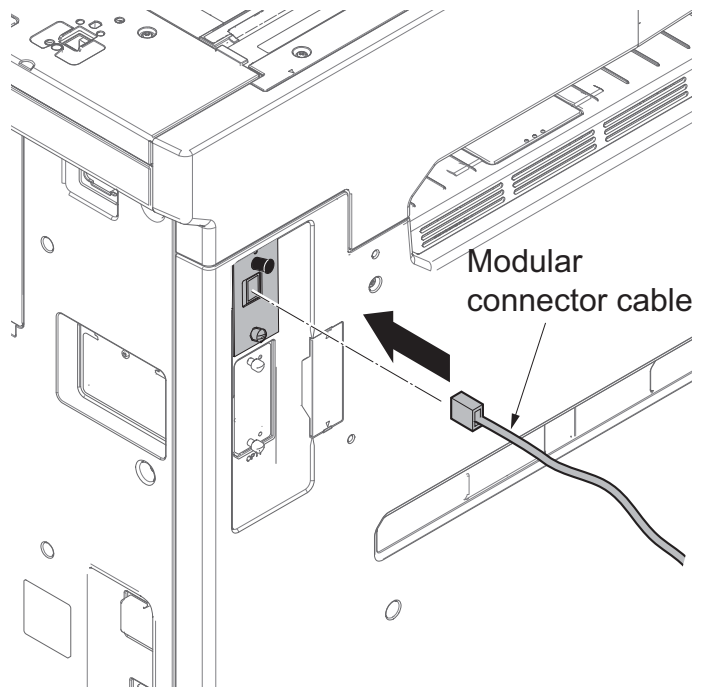


Figure 1-2-47

1-2-6 Installing the IC card reader holder (option)

IC card reader holder installation requires the following parts:

Parts	Quantity	Part.No.
IC card reader holder	1	1709AD0UN1 (option)

Supplied parts of IC card reader holder (1709AM0UN1):

Parts	Quantity	Part.No.
IC card reader holder	1	-
Label	1	-
Bundling band	1*	-
Hook and loop fastener	2	-
Spacer	2	-

* : Not used in this model.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove the staple holder.
3. Remove a screw and then remove the staple cover.

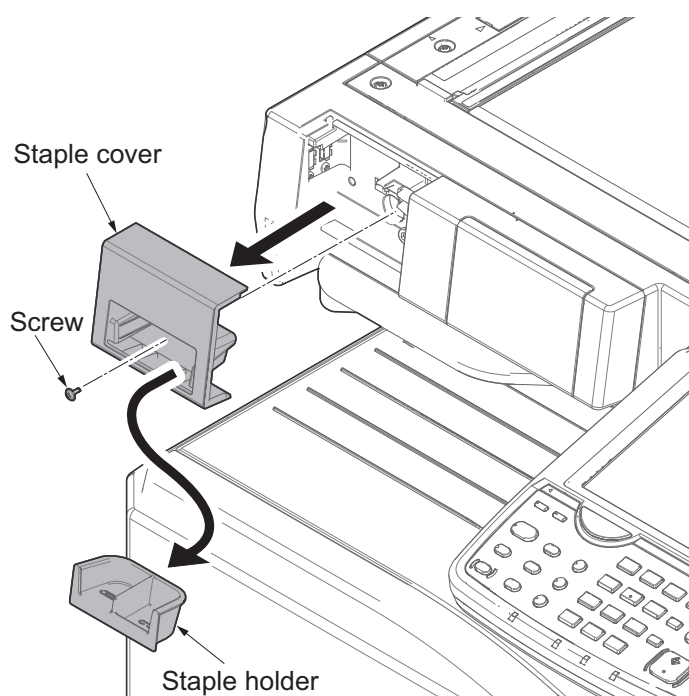


Figure 1-2-48

4. Release the lock part and remove the upper cover B.

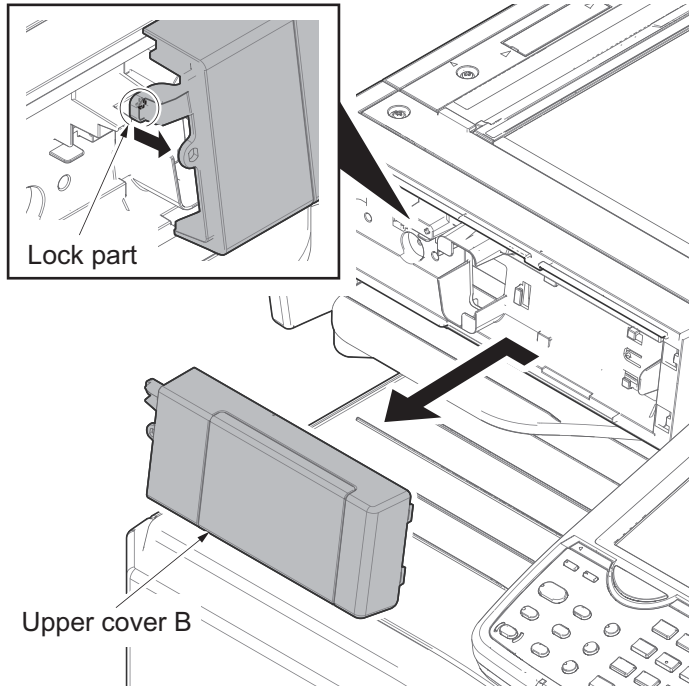


Figure 1-2-49

5. The mounting procedure differs depending type of IC card readers.
Type A:
Thicker and in the same size as its holder
Continue to step 6.
Type B:
Thicker but smaller than its holder
Continue to step 8.
Type C:
Thinner and in the same size as its holder
Continue to step 11.

IC card reader

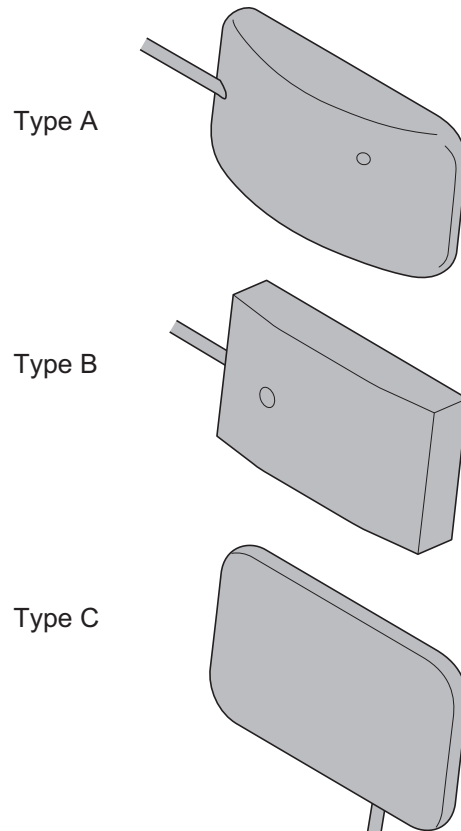
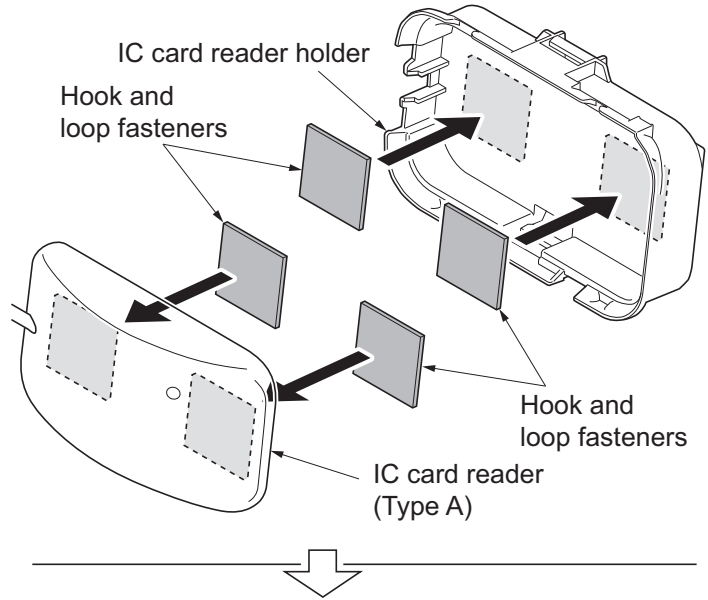


Figure 1-2-50

- 6. Affix two hook and loop fasteners to the IC card reader and IC card reader holder.



- 7. Mount the IC card reader to the IC card reader holder.

Proceed to step 10.

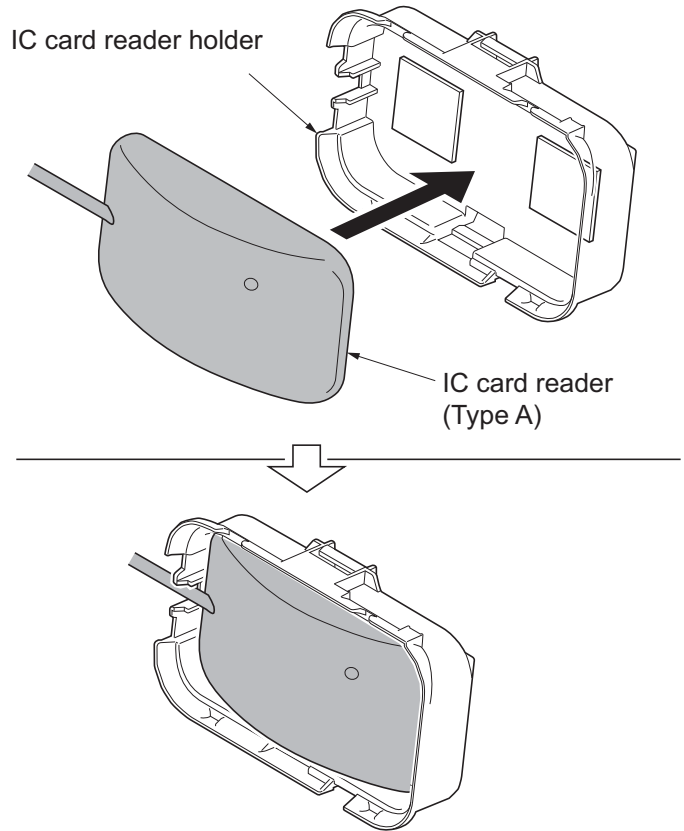
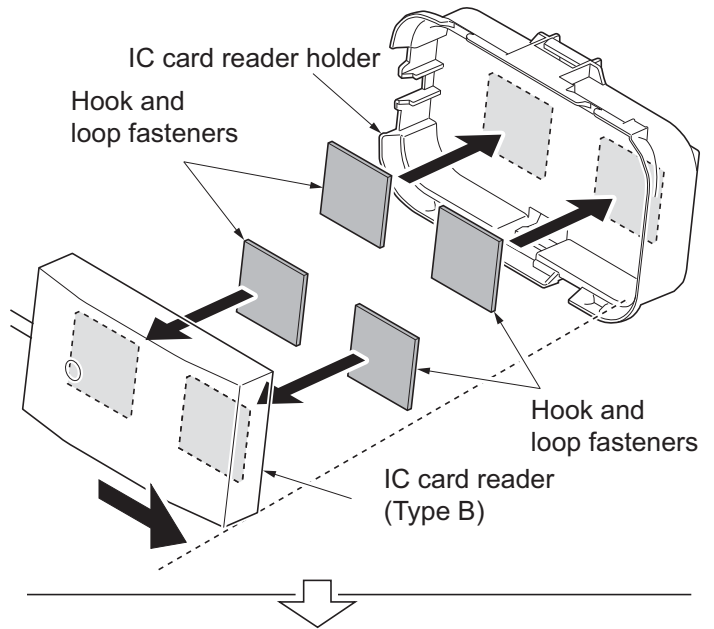


Figure 1-2-51

8. Affix two hook and loop fasteners to the IC card reader and IC card reader holder.
- *: Affix a hook and loop fastener onto the IC card reader so that it is mounted on the holder with both being flush with the right side edges.



9. Mount the IC card reader to the IC card reader holder.

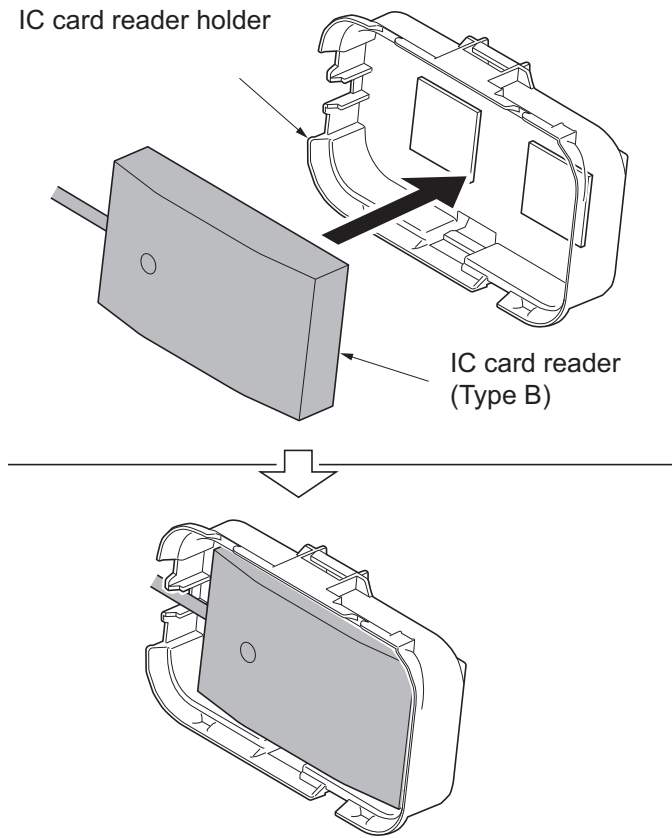


Figure 1-2-52

10. Route the USB cable from the IC card reader through the IC card reader holder ribs, wind four times around its back and route through another rib.

Proceed to step 15.

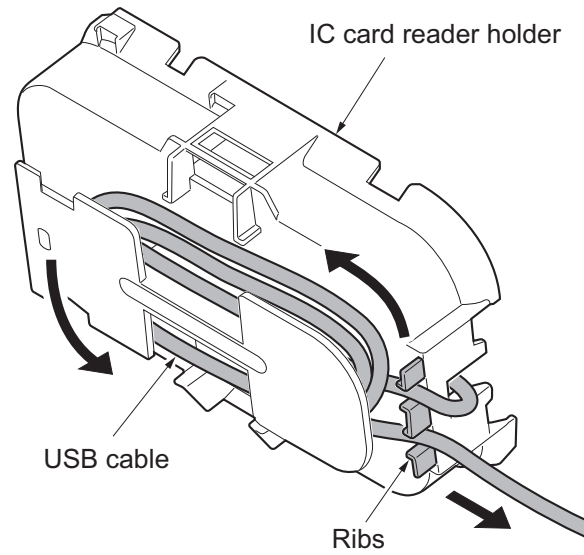
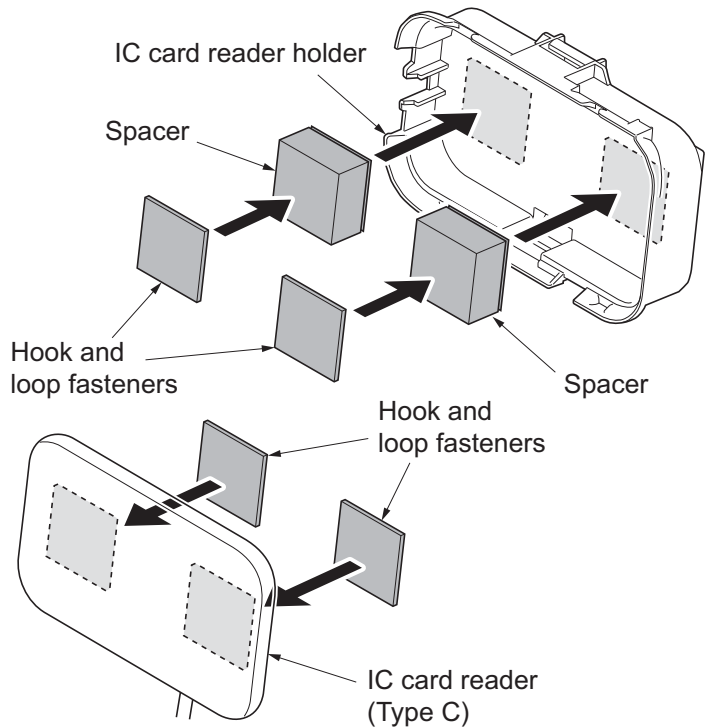


Figure 1-2-53

11. Affix two hook and loop fasteners to the IC card reader.
12. Affix a hook and loop fastener at the reverse side of the spacer where an adhesive tape has been affixed. Affix two spacers to the IC card reader.



13. Mount the IC card reader to the IC card reader holder.

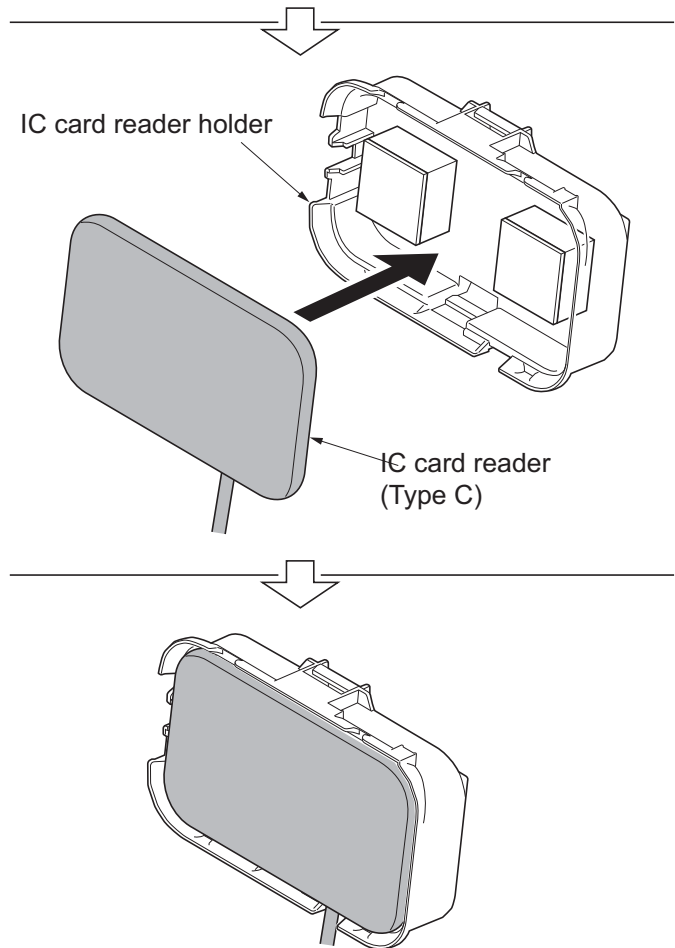


Figure 1-2-54

14. Route the USB cable from the IC card reader through the ribs at the bottom of the IC card reader holder, wind around its back, and route through the rib on the left hand side.

*: Make sure the cable will have a slack of about 15 cm.

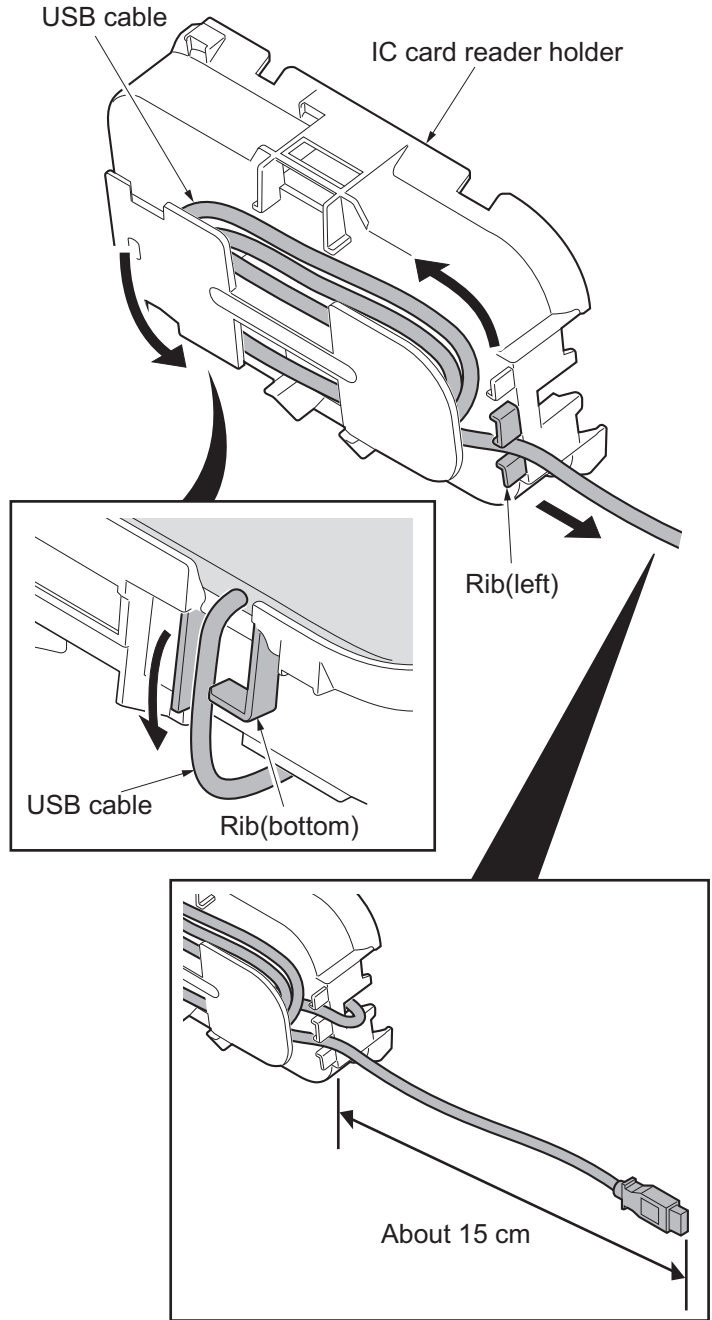


Figure 1-2-55

15. Hook the IC card reader holder onto the machine by mating the two holes on the holder with the hooks on the machine.

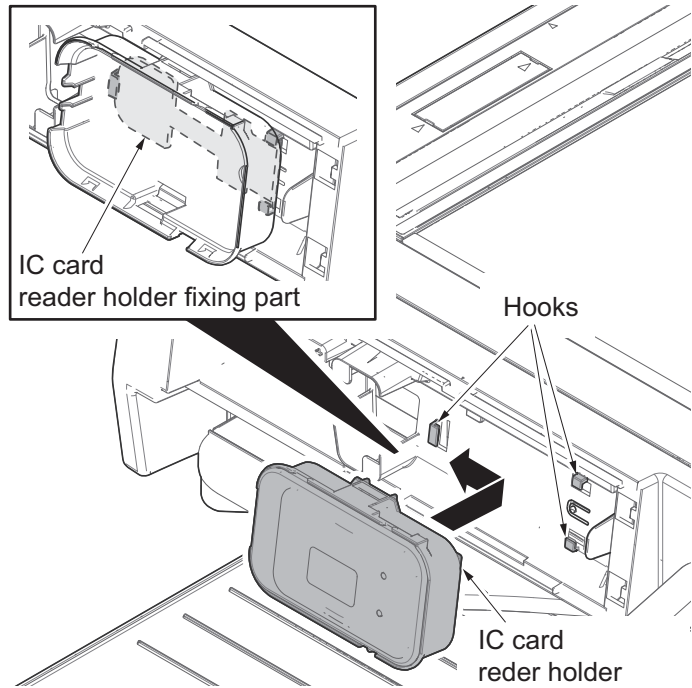


Figure 1-2-56

16. For only type A or B of the IC card reader, bundle the surplus length of the cable and insert it into the wire holder.

Note: It pushes also into the crevice between a scanner and a cover.

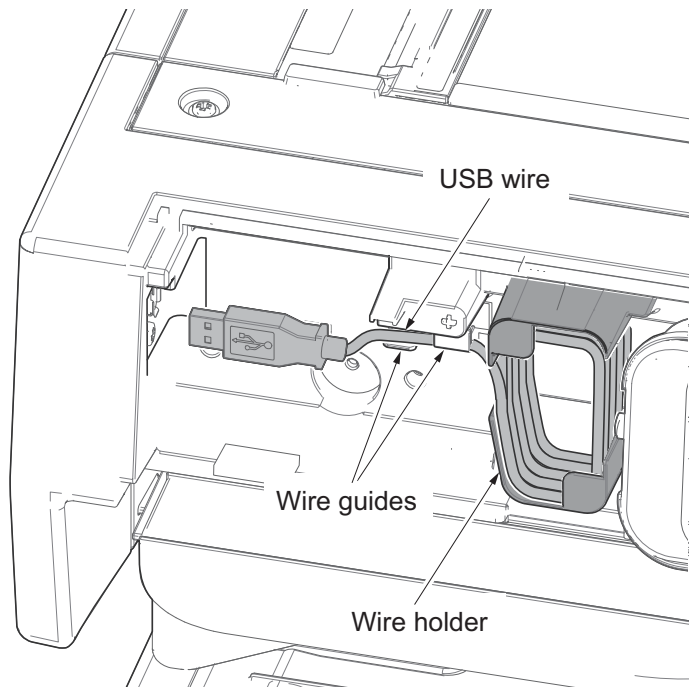


Figure 1-2-57

17. Connect the USB cable with the USB connector on the machine.
If a keyboard holder is planned to be added, connect it to the connector on the far end.

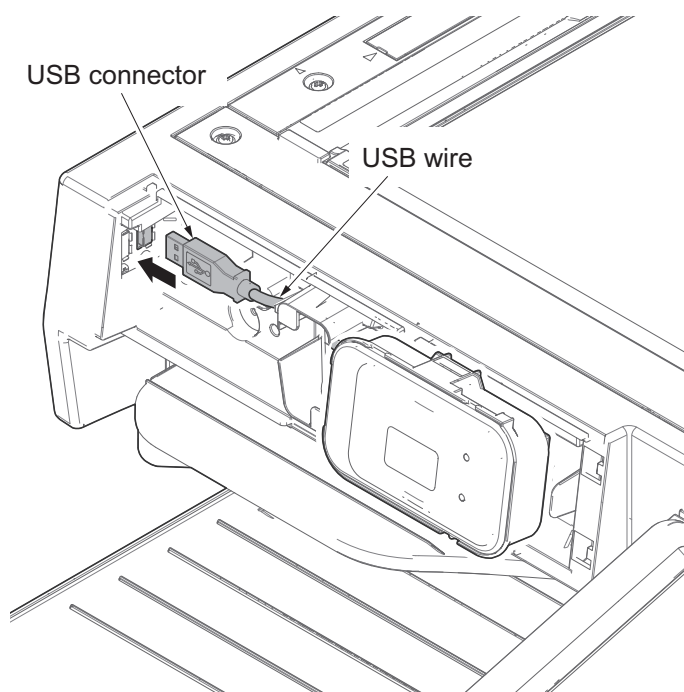


Figure 1-2-58

18. Affix a label on the upper cover B aligning it with the positioning mark.
*: Fix it by matching with a smoke of a different color.

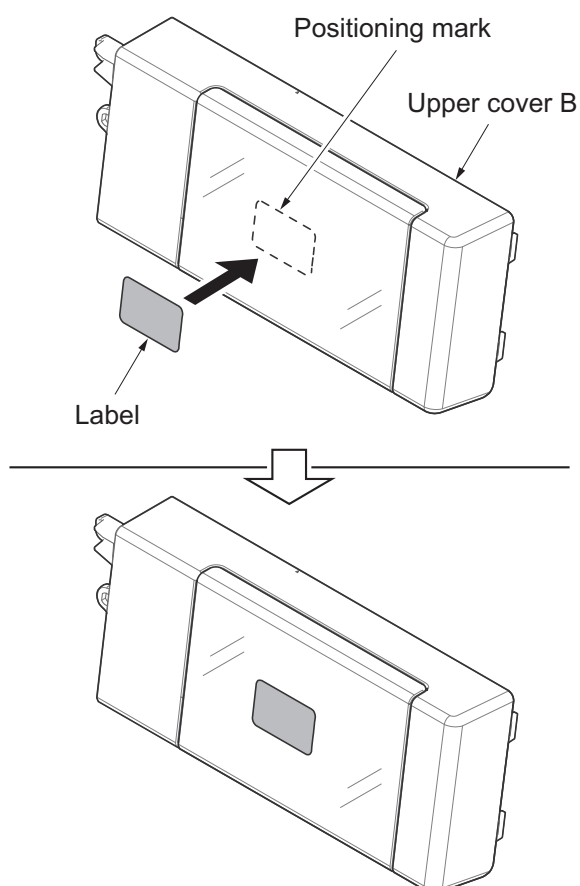


Figure 1-2-59

- 19. Fit the upper cover B by sliding and uniting two projections and two holes.

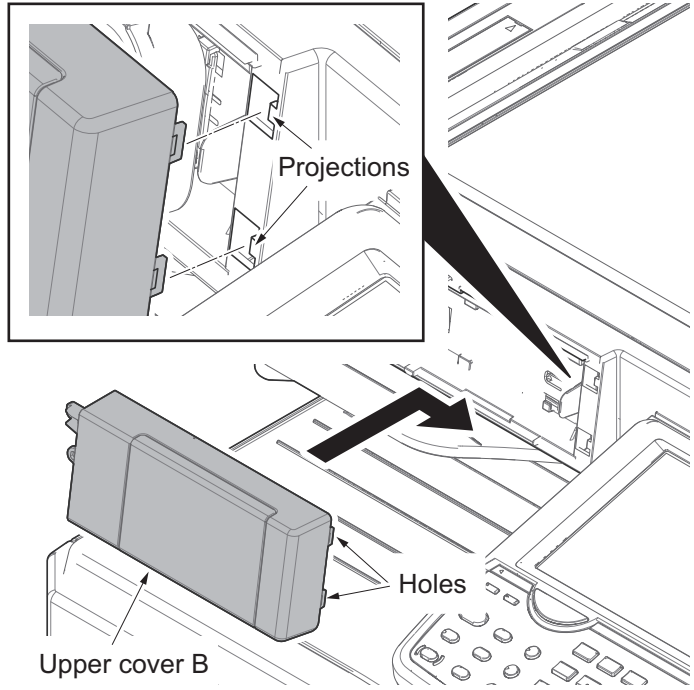


Figure 1-2-60

- 20. Replace the staple cover and the staple holder in their original positions.

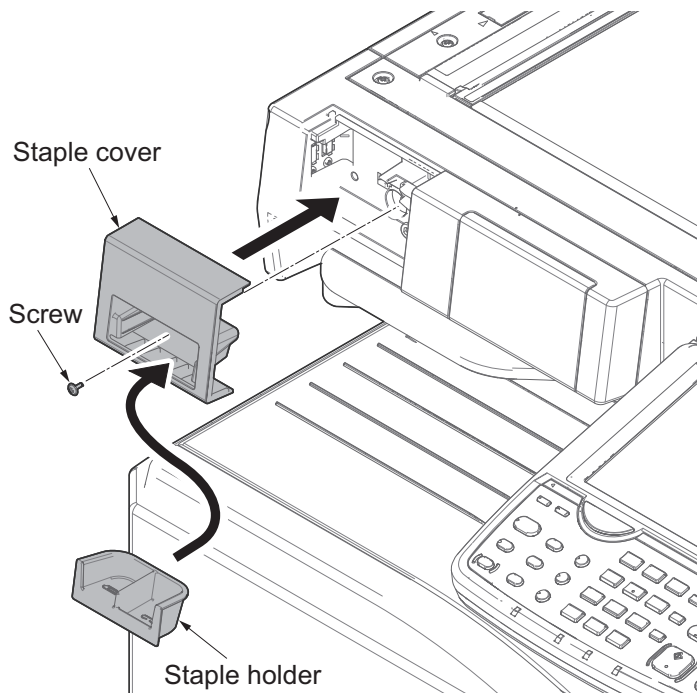


Figure 1-2-61

Enabling IC Card Authentication

Precautions

To install the optional function, you need the License Key. Please access the designated website of your dealer or service representative, and register "Machine No." indicated on your machine and "Product ID" indicated on the License Certificate supplied with the product to issue the License Key.

1. Turn the main power switch on.
2. Press the System Menu key and then press [System/Network].
If user login administration is disabled, the user authentication screen appears.
Enter your login user name and password and then press [Login]. For this, you need to log in with administrator privileges.
3. Press [Next] of Optional Function.
4. Select CARD AUTHENTICATION KIT(B) and press [Activate].
5. The License Key entry screen is displayed.
Enter the License Key using the numeric keys and press [Official].
6. Confirm the product name CARD AUTHENTICATION KIT(B) and press [Yes].
7. To use a SSFC card, run maintenance mode U222 and set SSFC.

*: When the machine has entered sleep mode with Energy Saver ON, IC cards can not be recognized by the Card reader, since it does not wake from sleep mode. To enable the IC Card Reader in Sleep Mode, refer to the Operation Guide to change the Sleep level to OFF in the Sleep Rules at the Date/Timer/ Energy Saver section of the System Menu.

*: This setting is not necessary when the optional network interface kit is installed.

1-2-7 Installing the keyboard holder (option)

Keyboard holder installation requires the following parts:

Parts	Quantity	Part.No.
Keyboard holder (B)	1	1709AF0UN1 (option)

Supplied parts of keyboard holder (B) (1709AF0UN1):

Parts	Quantity	Part.No.
Upper keyboard holder	1	-
Lower keyboard holder	1	-
Upper keyboard cover	1	-
Lower keyboard cover	1	-
Cable cover	1	-
Upper lid	1	-
Lower lid	1	-
Hook and loop fastener	2	-
Bundling band	2	-
M4 x 14 tap-tight S screw	2	-
M3 x 8 tap-tight S screw	10	-
M3 x 8 tap-tight P screw	2	-

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove the staple holder.
3. Remove a screw.

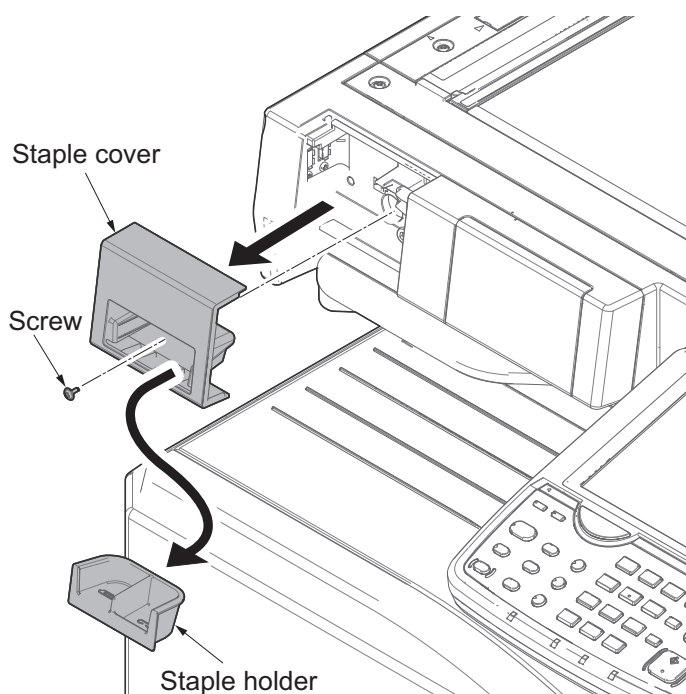


Figure 1-2-62

4. Remove a screw.

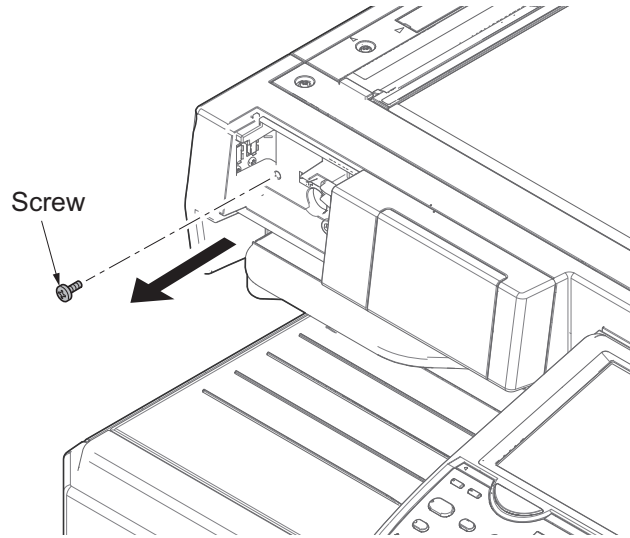


Figure 1-2-63

5. Fit the lower keyboard mounting bracket with the machine using the two S Tite screws M4 x 14

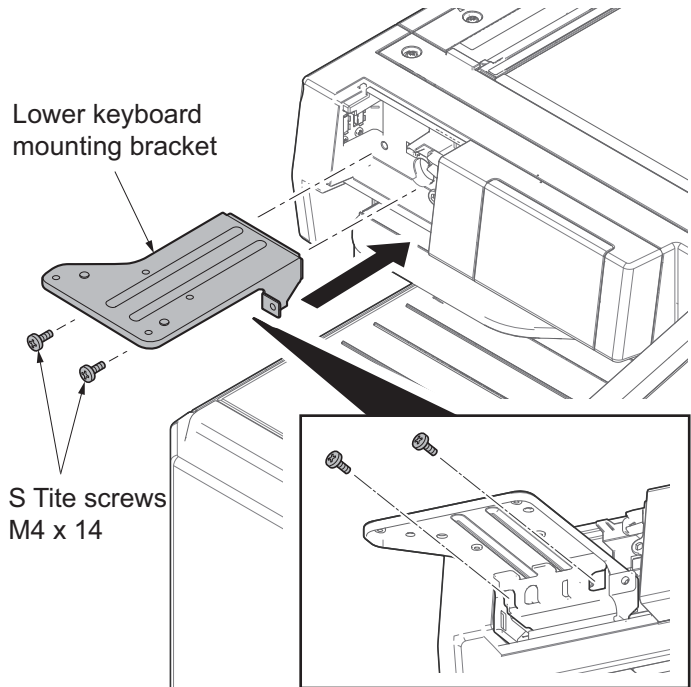


Figure 1-2-64

6. Latch the hook of the lower lid with the machine.
7. Fit the lower lid with the machine using a S Tite screws M3 x 8.

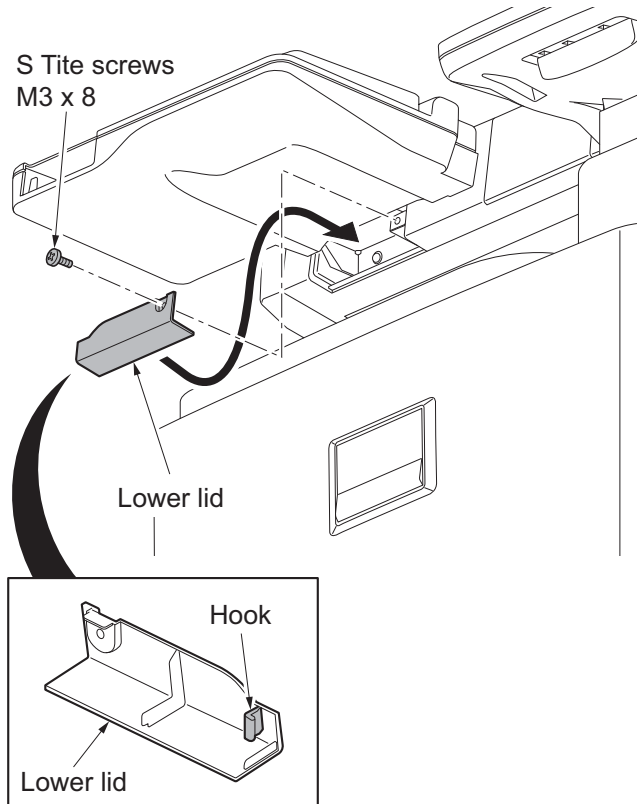


Figure 1-2-65

8. Fix the upper keyboard mounting bracket onto the lower keyboard mounting bracket using the four S Tite screws M3 x 8. Align them with each other at the mark B.

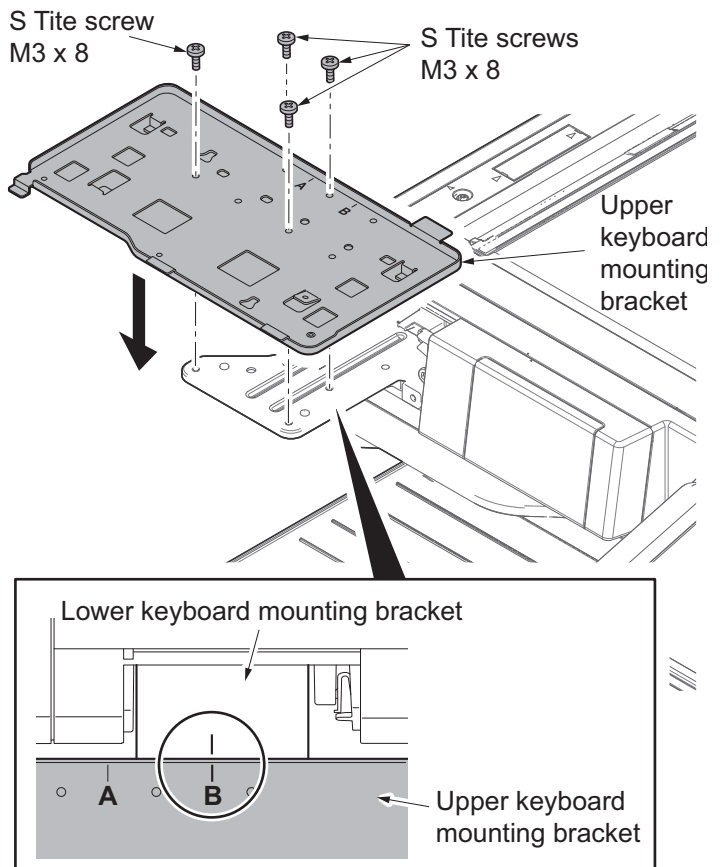


Figure 1-2-66

- 9. Cut out the cutaway portion of the lower keyboard cover by using a pair of nip-pers.

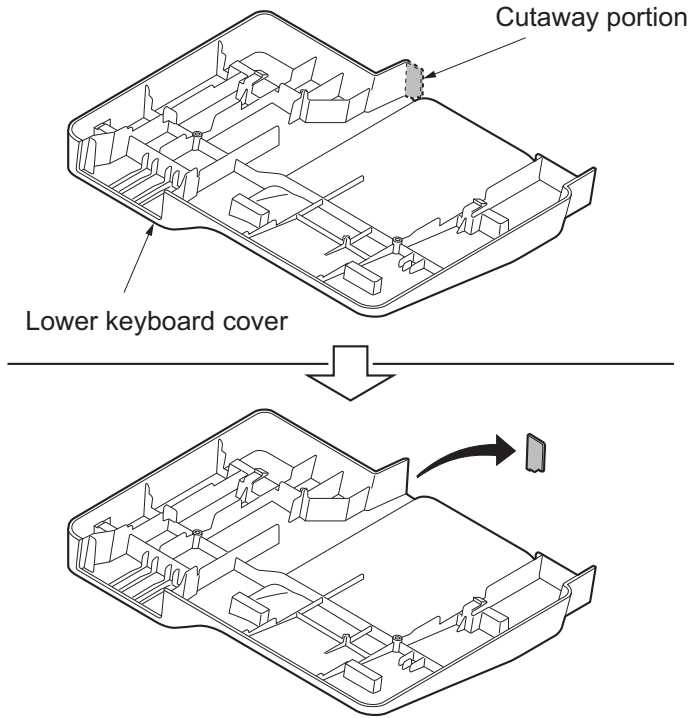


Figure 1-2-67

- 10. Insert the two positioning pins at the bottom of the lower keyboard cover in the holes on the keyboard mounting bracket, and slide towards the rear.
- 11. Latch the lower keyboard cover with the upper keyboard mount by the five hooks.

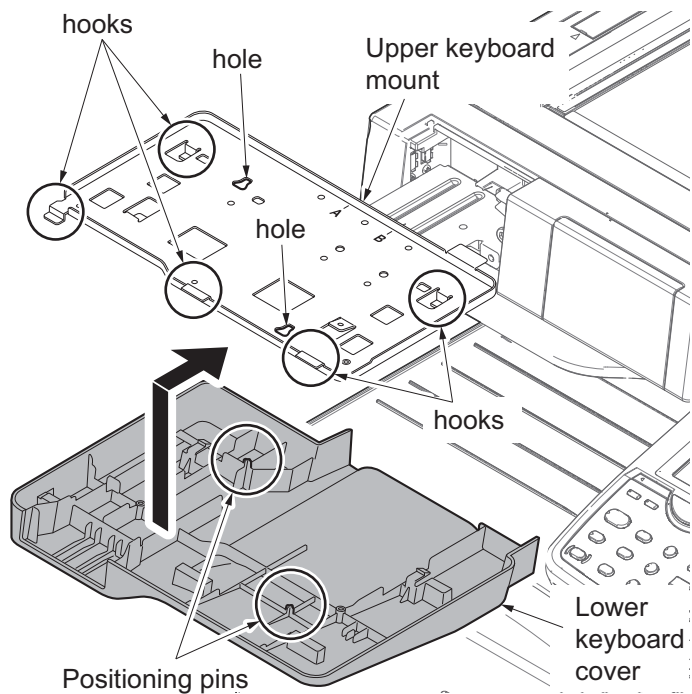


Figure 1-2-68

12. Fix the lower keyboard mounting bracket onto the upper keyboard mounting bracket using the two P Tite screws M3 x 8.

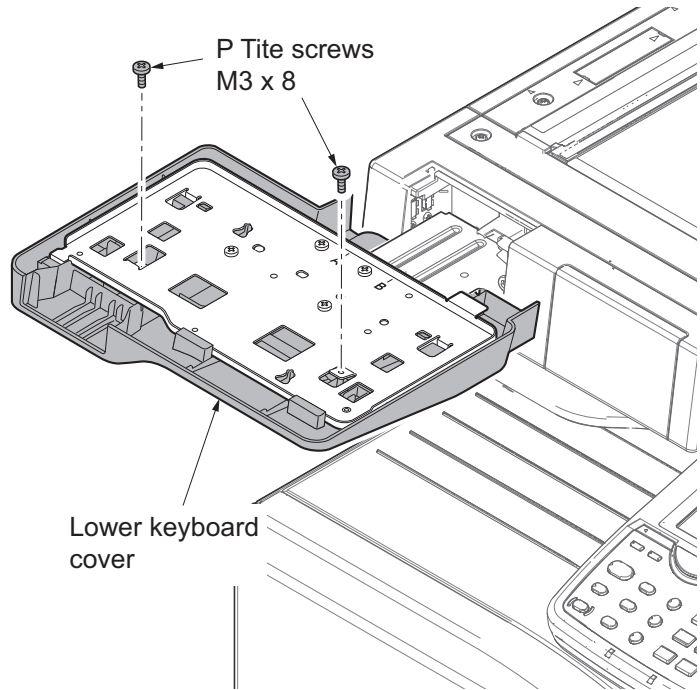


Figure 1-2-69

13. Fix the lower keyboard mounting bracket onto the upper keyboard mounting bracket using the two P Tite screws M3 x 8.

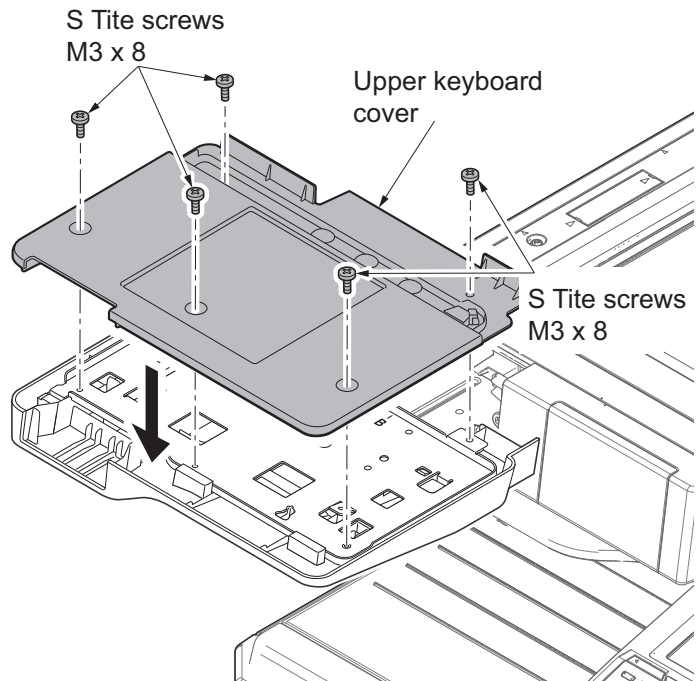


Figure 1-2-70

14. Affix two pieces of hook and loop fasteners on the upper keyboard cover.

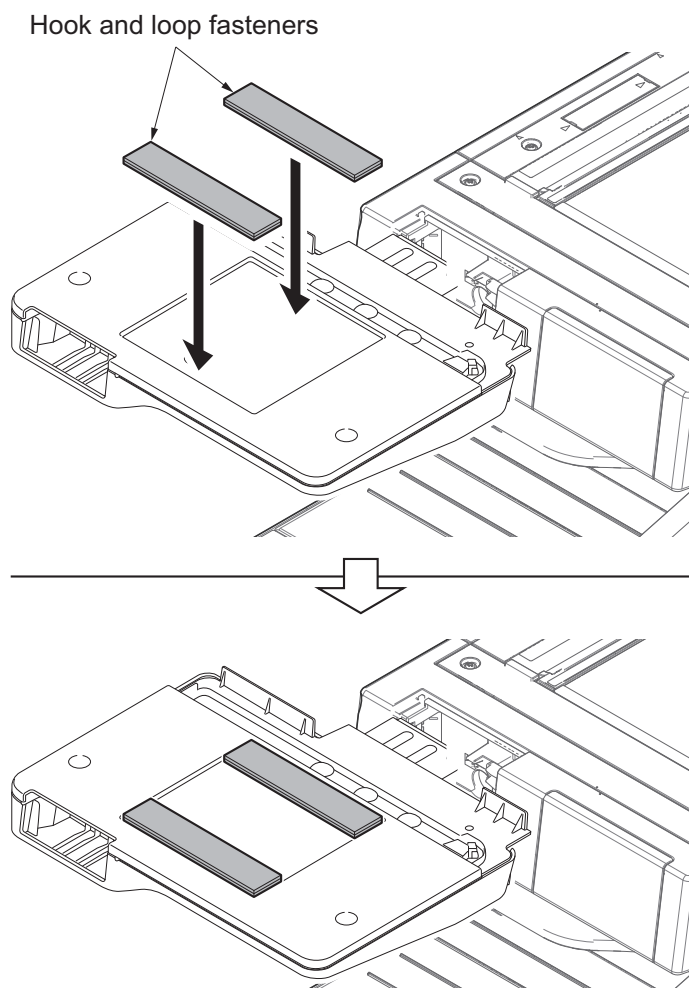


Figure 1-2-71

15. Fix the keyboard with the hook and loop fasteners.
16. Connect the USB cable with the USB connector on the machine.

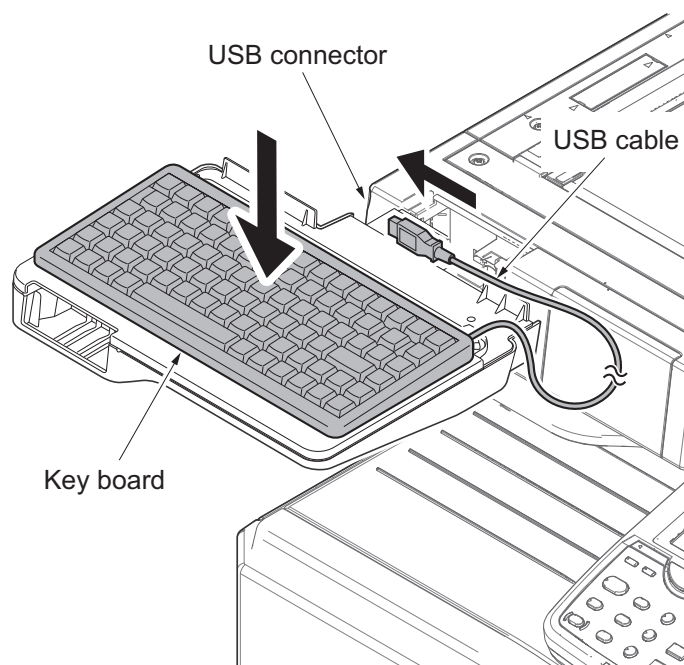


Figure 1-2-72

17. Bundle the surplus length of the cable with two bundling bands and hook it on the hook of the upper keyboard cover.

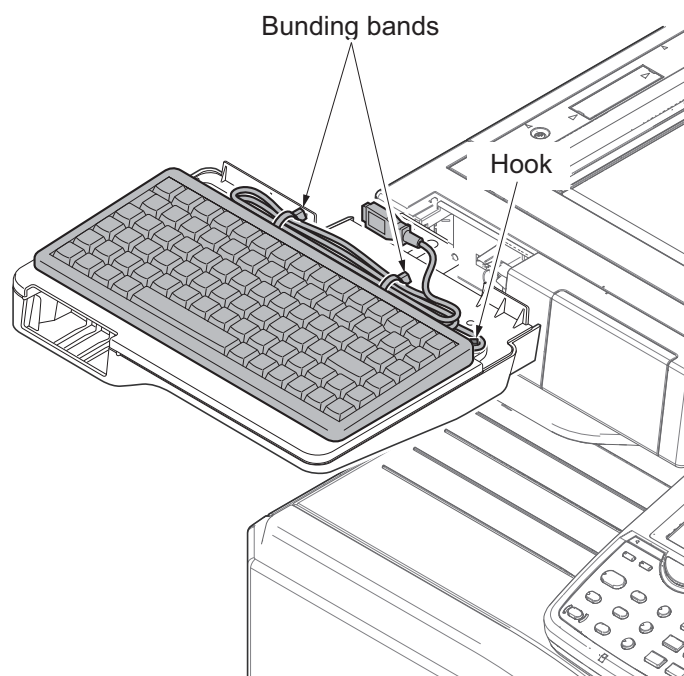


Figure 1-2-73

18. Slide the upper lid and fix in the machine.

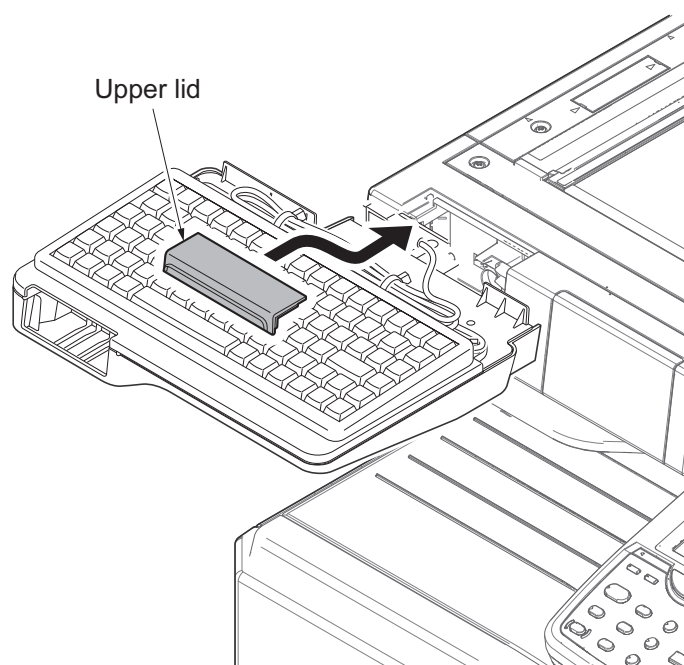


Figure 1-2-74

- 19. Fix the cable cover on the machine.
Latch the three hooks at the near end and press the hooks downwards to mate with the holes at the far end.

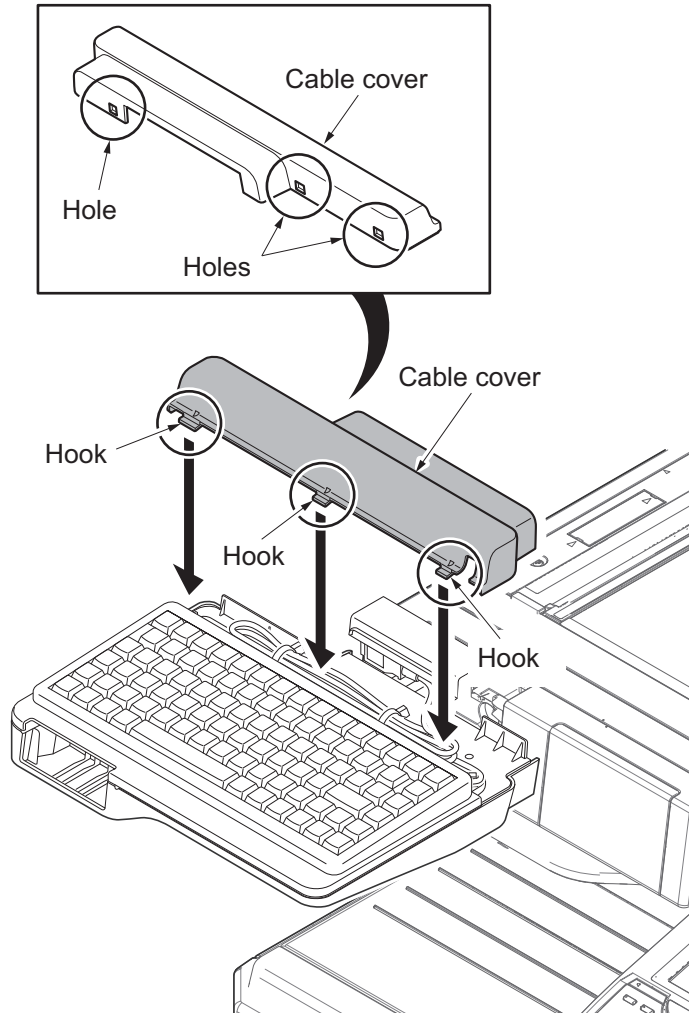


Figure 1-2-75

- 20. Replace the staple holder.

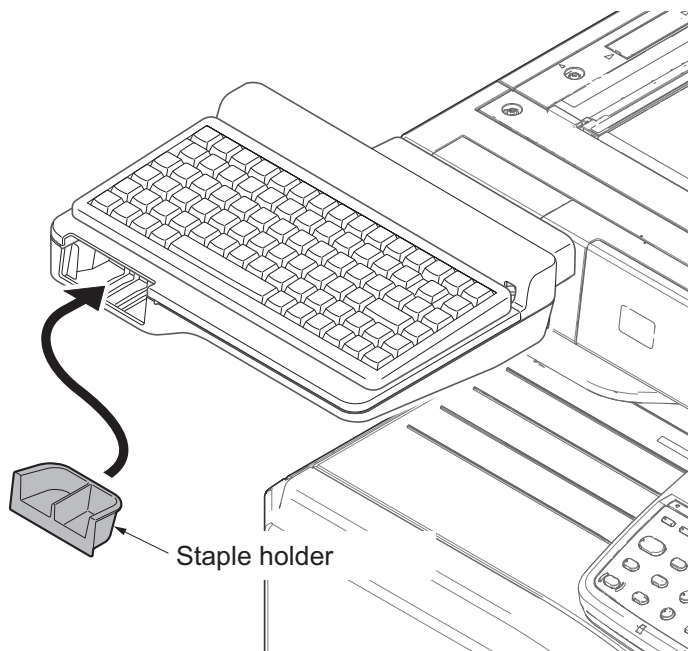


Figure 1-2-76

1-2-8 Installing the Printed Document Guard Kit (option)

Printed Document Guard Kit installation requires the following parts:

Parts	Quantity	Part.No.
Printed Document Guard Kit (B)	1	1503P40UN0

Supplied parts of Printed Document Guard Kit :

Parts	Quantity	Part.No.
Copy guard PWB	1	-
FFC (short)	2*	-
FFC (long)	2	-
Mount plate B	1	-
Screw M3 x 6	2	-

* : Not used in this model.

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove eight screws.
3. Pull the rear cover upwards and then release three hooks.
4. Remove the rear cover.
5. When not using DP junction PWB, the following procedures 6 to 11 are followed, and when using it, Procedure 13 to 20 is performed.

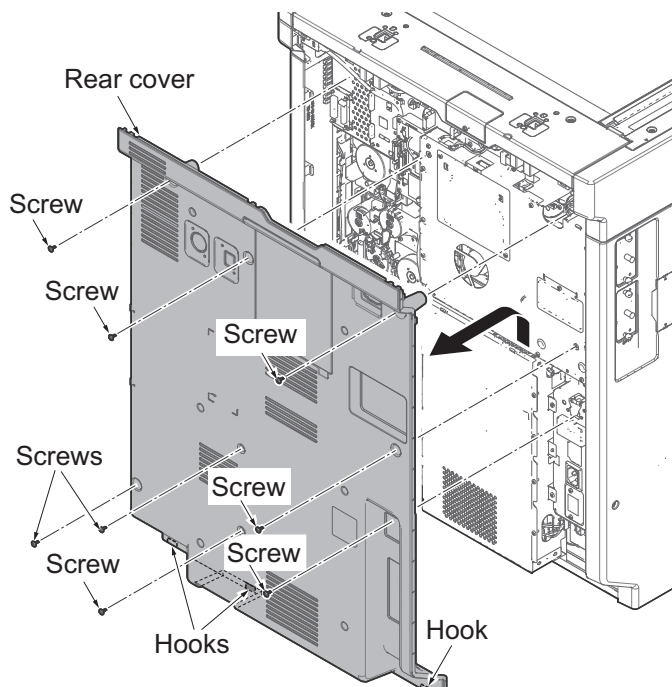
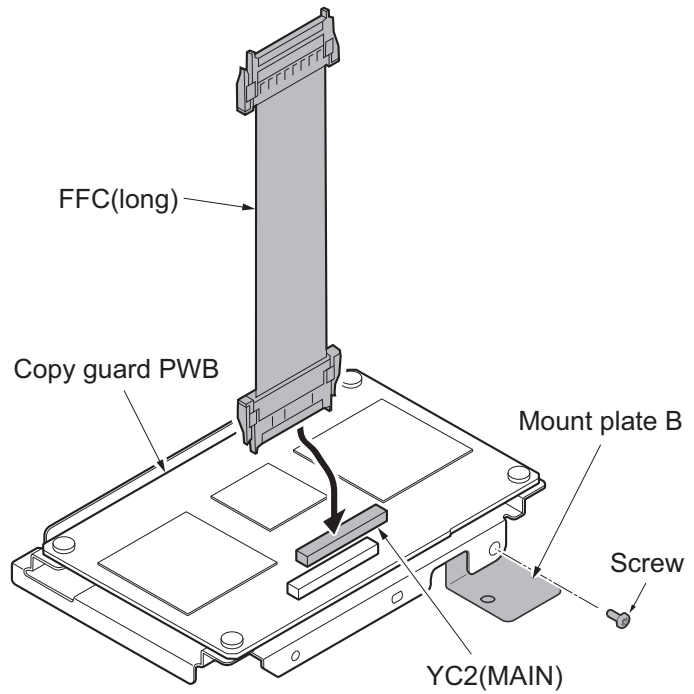


Figure 1-2-77

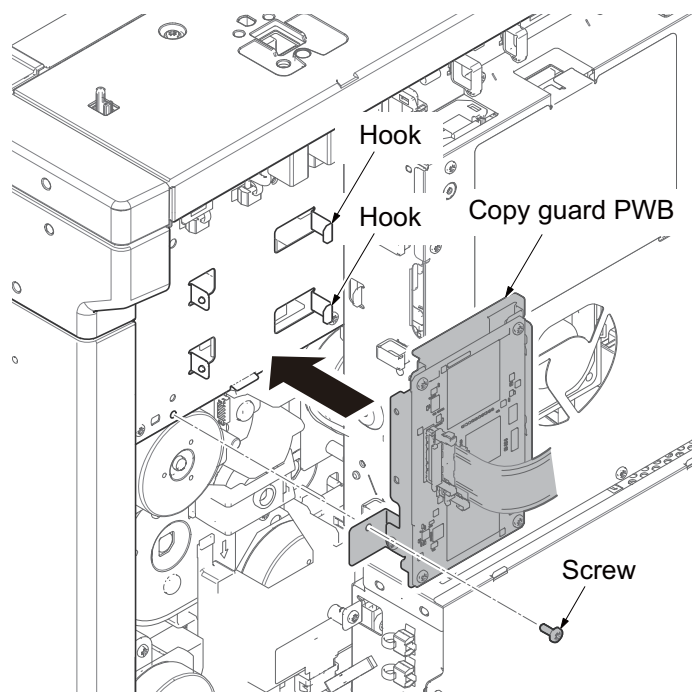
[When DP junction PWB is not used]

6. Fit the mount plate B to the copy guard PWB using the screw.
7. Insert the FFC into the copy guard PWB until it clicks in.

Without a DP junction PWB:
A FFC is used at YC2
(serigraphed on MAIN)

**Figure 1-2-78**

8. Fit the copy guard PWB by hooking to two hooks of the IH cover and using the screw M3 x 6.

**Figure 1-2-79**

9. Remove two screws and remove the DP junction PWB.
10. Pass the FFC through the aperture section of the controller box.

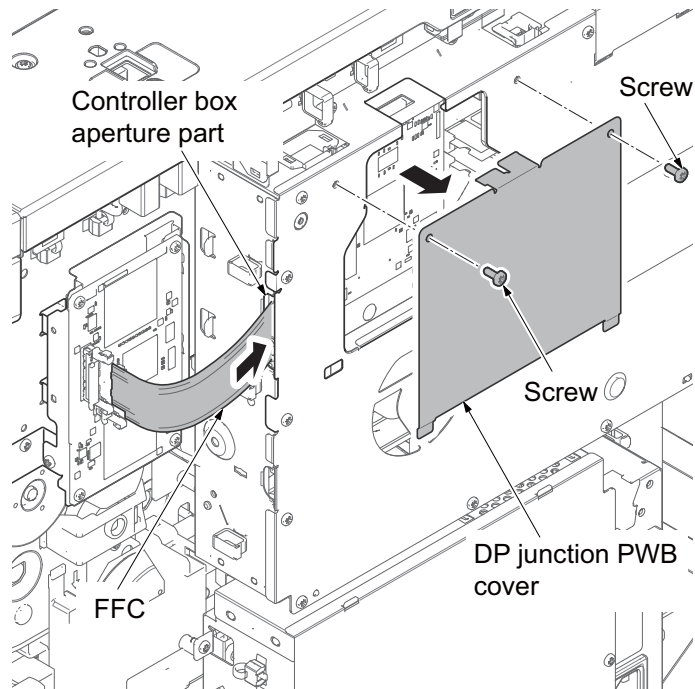


Figure 1-2-80

11. Connect the main-circuit PWB with the FFC.
Main PWB (YC34)
12. Refit the DP junction PWB cover and the rear cover.

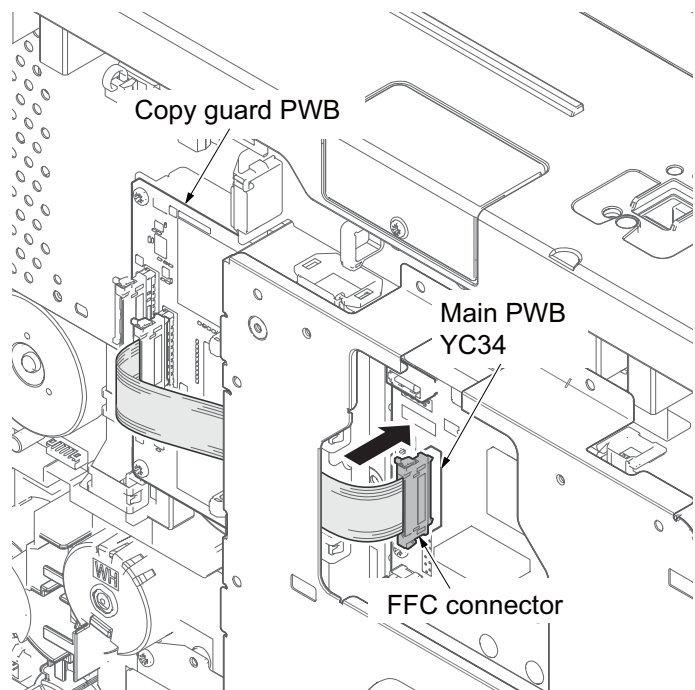


Figure 1-2-81

[When DP junction PWB is used]

13. Fit the mount plate B to the copy guard PWB using the screw.

14. Insert the FFC into the copy guard PWB until it clicks in.

With a DP junction PWB:

A FFCs is used at YC2 (serigraphed on MAIN)

YC1 (Serigraphed on DP)

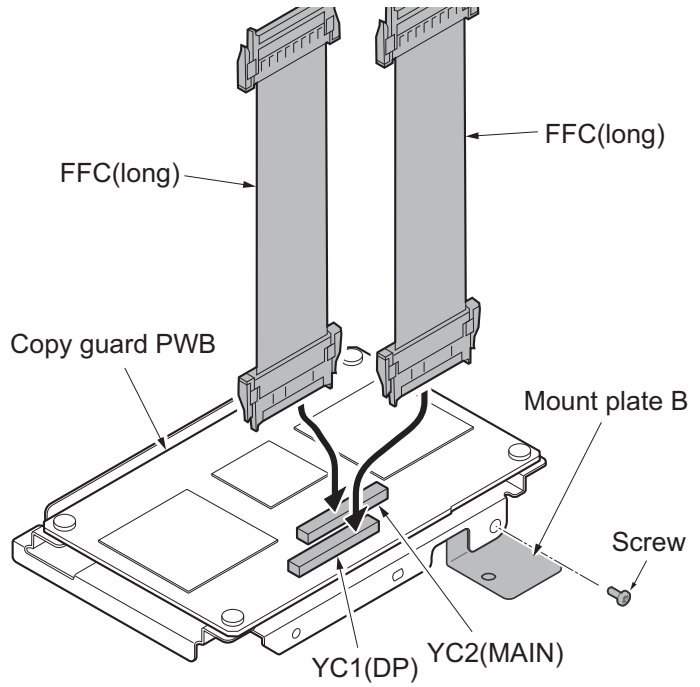


Figure 1-2-82

15. Ifit the copy guard PWB by hooking to two hooks of the IH cover and using the screw.

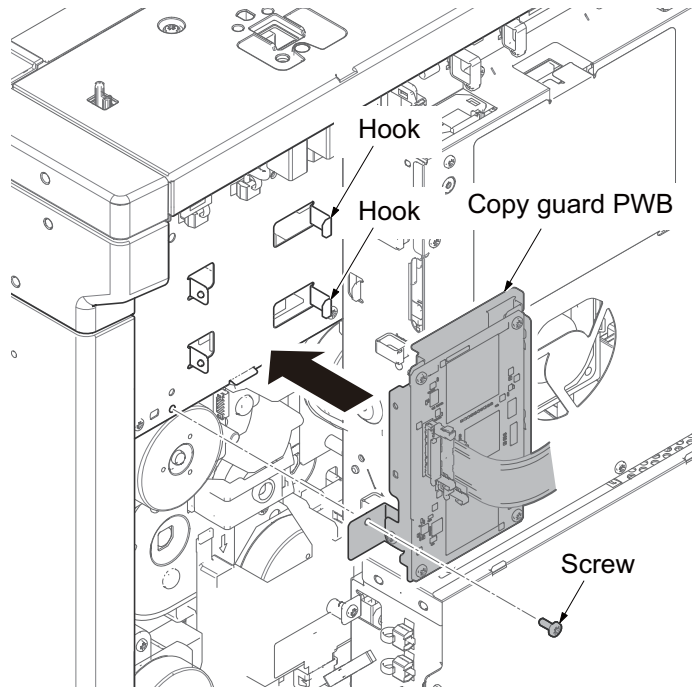


Figure 1-2-83

16. Remove two screws and remove the DP junction PWB.
17. Pass the FFC through the aperture section of the controller box.

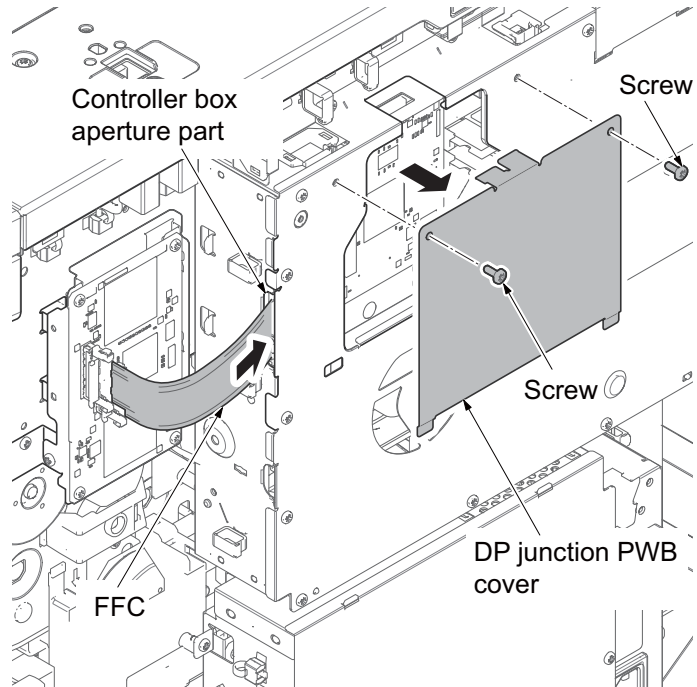


Figure 1-2-84

18. Connect the main-circuit PWB with the FFC.
Main PWB (YC34)

* : When DP connection board has already stuck, work after removing.
(Refer to Procedure 19)

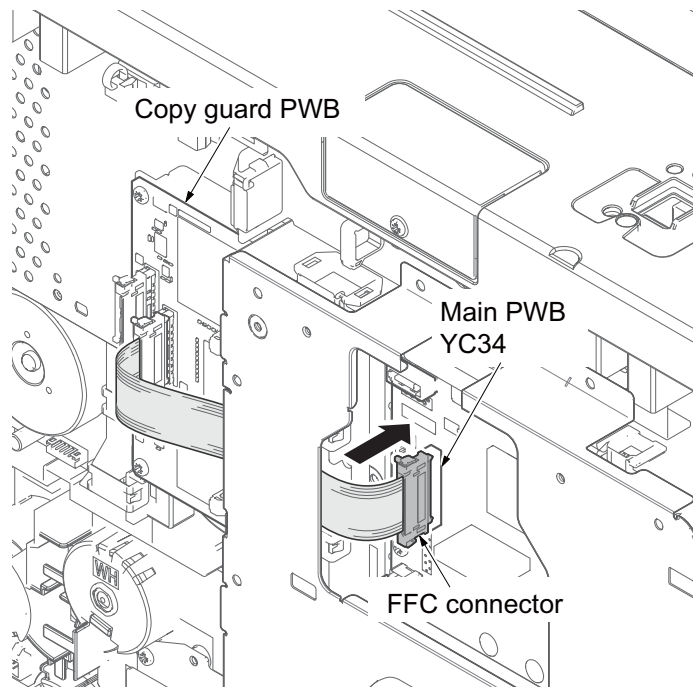


Figure 1-2-85

19. Fit the DP junction PWB using two screws.

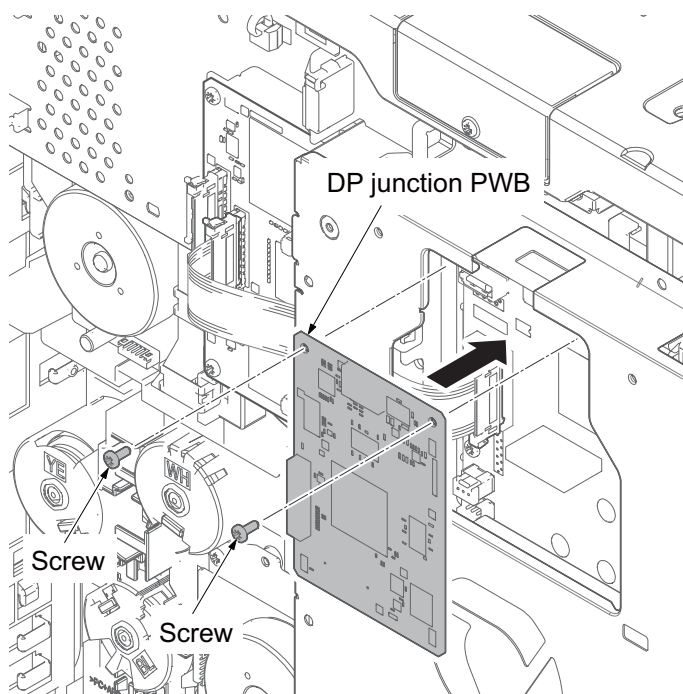


Figure 1-2-86

20. Connect the main-circuit PWB and the DP relay circuit PWB with the FFC.
DP junction PWB (YC35)
21. Refit the DP junction PWB cover and the rear cover.

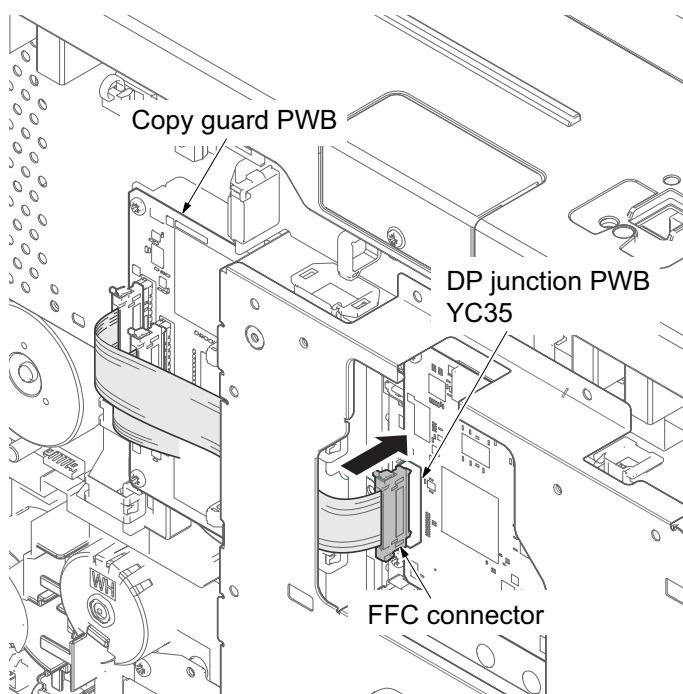


Figure 1-2-87

[Confirm the settings]

- 1) Turn the main power switch on.
- 2) Press the system menu key, then, System/Network.
- 3) The user authentication dialog is shown if user authentication is not enabled.
Enter the login user name and the login password, then, press Login.
Use an administrator privilege for login.
- 4) Confirm that the Confidential Guard is set to On.

1-2-9 Installing the key card MK-2 (option for Japan only)

Key card installation requires the following parts:

Parts	Quantity	Part.No.
Key card MK-2	1	8J272002(option)
MK-2 mount	1	Supplied with MK-2
M4 x 16 screw	2*	
Document table	1	1902LC0UN2(option)
Bushing	1	M1203490
Mount	1	78660130
M3x8 tap-tight p screw TP	2	7BB202308H
M4 x 20 tap-tight S screw	2	7BB100420H

* : Not used in this model.

Supplied parts of document tablet (1902LC0UN2):

Parts	Quantity	Part.No.
Tray stay	1	-
Tray mount	1	-
Tray cover	1	302LC04601
Tray lower cover	1	302LC04710
Tray retainer	1*	-
Sheet	2	302LC04660
Pin	2	303NS24410
M4 nut	2*	3CY06030
M4 x 8 screw	7	7BB180408H
M4 x 10 screw	2	7BB607410H
M4 x 14 screw	2*	7BB607414H

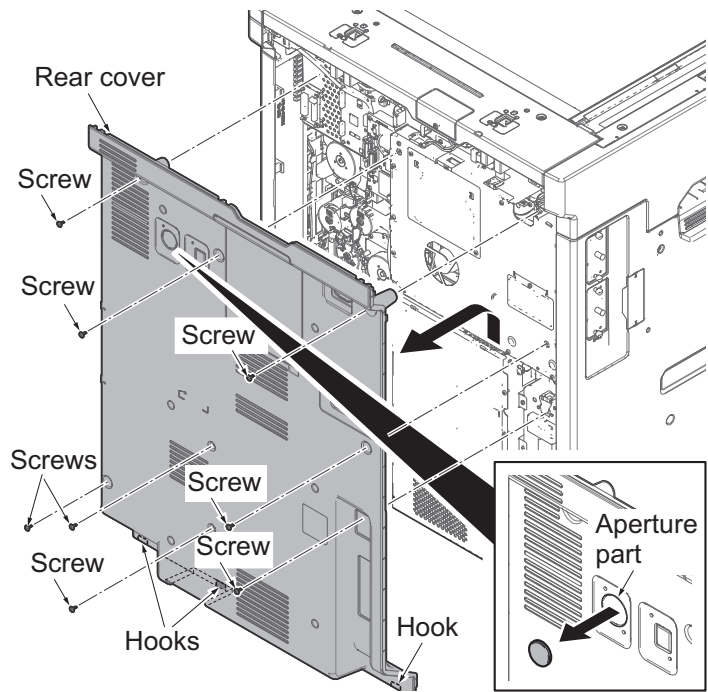
* : Not used in this model.

: One piece is used in this model.

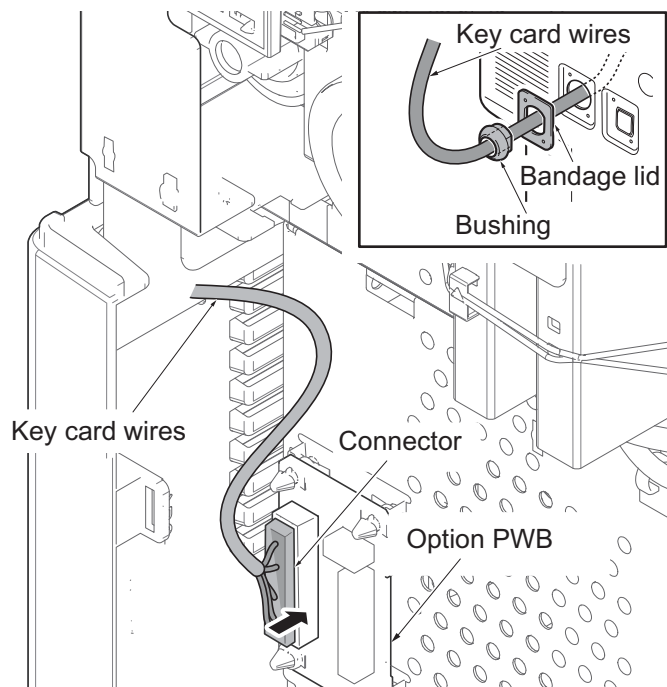
: Six pieces is used in this model.

Procedure

1. Remove eight screws.
2. Pull the rear cover upwards and then release three hooks.
3. Remove the rear cover.
4. Cut the aperture part (left side) of the rear cover using nippers etc.

**Figure 1-2-88**

5. Pass the key card wires through the bandage lid, bushing and the aperture parts of the rear cover.
6. Connect the connector of the key card wires to the option PWB.

**Figure 1-2-89**

7. Pass the grounding wire of the key card wires through three wire saddles.
8. Fix the grounding terminals using the screw.

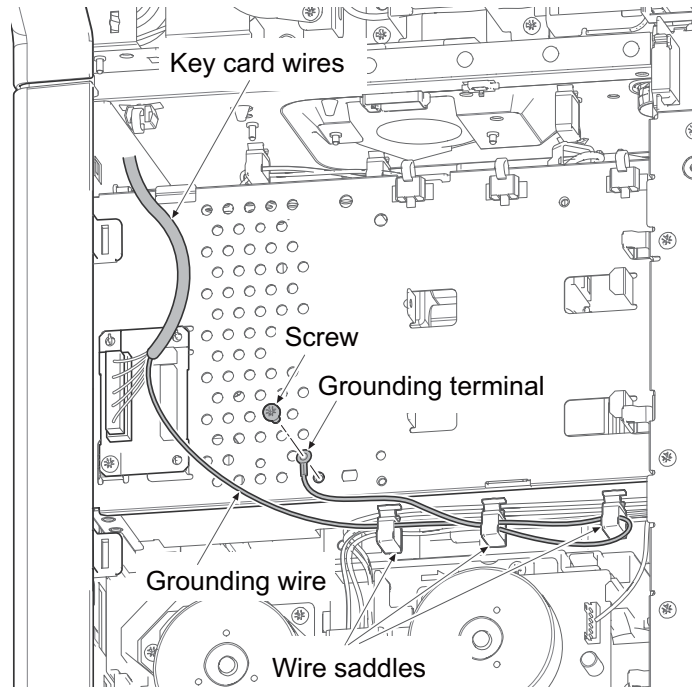


Figure 1-2-90

9. Push the rear cover downwards and then hook three hooks.
10. Fit the rear cover using eight screws.
* : Pull out the slack electric wires inside a machine.
11. Adjust the position of the bushing that is passed key card wires through and then fix the bandage lid using two screws.

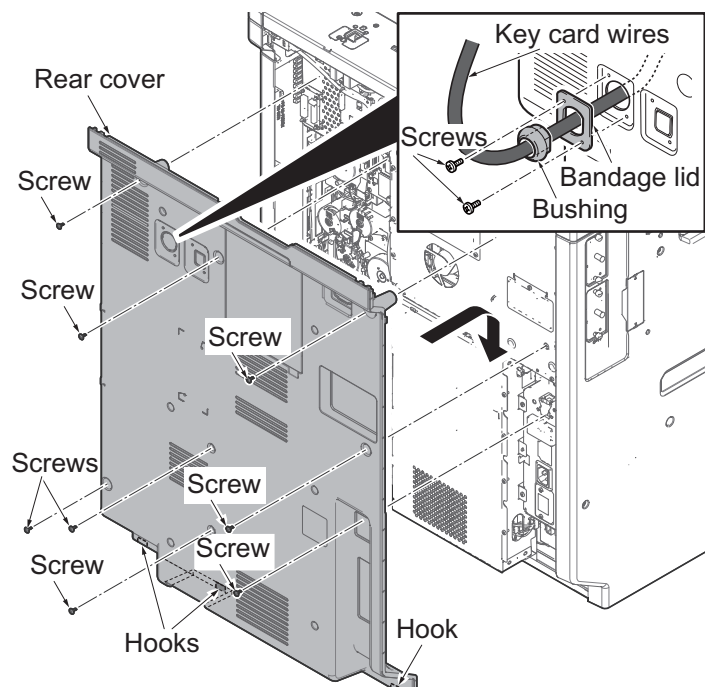


Figure 1-2-91

12. Fit the tray stay to the scanner right cover using two M4 x10 screws.

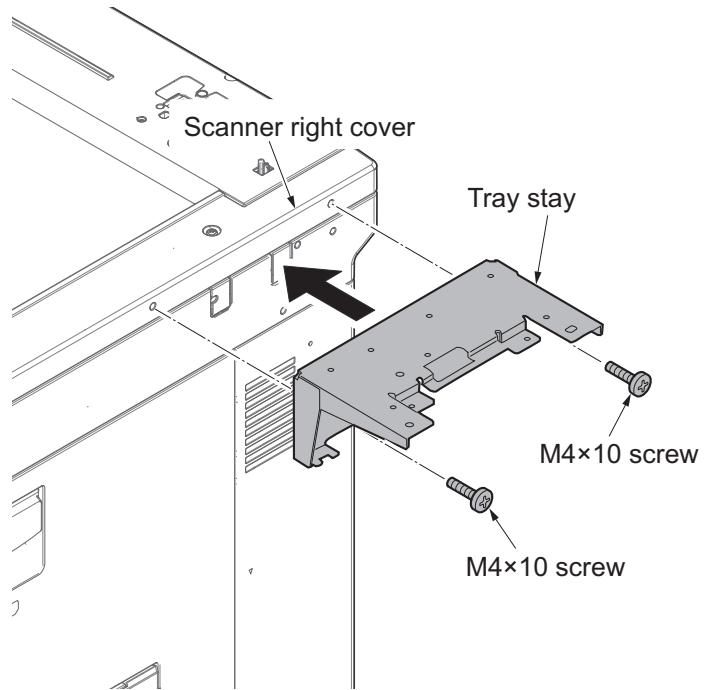


Figure 1-2-92

13. Snap in the tray mount to the tray stay and fix using two M4 x 8 screws.

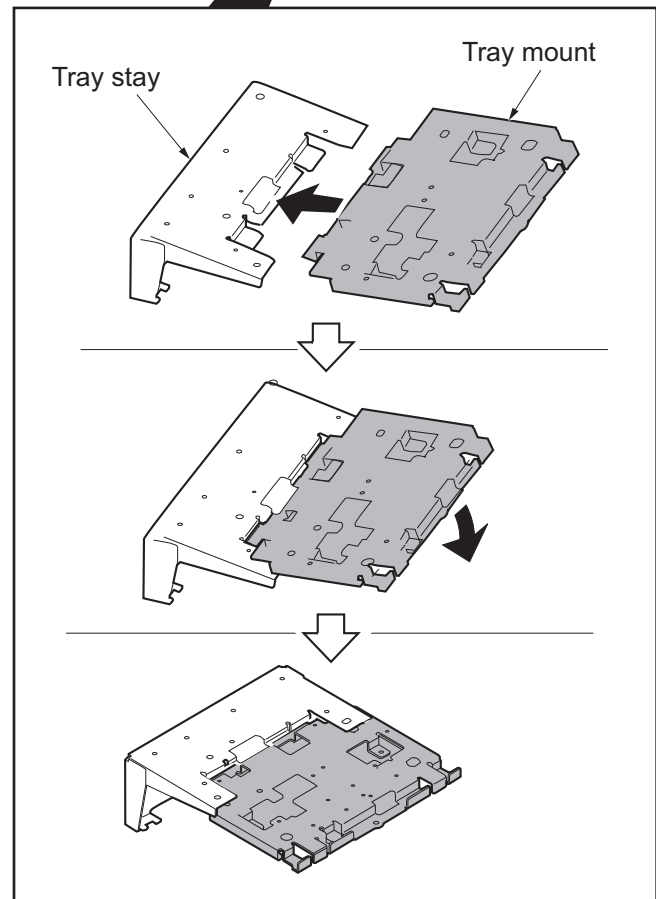
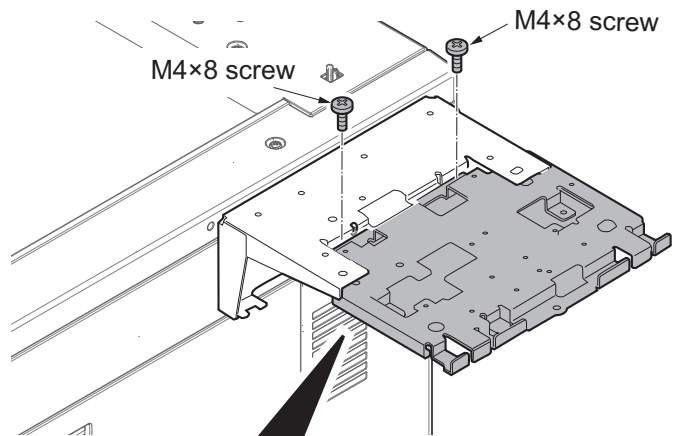


Figure 1-2-93

14. Fit the tray cover to the tray stay using four M4 x 8 screws.

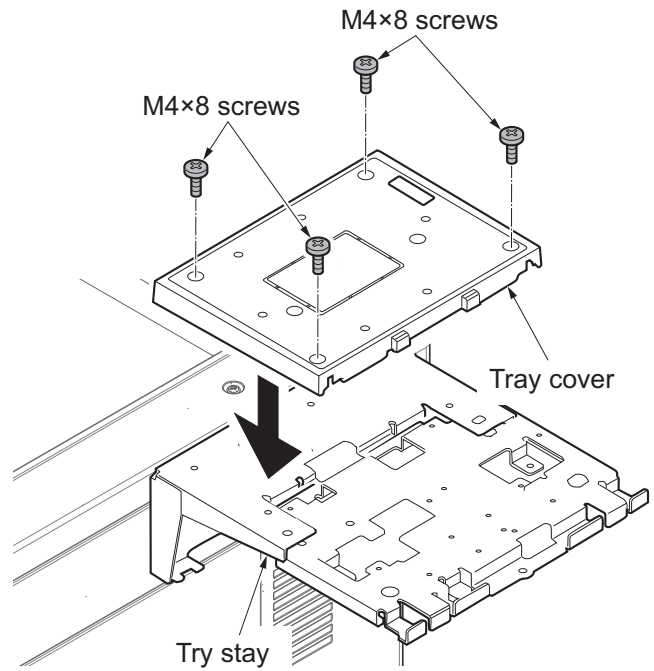


Figure 1-2-94

15. Remove the four screws securing the MK-2 cover; attach the MK-2 mount to the MK-2, and secure using the four screws.

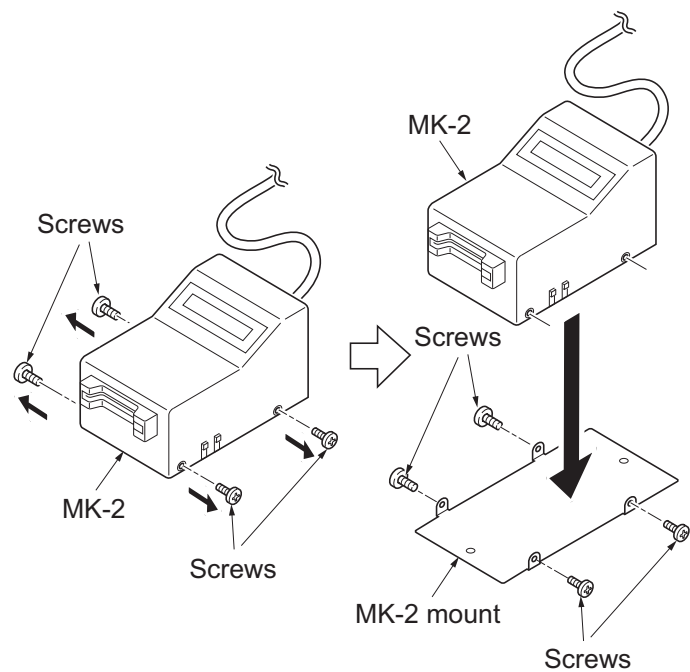


Figure 1-2-95

16. Fit the MK-2 to the document table using two M4 x 20 tap-tight S screws.
*: Secure the screws to the location with mark "B".

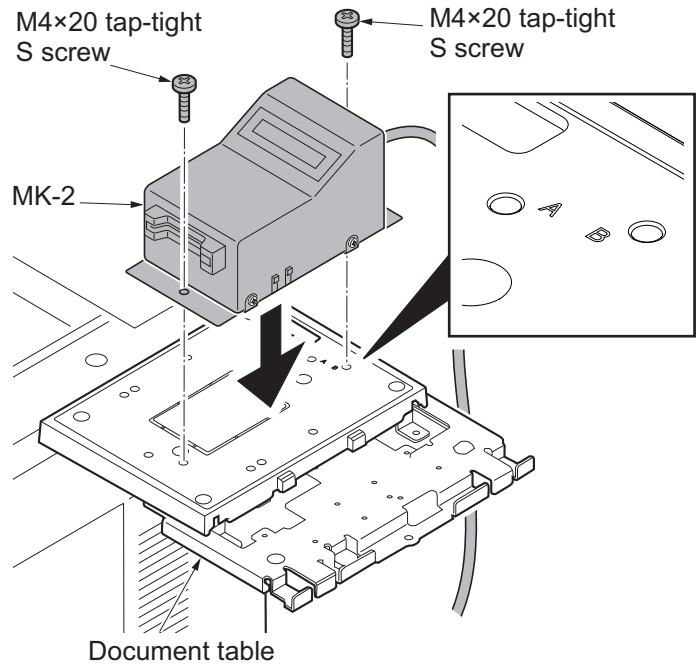


Figure 1-2-96

17. Fit the tray lower cover.
18. Secure the tray lower cover with two pins.

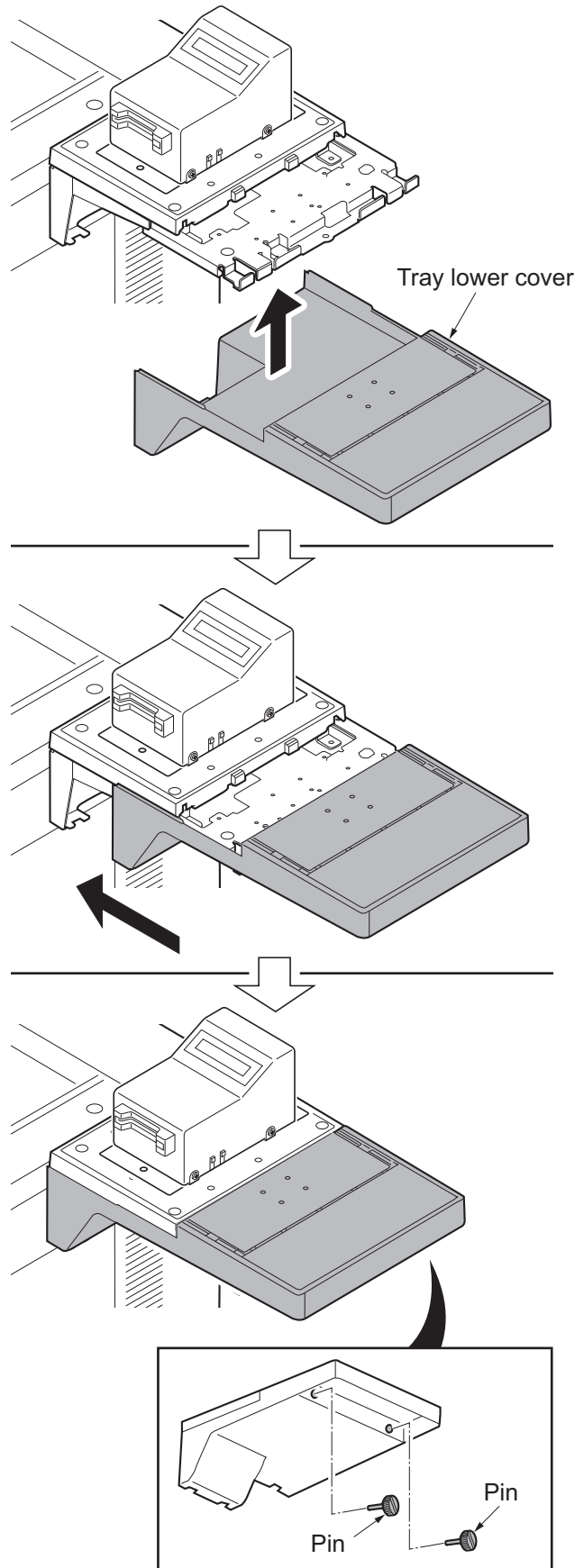
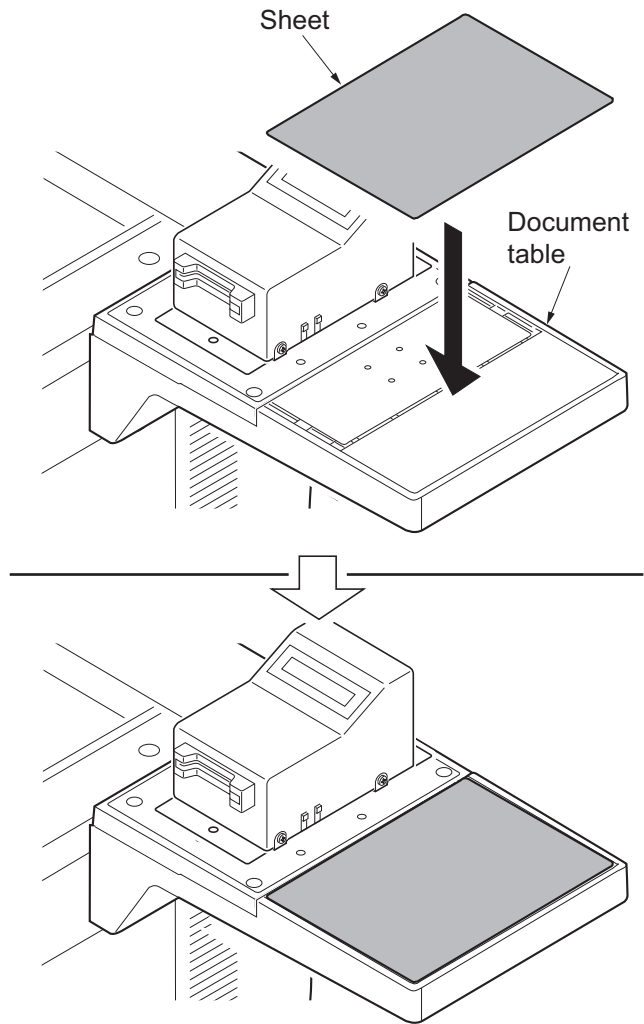


Figure 1-2-97

19. Adhere the sheet onto right side of the document table.
20. Turn the main power switch on and enter the maintenance mode.
21. Run maintenance item U204 and select [Key-Card] (see page 1-3-93).
22. Exit the maintenance mode.

**Figure 1-2-98**

1-2-10 Installing the coin vender (option for japan only)

Coin vender installation requires the following parts:

Parts	Quantity	Part.No.
Coin vender	1	ACV-1 (option)
Vender wire	1	Supplied with coin vender
Vender base	1	
M4 x 6 screw	4	
M4x8 ground screw	1	

Procedure

1. Press the power key on the operation panel to off. Make sure that the power indicator and the memory indicator are off before turning off the main power switch. And then unplug the power cable from the wall outlet.
2. Remove eight screws.
3. Pull the rear cover upwards and then release three hooks.
4. Remove the rear cover.

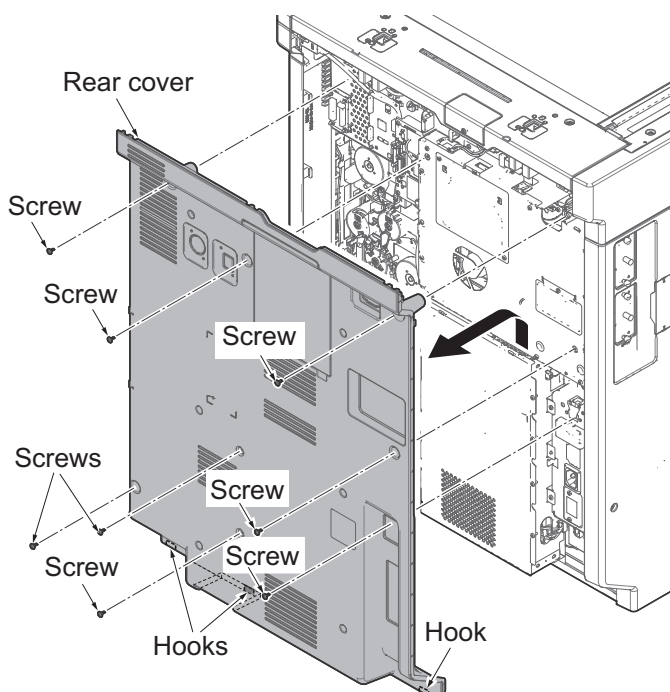


Figure 1-2-99

- Remove two screws and then remove the bandage lid.

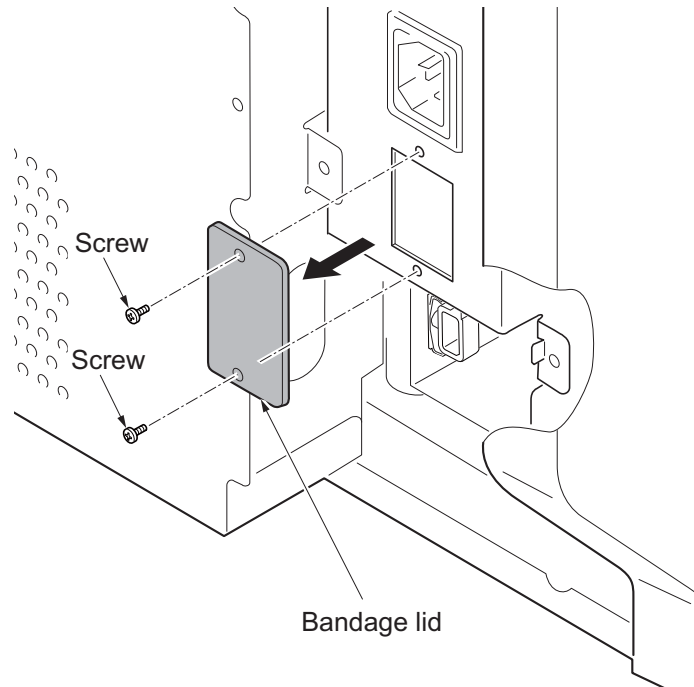


Figure 1-2-100

- Pass the vender wire connector through the aperture in the IF mount.
- Secure the vender wire socket with two screws removed in step 5.
- Secure the grounding terminal of the vender wire to IF mount with the screw.
- Connect the vender wire connector to the vender signal cable connector.

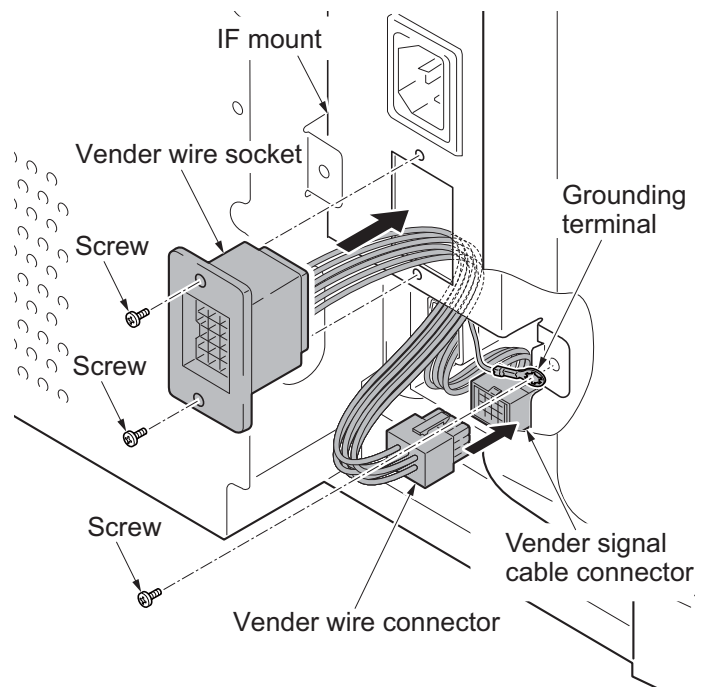


Figure 1-2-101

10. Fit the rear cover using eight screws.
11. Connect the coin vender signal cable to the vender wire socket.
12. Turn the main power switch on and enter the maintenance mode.
13. Run maintenance mode U206 and activate 'Coin vender is installed.' Continue configuring the coin vender required (see page **1-3-94**).
14. Exit the maintenance mode.

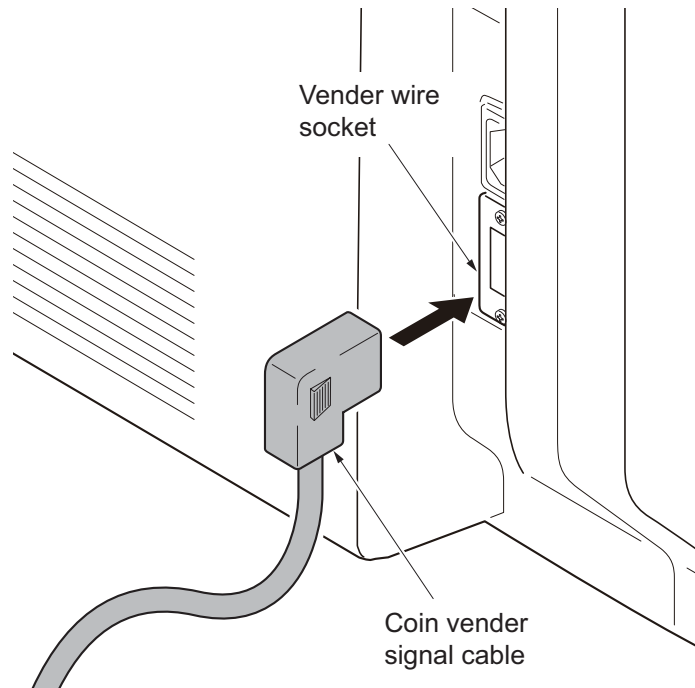


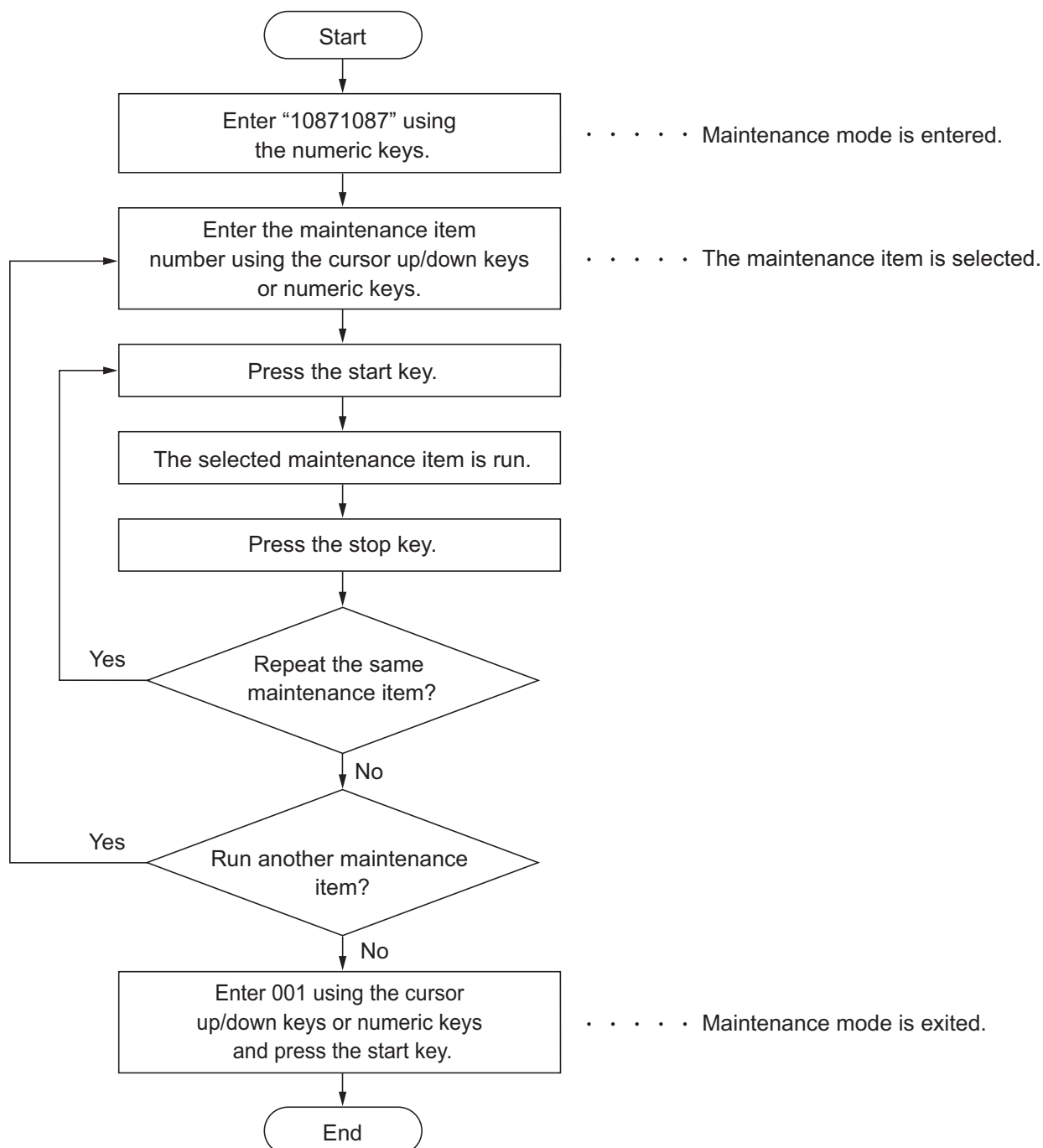
Figure 1-2-102

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1-3-1 Maintenance mode

The machine is equipped with a maintenance function which can be used to maintain and service the machine.

(1) Executing a maintenance item



(2) Maintenance modes item list

Section	Item No.	Content of maintenance item	Initial setting
General	U000	Outputting an own-status report	-
	U001	Exiting the maintenance mode	-
	U002	Setting the factory default data	-
	U003	Setting the service telephone number	
	U004	Setting the machine number	-
	U010	Setting the maintenance mode ID	-
	U018	Check Firmware Checksum	
	U019	Displaying the firmware version	-
Initializa- tion	U021	Memory initializing	-
	U024	HDD formatting	-
	U025	Firmware Update(Security)	
	U026	Pulling Backup Data	
Drive, paper feed and paper conveying system	U030	Checking the operation of the motors	-
	U031	Checking switches and sensors for paper convey- ing	-
	U032	Checking the operation of the clutches	-
	U033	Checking the operation of the solenoids	-
	U034	Adjusting the print start timing LSU Out Top LSU Out Left	0/0/0 0/0/0/0/0/0
	U035	Setting the printing area for folio paper	330/210
	U037	Checking the operation of the fan motors	-
	U051	Adjusting the deflection in the paper	0/0/0/0
U053	Setting the adjustment of the motor speed Full Half 3/4	-1/-3/-5/-5/-3/-3/13/0 -3/-2/-2/-2/-1/-1/3/0 -1/-3/-4/-4/-2/-2/10/0	

Section	Item No.	Content of maintenance item	Initial setting
Optical	U061	Checking the operation of the exposure lamp	-
	U063	Adjusting the shading position	0
	U065	Adjusting the scanner magnification	0/0
	U066	Adjusting the scanner leading edge registration	0/0
	U067	Adjusting the scanner center line	0/0
	U068	Adjusting the scanning position for originals from the DP	0/0
	U070	Adjusting the DP magnification	-/-/-
	U071	Adjusting the DP scanning timing	-/-/-/-
	U072	Adjusting the DP center line	-/-
	U073	Checking the scanner operation	100/10200/1
	U074	Adjusting the DP input light luminosity	1
	U087	Setting DP reading position modification operation	145/145/145
	U089	Outputting a MIP-PG pattern	-
	U091	Setting the white line correction	112/112/112/75/0
	U099	Adjusting original size detection (With original mat) (With document feeder)	0/0/0/0/0 20/30/40/20/30/40/20/30/40 50/50/50/50/50/50/50/50/50 0/0/0/0/0
High voltage	U100	Setting the main high voltage	Auto 0/0/0/0 -/-/-/ 145/145/145/145 Mode0 3 Mode0 Off
	U101	Setting the voltage for the primary transfer Base 1st side 2nd side B/W	45/36/25 5/5/0/5 2/2/-3/2 30

Section	Item No.	Content of maintenance item	Initial setting
High voltage High voltage	U106	Setting the voltage for the secondary transfer Color-Light/Normal1-1st Side Color-Light/Normal1-2nd Side Color-Normal2/3-1st Side Color-Normal2/3-2nd Side Color-Heavy1-1st Side Color-Heavy1-2nd Side Color-Heavy2/3-1st Side Color-Heavy2/3-2nd Side Color-OHP Color-Coated B/W-Light/Normal3-1st Side B/W-Light/Normal3-2nd Side B/W-Heavy1-1st Side B/W-Heavy1-2nd Side B/W-Heavy2/3-1st Side B/W-Heavy2/3-2nd Side	83/58/42 88/60/40 85/60/44 90/62/42 64/45/33 68/47/32 43/30/22 45/31/21 40/33/25 59/42/31 78/53/40 83/55/38 60/41/31 64/43/30 43/30/22 45/31/21
	U107	Setting the voltage for the intermediate transfer cleaning Belt(A) Belt(B) Belt(C)	60/30/45/60/30/45 90/45/68/90/45/68 90/45/68/90/45/68
	U108	Setting separation shift bias Ligt/Normal1 Normal2/3 Heavy1 Coated Timing	20/20 10/12 10/10 10/10 3/0/0/100
	U110	Checking the drum count	0/0/0/0
	U111	Checking the drum drive time	0/0/0/0
	U117	Checking the drum number	-
	U118	Displaying the drum history	-
	U122	Checking the transfer belt unit number	-
	U123	Displaying the transfer belt unit history	-
	U127	Checking/clearing the transfer count	0/0/0/0

Section	Item No.	Content of maintenance item	Initial setting
Developer	U135	Checking toner motor operation	-
	U136	Setting toner near end detection	3/3 Inch: 0/0 (except Philippines)
	U139	Displaying the temperature and humidity outside the machine	-
	U140	Setting developer bias	480/480/450/450/50/50/50/50/380/ 380/350/350
		Mag DC	
		Sleeve DC	180/180/150/150/150/150/150/150/ 180/180/150/150
		Clock Freq	36/36/36/36/36/36/36/36/36/36/ 36
		Clock Duty	37/37/37/37/33/33/33/33/33/33/ 33
		AC Ctrl	1500/1500/1500/1500/1150/1150/ 1150/1150/1150/1150/1150/1150
		On Timing	0/0/0/0
	Off Timing	0/0/0/0	
	Image Preference	0 / 1 (120V)	
U147	Setting for toner applying operation	0/60	
U150	Checking sensors for toner	-	
U157	Checking the developer drive time	0/0/0/0	
U158	Checking the developer count	0/0/0/0	
Fuser	U161	Setting the fuser control temperature	210/240/190/110/110/125/150/155/ 155/130/150/240/90/50/200/95
	U167	Checking the fuser count	0/0/0
	U169	Checking/setting the fuser power source	-
	U199	Displaying fuser heater temperature	-

Section	Item No.	Content of maintenance item	Initial setting	
Operation panel and support equipment	U200	Turning all LEDs on	-	
	U201	Initializing the touch panel	-	
	U202	Setting the KMAS host monitoring system	-	
	U203	Checking DP operation	-	
	U204	Setting the presence or absence of a key card or key counter	Off/Coin Vender	
	U206	Setting the presence or absence of a coin vender		
		Normal		
		B/W		10/10/10/10
		CMY		100/50/30/50
		RGB		100/50/30/50
		Full Color		100/50/30/50
		AD		
		B/W		10/10/10/10
		CMY		100/50/30/50
		RGB		100/50/30/50
	Full Color		100/50/30/50	
	Print	B/W		10/10/10/10
		Full Color		100/50/30/50
		Apl		Off
	Apl Charge Mode		10/10/10/10/10	
	Boot Mode		Normal	
	U207	Checking the operation panel keys	-	
	U209	Set RTC (Real Time Clock) Date	A4	
	U221	Setting the USB host lock function	Off	
	U222	Setting the IC card type	Other	
	U223	Operation panel lock	Unlock	
	U224	Panel sheet extension	-	
U234	Setting punch destination			
U237	Setting finisher stack quantity	0/0		
U240	Checking the operation of the finisher	-		
U241	Checking the operation of the switches of the finisher	-		
U243	Checking the operation of the DP motors	-		
U244	Checking the DP switches	-		
U245	Checking messages	-		
U246	Setting the finisher	0/0/0/0/0/0/0		
U247	Setting the paper feed device	-		

Section	Item No.	Content of maintenance item	Initial setting
Mode setting	U250	Checking/clearing the maintenance cycle	200000/200000/0/ 300000/300000/300000/300000
	U251	Checking/clearing the maintenance counter	0/0/0/0/0/0
	U252	Setting the destination	-
	U253	Switching between double and single counts	Double count (A3/Ledger)
	U260	Selecting the timing for copy counting	Eject
	U265	Setting OEM purchaser code	-
	U276	Setting the copy count mode	Mode0
	U278	Setting the delivery date	-
	U284	Setting 2 color copy mode	Off
	U285	Setting service status page	ON
	U325	Setting the paper interval	1
	U326	Setting the black line cleaning indication	ON/8
	U332	Setting the size conversion factor Rate Mode Level 1 Level 2	1.0 0 1.0 2.5
	U340	Setting the applied mode Adj Memory Adj Max Job	0 10
	U341	Specific paper feed location setting for printing function	Off/Off/Off
	U343	Switching between duplex/simplex copy mode	Off
U345	Setting the value for maintenance due indication	0	
U346	Selecting Sleep Mode	On	
Image processing	U402	Adjusting margins of image printing	4.0/3.0/3.0/3.9
	U403	Adjusting margins for scanning an original on the contact glass	2.0/2.0/2.0/2.0
	U404	Adjusting margins for scanning an original from the DP	3.0/2.5/3.0/4.0
	U407	Adjusting the leading edge registration for memory image printing	0
	U410	Adjusting the halftone automatically	-
	U411	Adjusting the scanner automatically	-
	U415	Adjusting the print position automatically	-

Section	Item No.	Content of maintenance item	Initial setting
Image processing	U425	Setting the target	-
		Chart1 White Black Grav1 Grav2 Grav3 C M Y R G B Adjust Original	93.6/0.9/-0.4 10.6/-0.2/-0.7 76.2/-0.2/1.2 25.2/-0.2/-0.2 51.3/-0.3/0.3 72.6/-32.8/-11.5 48.1/69.9/-6.1 86.2/-18.6/81.7 46.7/54.2/38.6 67.8/-51.3/48.9 38.8/25.3/-22.8 5.0/10.0/190.0
		Chart2/CCD N875 N475 N125 C M Y R G B Adjust Original	85.4/0.0/1.1 52.0/-1.3/2.4 21.0/-0.5/2.5 55.2/-29.7/-45.0 45.9/71.2/-2.1 86.3/-9.8/89.1 45.5/63.2/43.3 48.4/-70.6/25.9 23.6/21.3/-42.9 15.0/10.0/190.0
Chart2/DP N950 N850 N770 N650 N500 N300 C M Y R G B	15.0/15.0/390.0 93.4/0.5/-0.3 86.5/-0.1/1.5 78.2/-0.5/1.4 65.9/-0.4/2.6 52.9/-0.6/2.3 30.6/-0.4/2.8 54.3//-27.7/-46.1 44.8/72.1/-5.7 87.4/-11.9/94.1 44.5/63.4/42.1 48.6/-74.1/30 23.4/24.6/-45.9		

Section	Item No.	Content of maintenance item	Initial setting
Image processing	U429	Setting the offset for the color balance	
		Text+Photo	0/0/0/0
		Photo	0/0/0/0
		Photo/Printout	0/0/0/0
		Text	0/0/0/0
		Graphics/Map	0/0/0/0
		Copy/Printout	5/5/5/5
	U464	Setting the ID correction operation	
		Permission	On/On
		Time interval	20/18/11
Bias target		760/760/750/820	
Gamma target		300/300/300/400	
Calib		-	
FM Calib	Off		
U467	Setting the color registration adjustment	On/4	
U468	Checking the color registration data		
	Auto(C)	0/0/0	
	Auto(M)	0/0/0	
	Auto(Y)	0/0/0	
	Manual(C)	0/0/0/0/0/0/0/0/0	
	Manual(M)	0/0/0/0/0/0/0/0/0	
Manual(Y)	0/0/0/0/0/0/0/0/0		
U469	Adjusting the color registration Regist	-	
U470	Setting the JPEG compression ratio		
	Copy		
	Photo	90/90	
	Text	90/90	
	Send		
	Photo	30/40/51/70/90/30/40/51/70/90	
	Text	30/40/51/70/90/30/40/51/70/90	
	HC-PDF(BG)	15/25/90/15/25/90	
	HC-PDF(Char)	15/75/90/15/75/90	
	HC-PDF(File size)	15/25/75/15/25/75	
System	90/90		
U473	Adjusting laser power output	-	
U485	Setting the image processing mode	1/0	
U486	Setting color/black and white operation mode	Mode2	

Section	Item No.	Content of maintenance item	Initial setting
Fax	U600	Initializing all data	-
	U601	Initializing permanent data	-
	U603	Setting user data 1	-
	U604	Setting user data 2	-
	U605	Clearing data	-
	U610	Setting system 1 Setting:[Cut Line(100%)] Setting:[Cut Line(Auto)] Setting:[Cut Line(100%)]	3 0 0
	U611	Setting system 2 Setting:[Adj Lines] Setting:[Adj Lines(A4)] Setting:[Adj Lines(LT)]	7 22 26
	U612	Setting system 3 Setting:[Auto Reduct] Setting:[Protocol List]	On Off
	U615	Setting system 6	Ledger
	U620	Setting the remote switching mode	One
	U625	Setting the transmission system 1 Setting:[Interval] Setting:[Times]	2 3
	U630	Setting communication control 1 Setting:[TX Speed] Setting:[RX Speed] Setting:[TX Echo] Setting:[RX Echo]	14400bps/V17 14400bps 300 75
	U631	Setting communication control 2 Setting:[ECM TX] Setting:[ECM RX] Setting:[CED Freq]	On On 2100
	U632	Setting communication control 3 Setting:[DIS 4Byte] Setting:[Num OF CNG(F/T)]	Off 2Time

Section	Item No.	Content of maintenance item	Initial setting
Fax	U633	Setting communication control 4 Setting:[V.34] Setting:[DIS 2Res] Setting:[DIS 2Res] Setting:[RTN Check]	On On Once 15%
	U634	Setting communication control 5	0
	U640	Setting communication time 1 Setting:[Time (One)] Setting:[Time (Cont)]	7 80
	U641	Setting communication time 2 Setting:[T0 Time Out] Setting:[T1 Time Out] Setting:[T2 Time Out] Setting:[Ta Time Out] Setting:[Tb1 Time Out] Setting:[Tb2 Time Out] Setting:[Tc Time Out] Setting:[Td Time Out]	56 36 69 30 20 80 60 6
	U650	Setting modem 1 Setting:[Reg G3 TX Eqr] Setting:[Reg G3 RX Eqr] Setting:[RX Mdm Level]	0dB 0dB -43dBm
	U651	Setting modem 2 Modem output level DTMF output level (main value) DTMF output level (level difference)	-11 -8 2
	U660	Setting the NCU Setting:[Exchange] Setting:[Dial Tone] Setting:[Busy Tone] Setting:[PBX Setting] Setting:[DC Loop]	PSTN On On Loop On
	U670	Outputting lists	-
	U671	Clear FAX back up data	-
	U695	FAX function customize	On/Off
	U698	Setting the port addressed in maintenance mode	-
	U699	Setting the software switches	-

Section	Item No.	Content of maintenance item	Initial setting
Others	U901	Checking copy counts by paper feed locations	0/0/0/-/-/0
	U903	Checking/clearing the paper jam counts	-
	U904	Checking/clearing the call for service counts	-
	U905	Checking counts by optional devices	-
	U906	Resetting partial operation control	-
	U908	Checking the total counter value	0
	U910	Clearing the print coverage data	-
	U911	Checking copy counts by paper sizes	0/0/0/0/0/0
	U917	Setting backup data reading/writing	
	U920	Checking the copy counts	0/0/0/0/0/0/0/0/0/0 0/0/0/0/0
	U927	Clearing the all copy counts and machine life counts (one time only)	-
	U928	Checking machine life counts	0
	U933	Set Maintenance Mode Execute Log	-
	U942	Setting of deflection for feeding from DP	0/0/0
	U952	Maintenance mode workflow	-
	U964	Checking of log	-
	U969	Checking of toner area code	-
	U977	Data capture mode	-
	U984	Checking the developer unit number	-
	U985	Displaying the developer history	-
U989	HDD Scan disk	-	
U991	Checking the scanner operation count	0/0/0	

(3) Contents of the maintenance mode items

Item No.	Description																						
U000	<p data-bbox="287 291 702 324">Outputting an own-status report</p> <p data-bbox="287 358 438 392">Description Outputs lists of the current settings of the maintenance items and paper jam and service call occurrences. Outputs the event log. Also sends output data to the USB memory.</p> <p data-bbox="287 459 399 492">Purpose To check the current setting of the maintenance items, or paper jam or service call occurrences. Before initializing or replacing the backup RAM, output a list of the current settings of the maintenance items to reenter the settings after initialization or replacement.</p> <p data-bbox="287 638 614 672">Method:Outputs the report</p> <ol data-bbox="303 672 670 739" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be output. <table border="1" data-bbox="335 750 1396 1086"> <thead> <tr> <th data-bbox="343 750 638 795">Display</th> <th data-bbox="638 750 1396 795">Output list</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 795 638 840">Maintenance</td> <td data-bbox="638 795 1396 840">List of the current settings of the maintenance modes</td> </tr> <tr> <td data-bbox="343 840 638 884">User Status</td> <td data-bbox="638 840 1396 884">Outputs the user status page</td> </tr> <tr> <td data-bbox="343 884 638 929">Service Status</td> <td data-bbox="638 884 1396 929">Outputs the service status page</td> </tr> <tr> <td data-bbox="343 929 638 974">Event</td> <td data-bbox="638 929 1396 974">Outputs the event log</td> </tr> <tr> <td data-bbox="343 974 638 1019">Network Status</td> <td data-bbox="638 974 1396 1019">Outputs the network status page</td> </tr> <tr> <td data-bbox="343 1019 638 1075">All</td> <td data-bbox="638 1019 1396 1075">Outputs the all reports</td> </tr> </tbody> </table> <ol data-bbox="303 1108 1428 1288" style="list-style-type: none"> 3. Select [Print]. 4. Press the start key. A list is output. When A4/Letter paper is available, a report of this size is output. If not, specify the paper feed location. The output status is displayed. <table border="1" data-bbox="335 1299 1396 1489"> <thead> <tr> <th data-bbox="343 1299 638 1344">Display</th> <th data-bbox="638 1299 1396 1344">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1344 638 1388">---</td> <td data-bbox="638 1344 1396 1388">During output standby</td> </tr> <tr> <td data-bbox="343 1388 638 1433">Active</td> <td data-bbox="638 1388 1396 1433">During output process</td> </tr> <tr> <td data-bbox="343 1433 638 1478">OK</td> <td data-bbox="638 1433 1396 1478">Output process completion</td> </tr> </tbody> </table>	Display	Output list	Maintenance	List of the current settings of the maintenance modes	User Status	Outputs the user status page	Service Status	Outputs the service status page	Event	Outputs the event log	Network Status	Outputs the network status page	All	Outputs the all reports	Display	Description	---	During output standby	Active	During output process	OK	Output process completion
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Item No.	Description						
U000	<p data-bbox="290 241 727 275">Method: Send to the USB memory</p> <ol data-bbox="290 277 1431 517" style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter the maintenance item. 5. Press the start key. 6. Select the item to be send. <table border="1" data-bbox="336 526 1401 674"> <thead> <tr> <th data-bbox="336 526 641 577">Display</th> <th data-bbox="641 526 1401 577">Output list</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 577 641 629">USB (Text)</td> <td data-bbox="641 577 1401 629">Sends output data to the USB memory (text type)</td> </tr> <tr> <td data-bbox="336 629 641 674">USB (HTML)</td> <td data-bbox="641 629 1401 674">Sends output data to the USB memory (HTML type)</td> </tr> </tbody> </table> <ol data-bbox="290 734 804 797" style="list-style-type: none"> 7. Press the start key. Output will be sent to the USB memory. <p data-bbox="290 837 440 871">Completion</p> <p data-bbox="290 873 1254 907">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Output list	USB (Text)	Sends output data to the USB memory (text type)	USB (HTML)	Sends output data to the USB memory (HTML type)
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U000	<div style="border: 1px solid black; padding: 10px;"> <h3 style="text-align:center;">Event Log</h3> <p style="text-align:right;">(2) 2013/18/02 15:15</p> <p>MFP TASKalfa 2551ci</p> <p>(1) Firmware version 2NP_2000.000.000 2013.18.02 (3) [XXXXXXXX] (4) [XXXXXXXX] (5) [XXXXXXXX] (6) [XXXXXXXX]</p> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <h4>(8) Paper Jam Log</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Event Descriptions</th> </tr> </thead> <tbody> <tr><td>16</td><td>1876543</td><td>0501.01.08.01.01</td></tr> <tr><td>15</td><td>166554</td><td>4002.01.08.01.01</td></tr> <tr><td>14</td><td>4988</td><td>0501.01.08.01.01</td></tr> <tr><td>13</td><td>4988</td><td>4002.01.08.01.01</td></tr> <tr><td>12</td><td>4988</td><td>0501.01.08.01.01</td></tr> <tr><td>11</td><td>4988</td><td>4002.01.08.01.01</td></tr> <tr><td>10</td><td>1103</td><td>0501.01.08.01.01</td></tr> <tr><td>9</td><td>1103</td><td>4002.01.08.01.01</td></tr> <tr><td>8</td><td>1103</td><td>0501.01.08.01.01</td></tr> <tr><td>7</td><td>1103</td><td>4002.01.08.01.01</td></tr> <tr><td>6</td><td>1027</td><td>0501.01.08.01.01</td></tr> <tr><td>5</td><td>1027</td><td>4002.01.08.01.01</td></tr> <tr><td>4</td><td>1027</td><td>0501.01.08.01.01</td></tr> <tr><td>3</td><td>1027</td><td>4002.01.08.01.01</td></tr> <tr><td>2</td><td>406</td><td>0501.01.08.01.01</td></tr> <tr><td>1</td><td>36</td><td>4002.01.08.01.01</td></tr> </tbody> </table> </div> <div style="width: 48%;"> <h4>(12) Counter Log</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>(f)</th> <th>(g)</th> <th>(h)</th> </tr> </thead> <tbody> <tr><td>J0100: 0</td><td>J4201: 0</td><td>C0030: 1</td></tr> <tr><td>J0101: 0</td><td>J4202: 0</td><td>C0070: 1</td></tr> <tr><td>J0104: 0</td><td>J4203: 0</td><td>C0100: 1</td></tr> <tr><td>J0106: 0</td><td>J4208: 0</td><td>C0120: 1</td></tr> <tr><td>J0107: 0</td><td>J4209: 0</td><td>C0130: 1</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>J0511: 0</td><td>.</td><td>C2000: 1</td></tr> <tr><td>J0512: 0</td><td>.</td><td>C2010: 1</td></tr> <tr><td>J0513: 0</td><td>.</td><td>C2600: 1</td></tr> <tr><td>J0518: 0</td><td>.</td><td>C3100: 1</td></tr> <tr><td>J0519: 0</td><td>.</td><td>C3200: 1</td></tr> <tr><td>J0520:</td><td>.</td><td>.</td></tr> <tr><td>J0521:</td><td>.</td><td>.</td></tr> <tr><td>J0522:</td><td>.</td><td>.</td></tr> <tr><td>J0523:</td><td>.</td><td>.</td></tr> <tr><td>J0524:</td><td>.</td><td>.</td></tr> <tr><td>J0525:</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> <tr><td>.</td><td>.</td><td>.</td></tr> </tbody> </table> </div> </div> <div style="text-align:center; margin: 10px 0;"> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 0501.01.08.01.01 (a) (b) (c) (d) (e) </div> </div> <div style="margin-top: 20px;"> <h4>(9) Service Call Log</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Service Code</th> </tr> </thead> <tbody> <tr><td>8</td><td>1881214</td><td>01.6000</td></tr> <tr><td>7</td><td>178944</td><td>01.2100</td></tr> <tr><td>6</td><td>5296</td><td>01.4000</td></tr> <tr><td>5</td><td>5295</td><td>01.6000</td></tr> <tr><td>4</td><td>2099</td><td>01.2100</td></tr> <tr><td>3</td><td>1054</td><td>01.4000</td></tr> <tr><td>2</td><td>809</td><td>01.6000</td></tr> <tr><td>1</td><td>30</td><td>01.2100</td></tr> </tbody> </table> <h4>(10) Maintenance Log</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Item</th> </tr> </thead> <tbody> <tr><td>3</td><td>104511</td><td>01.00</td></tr> <tr><td>2</td><td>3454</td><td>01.00</td></tr> <tr><td>1</td><td>34</td><td>01.01</td></tr> </tbody> </table> <h4>(11) Unknown toner Log</h4> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>#</th> <th>Count.</th> <th>Item</th> </tr> </thead> <tbody> <tr><td>2</td><td>3454</td><td>01.00</td></tr> <tr><td>1</td><td>32</td><td>01.00</td></tr> </tbody> </table> <p style="text-align:right;">(7) [XXXXXXXXXXXXXXXXXXXXX]</p> </div> </div>	#	Count.	Event Descriptions	16	1876543	0501.01.08.01.01	15	166554	4002.01.08.01.01	14	4988	0501.01.08.01.01	13	4988	4002.01.08.01.01	12	4988	0501.01.08.01.01	11	4988	4002.01.08.01.01	10	1103	0501.01.08.01.01	9	1103	4002.01.08.01.01	8	1103	0501.01.08.01.01	7	1103	4002.01.08.01.01	6	1027	0501.01.08.01.01	5	1027	4002.01.08.01.01	4	1027	0501.01.08.01.01	3	1027	4002.01.08.01.01	2	406	0501.01.08.01.01	1	36	4002.01.08.01.01	(f)	(g)	(h)	J0100: 0	J4201: 0	C0030: 1	J0101: 0	J4202: 0	C0070: 1	J0104: 0	J4203: 0	C0100: 1	J0106: 0	J4208: 0	C0120: 1	J0107: 0	J4209: 0	C0130: 1	.	.	.	J0511: 0	.	C2000: 1	J0512: 0	.	C2010: 1	J0513: 0	.	C2600: 1	J0518: 0	.	C3100: 1	J0519: 0	.	C3200: 1	J0520:	.	.	J0521:	.	.	J0522:	.	.	J0523:	.	.	J0524:	.	.	J0525:	#	Count.	Service Code	8	1881214	01.6000	7	178944	01.2100	6	5296	01.4000	5	5295	01.6000	4	2099	01.2100	3	1054	01.4000	2	809	01.6000	1	30	01.2100	#	Count.	Item	3	104511	01.00	2	3454	01.00	1	34	01.01	#	Count.	Item	2	3454	01.00	1	32	01.00
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Figure 1-3-1

Item No.	Description																										
U000	Detail of event log																										
	No.	Items	Description																								
	(1)	System version																									
	(2)	System date																									
	(3)	Engine soft version																									
	(4)	Engine boot version																									
	(5)	Controller BROM version																									
	(6)	Operation panel mask version																									
	(7)	Machine serial number																									
	(8)	Paper Jam Log	<table border="1"> <thead> <tr> <th data-bbox="539 676 849 725">#</th> <th data-bbox="849 676 1114 725">Count.</th> <th data-bbox="1114 676 1442 725">Event</th> </tr> </thead> <tbody> <tr> <td data-bbox="539 725 849 1043">Remembers 1 to 16 of occurrence. If the occurrence of the previous paper jam is less than 16, all of the paper jams are logged. When the occurrence exceeds 16, the oldest occurrence is removed.</td> <td data-bbox="849 725 1114 1043">The total page count at the time of the paper jam.</td> <td data-bbox="1114 725 1442 1043"> Log code (hexadecimal, 5 categories) (a) Cause of a paper jam (b) Paper source (c) Paper size (d) Paper type (e) Paper eject </td> </tr> <tr> <td colspan="3" data-bbox="539 1043 1442 1093">(a) Cause of paper jam (Hexadecimal)</td> </tr> <tr> <td colspan="3" data-bbox="539 1093 1442 1173">For details on the case of paper jam, refer to Paper Misfeed Detection. (P.1-4-3)</td> </tr> <tr> <td colspan="3" data-bbox="539 1173 1442 1223">(b) Detail of paper source (Hexadecimal)</td> </tr> <tr> <td colspan="3" data-bbox="539 1223 1442 1442"> 00: MP tray 01: Cassette 1 02: Cassette 2 03: Cassette 3 (paper feeder) 04: Cassette 4 (paper feeder) 05 to 09: Reserved </td> </tr> <tr> <td colspan="3" data-bbox="539 1442 1442 1491">(c) Detail of paper size (Hexadecimal)</td> </tr> <tr> <td data-bbox="539 1491 849 1989"> 00: (Not specified) 01: Monarch 02: Business 03: International DL 04: International C5 05: Executive 06: Letter-R 86: Letter-E 07: Legal 08: A4R 88: A4E 09: B5R 89: B5E 0A: A3 </td> <td data-bbox="849 1491 1114 1989"> 0B: B4 0C: Ledger 0D: A5R 0E: A6 0F: B6 10: Commercial #9 11: Commercial #6 12: ISO B5 13: Custom size 1E: C4 1F: Postcard 20: Reply-paid post-card 21: Oficio II </td> <td data-bbox="1114 1491 1442 1989"> 22: Special 1 23: Special 2 24: A3 wide 25: Ledger wide 26: Full bleed paper (12 x 8) 27: 8K 28: 16K-R A8: 16K-E 32: Statement-R B2: Statement-E 33: Folio 34: Western type 2 35: Western type 4 </td> </tr> </tbody> </table>	#	Count.	Event	Remembers 1 to 16 of occurrence. If the occurrence of the previous paper jam is less than 16, all of the paper jams are logged. When the occurrence exceeds 16, the oldest occurrence is removed.	The total page count at the time of the paper jam.	Log code (hexadecimal, 5 categories) (a) Cause of a paper jam (b) Paper source (c) Paper size (d) Paper type (e) Paper eject	(a) Cause of paper jam (Hexadecimal)			For details on the case of paper jam, refer to Paper Misfeed Detection. (P.1-4-3)			(b) Detail of paper source (Hexadecimal)			00: MP tray 01: Cassette 1 02: Cassette 2 03: Cassette 3 (paper feeder) 04: Cassette 4 (paper feeder) 05 to 09: Reserved			(c) Detail of paper size (Hexadecimal)			00: (Not specified) 01: Monarch 02: Business 03: International DL 04: International C5 05: Executive 06: Letter-R 86: Letter-E 07: Legal 08: A4R 88: A4E 09: B5R 89: B5E 0A: A3	0B: B4 0C: Ledger 0D: A5R 0E: A6 0F: B6 10: Commercial #9 11: Commercial #6 12: ISO B5 13: Custom size 1E: C4 1F: Postcard 20: Reply-paid post-card 21: Oficio II	22: Special 1 23: Special 2 24: A3 wide 25: Ledger wide 26: Full bleed paper (12 x 8) 27: 8K 28: 16K-R A8: 16K-E 32: Statement-R B2: Statement-E 33: Folio 34: Western type 2 35: Western type 4
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Item No.	Description				
U000	No.	Items	Description		
	(8) cont.	Paper Jam Log	(d) Detail of paper type (Hexadecimal) 01: Plain 0A: Color 15: Custom 1 02: Transparency 0B: Prepunched 16: Custom 2 03: Preprinted 0C: Envelope 17: Custom 3 04: Labels 0D: Cardstock 18: Custom 4 05: Bond 0E: Coated 19: Custom 5 06: Recycled 0F: 2nd side 1A: Custom 6 07: Vellum 10: Thick 1B: Custom 7 08: Rough 11: High quality 1C: Custom 8 09: Letterhead (e) Detail of paper eject location (Hexadecimal) 01: Face down (FD) 02: Face up (FU)/Document finisher face up (FU)/ 03: Document finisher face down (FD)		
	(9)	Service Call Log	#	Count.	Service Code
			Remembers 1 to 8 of occurrence of self diagnostics error. If the occurrence of the previous diagnostics error is less than 8, all of the diagnostics errors are logged.	The total page count at the time of the self diagnostics error.	Self diagnostic error code (See page 1-4-13) Example: 01.6000 01: Self diagnostic error 6000: Self diagnostic error code number
	(10)	Maintenance Log	#	Count.	Item
			Remembers 1 to 8 of occurrence of replacement. If the occurrence of the previous replacement of toner container is less than 8, all of the occurrences of replacement are logged.	The total page count at the time of the replacement of the toner container. *:The toner replacement log is triggered by toner empty. This record may contain such a reference as the toner container is inserted twice or a used toner container is inserted.	Code of maintenance replacing item (1 byte, 2 categories) First byte (Replacing item) 01: Toner container Second byte (Type of replacing item) 00: Black 01: Cyan 02: Magenta 03: Yellow First byte (Replacing item) 02: Maintenance kit Second byte (Type of replacing item) 01: MK-8325A 02: MK-8325B

Item No.	Description				
U000	Description				
	No.	Items	Description		
	(11)	Unknown Toner Log	<p>#</p> <p>Remembers 1 to 5 of occurrence of unknown toner detection. If the occurrence of the previous unknown toner detection is less than 5, all of the unknown toner detection are logged.</p>	<p>Count.</p> <p>The total page count at the time of the toner empty error with using an unknown toner container.</p>	<p>Item</p> <p>Unknown toner log code (1 byte, 2 categories)</p> <p>First byte 01: Toner container (Fixed)</p> <p>Second byte 00: Black 01: Cyan 02: Magenta 03: Yellow</p>
	(12)	<p>Counter Log</p> <p>Comprised of three log counters including paper jams, self diagnostics errors, and replacement of the toner container.</p>	<p>(f) Paper jam</p> <p>Indicates the log counter of paper jams depending on location.</p> <p>Refer to Paper Jam Log.</p> <p>All instances including those are not occurred are displayed.</p>	<p>(g) Self diagnostic error</p> <p>Indicates the log counter of self diagnostics errors depending on cause. (See page 1-3-16)</p> <p>Example: C6000: 4</p> <p>Self diagnostics error 6000 has happened four times.</p>	<p>(h) Maintenance item replacing</p> <p>Indicates the log counter depending on the maintenance item for maintenance.</p> <p>T: Toner container 00: Black 01: Cyan 02: Magenta 03: Yellow</p> <p>M: Maintenance kit 01: MK-8325A 02: MK-8325B</p> <p>Example: T00: 1 The toner container has been replaced once.</p> <p>* :The toner replacement log is triggered by toner empty. This record may contain such a reference as the toner container is inserted twice or a used toner container is inserted.</p>

Item No.	Description
U000	<p data-bbox="288 241 582 273">Service status page (1)</p> <div data-bbox="295 304 1417 1800" style="border: 1px solid black; padding: 10px;"> <p data-bbox="327 327 766 376">Service Status Page</p> <p data-bbox="327 376 387 403">MFP</p> <p data-bbox="1177 371 1369 398">(2) 2013/02/18 15:15</p> <p data-bbox="319 427 794 454">(1) Firmware version 2NP_2000.000.000 2013.02.18</p> <p data-bbox="1005 405 1380 454">(3) [XXXXXXXX] (4) [XXXXXXXX] (5) [XXXXXXXX]</p> <hr/> <p data-bbox="344 501 632 528">Controller Information</p> <p data-bbox="344 546 494 573">Memory status</p> <p data-bbox="319 568 660 595">(7) Total Size 2.0 GB</p> <p data-bbox="344 622 399 649">Time</p> <p data-bbox="319 645 766 672">(8) Local Time Zone +01:00 Amsterdam</p> <p data-bbox="319 672 756 698">(9) Date and Time 27/10/2010 12:00</p> <p data-bbox="319 698 715 725">(10) Time Server 10.183.53.13</p> <p data-bbox="344 748 513 775">Installed Options</p> <p data-bbox="303 770 762 1084"> (11) Document Processor Installed (12) Paper feeder Cassette (500 x 2) (13) Finisher 1000-Finisher (14) Document guard (B) Installed (15) Card Authentication Kit (B) Installed (16) Internet FAX Kit (A) Installed (17) Security Kit (E) Installed Data Security Kit (E) (18) UG-33 Installed (19) UG-34 Installed (20) USB Keyboard Connected (21) USB Keyboard Type US-English (22) Scan extension kit (A) Not Installed </p> <p data-bbox="344 1111 494 1137">Print Coverage</p> <p data-bbox="303 1133 836 1160">(23) Average(%) / Usage Page(A4/Letter Conversion)</p> <p data-bbox="303 1160 632 1281"> (24) Total K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44 </p> <p data-bbox="303 1281 632 1402"> (25) Copy K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44 </p> <p data-bbox="303 1402 632 1523"> (26) Printer K: 1.10 / 1111111.11 C: 2.20 / 2222222.22 M: 3.30 / 3333333.33 Y: 4.40 / 4444444.44 </p> <p data-bbox="303 1523 632 1568"> (27) FAX K: 1.10 / 1111111.11 </p> <p data-bbox="303 1568 810 1594">(28) Period (27/10/2010 - 03/11/2010 08:40)</p> <p data-bbox="303 1594 772 1621">(29) Last Page K/C/M/Y(%) 1.00 / 2.22 / 3.33 / 4.44</p> <p data-bbox="858 506 1171 533">(30) FAX Information Slot1/Slot2</p> <p data-bbox="858 533 1129 560">(31) Rings (Normal) 3</p> <p data-bbox="858 560 1056 586">(32) Rings (FAX/TEL) 3</p> <p data-bbox="858 586 1056 613">(33) Rings (TAD) 3</p> <p data-bbox="858 613 1171 640">(34) Option DIMM Size 16 MB</p> <p data-bbox="858 676 1024 703">(35) FRPO Status</p> <p data-bbox="900 703 1340 730">Default Pattern Switch B8 0</p> <p data-bbox="900 730 1385 757">Default Font Number C5*1000+C2*100+C3 00000</p> <p data-bbox="900 1299 1340 1326">e-MPS error control Y6 0</p> <p data-bbox="900 1370 986 1397">RP Code</p> <p data-bbox="858 1397 1050 1424">(36) 1234 5678 9012</p> <p data-bbox="858 1424 1050 1451">(37) 5678 9012 3456</p> <p data-bbox="858 1451 1050 1478">(38) 9012 3456 7890</p> <p data-bbox="858 1478 1050 1505">(39) 3456 7890 1234</p> <p data-bbox="829 1738 845 1765">1</p> <p data-bbox="1117 1738 1380 1765">(6) [XXXXXXXXXXXXXXXXXXXX]</p> </div>

Figure 1-3-2

Item No.	Description		
U000	Detail of service status page		
	No.	Description	Supplement
	(1)	Firmware version	-
	(2)	System date	-
	(3)	Engine soft version	-
	(4)	Engine boot version	-
	(5)	Operation panel mask version	-
	(6)	Machine serial number	-
	(7)	Total memory size	-
	(8)	Local time zone	-
	(9)	Report output date	Day/Month/Year hour:minute
	(10)	NTP server name	-
	(11)	Presence or absence of the document processor	Installed/Not installed
	(12)	Presence or absence of the paper feeder	Installed/Not installed
	(13)	Presence or absence of the finisher	1000-sheet finisher/Not Installed
	(14)	Presence or absence of the document guard (B)	Installed/Not installed
	(15)	Presence or absence of the IC card authentication kit	Installed/Not Installed/Trial
	(16)	Presence or absence of the internet fax kit	Installed/Not Installed
	(17)	Presence or absence of the data security kit	Installed/Not Installed
	(18)	Presence or absence of the UG-33	Installed/Not Installed
	(19)	Presence or absence of the UG-34	Installed/Not Installed
	(20)	Presence or absence of the USB keyboard	Connected/Not connected
	(21)	USB keyboard setting display	US-English/US-English with Euro/German/French
	(22)	Presence or absence of the Scan extension kit (A)	Installed/Not Installed
	(23)	Page of relation to the A4/Letter	* :Print Coverage provides a close-matching reference of toner consumption and will not match with the actual toner consumption.
	(24)	Average coverage for total	Black/Cyan/Magenta/Yellow
(25)	Average coverage for copy	Black/Cyan/Magenta/Yellow	

Item No.	Description		
U000	No.	Description	Supplement
	(26)	Average coverage for printer	Black/Cyan/Magenta/Yellow
	(27)	Average coverage for fax	Black/Cyan/Magenta/Yellow
	(28)	Cleared date and output date	-
	(29)	Coverage on the final output page	-
	(30)	Fax kit information	This item is printed only when the fax kit is installed.
	(31)	Number of rings	0 to 15
	(32)	Number of rings before automatic switching	0 to 15
	(33)	Number of rings before connecting to answering machine	0 to 15
	(34)	Optional DIMM size	-
	(35)	FRPO setting	-
	(36)	RP code	Code the engine software version and the date of update.
	(37)	RP code	Code the main software version and the date of update.
	(38)	RP code	Code the engine software version and the date of the previous update.
	(39)	RP code	Code the main software version and the date of the previous update.
(40)	NV RAM version	<p>_ 1F3 1225 _ 1F3 1225 (a) (b) (c) (d) (e) (f)</p> <p>(a) Consistency of the present software version and the database _ (underscore): OK * (Asterisk): NG</p> <p>(b) Database version (c) The oldest time stamp of database version (d) Consistency of the present software version and the ME firmware version _ (underscore): OK * (Asterisk): NG</p> <p>(e) ME firmware version (f) The oldest time stamp of the ME database version</p> <p>Normal if (a) and (d) are underscored, and (b) and (e) are identical with (c) and (f).</p>	

Item No.	Description		
U000	No.	Description	Supplement
	(41)	Scanner firmware version	-
	(42)	Fax firmware version	This item is printed only when the fax kit is installed.
	(43)	Mac address	-
	(44)	The last sent date and time	-
	(45)	Transmission address	-
	(46)	Destination information	-
	(47)	Area information	-
	(48)	Margin settings	Top margin/Left margin
	(49)	Margin/Page length/Page width settings	Top margin integer part/Top margin decimal part/ Left margin integer part/Left margin decimal part/ Page length integer part/Page length decimal part/ Page width integer part/Page width decimal part
	(50)	Life counter (The first line)	Machine life/MP tray/Cassette 1/Cassette 2/ Cassette 3/Cassette 4/Cassette 5/Cassette 6/ Cassette 7/Duplex
		Life counter (The second line)	Drum unit K/Drum unit C/Drum unit M/Drum unit Y/ Transfer belt unit/Developer unit K/ Developer unit C/Developer unit M/ Developer unit Y/Maintenance kit A/ Maintenance kit B/Maintenance kit C
	(51)	Panel lock information	0: Off/1: Partial lock/2: Full lock
	(52)	USB information	U00: Not installed/U01: Full speed/U02: Hi speed
	(53)	Paper handling information	0: Paper source unit select/1: Paper source unit
	(54)	Color printing double count mode	0: All single counts 1: A3, Single count, Less than 420 mm (length) 2: Legal, Single count, 356 mm or less (length) 3: Folio, Single count, Less than 330 mm (length)
	(55)	Black and white printing double count mode	0: All single counts 1: A3, Single count, Less than 420 mm (length) 2: Legal, Single count, 356 mm or less (length) 3: Folio, Single count, Less than 330 mm (length)
	(56)	Billing counting timing	-
	(57)	Temperature (machine inside)	-
	(58)	Temperature (machine outside)	-
	(59)	Relative humidity (machine outside)	-
(60)	Humidity (machine inside)	-	
(61)	Fixed assets number	-	

Item No.	Description			
U000	No.	Description	Supplement	
	(62)	Job end judgment time-out time	-	
	(63)	Job end detection mode	-	
	(64)	Prescribe environment reset	0: Off 1: On	
	(65)	Media type attributes 1 to 28 (Not used: 18, 19, 20) * : For details on settings, refer to MDAT command in "Prescribe Commands Reference Manual.	Weight settings 0: Light 1: Normal 1 2: Normal 2 3: Normal 3 4: Heavy 1 5: Heavy 2 6: Heavy 3 7: Extra Heavy	Fuser settings 0: High 1: Middle 2: Low 3: Vellum Duplex settings 0: Disable 1: Enable
	(66)	Calibration information	Black/Cyan/Magenta/Yellow	
	(67)	Calibration information	-	
	(68)			
	(69)	Calibration information	-	
	(70)	Calibration information	-	
	(71)	Calibration information	-	
	(72)	Calibration information	-	
	(73)	Calibration information	-	
	(74)			
	(75)		-	
	(76)		-	
	(77)	Calibration information	-	
	(78)	Calibration information	-	
	(79)	RFID information	-	
	(80)	RFID reader/writer version information	-	
	(81)	Color table version for printer	-	
	(82)	Color table 2 version for printer	-	
	(83)	Color table version for copy	-	
	(84)	Color table 2 version for copy	-	
	(85)	Maintenance information	-	

Item No.	Description																						
U000	No.	Description	Supplement																				
	(86)	Altitude	0: Standard 1: High altitude 1 2: High altitude 2																				
	(87)	Charger roller correction	1 to 5																				
	(88)	Configuring toner coverage counters	0: Full-color count display 1: Color coverage count display																				
	(89)	Low coverage setting	0.1 to 100.0																				
	(90)	Middle coverage setting	0.1 to 100.0																				
	(91)	Data Sanitization information	-																				
	(92)	Toner low setting	0: Enabled 1: Disabled																				
	(93)	Toner low detection level	5 to 100 (%)																				
	(94)	A shift restriction setup (an one-sheet manuscript)	0: Enabled (Shift restrictions off) 1: Disabled (Shift restrictions on)																				
	(95)	Full page printing mode	0: Normal Mode (at Time of Factory Shipments) 1: Full Page Mode																				
	(96)	Drum serial number	Black/Cyan/Magenta/Yellow Code conversion <table border="1" data-bbox="526 1142 1212 1243"> <tbody> <tr> <td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td> </tr> <tr> <td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> </tbody> </table>	A	B	C	D	E	F	G	H	I	J	0	1	2	3	4	5	6	7	8	9
	A	B	C	D	E	F	G	H	I	J													
0	1	2	3	4	5	6	7	8	9														

Item No.	Description												
U001	<p>Exiting the maintenance mode</p> <p>Description Exits the maintenance mode and returns to the normal copy mode.</p> <p>Purpose To exit the maintenance mode.</p> <p>Method Press the start key. The normal copy mode is entered.</p>												
U002	<p>Setting the factory default data</p> <p>Description Restores the machine conditions to the factory default settings.</p> <p>Purpose To move the mirror frame of the scanner to the position for transport</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Mode1(All)]. 3. Press the start key. The mirror frame of the scanner returns to the position for transport. 4. Turn the main power switch off and on. <p>* : An error code is displayed in case of an initialization error. When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U002.</p> <p>Error codes</p> <table border="1" data-bbox="336 1205 1399 1494"> <thead> <tr> <th data-bbox="336 1205 639 1254">Codes</th> <th data-bbox="639 1205 1399 1254">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1254 639 1303">0001</td> <td data-bbox="639 1254 1399 1303">Entity error</td> </tr> <tr> <td data-bbox="336 1303 639 1352">0002</td> <td data-bbox="639 1303 1399 1352">Controller error</td> </tr> <tr> <td data-bbox="336 1352 639 1402">0003</td> <td data-bbox="639 1352 1399 1402">OS error</td> </tr> <tr> <td data-bbox="336 1402 639 1451">0020</td> <td data-bbox="639 1402 1399 1451">Engine error</td> </tr> <tr> <td data-bbox="336 1451 639 1494">0040</td> <td data-bbox="639 1451 1399 1494">Scanner error</td> </tr> </tbody> </table>	Codes	Description	0001	Entity error	0002	Controller error	0003	OS error	0020	Engine error	0040	Scanner error
Codes	Description												
0001	Entity error												
0002	Controller error												
0003	OS error												
0020	Engine error												
0040	Scanner error												

Item No.	Description										
U003	<p>Setting the service telephone number</p> <p>Description Sets the telephone number to be displayed when a service call code is detected.</p> <p>Purpose To set the telephone number to call service when installing the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. The keys to enter the number are displayed on the touch panel. 2. Enter a telephone number (up to 15 digits). 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>										
U004	<p>Setting the machine number</p> <p>Description Sets or displays the machine number.</p> <p>Purpose To check or set the machine number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. If the machine serial number of engine PWB matches with that of main PWB <table border="1" data-bbox="336 1167 1401 1261"> <thead> <tr> <th data-bbox="336 1167 641 1211">Display</th> <th data-bbox="641 1167 1401 1211">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1211 641 1261">Machine No.</td> <td data-bbox="641 1211 1401 1261">Displays the machine serial number</td> </tr> </tbody> </table> <p>If the machine serial number of engine PWB does not match with that of main PWB</p> <table border="1" data-bbox="336 1319 1401 1462"> <thead> <tr> <th data-bbox="336 1319 641 1364">Display</th> <th data-bbox="641 1319 1401 1364">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1364 641 1411">Machine No.(Main)</td> <td data-bbox="641 1364 1401 1411">Displays the machine serial number of main</td> </tr> <tr> <td data-bbox="336 1411 641 1462">Machine No.(Eng)</td> <td data-bbox="641 1411 1401 1462">Displays the machine serial number of engine</td> </tr> </tbody> </table> <p>Setting Carry out if the machine serial number does not match.</p> <ol style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. Writing of serial No. starts. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Machine No.	Displays the machine serial number	Display	Description	Machine No.(Main)	Displays the machine serial number of main	Machine No.(Eng)	Displays the machine serial number of engine
Display	Description										
Machine No.	Displays the machine serial number										
Display	Description										
Machine No.(Main)	Displays the machine serial number of main										
Machine No.(Eng)	Displays the machine serial number of engine										

Item No.	Description								
U010	<p data-bbox="287 241 718 275">Setting the maintenance mode ID</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 662 378">Sets the maintenance mode ID.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 853 450">Modify maintenance mode ID for more security.</p> <p data-bbox="287 483 391 517">Method</p> <p data-bbox="303 519 566 553">1. Press the start key.</p> <table border="1" data-bbox="335 564 1396 757"> <thead> <tr> <th data-bbox="343 564 638 609">Display</th> <th data-bbox="638 564 1388 609">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 609 638 654">New ID</td> <td data-bbox="638 609 1388 654">Enter a new 8-digit ID</td> </tr> <tr> <td data-bbox="343 654 638 698">New ID(Reconfirm)</td> <td data-bbox="638 654 1388 698">Enter a new 8-digit ID (to confirm)</td> </tr> <tr> <td data-bbox="343 698 638 743">Initialize</td> <td data-bbox="638 698 1388 743">Initialize the ID</td> </tr> </tbody> </table> <p data-bbox="287 801 383 835">Setting</p> <p data-bbox="303 837 1284 1008"> 1. Select [New ID]. 2. Enter a new 8-digit ID on ten keys (0 – 9, *, #). * and # are mandatory to contain. 3. Select [New ID(Reconfirm)]. 4. Enter a new 8-digit ID on ten keys (0 – 9, *, #). 5. Press the start key. The setting is set. </p> <p data-bbox="287 1041 526 1075">Method: [Initialize]</p> <p data-bbox="303 1077 750 1144"> 1. Select [Initialize]. 2. Press the start key. ID is initialized. </p> <p data-bbox="287 1178 438 1211">Completion</p> <p data-bbox="287 1214 1252 1247">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	New ID	Enter a new 8-digit ID	New ID(Reconfirm)	Enter a new 8-digit ID (to confirm)	Initialize	Initialize the ID
Display	Description								
New ID	Enter a new 8-digit ID								
New ID(Reconfirm)	Enter a new 8-digit ID (to confirm)								
Initialize	Initialize the ID								

Item No.	Description																				
U018	<p data-bbox="288 241 643 271">Check Firmware Checksum</p> <p data-bbox="288 311 440 340">Description Investigate that the firmware has not been modified.</p> <p data-bbox="288 380 400 409">Purpose Investigate that the firmware has not been modified by re-calculate the checksum.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="308 517 564 546" style="list-style-type: none"> 1. Press the start key. <table border="1" data-bbox="336 562 1399 754"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1399 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 651">EXpected</td> <td data-bbox="639 607 1399 651">Displays the expected checksum.</td> </tr> <tr> <td data-bbox="336 651 639 696">Result</td> <td data-bbox="639 651 1399 696">Displays the calculated checksum.</td> </tr> <tr> <td data-bbox="336 696 639 754">Execute</td> <td data-bbox="639 696 1399 754">Perform the self-investigation.</td> </tr> </tbody> </table> <ol data-bbox="308 779 963 875" style="list-style-type: none"> 2. Select [Execute]. 3. Press the start key. Displays the checksum in [Expected] after execution. <p data-bbox="288 949 1085 978">If the verified result was incorrect, the following are displayed.</p> <table border="1" data-bbox="336 994 1399 1283"> <thead> <tr> <th data-bbox="336 994 639 1039">Display</th> <th data-bbox="639 994 1399 1039">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1039 639 1084">f001</td> <td data-bbox="639 1039 1399 1084">An expected-value file does not exist.</td> </tr> <tr> <td data-bbox="336 1084 639 1128">f002</td> <td data-bbox="639 1084 1399 1128">Reading the expected-value file failed.</td> </tr> <tr> <td data-bbox="336 1128 639 1173">f003</td> <td data-bbox="639 1128 1399 1173">Illegal data in the expected-value file (not 64-byte data)</td> </tr> <tr> <td data-bbox="336 1173 639 1218">s001</td> <td data-bbox="639 1173 1399 1218">Failure to read the checksum</td> </tr> <tr> <td data-bbox="336 1218 639 1283">NG</td> <td data-bbox="639 1218 1399 1283">The expected value and the checksum do not match.</td> </tr> </tbody> </table> <p data-bbox="288 1330 440 1359">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	EXpected	Displays the expected checksum.	Result	Displays the calculated checksum.	Execute	Perform the self-investigation.	Display	Description	f001	An expected-value file does not exist.	f002	Reading the expected-value file failed.	f003	Illegal data in the expected-value file (not 64-byte data)	s001	Failure to read the checksum	NG	The expected value and the checksum do not match.
Display	Description																				
EXpected	Displays the expected checksum.																				
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NG	The expected value and the checksum do not match.																				

Item No.	Description																																								
U019	<p data-bbox="288 241 708 275">Displaying the firmware version</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 970 374">Displays the part number of the ROM fitted to each PWB.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1238 443">To check the part number or to decide, if the newest version of ROM is installed.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 954 584" style="list-style-type: none"> 1. Press the start key. The ROM version are displayed. 2. Change the screen using the cursor up/down keys. <table border="1" data-bbox="336 598 1401 1556"> <thead> <tr> <th data-bbox="336 598 639 642">Display</th> <th data-bbox="639 598 1401 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 642 639 687">Main</td> <td data-bbox="639 642 1401 687">Main firmware</td> </tr> <tr> <td data-bbox="336 687 639 732">MMI</td> <td data-bbox="639 687 1401 732">Operation firmware</td> </tr> <tr> <td data-bbox="336 732 639 777">Panel Main</td> <td data-bbox="639 732 1401 777">Operation firmware</td> </tr> <tr> <td data-bbox="336 777 639 822">Panel Boot</td> <td data-bbox="639 777 1401 822">Operation booting</td> </tr> <tr> <td data-bbox="336 822 639 866">Browser</td> <td data-bbox="639 822 1401 866">Browser firmware</td> </tr> <tr> <td data-bbox="336 866 639 911">Engine</td> <td data-bbox="639 866 1401 911">Engine firmware</td> </tr> <tr> <td data-bbox="336 911 639 956">Engine Boot</td> <td data-bbox="639 911 1401 956">Engine booting</td> </tr> <tr> <td data-bbox="336 956 639 1001">Scanner</td> <td data-bbox="639 956 1401 1001">Scanner firmware</td> </tr> <tr> <td data-bbox="336 1001 639 1046">Scanner Boot</td> <td data-bbox="639 1001 1401 1046">Scanner booting</td> </tr> <tr> <td data-bbox="336 1046 639 1090">RFID</td> <td data-bbox="639 1046 1401 1090">RFID firmware</td> </tr> <tr> <td data-bbox="336 1090 639 1135">IH CPU</td> <td data-bbox="639 1090 1401 1135">IH CPU firmware</td> </tr> <tr> <td data-bbox="336 1135 639 1180">IH CPU Boot</td> <td data-bbox="639 1135 1401 1180">IH CPU booting</td> </tr> <tr> <td data-bbox="336 1180 639 1225">Dictionary</td> <td data-bbox="639 1180 1401 1225">Dictionary software</td> </tr> <tr> <td data-bbox="336 1225 639 1270">Option Language</td> <td data-bbox="639 1225 1401 1270">Optional language firmware</td> </tr> <tr> <td data-bbox="336 1270 639 1314">OCR</td> <td data-bbox="639 1270 1401 1314">OCR software</td> </tr> <tr> <td data-bbox="336 1314 639 1359">Color Table1(Copy)</td> <td data-bbox="639 1314 1401 1359">Color table 1 (copy) software</td> </tr> <tr> <td data-bbox="336 1359 639 1404">Color Table2(Copy)</td> <td data-bbox="639 1359 1401 1404">Color table 2 (copy) software</td> </tr> <tr> <td data-bbox="336 1404 639 1449">Color Table1(Prn)</td> <td data-bbox="639 1404 1401 1449">Color table 1 (printer) software</td> </tr> <tr> <td data-bbox="336 1449 639 1494">Color Table2(Prn)</td> <td data-bbox="639 1449 1401 1494">Color table 2 (printer) software</td> </tr> </tbody> </table>	Display	Description	Main	Main firmware	MMI	Operation firmware	Panel Main	Operation firmware	Panel Boot	Operation booting	Browser	Browser firmware	Engine	Engine firmware	Engine Boot	Engine booting	Scanner	Scanner firmware	Scanner Boot	Scanner booting	RFID	RFID firmware	IH CPU	IH CPU firmware	IH CPU Boot	IH CPU booting	Dictionary	Dictionary software	Option Language	Optional language firmware	OCR	OCR software	Color Table1(Copy)	Color table 1 (copy) software	Color Table2(Copy)	Color table 2 (copy) software	Color Table1(Prn)	Color table 1 (printer) software	Color Table2(Prn)	Color table 2 (printer) software
Display	Description																																								
Main	Main firmware																																								
MMI	Operation firmware																																								
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Panel Boot	Operation booting																																								
Browser	Browser firmware																																								
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RFID	RFID firmware																																								
IH CPU	IH CPU firmware																																								
IH CPU Boot	IH CPU booting																																								
Dictionary	Dictionary software																																								
Option Language	Optional language firmware																																								
OCR	OCR software																																								
Color Table1(Copy)	Color table 1 (copy) software																																								
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Color Table2(Prn)	Color table 2 (printer) software																																								

Item No.	Description			
<p>U019</p>	<table border="1"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> </table>		Display	Description
	Display	Description		
	DP	Document processor firmware		
	DP Boot	Document processor booting		
	PF1	Paper feeder firmware		
	PF1 Boot	Paper feeder booting		
	DF	Document finisher firmware		
	DF Boot	Document finisher booting		
	MT	Mailbox firmware		
	MT BOOT	Mailbox booting		
	Fax APL1	FAX APL1		
	Fax Boot1	FAX boot1		
	Fax IPL1	FAX IPL1		
	Fax APL2	FAX APL2 (multi port)		
	Fax Boot2	FAX boot (multi port)		
	Fax IPL2	FAX IPL2 (multi port)		
	Mode1	Installed application name		
	Mode2	Installed application name		
	Mode3	Installed application name		
	Mode4	Installed application name		
Mode5	Installed application name			
<p>Completion Press the stop key. The screen for selecting a maintenance item No. is display.</p>				

Item No.	Description										
U021	<p data-bbox="287 241 534 275">Memory initializing</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 347 1423 448">Initializes all settings, except those pertinent to the type of machine, namely each counter, service call history and mode setting. Also initializes backup RAM according to region specification selected in maintenance item U252 Setting the destination.</p> <p data-bbox="287 452 399 486">Purpose</p> <p data-bbox="287 490 922 524">To return the machine settings to their factory default.</p> <p data-bbox="287 557 391 591">Method</p> <ol data-bbox="303 595 1380 757" style="list-style-type: none"> <li data-bbox="303 595 566 629">1. Press the start key. <li data-bbox="303 633 534 667">2. Select [Execute]. <li data-bbox="303 669 1348 725">3. Press the start key. All data other than that for adjustments due to variations between machines is initialized based on the destination setting. <li data-bbox="303 730 1380 763">4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="335 768 1061 801">* : An error code is displayed in case of an initialization error.</p> <p data-bbox="367 804 1428 860">When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U021.</p> <p data-bbox="335 904 486 938">Error codes</p> <table border="1" data-bbox="338 943 1401 1182"> <thead> <tr> <th data-bbox="338 943 641 987">Codes</th> <th data-bbox="641 943 1401 987">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 992 641 1037">0001</td> <td data-bbox="641 992 1401 1037">Entity error</td> </tr> <tr> <td data-bbox="338 1041 641 1086">0002</td> <td data-bbox="641 1041 1401 1086">Controller error</td> </tr> <tr> <td data-bbox="338 1090 641 1135">0020</td> <td data-bbox="641 1090 1401 1135">Engine error</td> </tr> <tr> <td data-bbox="338 1140 641 1184">0040</td> <td data-bbox="641 1140 1401 1184">Scanner error</td> </tr> </tbody> </table>	Codes	Description	0001	Entity error	0002	Controller error	0020	Engine error	0040	Scanner error
Codes	Description										
0001	Entity error										
0002	Controller error										
0020	Engine error										
0040	Scanner error										

Item No.	Description						
U024	<p>HDD formatting</p> <p>Description Initializes the hard disk.</p> <p>Purpose To initialize the hard disk when replacing the hard disk after shipping.</p> <p>Caution In addition, the following settings are also initialized by initializing the hard disk. System menu (user login administration, job accounting, address book, one-touch keys and document box etc.), shortcuts and panel programs When fully formatted, the following pre-installed software are removed. Option language, PDF1.7 resource, FMU, weekly timer, color table</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 801 1401 949"> <thead> <tr> <th data-bbox="336 801 639 853">Display</th> <th data-bbox="639 801 1401 853">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 853 639 898">Full</td> <td data-bbox="639 853 1401 898">Full format</td> </tr> <tr> <td data-bbox="336 898 639 949">Data</td> <td data-bbox="639 898 1401 949">Data format (the application software are retained)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press [Execute]. 4. Press the start key to initialize the hard disk. 5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Full	Full format	Data	Data format (the application software are retained)
Display	Description						
Full	Full format						
Data	Data format (the application software are retained)						
U025	<p>Firmware Update(Security)</p> <p>Description Used to execute FW-Update from the USB flash device while Very High is selected in the Security Level settings under the System Menu.</p> <p>Purpose Firmware upgrading is initiated by a service person to conduct U025 while a USB flash device is inserted.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Firmware upgrading will begin when power is toggled off and on after the message to urge power toggling is displayed. 4. After the firmware upgrade is completed normally, "FW-UPDATE Completed" will be displayed with the firmware version. <p>* : This is not executable when a USB has not been installed.</p>						

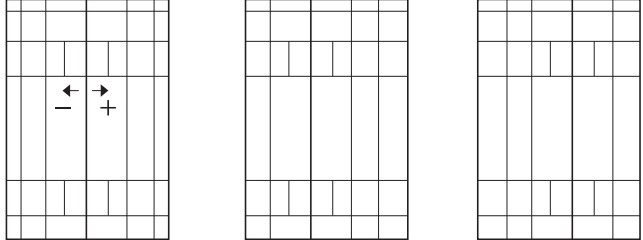
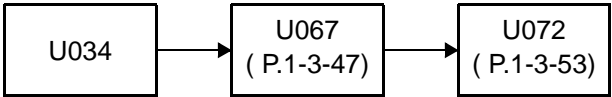
Item No.	Description																				
U026	<p>Pulling Backup Data</p> <p>Description Performs restoring of the backup data..</p> <p>Purpose Restores the setting values that was backed up in the flash memory from the HDD.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. * : NG will be displayed when an error was resulted at completion. <p>Saved data: U278 Setting the delivery date U402 Adjusting margins of image printing U952 Maintenance mode workflow</p>																				
U030	<p>Checking the operation of the motors</p> <p>Description Drives each motor.</p> <p>Purpose To check the operation of each motor.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the motor to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 1339 1401 1816"> <thead> <tr> <th data-bbox="336 1339 639 1384">Display</th> <th data-bbox="639 1339 1401 1384">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1384 639 1429">Feed</td> <td data-bbox="639 1384 1401 1429">Conveying motor (CM) is turned on</td> </tr> <tr> <td data-bbox="336 1429 639 1473">Exit(CW)</td> <td data-bbox="639 1429 1401 1473">Eject motor (EM) is turned on clockwise</td> </tr> <tr> <td data-bbox="336 1473 639 1518">Exit(CCW)</td> <td data-bbox="639 1473 1401 1518">Eject motor (EM) is turned on counterclockwise</td> </tr> <tr> <td data-bbox="336 1518 639 1563">Drum K</td> <td data-bbox="639 1518 1401 1563">Drum motor K (DRM-K) is turned on</td> </tr> <tr> <td data-bbox="336 1563 639 1608">Drum COL</td> <td data-bbox="639 1563 1401 1608">Drum motor YCM (DRM-YCM) is turned on</td> </tr> <tr> <td data-bbox="336 1608 639 1653">DLP K(CW)</td> <td data-bbox="639 1608 1401 1653">DLP motor K (DEVM-K) is turned on clockwise</td> </tr> <tr> <td data-bbox="336 1653 639 1697">DLP K(CCW)</td> <td data-bbox="639 1653 1401 1697">DLP motor K (DEVM-K) is turned on counterclockwise</td> </tr> <tr> <td data-bbox="336 1697 639 1742">DLP COL(CW)</td> <td data-bbox="639 1697 1401 1742">DLP motor YCM (DEVM-YCM) is turned on clockwise</td> </tr> <tr> <td data-bbox="336 1742 639 1787">DLP COL(CCW)</td> <td data-bbox="639 1742 1401 1787">DLP motor YCM (DEVM-YCM) is turned on counterclockwise</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	Conveying motor (CM) is turned on	Exit(CW)	Eject motor (EM) is turned on clockwise	Exit(CCW)	Eject motor (EM) is turned on counterclockwise	Drum K	Drum motor K (DRM-K) is turned on	Drum COL	Drum motor YCM (DRM-YCM) is turned on	DLP K(CW)	DLP motor K (DEVM-K) is turned on clockwise	DLP K(CCW)	DLP motor K (DEVM-K) is turned on counterclockwise	DLP COL(CW)	DLP motor YCM (DEVM-YCM) is turned on clockwise	DLP COL(CCW)	DLP motor YCM (DEVM-YCM) is turned on counterclockwise
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DLP COL(CW)	DLP motor YCM (DEVM-YCM) is turned on clockwise																				
DLP COL(CCW)	DLP motor YCM (DEVM-YCM) is turned on counterclockwise																				

Item No.	Description																								
U031	<p data-bbox="288 241 962 275">Checking switches and sensors for paper conveying</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1302 374">Displays the on-off status of each paper detection switch or sensor on the paper path.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1179 443">To check if the switches and sensors for paper conveying operate correctly.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 1134 584" style="list-style-type: none"> <li data-bbox="304 519 564 548">1. Press the start key. <li data-bbox="304 553 1134 584">2. Turn each switch or sensor on and off manually to check the status. <p data-bbox="333 589 1401 654">When a switch or sensor is detected to be in the ON position, the display for that switch or sensor will be "1".</p> <table border="1" data-bbox="336 665 1398 1240"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1398 710">Switches and sensors</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Regist</td> <td data-bbox="639 710 1398 754">Registration sensor (RS)</td> </tr> <tr> <td data-bbox="336 754 639 799">Fuser</td> <td data-bbox="639 754 1398 799">Fuser pre sensor (FUPS)</td> </tr> <tr> <td data-bbox="336 799 639 844">Duplex</td> <td data-bbox="639 799 1398 844">Duplex sensor (DUS)</td> </tr> <tr> <td data-bbox="336 844 639 889">Feed2</td> <td data-bbox="639 844 1398 889">Feed sensor 2 (FS2)</td> </tr> <tr> <td data-bbox="336 889 639 934">FeedDown Tray Full</td> <td data-bbox="639 889 1398 934">Paper full sensor (PFS)</td> </tr> <tr> <td data-bbox="336 934 639 978">Job Separator Full</td> <td data-bbox="639 934 1398 978">JOB paper full sensor (JPFS)</td> </tr> <tr> <td data-bbox="336 978 639 1023">Bridge Exit</td> <td data-bbox="639 978 1398 1023">Bridge eject sensor (BRES)</td> </tr> <tr> <td data-bbox="336 1023 639 1068">Fuser Jam</td> <td data-bbox="639 1023 1398 1068">Eject sensor (ES)</td> </tr> <tr> <td data-bbox="336 1068 639 1113">Feed</td> <td data-bbox="639 1068 1398 1113">Feed sensor (FS)</td> </tr> <tr> <td data-bbox="336 1113 639 1158">Bridge1</td> <td data-bbox="639 1113 1398 1158">Bridge conveying sensor1 (BRCS1)</td> </tr> <tr> <td data-bbox="336 1158 639 1202">Bridge2</td> <td data-bbox="639 1158 1398 1202">Bridge conveying sensor2 (BRCS2)</td> </tr> </tbody> </table> <p data-bbox="288 1317 440 1346">Completion</p> <p data-bbox="288 1350 1254 1379">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Switches and sensors	Regist	Registration sensor (RS)	Fuser	Fuser pre sensor (FUPS)	Duplex	Duplex sensor (DUS)	Feed2	Feed sensor 2 (FS2)	FeedDown Tray Full	Paper full sensor (PFS)	Job Separator Full	JOB paper full sensor (JPFS)	Bridge Exit	Bridge eject sensor (BRES)	Fuser Jam	Eject sensor (ES)	Feed	Feed sensor (FS)	Bridge1	Bridge conveying sensor1 (BRCS1)	Bridge2	Bridge conveying sensor2 (BRCS2)
Display	Switches and sensors																								
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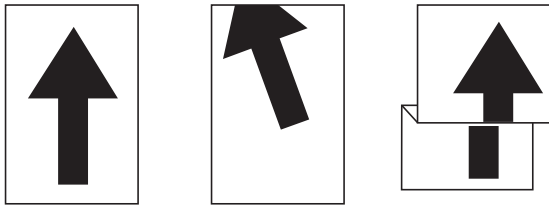
Item No.	Description																
U032	<p>Checking the operation of the clutches</p> <p>Description Turns each clutch on.</p> <p>Purpose To check the operation of each clutch.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the clutch to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 631 1399 1014"> <thead> <tr> <th data-bbox="336 631 639 678">Display</th> <th data-bbox="639 631 1399 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 639 725">Feed</td> <td data-bbox="639 678 1399 725">Paper feed clutch 1 (PFCL1) is turned on</td> </tr> <tr> <td data-bbox="336 725 639 772">Feed2</td> <td data-bbox="639 725 1399 772">Paper feed clutch 2 (PFCL2) is turned on</td> </tr> <tr> <td data-bbox="336 772 639 819">Regist</td> <td data-bbox="639 772 1399 819">Registration clutch (RCL) is turned on</td> </tr> <tr> <td data-bbox="336 819 639 866">Duplex</td> <td data-bbox="639 819 1399 866">Duplex clutch (DUCL) is turned on</td> </tr> <tr> <td data-bbox="336 866 639 913">Middle</td> <td data-bbox="639 866 1399 913">Middle clutch (MCL) is turned on</td> </tr> <tr> <td data-bbox="336 913 639 960">DLP</td> <td data-bbox="639 913 1399 960">Developer stop clutch (DEVSCCL) is turned on</td> </tr> <tr> <td data-bbox="336 960 639 1008">Motor</td> <td data-bbox="639 960 1399 1008">Motor ON</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	Paper feed clutch 1 (PFCL1) is turned on	Feed2	Paper feed clutch 2 (PFCL2) is turned on	Regist	Registration clutch (RCL) is turned on	Duplex	Duplex clutch (DUCL) is turned on	Middle	Middle clutch (MCL) is turned on	DLP	Developer stop clutch (DEVSCCL) is turned on	Motor	Motor ON
Display	Description																
Feed	Paper feed clutch 1 (PFCL1) is turned on																
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Duplex	Duplex clutch (DUCL) is turned on																
Middle	Middle clutch (MCL) is turned on																
DLP	Developer stop clutch (DEVSCCL) is turned on																
Motor	Motor ON																
U033	<p>Checking the operation of the solenoids</p> <p>Description Turns each solenoid on.</p> <p>Purpose To check the operation of each solenoid.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the solenoid to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 1610 1399 1753"> <thead> <tr> <th data-bbox="336 1610 639 1657">Display</th> <th data-bbox="639 1610 1399 1657">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1657 639 1704">MPT</td> <td data-bbox="639 1657 1399 1704">MP solenoid (MPSOL) is turned on</td> </tr> <tr> <td data-bbox="336 1704 639 1751">Eject</td> <td data-bbox="639 1704 1399 1751">Feedshift solenoid (FSSOL) is turned on</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MPT	MP solenoid (MPSOL) is turned on	Eject	Feedshift solenoid (FSSOL) is turned on										
Display	Description																
MPT	MP solenoid (MPSOL) is turned on																
Eject	Feedshift solenoid (FSSOL) is turned on																

Item No.	Description																										
U034	<p data-bbox="287 241 683 275">Adjusting the print start timing</p> <p data-bbox="287 309 440 342">Description Adjusts the leading edge registration or center line.</p> <p data-bbox="287 376 400 409">Purpose Make the adjustment if there is a regular error between the leading edges of the copy image and original. Make the adjustment if there is a regular error between the center lines of the copy image and original.</p> <p data-bbox="287 589 387 622">Method</p> <ol data-bbox="303 622 1276 689" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be adjusted. The screen for executing each item is displayed. <table border="1" data-bbox="336 701 1401 846"> <thead> <tr> <th data-bbox="336 701 639 745">Display</th> <th data-bbox="639 701 1401 745">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 745 639 790">LSU Out Top</td> <td data-bbox="639 745 1401 790">Leading edge registration adjustment</td> </tr> <tr> <td data-bbox="336 790 639 846">LSU Out Left</td> <td data-bbox="639 790 1401 846">Center line adjustment</td> </tr> </tbody> </table> <p data-bbox="287 891 611 925">Adjustment: LSU Out Top</p> <ol data-bbox="303 925 842 1059" style="list-style-type: none"> 1. Press the system menu key. 2. Press the start key to output a test pattern. 3. Press the system menu key. 4. Select the item to be adjusted. <table border="1" data-bbox="336 1070 1401 1406"> <thead> <tr> <th data-bbox="336 1070 528 1149">Display</th> <th data-bbox="528 1070 922 1149">Description</th> <th data-bbox="922 1070 1082 1149">Setting range</th> <th data-bbox="1082 1070 1193 1149">Initial setting</th> <th data-bbox="1193 1070 1401 1149">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1149 528 1238">MPT(L)</td> <td data-bbox="528 1149 922 1238">Paper feed from MP tray (when large size paper is used)</td> <td data-bbox="922 1149 1082 1238">-128 to 127</td> <td data-bbox="1082 1149 1193 1238">0</td> <td data-bbox="1193 1149 1401 1238">0.1 mm</td> </tr> <tr> <td data-bbox="336 1238 528 1328">Cassette(L)</td> <td data-bbox="528 1238 922 1328">Paper feed from cassette (when large size paper is used)</td> <td data-bbox="922 1238 1082 1328">-128 to 127</td> <td data-bbox="1082 1238 1193 1328">0</td> <td data-bbox="1193 1238 1401 1328">0.1 mm</td> </tr> <tr> <td data-bbox="336 1328 528 1406">Duplex(L)</td> <td data-bbox="528 1328 922 1406">Duplex mode (second) (when large size paper is used)</td> <td data-bbox="922 1328 1082 1406">-128 to 127</td> <td data-bbox="1082 1328 1193 1406">0</td> <td data-bbox="1193 1328 1401 1406">0.1 mm</td> </tr> </tbody> </table> <p data-bbox="336 1440 882 1473">Large size: 218 mm or more in width of paper.</p>	Display	Description	LSU Out Top	Leading edge registration adjustment	LSU Out Left	Center line adjustment	Display	Description	Setting range	Initial setting	Change in value per step	MPT(L)	Paper feed from MP tray (when large size paper is used)	-128 to 127	0	0.1 mm	Cassette(L)	Paper feed from cassette (when large size paper is used)	-128 to 127	0	0.1 mm	Duplex(L)	Duplex mode (second) (when large size paper is used)	-128 to 127	0	0.1 mm
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Duplex(L)	Duplex mode (second) (when large size paper is used)	-128 to 127	0	0.1 mm																							

Item No.	Description																																			
U034	<p data-bbox="304 241 1340 309">5. Change the setting value using the +/- keys or numeric keys. For output example 1, increase the value. For output example 2, decrease the value.</p> <div data-bbox="367 324 1189 660" style="text-align: center;"> <p data-bbox="555 593 710 622">Correct image</p> <p data-bbox="817 593 928 654">Output example 1</p> <p data-bbox="1050 593 1165 654">Output example 2</p> </div> <p data-bbox="783 683 938 712">Figure 1-3-4</p> <p data-bbox="304 750 766 779">6. Press the start key. The value is set.</p> <p data-bbox="288 855 391 884">Remark</p> <p data-bbox="288 891 1104 920">Changing the larger sizes settings affects those for the smaller sizes.</p> <p data-bbox="288 958 391 987">Caution</p> <p data-bbox="288 994 1401 1061">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="295 1075 901 1176" style="text-align: center;"> <pre> graph LR U034[U034] --> U066["U066 (P.1-3-46)"] U066 --> U071["U071 (P.1-3-51)"] </pre> </div> <p data-bbox="288 1220 614 1249">Adjustment: LSU Out Left</p> <ol data-bbox="304 1256 837 1388" style="list-style-type: none"> 1. Press the system menu key. 2. Press the start key to output a test pattern. 3. Press the system menu key. 4. Select the item to be adjusted. <table border="1" data-bbox="336 1400 1401 1841"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>MPT</td> <td>Paper feed from MP tray</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette1</td> <td>Paper feed from cassette 1</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette2</td> <td>Paper feed from cassette 2</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette3</td> <td>Paper feed from optional cassette 3</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Cassette4</td> <td>Paper feed from optional cassette 4</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> <tr> <td>Duplex</td> <td>Duplex mode (second)</td> <td>-128 to 127</td> <td>0</td> <td>0.1 mm</td> </tr> </tbody> </table>	Display	Description	Setting range	Initial setting	Change in value per step	MPT	Paper feed from MP tray	-128 to 127	0	0.1 mm	Cassette1	Paper feed from cassette 1	-128 to 127	0	0.1 mm	Cassette2	Paper feed from cassette 2	-128 to 127	0	0.1 mm	Cassette3	Paper feed from optional cassette 3	-128 to 127	0	0.1 mm	Cassette4	Paper feed from optional cassette 4	-128 to 127	0	0.1 mm	Duplex	Duplex mode (second)	-128 to 127	0	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step																																
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Cassette4	Paper feed from optional cassette 4	-128 to 127	0	0.1 mm																																
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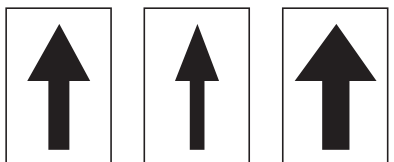
Item No.	Description
U034	<p data-bbox="304 241 1342 309">5. Change the setting value using the +/- keys or numeric keys. For output example 1, increase the value. For output example 2, decrease the value.</p> <div data-bbox="534 331 1189 728" style="text-align: center;"> <p data-bbox="534 331 767 398">Center line of printing (within ± 0.5 mm)</p>  <p data-bbox="550 667 707 696">Correct image</p> <p data-bbox="810 667 927 728">Output example 1</p> <p data-bbox="1043 667 1160 728">Output example 2</p> </div> <p data-bbox="783 750 938 779">Figure 1-3-5</p> <p data-bbox="304 819 767 848">6. Press the start key. The value is set.</p> <p data-bbox="288 891 392 920">Caution</p> <p data-bbox="288 925 1401 992">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="293 1003 906 1099" style="text-align: center;">  <pre> graph LR U034[U034] --> U067["U067 (P.1-3-47)"] U067 --> U072["U072 (P.1-3-53)"] </pre> </div> <p data-bbox="288 1149 440 1178">Completion</p> <p data-bbox="288 1182 1257 1211">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>


Item No.	Description												
U035	<p>Setting the printing area for folio paper</p> <p>Description Changes the printing area for copying on folio paper.</p> <p>Purpose To prevent cropped images on the trailing edge or left/right side of copy paper by setting the actual printing area for folio paper.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 667 1401 808"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Length</td> <td>Length</td> <td>330 to 356 mm</td> <td>330</td> </tr> <tr> <td>Width</td> <td>Width</td> <td>200 to 220 mm</td> <td>210</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Length	Length	330 to 356 mm	330	Width	Width	200 to 220 mm	210
Display	Description	Setting range	Initial setting										
Length	Length	330 to 356 mm	330										
Width	Width	200 to 220 mm	210										
U037	<p>Checking the operation of the fan motors</p> <p>Description Drives each fan motor.</p> <p>Purpose To check the operation of each fan motor.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the fan motor to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="336 1402 1401 1641"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>All</td> <td>All fan motors are turned on</td> </tr> <tr> <td>Low Power</td> <td>Power source fan motor (PSFM) is turned on</td> </tr> <tr> <td>LSU Cooling</td> <td>LSU Cooling fan motor (LSUFM) is turned on</td> </tr> <tr> <td>Container</td> <td>Container / IH coil fan motor (C/IHCFM) is turned on</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. To stop operation, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	All	All fan motors are turned on	Low Power	Power source fan motor (PSFM) is turned on	LSU Cooling	LSU Cooling fan motor (LSUFM) is turned on	Container	Container / IH coil fan motor (C/IHCFM) is turned on		
Display	Description												
All	All fan motors are turned on												
Low Power	Power source fan motor (PSFM) is turned on												
LSU Cooling	LSU Cooling fan motor (LSUFM) is turned on												
Container	Container / IH coil fan motor (C/IHCFM) is turned on												

Item No.	Description																				
U051	<p data-bbox="288 241 756 271">Adjusting the deflection in the paper</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 983 374">Adjusts the deflection in the paper at the registration roller.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1426 479">Make the adjustment if the leading edge of the copy image is missing or varies randomly, or if the copy paper is Z-folded.</p> <p data-bbox="288 517 440 546">Adjustment</p> <ol data-bbox="304 553 1058 719" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1399 974"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>MPT</td> <td>Paper feed from MP tray</td> <td>-30 to 10</td> <td>0</td> </tr> <tr> <td>Cassette</td> <td>Paper feed from cassette</td> <td>-30 to 10</td> <td>0</td> </tr> <tr> <td>PF</td> <td>Paper feed from paper feeder</td> <td>-30 to 10</td> <td>0</td> </tr> <tr> <td>Duplex</td> <td>Duplex mode (second)</td> <td>-30 to 10</td> <td>0</td> </tr> </tbody> </table> <ol data-bbox="304 1023 1426 1153" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For output example 1, increase the value. For output example 2, decrease the value. The greater the value, the larger the deflection; the smaller the value, the smaller the deflection. <div data-bbox="592 1180 1142 1449" style="text-align: center;">  <p data-bbox="619 1391 707 1420">Original</p> <p data-bbox="810 1391 927 1449">Copy example 1</p> <p data-bbox="1007 1391 1123 1449">Copy example 2</p> </div> <p data-bbox="783 1478 938 1507">Figure 1-3-6</p> <ol data-bbox="304 1550 767 1579" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1619 440 1648">Completion</p> <p data-bbox="288 1653 1246 1682">Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Setting range	Initial setting	MPT	Paper feed from MP tray	-30 to 10	0	Cassette	Paper feed from cassette	-30 to 10	0	PF	Paper feed from paper feeder	-30 to 10	0	Duplex	Duplex mode (second)	-30 to 10	0
Display	Description	Setting range	Initial setting																		
MPT	Paper feed from MP tray	-30 to 10	0																		
Cassette	Paper feed from cassette	-30 to 10	0																		
PF	Paper feed from paper feeder	-30 to 10	0																		
Duplex	Duplex mode (second)	-30 to 10	0																		

Item No.	Description																																			
U053	<p data-bbox="288 241 831 275">Setting the adjustment of the motor speed</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 927 374">Performs fine adjustment of the speeds of the motors.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1366 479">Basically, the setting need not be changed. Modify settings by interlock setting only if faulty images occur.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1102 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 629 1383 824"> <thead> <tr> <th data-bbox="336 629 564 680">Display</th> <th data-bbox="564 629 1383 680">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 564 725">Full</td> <td data-bbox="564 680 1383 725">Speed correction value setting at full velocity</td> </tr> <tr> <td data-bbox="336 725 564 770">Half</td> <td data-bbox="564 725 1383 770">Speed correction value setting at half velocity</td> </tr> <tr> <td data-bbox="336 770 564 824">3/4</td> <td data-bbox="564 770 1383 824">Speed correction value setting at 3/4 velocity</td> </tr> </tbody> </table> <p data-bbox="288 871 384 900">Setting</p> <ol data-bbox="304 907 699 936" style="list-style-type: none"> 1. Select the item to be adjusted. <table border="1" data-bbox="336 952 1383 1420"> <thead> <tr> <th data-bbox="336 952 564 1032">Display</th> <th data-bbox="564 952 1217 1032">Description</th> <th data-bbox="1217 952 1383 1032">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1032 564 1077">Feed</td> <td data-bbox="564 1032 1217 1077">Conveying motor 1 (CM1) speed adjustment</td> <td data-bbox="1217 1032 1383 1077">-50 to 50</td> </tr> <tr> <td data-bbox="336 1077 564 1122">Exit</td> <td data-bbox="564 1077 1217 1122">Eject motor (EM) speed adjustment</td> <td data-bbox="1217 1077 1383 1122">-40 to 40</td> </tr> <tr> <td data-bbox="336 1122 564 1167">Drum(CMY)</td> <td data-bbox="564 1122 1217 1167">Drum motor (DRM-YCM) speed adjustment</td> <td data-bbox="1217 1122 1383 1167">-50 to 50</td> </tr> <tr> <td data-bbox="336 1167 564 1211">Drum(K)</td> <td data-bbox="564 1167 1217 1211">Drum motor (DRM-K) speed adjustment</td> <td data-bbox="1217 1167 1383 1211">-50 to 50</td> </tr> <tr> <td data-bbox="336 1211 564 1256">DLP(CMY)</td> <td data-bbox="564 1211 1217 1256">DLP motor (DEVM-YCM) speed adjustment</td> <td data-bbox="1217 1211 1383 1256">-50 to 50</td> </tr> <tr> <td data-bbox="336 1256 564 1301">DLP(K)</td> <td data-bbox="564 1256 1217 1301">DLP motor (DEVM-K) speed adjustment</td> <td data-bbox="1217 1256 1383 1301">-50 to 50</td> </tr> <tr> <td data-bbox="336 1301 564 1346">Fixing</td> <td data-bbox="564 1301 1217 1346">Fixing motor(FUM) speed adjustment</td> <td data-bbox="1217 1301 1383 1346">-50 to 50</td> </tr> <tr> <td data-bbox="336 1346 564 1420">Feed2</td> <td data-bbox="564 1346 1217 1420">Conveying motor 2 (CM2) speed adjustment</td> <td data-bbox="1217 1346 1383 1420">-50 to 50</td> </tr> </tbody> </table> <ol data-bbox="304 1444 1054 1509" style="list-style-type: none"> 2. Change the setting value using the +/- keys or numeric keys. 3. Press the start key. The value is set. <p data-bbox="288 1581 440 1610">Completion</p> <p data-bbox="288 1617 1246 1646">Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Full	Speed correction value setting at full velocity	Half	Speed correction value setting at half velocity	3/4	Speed correction value setting at 3/4 velocity	Display	Description	Setting range	Feed	Conveying motor 1 (CM1) speed adjustment	-50 to 50	Exit	Eject motor (EM) speed adjustment	-40 to 40	Drum(CMY)	Drum motor (DRM-YCM) speed adjustment	-50 to 50	Drum(K)	Drum motor (DRM-K) speed adjustment	-50 to 50	DLP(CMY)	DLP motor (DEVM-YCM) speed adjustment	-50 to 50	DLP(K)	DLP motor (DEVM-K) speed adjustment	-50 to 50	Fixing	Fixing motor(FUM) speed adjustment	-50 to 50	Feed2	Conveying motor 2 (CM2) speed adjustment	-50 to 50
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Feed2	Conveying motor 2 (CM2) speed adjustment	-50 to 50																																		

Item No.	Description										
U061	<p>Checking the operation of the exposure lamp</p> <p>Description Lights the exposure lamp.</p> <p>Purpose To check whether the exposure lamp are turned on.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 603 640">Display</th> <th data-bbox="603 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 603 685">CCD</td> <td data-bbox="603 640 1401 685">The exposure lamp lights</td> </tr> <tr> <td data-bbox="336 685 603 741">CIS</td> <td data-bbox="603 685 1401 741">The CIS lights (when dual scan DP is installed)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The lamp lights. 4. To turn the lamp off, press the stop key. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	The exposure lamp lights	CIS	The CIS lights (when dual scan DP is installed)				
Display	Description										
CCD	The exposure lamp lights										
CIS	The CIS lights (when dual scan DP is installed)										
U063	<p>Adjusting the shading position</p> <p>Description Changes the shading position of the scanner.</p> <p>Purpose Used when the white line continue to appear longitudinally on the image after the shading plate is cleaned. This is due to flaws or stains inside the shading plate. To prevent this problem, the shading position should be changed so that shading is possible without being affected by the flaws or stains.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Position]. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1458 1401 1590"> <thead> <tr> <th data-bbox="336 1458 528 1541">Display</th> <th data-bbox="528 1458 922 1541">Description</th> <th data-bbox="922 1458 1082 1541">Setting range</th> <th data-bbox="1082 1458 1193 1541">Initial setting</th> <th data-bbox="1193 1458 1401 1541">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1541 528 1590">Position</td> <td data-bbox="528 1541 922 1590">Shading position</td> <td data-bbox="922 1541 1082 1590">0 to 18</td> <td data-bbox="1082 1541 1193 1590">0</td> <td data-bbox="1193 1541 1401 1590">0.16 mm</td> </tr> </tbody> </table> <p>Increasing the value moves the shading position toward the machine left, and decreasing it moves the position toward the machine right.</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Position	Shading position	0 to 18	0	0.16 mm
Display	Description	Setting range	Initial setting	Change in value per step							
Position	Shading position	0 to 18	0	0.16 mm							

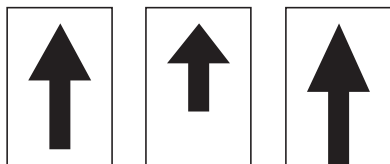
Item No.	Description															
U065	<p data-bbox="288 241 754 271">Adjusting the scanner magnification</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 879 374">Adjusts the magnification of the original scanning.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1276 443">Make the adjustment if the magnification in the main scanning direction is incorrect.</p> <p data-bbox="288 448 1318 477">Make the adjustment if the magnification in the auxiliary scanning direction is incorrect.</p> <p data-bbox="288 517 392 546">Caution</p> <p data-bbox="288 551 1015 580">Adjust the magnification of the scanner in the following order.</p> <div data-bbox="304 600 687 689" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">U065 main scan- ning direction</div> <div style="font-size: 24px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">U065 auxiliary scan- ning direction</div> </div> </div> <p data-bbox="288 741 387 770">Method</p> <ol data-bbox="304 777 1058 943" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 958 1401 1205" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Main Scan</td> <td>Scanner magnification in the main scanning direction</td> <td>-75 to 75</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Sub Scan</td> <td>Scanner magnification in the auxiliary scanning direction</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> </tbody> </table> <p data-bbox="288 1249 608 1279">Adjustment: [Main Scan]</p> <ol data-bbox="304 1285 1305 1350" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div data-bbox="671 1373 1066 1597" style="text-align: center; margin: 10px 0;">  <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;">Original</div> <div style="text-align: center;">Copy example 1</div> <div style="text-align: center;">Copy example 2</div> </div> </div> <p data-bbox="783 1626 938 1655" style="text-align: center;">Figure 1-3-7</p> <ol data-bbox="304 1693 767 1722" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Setting range	Initial setting	Change in value per step	Main Scan	Scanner magnification in the main scanning direction	-75 to 75	0	0.02 %	Sub Scan	Scanner magnification in the auxiliary scanning direction	-125 to 125	0	0.02 %
Display	Description	Setting range	Initial setting	Change in value per step												
Main Scan	Scanner magnification in the main scanning direction	-75 to 75	0	0.02 %												
Sub Scan	Scanner magnification in the auxiliary scanning direction	-125 to 125	0	0.02 %												


Item No.	Description
U065	<p data-bbox="288 241 596 275">Adjustment: [Sub Scan]</p> <p data-bbox="304 277 1302 342">1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value.</p> <div data-bbox="675 367 1062 591" style="text-align: center;"><p data-bbox="683 533 1054 591">Original Copy example 1 Copy example 2</p></div> <p data-bbox="783 620 938 654" style="text-align: center;">Figure 1-3-8</p> <p data-bbox="304 689 767 723">2. Press the start key. The value is set.</p> <p data-bbox="288 759 440 792">Completion</p> <p data-bbox="288 795 1254 828">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																				
U066	<p data-bbox="288 241 900 271">Adjusting the scanner leading edge registration</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1117 374">Adjusts the scanner leading edge registration of the original scanning.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1426 479">Make the adjustment if there is a regular error between the leading edges of the copy image and original.</p> <p data-bbox="288 517 440 546">Adjustment</p> <ol data-bbox="304 553 1058 719" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 981"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>Scanner leading edge registration</td> <td>-30 to 30</td> <td>0</td> <td>0.158 mm</td> </tr> <tr> <td>Rotate</td> <td>Scanner leading edge registration (rotate copying)</td> <td>-30 to 30</td> <td>0</td> <td>0.158mm</td> </tr> </tbody> </table> <ol data-bbox="304 994 1302 1059" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div data-bbox="619 1084 1182 1391" style="text-align: center;"> <p>Scanner leading edge registration (within ± 2.5 mm)</p> <p>Original Copy example 1 Copy example 2</p> </div> <p data-bbox="783 1422 938 1451">Figure 1-3-9</p> <ol data-bbox="304 1489 767 1518" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1559 392 1588">Caution</p> <p data-bbox="288 1592 1401 1657">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="293 1675 903 1771" style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U034 (P.1-3-37)</td> <td style="padding: 5px; text-align: center;">→</td> <td style="padding: 5px;">U065 (P.1-3-44)</td> <td style="padding: 5px; text-align: center;">→</td> <td style="padding: 5px;">U066</td> </tr> </table> </div> <p data-bbox="288 1818 440 1848">Completion</p> <p data-bbox="288 1852 1254 1881">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Scanner leading edge registration	-30 to 30	0	0.158 mm	Rotate	Scanner leading edge registration (rotate copying)	-30 to 30	0	0.158mm	U034 (P.1-3-37)	→	U065 (P.1-3-44)	→	U066
Display	Description	Setting range	Initial setting	Change in value per step																	
Front	Scanner leading edge registration	-30 to 30	0	0.158 mm																	
Rotate	Scanner leading edge registration (rotate copying)	-30 to 30	0	0.158mm																	
U034 (P.1-3-37)	→	U065 (P.1-3-44)	→	U066																	


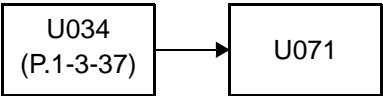
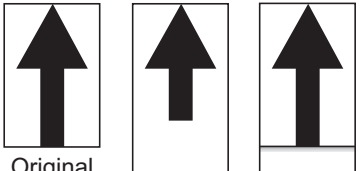
Item No.	Description																				
U067	<p>Adjusting the scanner center line</p> <p>Description Adjusts the scanner center line of the original scanning.</p> <p>Purpose Perform this adjustment if there is a unmatched error between the center lines of the copy image and original.</p> <p>Adjustment</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 949"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>Scanner center line</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>Rotate</td> <td>Scanner center line (rotate copying)</td> <td>-40 to 40</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div data-bbox="646 1043 1070 1339" style="text-align: center;"> <p>Scanner center line (within ± 2.0 mm)</p> </div> <p>Figure 1-3-10</p> <ol style="list-style-type: none"> 7. Press the start key. The value is set. <p>Caution Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="293 1615 903 1711" style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U034 (P.1-3-37)</td> <td style="padding: 5px; text-align: center;">→</td> <td style="padding: 5px;">U065 (P.1-3-44)</td> <td style="padding: 5px; text-align: center;">→</td> <td style="padding: 5px;">U067</td> </tr> </table> </div> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Scanner center line	-60 to 60	0	0.085 mm	Rotate	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm	U034 (P.1-3-37)	→	U065 (P.1-3-44)	→	U067
Display	Description	Setting range	Initial setting	Change in value per step																	
Front	Scanner center line	-60 to 60	0	0.085 mm																	
Rotate	Scanner center line (rotate copying)	-40 to 40	0	0.085 mm																	
U034 (P.1-3-37)	→	U065 (P.1-3-44)	→	U067																	

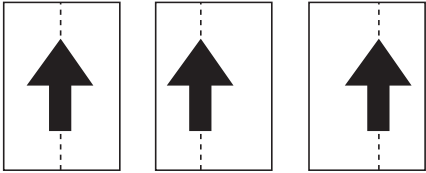
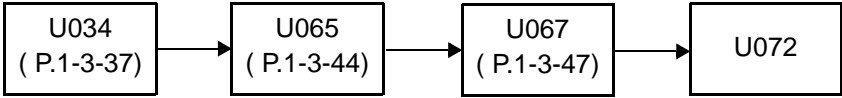
Item No.	Description															
U068	<p data-bbox="288 241 1021 275">Adjusting the scanning position for originals from the DP</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 1414 412">Adjusts the position for scanning originals from the DP. Performs the test copy at the four scanning positions after adjusting.</p> <p data-bbox="288 414 400 448">Purpose</p> <p data-bbox="288 450 1426 517">Used when the image fogging occurs because the scanning position is not proper when the DP is used. Run U071 to adjust the timing of DP leading edge when the scanning position is changed.</p> <p data-bbox="288 551 384 584">Setting</p> <p data-bbox="304 586 564 620">1. Press the start key.</p> <table border="1" data-bbox="336 631 1399 880"> <thead> <tr> <th data-bbox="336 631 528 710">Display</th> <th data-bbox="528 631 922 710">Description</th> <th data-bbox="922 631 1082 710">Setting range</th> <th data-bbox="1082 631 1193 710">Initial setting</th> <th data-bbox="1193 631 1399 710">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 528 788">DP Read</td> <td data-bbox="528 710 922 788">Starting position adjustment for scanning originals</td> <td data-bbox="922 710 1082 788">-38 to 38</td> <td data-bbox="1082 710 1193 788">0</td> <td data-bbox="1193 710 1399 788">0.158 mm</td> </tr> <tr> <td data-bbox="336 788 528 880">Black Line</td> <td data-bbox="528 788 922 880">Scanning position for the test copy originals</td> <td data-bbox="922 788 1082 880">0 to 3</td> <td data-bbox="1082 788 1193 880">0</td> <td data-bbox="1193 788 1399 880">-</td> </tr> </tbody> </table> <p data-bbox="304 898 549 931">2. Select [DP Read].</p> <p data-bbox="304 934 984 967">3. Change the setting using the +/- keys or numeric keys.</p> <p data-bbox="333 969 1426 1037">When the setting value is increased, the scanning position moves to the right and it moves to the left when the setting value is decreased.</p> <p data-bbox="304 1039 767 1072">4. Press the start key. The value is set.</p> <p data-bbox="304 1075 564 1108">5. Select [Black Line].</p> <p data-bbox="304 1111 1064 1144">6. Change the setting using the cursor +/- keys or numeric keys.</p> <p data-bbox="304 1146 767 1180">7. Press the start key. The value is set.</p> <p data-bbox="304 1182 1418 1216">8. Set the original (the one which density is known) in the DP and press the system menu key.</p> <p data-bbox="304 1218 834 1252">9. Press the start key. Test copy is executed.</p> <p data-bbox="288 1254 1426 1321">10. Perform the test copy at each scanning position with the setting value from 0 to 3 and check that no black line appears and the image is normally scanned.</p> <p data-bbox="288 1355 440 1388">Completion</p> <p data-bbox="288 1391 1254 1424">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	DP Read	Starting position adjustment for scanning originals	-38 to 38	0	0.158 mm	Black Line	Scanning position for the test copy originals	0 to 3	0	-
Display	Description	Setting range	Initial setting	Change in value per step												
DP Read	Starting position adjustment for scanning originals	-38 to 38	0	0.158 mm												
Black Line	Scanning position for the test copy originals	0 to 3	0	-												

Item No.	Description																									
U070	<p data-bbox="287 241 694 275">Adjusting the DP magnification</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 766 378">Adjusts the DP original scanning speed.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1412 483">Perform this adjustment if the magnification is incorrect in the auxiliary scanning direction when the DP is used.</p> <p data-bbox="287 517 438 551">Adjustment</p> <ol data-bbox="303 553 1181 721" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="335 734 1396 1216"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Sub Scan(F)</td> <td>Magnification in the auxiliary scanning direction of CCD (first side)</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Sub Scan(B)^{*1}</td> <td>Magnification in the auxiliary scanning direction of CCD (second side)</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Main Scan(CIS)^{*2}</td> <td>Magnification in the main scanning direction of CIS</td> <td>-100 to 100</td> <td>0</td> <td>0.02 %</td> </tr> <tr> <td>Sub Scan(CIS)^{*2}</td> <td>Magnification in the auxiliary scanning direction of CIS</td> <td>-125 to 125</td> <td>0</td> <td>0.02 %</td> </tr> </tbody> </table> <p data-bbox="287 1245 837 1279">*1: Reversed DP only. *2: Dual scan DP only.</p> <p data-bbox="287 1312 598 1346">Adjustment: [Sub Scan]</p> <ol data-bbox="303 1348 1412 1482" style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value makes the image longer, while decreasing the value makes the image shorter. <div data-bbox="670 1505 1061 1729" style="text-align: center;">  <p data-bbox="678 1671 1053 1729">Original Copy example 1 Copy example 2</p> </div> <p data-bbox="774 1756 949 1789">Figure 1-3-11</p> <ol data-bbox="303 1823 766 1856" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Setting range	Initial setting	Change in value per step	Sub Scan(F)	Magnification in the auxiliary scanning direction of CCD (first side)	-125 to 125	0	0.02 %	Sub Scan(B) ^{*1}	Magnification in the auxiliary scanning direction of CCD (second side)	-125 to 125	0	0.02 %	Main Scan(CIS) ^{*2}	Magnification in the main scanning direction of CIS	-100 to 100	0	0.02 %	Sub Scan(CIS) ^{*2}	Magnification in the auxiliary scanning direction of CIS	-125 to 125	0	0.02 %
Display	Description	Setting range	Initial setting	Change in value per step																						
Sub Scan(F)	Magnification in the auxiliary scanning direction of CCD (first side)	-125 to 125	0	0.02 %																						
Sub Scan(B) ^{*1}	Magnification in the auxiliary scanning direction of CCD (second side)	-125 to 125	0	0.02 %																						
Main Scan(CIS) ^{*2}	Magnification in the main scanning direction of CIS	-100 to 100	0	0.02 %																						
Sub Scan(CIS) ^{*2}	Magnification in the auxiliary scanning direction of CIS	-125 to 125	0	0.02 %																						

Item No.	Description
U070	<p data-bbox="290 241 606 275">Adjustment: [Main Scan]</p> <p data-bbox="306 280 1302 378">1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the setting enlarges the image and decreasing it narrows the image.</p> <div data-bbox="667 405 1054 627" style="text-align: center;"><p data-bbox="676 566 1054 627">Original Copy example 1 Copy example 2</p></div> <p data-bbox="778 651 943 685" style="text-align: center;">Figure 1-3-12</p> <p data-bbox="306 719 766 752">2. Press the start key. The value is set.</p> <p data-bbox="290 790 440 824">Completion</p> <p data-bbox="290 826 1254 860">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																																																								
U071	<p data-bbox="288 241 721 275">Adjusting the DP scanning timing</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 762 376">Adjusts the DP original scanning timing.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1422 479">Make the adjustment if there is a regular error between the leading or trailing edges of the original and the copy image when the DP is used.</p> <p data-bbox="288 515 387 544">Method</p> <ol data-bbox="304 553 1182 719" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <p data-bbox="336 723 746 754">Reversed DP (DP-770(B)/DP-773)</p> <table border="1" data-bbox="336 768 1401 1182"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Front Head</td> <td rowspan="2">Leading edge registration of CCD (first side)</td> <td>-32 to 32</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>-66 to 66</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>Front Tail</td> <td>Trailing edge registration of CCD (first side)</td> <td>-32 to 32 -66 to 66</td> <td>0 0</td> <td>0.085 mm 0.085 mm</td> </tr> <tr> <td rowspan="2">Back Head</td> <td rowspan="2">Leading edge registration of CCD (second side)</td> <td>-32 to 32</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>-66 to 66</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>Back Tail</td> <td>Trailing edge registration of CCD (second side)</td> <td>-32 to 32 -66 to 66</td> <td>0 0</td> <td>0.085 mm 0.085 mm</td> </tr> </tbody> </table> <p data-bbox="336 1225 617 1256">Dual scan DP (DP-772)</p> <table border="1" data-bbox="336 1267 1401 1648"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front Head</td> <td>Leading edge registration of CCD (first side)</td> <td>-27 to 27</td> <td>0</td> <td>0.119 mm</td> </tr> <tr> <td>Front Tail</td> <td>Trailing edge registration of CCD (first side)</td> <td>-27 to 27</td> <td>0</td> <td>0.119 mm</td> </tr> <tr> <td>CIS Head</td> <td>Leading edge registration of CIS</td> <td>-27 to 27</td> <td>0</td> <td>0.119 mm</td> </tr> <tr> <td>CIS Tail</td> <td>Trailing edge registration of CIS</td> <td>-27 to 27</td> <td>0</td> <td>0.119 mm</td> </tr> </tbody> </table>	Display	Description	Setting range	Initial setting	Change in value per step	Front Head	Leading edge registration of CCD (first side)	-32 to 32	0	0.085 mm	-66 to 66	0	0.085 mm	Front Tail	Trailing edge registration of CCD (first side)	-32 to 32 -66 to 66	0 0	0.085 mm 0.085 mm	Back Head	Leading edge registration of CCD (second side)	-32 to 32	0	0.085 mm	-66 to 66	0	0.085 mm	Back Tail	Trailing edge registration of CCD (second side)	-32 to 32 -66 to 66	0 0	0.085 mm 0.085 mm	Display	Description	Setting range	Initial setting	Change in value per step	Front Head	Leading edge registration of CCD (first side)	-27 to 27	0	0.119 mm	Front Tail	Trailing edge registration of CCD (first side)	-27 to 27	0	0.119 mm	CIS Head	Leading edge registration of CIS	-27 to 27	0	0.119 mm	CIS Tail	Trailing edge registration of CIS	-27 to 27	0	0.119 mm
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CIS Tail	Trailing edge registration of CIS	-27 to 27	0	0.119 mm																																																					

Item No.	Description
U071	<p>Adjustment: Leading edge registration</p> <p>1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. Increasing the value moves the image forward and decreasing the value moves the image backward.</p> <div data-bbox="655 434 1066 674" style="text-align: center;">  <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-13</p> <p>2. Press the start key. The value is set.</p> <p>Caution If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment. If the above adjustment does not optimize the leading edge registration, proceed with the following maintenance modes.</p> <div data-bbox="295 1025 678 1120" style="text-align: center;">  </div> <p>Adjustment: Trailing edge registration</p> <p>1. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value.</p> <div data-bbox="679 1294 1043 1534" style="text-align: center;">  <p>Original Copy example 1 Copy example 2</p> </div> <p style="text-align: center;">Figure 1-3-14</p> <p>2. Press the start key. The value is set.</p> <p>Caution If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																				
U072	<p data-bbox="288 241 651 275">Adjusting the DP center line</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 927 378">Adjusts the scanning start position for the DP original.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 1426 483">Perform the adjustment if there is a regular error between the centers of the original and the copy image when the DP is used.</p> <p data-bbox="288 517 440 551">Adjustment</p> <ol data-bbox="304 553 1185 723" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 734 1401 963"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Front</td> <td>DP center line (first side)</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>Back</td> <td>DP center line (second side)</td> <td>-60 to 60</td> <td>0</td> <td>0.085 mm</td> </tr> <tr> <td>CIS*</td> <td>CIS center line</td> <td>-39 to 39</td> <td>0</td> <td>0.085 mm</td> </tr> </tbody> </table> <p data-bbox="317 981 568 1014">*: Dual scan DP only</p> <ol data-bbox="304 1016 1302 1084" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, increase the value. For copy example 2, decrease the value. <div data-bbox="655 1111 1082 1346" style="text-align: center;">  <p data-bbox="671 1285 759 1319">Original</p> <p data-bbox="815 1285 927 1341">Copy example 1</p> <p data-bbox="967 1285 1082 1341">Copy example 2</p> </div> <p data-bbox="775 1361 946 1395">Figure 1-3-15</p> <ol data-bbox="304 1435 767 1469" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1503 392 1536">Caution</p> <p data-bbox="288 1538 1382 1606">If the first side is adjusted, check the second side and if adjustment is required, carry out the adjustment.</p> <p data-bbox="288 1608 1401 1675">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="293 1686 1137 1783" style="text-align: center;">  <pre> graph LR U034["U034 (P.1-3-37)"] --> U065["U065 (P.1-3-44)"] U065 --> U067["U067 (P.1-3-47)"] U067 --> U072["U072"] </pre> </div> <p data-bbox="288 1832 440 1865">Completion</p> <p data-bbox="288 1868 1254 1901">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	DP center line (first side)	-60 to 60	0	0.085 mm	Back	DP center line (second side)	-60 to 60	0	0.085 mm	CIS*	CIS center line	-39 to 39	0	0.085 mm
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CIS*	CIS center line	-39 to 39	0	0.085 mm																	

Item No.	Description																																																						
U073	<p data-bbox="288 241 702 275">Checking the scanner operation</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 1037 378">Simulates the scanner operation under the arbitrary conditions.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 1409 483">To check the scanner operation. This is also done to check the accumulation of dust on the slit glass.</p> <p data-bbox="288 517 387 551">Method</p> <ol data-bbox="304 553 702 620" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. <table border="1" data-bbox="336 631 1401 873"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Scanner Motor</td> <td data-bbox="639 676 1401 721">Scanner operation</td> </tr> <tr> <td data-bbox="336 721 639 766">Home Position</td> <td data-bbox="639 721 1401 766">Home position operation</td> </tr> <tr> <td data-bbox="336 766 639 810">Dust Check</td> <td data-bbox="639 766 1401 810">Dust adhesion check operation with lamp on</td> </tr> <tr> <td data-bbox="336 810 639 873">DP Reading</td> <td data-bbox="639 810 1401 873">DP scanning position operation</td> </tr> </tbody> </table> <p data-bbox="288 913 606 947">Setting: [Scanner Motor]</p> <ol data-bbox="304 949 984 1052" style="list-style-type: none"> 1. Select [Scanner Motor]. 2. Select the item. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1064 1401 1254"> <thead> <tr> <th data-bbox="336 1064 563 1108">Display</th> <th data-bbox="563 1064 1094 1108">Operating conditions</th> <th data-bbox="1094 1064 1401 1108">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1108 563 1153">Zoom</td> <td data-bbox="563 1108 1094 1153">Magnification</td> <td data-bbox="1094 1108 1401 1153">25 to 400 %</td> </tr> <tr> <td data-bbox="336 1153 563 1198">Size</td> <td data-bbox="563 1153 1094 1198">Original size</td> <td data-bbox="1094 1153 1401 1198">See below.</td> </tr> <tr> <td data-bbox="336 1198 563 1254">Lamp</td> <td data-bbox="563 1198 1094 1254">On and off of the exposure lamp</td> <td data-bbox="1094 1198 1401 1254">0 (off) or 1 (on)</td> </tr> </tbody> </table> <p data-bbox="336 1294 785 1328">Original sizes for each setting in SIZE</p> <table border="1" data-bbox="336 1339 1401 1722"> <thead> <tr> <th data-bbox="336 1339 603 1384">Setting</th> <th data-bbox="603 1339 869 1384">Paper size</th> <th data-bbox="869 1339 1136 1384">Setting</th> <th data-bbox="1136 1339 1401 1384">Paper size</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1384 603 1429">5000</td> <td data-bbox="603 1384 869 1429">A4</td> <td data-bbox="869 1384 1136 1429">5000</td> <td data-bbox="1136 1384 1401 1429">A5R</td> </tr> <tr> <td data-bbox="336 1429 603 1473">4300</td> <td data-bbox="603 1429 869 1473">B5</td> <td data-bbox="869 1429 1136 1473">7800</td> <td data-bbox="1136 1429 1401 1473">Folio</td> </tr> <tr> <td data-bbox="336 1473 603 1518">5100</td> <td data-bbox="603 1473 869 1518">11" x 8 1/2"</td> <td data-bbox="869 1473 1136 1518">10200</td> <td data-bbox="1136 1473 1401 1518">11" x 17"</td> </tr> <tr> <td data-bbox="336 1518 603 1563">10000</td> <td data-bbox="603 1518 869 1563">A3</td> <td data-bbox="869 1518 1136 1563">9000</td> <td data-bbox="1136 1518 1401 1563">11" x 15"</td> </tr> <tr> <td data-bbox="336 1563 603 1608">8600</td> <td data-bbox="603 1563 869 1608">B4</td> <td data-bbox="869 1563 1136 1608">8400</td> <td data-bbox="1136 1563 1401 1608">8 1/2" x 14"</td> </tr> <tr> <td data-bbox="336 1608 603 1653">7100</td> <td data-bbox="603 1608 869 1653">A4R</td> <td data-bbox="869 1608 1136 1653">6600</td> <td data-bbox="1136 1608 1401 1653">8 1/2" x 11"</td> </tr> <tr> <td data-bbox="336 1653 603 1722">6100</td> <td data-bbox="603 1653 869 1722">B5R</td> <td data-bbox="869 1653 1136 1722">5100</td> <td data-bbox="1136 1653 1401 1722">5 1/2" x 8 1/2"</td> </tr> </tbody> </table> <ol data-bbox="304 1733 1117 1868" style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Select [Execute]. 6. Press the start key. Scanning starts under the selected conditions. 7. To stop operation, press the stop key. 	Display	Description	Scanner Motor	Scanner operation	Home Position	Home position operation	Dust Check	Dust adhesion check operation with lamp on	DP Reading	DP scanning position operation	Display	Operating conditions	Setting range	Zoom	Magnification	25 to 400 %	Size	Original size	See below.	Lamp	On and off of the exposure lamp	0 (off) or 1 (on)	Setting	Paper size	Setting	Paper size	5000	A4	5000	A5R	4300	B5	7800	Folio	5100	11" x 8 1/2"	10200	11" x 17"	10000	A3	9000	11" x 15"	8600	B4	8400	8 1/2" x 14"	7100	A4R	6600	8 1/2" x 11"	6100	B5R	5100	5 1/2" x 8 1/2"
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Item No.	Description								
U073	<p>Method: [Home Position]</p> <ol style="list-style-type: none"> 1. Select [Home Position]. 2. Press the start key. The mirror frame of the scanner moves to the home position. <p>Method: [Dust Check]</p> <ol style="list-style-type: none"> 1. Select [Dust Check]. 2. Press the start key. The exposure lamp lights. 3. To turn the exposure lamp off, press the stop key. <p>Method: [DP Reading]</p> <ol style="list-style-type: none"> 1. Select [DP Reading]. 2. Press the start key. The mirror frame of the scanner moves to the reading position. <p>Completion</p> <p>Press the stop key when scanning stops. The screen for selecting a maintenance item No. is displayed.</p>								
U074	<p>Adjusting the DP input light luminosity</p> <p>Description</p> <p>Sets the luminosity correction for scanning originals from the DP.</p> <p>Purpose</p> <p>Modify the setting only if a spotted background appears when a bluish original is scanned from the DP.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="347 1330 1412 1453"> <thead> <tr> <th data-bbox="347 1330 576 1406">Display</th> <th data-bbox="576 1330 1046 1406">Description</th> <th data-bbox="1046 1330 1230 1406">Setting range</th> <th data-bbox="1230 1330 1412 1406">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 1406 576 1453">Coefficient</td> <td data-bbox="576 1406 1046 1453">DP input light luminosity correction</td> <td data-bbox="1046 1406 1230 1453">0 to 3</td> <td data-bbox="1230 1406 1412 1453">1</td> </tr> </tbody> </table> <p>Settings 0: No correction / 1: Slight correction / 2: Medium correction / 3: Strong correction</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Supplement</p> <p>While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Coefficient	DP input light luminosity correction	0 to 3	1
Display	Description	Setting range	Initial setting						
Coefficient	DP input light luminosity correction	0 to 3	1						

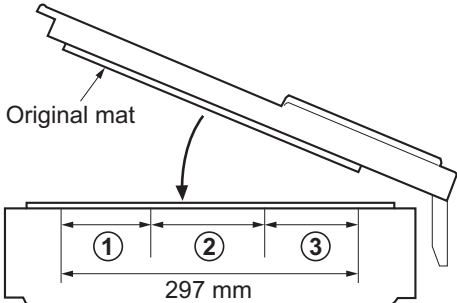
Item No.	Description																						
U087	<p data-bbox="288 241 938 275">Setting DP reading position modification operation</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 445">The presence or absence of dust is determined by comparing the scan data of the original trailing edge and that taken after the original is conveyed past the DP original scanning position. If dust is identified, the DP original scanning position is adjusted for the following originals. Using image correction to reduce black streaks.</p> <p data-bbox="288 483 400 512">Purpose</p> <p data-bbox="288 517 1385 582">When using DP, to solve the problem when black lines occurs due to the dust with respect to original reading position.</p> <p data-bbox="288 620 392 649">Caution</p> <p data-bbox="288 654 1398 719">The coordinates of position where documents are scanned are modified when [System Menu] [Adjustment/Maintenance] [Correcting Black Line] is set to [Off].</p> <p data-bbox="288 757 387 786">Method</p> <ol data-bbox="304 790 632 855" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 871 1399 1016"> <thead> <tr> <th data-bbox="336 871 639 920">Display</th> <th data-bbox="639 871 1399 920">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 920 639 969">CCD</td> <td data-bbox="639 920 1399 969">Setting of standard data when dust is detected.</td> </tr> <tr> <td data-bbox="336 969 639 1016">Black Line</td> <td data-bbox="639 969 1399 1016">Initialization of original reading position.</td> </tr> </tbody> </table> <p data-bbox="288 1059 475 1088">Setting: [CCD]</p> <ol data-bbox="304 1093 906 1158" style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 1171 1383 1400"> <thead> <tr> <th data-bbox="336 1171 489 1256">Display</th> <th data-bbox="489 1171 1050 1256">Description</th> <th data-bbox="1050 1171 1219 1256">Setting range</th> <th data-bbox="1219 1171 1383 1256">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1256 489 1305">R</td> <td data-bbox="489 1256 1050 1305">Lowest density of the R regard as the dust</td> <td data-bbox="1050 1256 1219 1305">0 to 255</td> <td data-bbox="1219 1256 1383 1305">125</td> </tr> <tr> <td data-bbox="336 1305 489 1355">G</td> <td data-bbox="489 1305 1050 1355">Lowest density of the G regard as the dust</td> <td data-bbox="1050 1305 1219 1355">0 to 255</td> <td data-bbox="1219 1305 1383 1355">125</td> </tr> <tr> <td data-bbox="336 1355 489 1400">B</td> <td data-bbox="489 1355 1050 1400">Lowest density of the B regard as the dust</td> <td data-bbox="1050 1355 1219 1400">0 to 255</td> <td data-bbox="1219 1355 1383 1400">125</td> </tr> </tbody> </table> <p data-bbox="336 1408 1431 1543">* : Decreasing the setting makes the objects with less density recognized as dusts, less dusts becomes detectable. Increasing the value allows more dusts to be detected and the cleaning prompts to be displayed more often.</p> <ol data-bbox="304 1547 767 1576" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1615 555 1644">Method: [Black Line]</p> <ol data-bbox="304 1648 831 1713" style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The setting is cleared. <p data-bbox="288 1751 440 1780">Completion</p> <p data-bbox="288 1785 1254 1814">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	CCD	Setting of standard data when dust is detected.	Black Line	Initialization of original reading position.	Display	Description	Setting range	Initial setting	R	Lowest density of the R regard as the dust	0 to 255	125	G	Lowest density of the G regard as the dust	0 to 255	125	B	Lowest density of the B regard as the dust	0 to 255	125
Display	Description																						
CCD	Setting of standard data when dust is detected.																						
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B	Lowest density of the B regard as the dust	0 to 255	125																				

Item No.	Description																														
U089	<p data-bbox="290 241 651 275">Outputting a MIP-PG pattern</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 1050 374">Selects and outputs the MIP-PG pattern created in the machine.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1422 479">To check copier status other than scanner when adjusting image printing, using MIP-PG pattern output (with-out scanning).</p> <p data-bbox="290 517 387 546">Method</p> <ol data-bbox="306 553 1082 618" style="list-style-type: none"> 1. Press the start key. 2. Select the MIP-PG pattern to be output and press the start key. <table border="1" data-bbox="333 636 1398 1254"> <thead> <tr> <th data-bbox="336 640 600 685">Display</th> <th data-bbox="600 640 919 685">PG pattern to be output</th> <th data-bbox="919 640 1394 685">Purpose</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 685 600 730">256GRADATION</td> <td data-bbox="600 685 919 730">256-gradation PG</td> <td data-bbox="919 685 1394 730">To check the gradation reproducibility</td> </tr> <tr> <td data-bbox="336 730 600 819">COLOR BELT</td> <td data-bbox="600 730 919 819">Four color belts PG</td> <td data-bbox="919 730 1394 819">To check the developer state and the engine section ID</td> </tr> <tr> <td data-bbox="336 819 600 864">GRAY(C)</td> <td data-bbox="600 819 919 864">Cyan PG</td> <td data-bbox="919 819 1394 864">To check the drum quality</td> </tr> <tr> <td data-bbox="336 864 600 909">GRAY(M)</td> <td data-bbox="600 864 919 909">Magenta PG</td> <td data-bbox="919 864 1394 909">To check the drum quality</td> </tr> <tr> <td data-bbox="336 909 600 954">GRAY(Y)</td> <td data-bbox="600 909 919 954">Yellow PG</td> <td data-bbox="919 909 1394 954">To check the drum quality</td> </tr> <tr> <td data-bbox="336 954 600 999">GRAY(K)</td> <td data-bbox="600 954 919 999">Black PG</td> <td data-bbox="919 954 1394 999">To check the drum quality</td> </tr> <tr> <td data-bbox="336 999 600 1043">WHITE</td> <td data-bbox="600 999 919 1043">Blank paper PG</td> <td data-bbox="919 999 1394 1043">To check the drum quality</td> </tr> <tr> <td data-bbox="336 1043 600 1133">GRADATION GRAY</td> <td data-bbox="600 1043 919 1133">5-gradation gray PG</td> <td data-bbox="919 1043 1394 1133">To check for vertical lines on the laser scanner unit</td> </tr> <tr> <td data-bbox="336 1133 600 1249">Sample Set</td> <td data-bbox="600 1133 919 1249">Four color belts PG, Cyan PG, Magenta PG, Yellow PG and Black PG</td> <td data-bbox="919 1133 1394 1249">Pattern output for LLU assurance application</td> </tr> </tbody> </table> <ol data-bbox="306 1274 900 1339" style="list-style-type: none"> 3. Press the system menu key. 4. Press the start key. A MIP-PG pattern is output. <p data-bbox="290 1377 440 1406">Completion</p> <p data-bbox="290 1411 1254 1440">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	PG pattern to be output	Purpose	256GRADATION	256-gradation PG	To check the gradation reproducibility	COLOR BELT	Four color belts PG	To check the developer state and the engine section ID	GRAY(C)	Cyan PG	To check the drum quality	GRAY(M)	Magenta PG	To check the drum quality	GRAY(Y)	Yellow PG	To check the drum quality	GRAY(K)	Black PG	To check the drum quality	WHITE	Blank paper PG	To check the drum quality	GRADATION GRAY	5-gradation gray PG	To check for vertical lines on the laser scanner unit	Sample Set	Four color belts PG, Cyan PG, Magenta PG, Yellow PG and Black PG	Pattern output for LLU assurance application
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U091	<p data-bbox="288 241 699 271">Setting the white line correction</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1422 409">Sets the error detection threshold value for white line correction and displays the count result of abnormal pixels.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1046 477">To perform when replacing the CIS, DP main PWB or CIS roller.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 551 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 629 1399 1144"> <thead> <tr> <th data-bbox="336 629 564 674">Display</th> <th data-bbox="564 629 1399 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 564 719">Calculation(R)</td> <td data-bbox="564 674 1399 719">Abnormal pixel count result for color R</td> </tr> <tr> <td data-bbox="336 719 564 763">Calculation(G)</td> <td data-bbox="564 719 1399 763">Abnormal pixel count result for color G</td> </tr> <tr> <td data-bbox="336 763 564 808">Calculation(B)</td> <td data-bbox="564 763 1399 808">Abnormal pixel count result for color B</td> </tr> <tr> <td data-bbox="336 808 564 853">Threshold(R)</td> <td data-bbox="564 808 1399 853">Abnormal pixel detection threshold value for color R</td> </tr> <tr> <td data-bbox="336 853 564 898">Threshold(G)</td> <td data-bbox="564 853 1399 898">Abnormal pixel detection threshold value for color G</td> </tr> <tr> <td data-bbox="336 898 564 943">Threshold(B)</td> <td data-bbox="564 898 1399 943">Abnormal pixel detection threshold value for color B</td> </tr> <tr> <td data-bbox="336 943 564 1032">Threshold (Abnormal)</td> <td data-bbox="564 943 1399 1032">Abnormal pixel threshold value setting</td> </tr> <tr> <td data-bbox="336 1032 564 1077">Mode</td> <td data-bbox="564 1032 1399 1077">Switching between white line correction mode ON/OFF</td> </tr> <tr> <td data-bbox="336 1077 564 1144">Execute</td> <td data-bbox="564 1077 1399 1144">Holding of white reference data</td> </tr> </tbody> </table> <p data-bbox="288 1189 663 1218">Method: white line correction</p> <ol data-bbox="304 1223 1430 1805" style="list-style-type: none"> 1. Press [Execute]. 2. Press the start key. Holding of white reference data is started. 3. The count result of abnormal pixels is displayed. 4. Press the system menu key. 5. Place a gray original on the DP with the gray side down. Load paper in the cassette. The paper should be the same size as the original. 6. Press the start key. Two test pattern sheets will be printed.(1 st sheet: Approx. 60 mm black band, 2nd sheet: Blank or approx. 60 mm gray band) 7. If vertical black lines appear on the blank (or gray band) page and vertical white lines appear on the black band in the same position, clean the CIS roller and the CIS glass and then repeat white line correction. If vertical black lines or vertical white lines appear on both sheets, white line correction has been completed normally. However, the cause of the vertical lines lies in the engine, and thus the engine must be checked. 8. Press the system menu key. Mode is set to 1. 	Display	Description	Calculation(R)	Abnormal pixel count result for color R	Calculation(G)	Abnormal pixel count result for color G	Calculation(B)	Abnormal pixel count result for color B	Threshold(R)	Abnormal pixel detection threshold value for color R	Threshold(G)	Abnormal pixel detection threshold value for color G	Threshold(B)	Abnormal pixel detection threshold value for color B	Threshold (Abnormal)	Abnormal pixel threshold value setting	Mode	Switching between white line correction mode ON/OFF	Execute	Holding of white reference data
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U091	<p data-bbox="336 241 639 271">How to view test copies</p> <table border="1" data-bbox="336 284 1401 560"> <thead> <tr> <th data-bbox="336 284 528 329">blank sheet</th> <th data-bbox="528 284 716 329">black band</th> <th data-bbox="716 284 1019 329">Causes</th> <th data-bbox="1019 284 1401 329">Corrective measures</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 329 528 374">No lines</td> <td data-bbox="528 329 716 374">No lines</td> <td data-bbox="716 329 1019 374">-</td> <td data-bbox="1019 329 1401 374">Complete</td> </tr> <tr> <td data-bbox="336 374 528 463">Black lines</td> <td data-bbox="528 374 716 463">White lines</td> <td data-bbox="716 374 1019 463">Dirty CIS roller or CIS glass</td> <td data-bbox="1019 374 1401 463">Clean CIS roller or CIS glass and then perform U091 again</td> </tr> <tr> <td data-bbox="336 463 528 508">Black lines</td> <td data-bbox="528 463 716 508">No lines</td> <td data-bbox="716 463 1019 508">Engine side</td> <td data-bbox="1019 463 1401 508">U091 ends, check engine</td> </tr> <tr> <td data-bbox="336 508 528 560">No lines</td> <td data-bbox="528 508 716 560">White lines</td> <td data-bbox="716 508 1019 560">Engine side</td> <td data-bbox="1019 508 1401 560">U091 ends, check engine</td> </tr> </tbody> </table> <p data-bbox="288 607 699 636">Setting: Threshold value setting</p> <ol data-bbox="304 640 906 703" style="list-style-type: none"> 1. Select the item to be set. 2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="336 719 1385 1081"> <thead> <tr> <th data-bbox="336 719 564 797">Display</th> <th data-bbox="564 719 1050 797">Description</th> <th data-bbox="1050 719 1233 797">Setting range</th> <th data-bbox="1233 719 1385 797">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 797 564 882">Threshold (R)(G)(B)</td> <td data-bbox="564 797 1050 882">Displaying of abnormal pixel detection threshold value for color RGB</td> <td data-bbox="1050 797 1233 882">0 to 1023</td> <td data-bbox="1233 797 1385 882">112/112/112</td> </tr> <tr> <td data-bbox="336 882 564 967">Threshold (Abnormal)</td> <td data-bbox="564 882 1050 967">Abnormal pixel threshold value setting</td> <td data-bbox="1050 882 1233 967">0 to 8191</td> <td data-bbox="1233 882 1385 967">75</td> </tr> <tr> <td data-bbox="336 967 564 1081">Mode</td> <td data-bbox="564 967 1050 1081">Switching between white line correction mode ON/OFF</td> <td data-bbox="1050 967 1233 1081">0: OFF/ 1: ON/ 2: Test mode</td> <td data-bbox="1233 967 1385 1081">0</td> </tr> </tbody> </table> <p data-bbox="336 1095 1433 1227">* : Normally the Threshold (Com) value should not be changed from 112, the initial setting. If white lines appear even though the CIS roller and glass are not dirty, raise the set value. If fine lines in some originals disappear, lower the set value. Set within the range 50 to 200. (If set outside this range, the image may be affected.)</p> <ol data-bbox="304 1267 767 1296" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1337 440 1366">Completion</p> <p data-bbox="288 1370 1254 1400">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	blank sheet	black band	Causes	Corrective measures	No lines	No lines	-	Complete	Black lines	White lines	Dirty CIS roller or CIS glass	Clean CIS roller or CIS glass and then perform U091 again	Black lines	No lines	Engine side	U091 ends, check engine	No lines	White lines	Engine side	U091 ends, check engine	Display	Description	Setting range	Initial setting	Threshold (R)(G)(B)	Displaying of abnormal pixel detection threshold value for color RGB	0 to 1023	112/112/112	Threshold (Abnormal)	Abnormal pixel threshold value setting	0 to 8191	75	Mode	Switching between white line correction mode ON/OFF	0: OFF/ 1: ON/ 2: Test mode	0
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U099	<p data-bbox="288 241 703 275">Adjusting original size detection</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1305 374">Checks the operation of the original size sensor and sets the sensing threshold value.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1433 479">To adjust the sensitivity of the sensor and size judgement time if the original size sensor malfunctions frequently due to incident light or the like.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1101 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 631 1401 893"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Data1</td> <td data-bbox="639 676 1401 721">Displaying original size sensor transmission data</td> </tr> <tr> <td data-bbox="336 721 639 810">B/W Level1</td> <td data-bbox="639 721 1401 810">B/W LEVEL setting original size sensor threshold value Setting original size judgment time</td> </tr> <tr> <td data-bbox="336 810 639 893">Data2</td> <td data-bbox="639 810 1401 893">Displaying original size sensor transmission data (when DP is installed)</td> </tr> </tbody> </table> <p data-bbox="288 936 574 965">Method: [Data1/Data2]</p> <ol data-bbox="304 972 1426 1104" style="list-style-type: none"> 1. Place the original and close the original cover or DP 2. The light source illuminates and the CCD sensor determines the width of the document. The original size sensor determines the document is vertical or horizontal. (The document is detected two times when the DP is installed.) <table border="1" data-bbox="336 1120 1401 1404"> <thead> <tr> <th data-bbox="336 1120 639 1164">Display</th> <th data-bbox="639 1120 1401 1164">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1164 639 1209">Original Area R</td> <td data-bbox="639 1164 1401 1209">Detected original width size for color R</td> </tr> <tr> <td data-bbox="336 1209 639 1254">Original Area G</td> <td data-bbox="639 1209 1401 1254">Detected original width size for color G</td> </tr> <tr> <td data-bbox="336 1254 639 1299">Original Area B</td> <td data-bbox="639 1254 1401 1299">Detected original width size for color B</td> </tr> <tr> <td data-bbox="336 1299 639 1344">Original Area</td> <td data-bbox="639 1299 1401 1344">Detected original width size</td> </tr> <tr> <td data-bbox="336 1344 639 1404">Size SW L</td> <td data-bbox="639 1344 1401 1404">Displays the original size sensor (OSS) ON/OFF</td> </tr> </tbody> </table>	Display	Description	Data1	Displaying original size sensor transmission data	B/W Level1	B/W LEVEL setting original size sensor threshold value Setting original size judgment time	Data2	Displaying original size sensor transmission data (when DP is installed)	Display	Description	Original Area R	Detected original width size for color R	Original Area G	Detected original width size for color G	Original Area B	Detected original width size for color B	Original Area	Detected original width size	Size SW L	Displays the original size sensor (OSS) ON/OFF
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U099	<p data-bbox="288 241 560 271">Setting: [B/W Level1]</p> <ol data-bbox="288 277 1062 342" style="list-style-type: none"> 1. Select an item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 869"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Original R1</td> <td>Original threshold value for color R (near side)</td> <td>0 to 255</td> <td>20/50</td> </tr> <tr> <td>Original R2</td> <td>Original threshold value for color R (center)</td> <td>0 to 255</td> <td>30/50</td> </tr> <tr> <td>Original R3</td> <td>Original threshold value for color R (far side)</td> <td>0 to 255</td> <td>40/50</td> </tr> <tr> <td>Original G1</td> <td>Original threshold value for color G (near side)</td> <td>0 to 255</td> <td>20/50</td> </tr> <tr> <td>Original G2</td> <td>Original threshold value for color G (center)</td> <td>0 to 255</td> <td>30/50</td> </tr> <tr> <td>Original G3</td> <td>Original threshold value for color G (far side)</td> <td>0 to 255</td> <td>40/50</td> </tr> <tr> <td>Original B1</td> <td>Original threshold value for color B (near side)</td> <td>0 to 255</td> <td>20/50</td> </tr> <tr> <td>Original B2</td> <td>Original threshold value for color B (center)</td> <td>0 to 255</td> <td>30/50</td> </tr> <tr> <td>Original B3</td> <td>Original threshold value for color B (far side)</td> <td>0 to 255</td> <td>40/50</td> </tr> </tbody> </table> <p data-bbox="336 913 1406 1010">Reducing the value increases the sensitivity of the sensor allowing a document with more density to be detected, however, the document mat could be detected as an original document.</p> <p data-bbox="336 1016 1406 1081">If the values vary excessively, mal-detection could occur depending on how a document is placed.</p>  <table border="1" data-bbox="874 1205 1374 1406"> <thead> <tr> <th>Fig.</th> <th>Original R/G/B</th> <th colspan="2">Original width size range</th> </tr> </thead> <tbody> <tr> <td>①</td> <td>1</td> <td>A4R to A3</td> <td>8.5" to 11"</td> </tr> <tr> <td>②</td> <td>2</td> <td>B6R to A4R</td> <td>5.5" to 8.5"</td> </tr> <tr> <td>③</td> <td>3</td> <td>to B6R</td> <td>to 5.5"</td> </tr> </tbody> </table> <p data-bbox="778 1429 946 1458">Figure 1-3-16</p> <ol data-bbox="288 1496 767 1525" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1570 440 1599">Completion</p> <p data-bbox="288 1606 1118 1635">Press the stop key. The screen for maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Original R1	Original threshold value for color R (near side)	0 to 255	20/50	Original R2	Original threshold value for color R (center)	0 to 255	30/50	Original R3	Original threshold value for color R (far side)	0 to 255	40/50	Original G1	Original threshold value for color G (near side)	0 to 255	20/50	Original G2	Original threshold value for color G (center)	0 to 255	30/50	Original G3	Original threshold value for color G (far side)	0 to 255	40/50	Original B1	Original threshold value for color B (near side)	0 to 255	20/50	Original B2	Original threshold value for color B (center)	0 to 255	30/50	Original B3	Original threshold value for color B (far side)	0 to 255	40/50	Fig.	Original R/G/B	Original width size range		①	1	A4R to A3	8.5" to 11"	②	2	B6R to A4R	5.5" to 8.5"	③	3	to B6R	to 5.5"
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U100	<p data-bbox="290 241 667 275">Setting the main high voltage</p> <p data-bbox="290 309 440 342">Description Controls the charger roller voltage to optimize the surface potential.</p> <p data-bbox="290 376 400 409">Purpose To change the setting value to adjust the image if an image failure (background blur, etc.) occurs.</p> <p data-bbox="290 488 387 521">Method</p> <ol data-bbox="306 521 1102 589" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 595 1386 887"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1386 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Base</td> <td data-bbox="639 640 1386 685">MC DC bias</td> </tr> <tr> <td data-bbox="336 685 639 730">High Altitude</td> <td data-bbox="639 685 1386 730">MC high-ground compensation mode</td> </tr> <tr> <td data-bbox="336 730 639 775">MCH</td> <td data-bbox="639 730 1386 775">MCH compensation</td> </tr> <tr> <td data-bbox="336 775 639 819">Protect Table</td> <td data-bbox="639 775 1386 819">Drum protection control table</td> </tr> <tr> <td data-bbox="336 819 639 887">Drum Aging</td> <td data-bbox="639 819 1386 887">Aging for an electrification roller</td> </tr> </tbody> </table> <p data-bbox="290 947 472 981">Method:[Bias]</p> <ol data-bbox="306 981 1102 1014" style="list-style-type: none"> 1. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 1021 1386 1171"> <thead> <tr> <th data-bbox="336 1021 639 1066">Display</th> <th data-bbox="639 1021 1386 1066">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1066 639 1111">Mode</td> <td data-bbox="639 1066 1386 1111">MC compensation mode</td> </tr> <tr> <td data-bbox="336 1111 639 1171">Bias</td> <td data-bbox="639 1111 1386 1171">MC DC bias</td> </tr> </tbody> </table> <p data-bbox="290 1216 480 1249">Setting:[Mode]</p> <ol data-bbox="306 1249 1102 1283" style="list-style-type: none"> 1. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 1290 1386 1469"> <thead> <tr> <th data-bbox="336 1290 639 1335">Display</th> <th data-bbox="639 1290 1386 1335">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1335 639 1424">Auto</td> <td data-bbox="639 1335 1386 1424">Each color radical semi- value display and a degree setup of a standard value</td> </tr> <tr> <td data-bbox="336 1424 639 1469">Manual</td> <td data-bbox="639 1424 1386 1469">A value setup of each color</td> </tr> </tbody> </table> <p data-bbox="290 1485 512 1518">Initial setting: Auto</p>	Display	Description	Base	MC DC bias	High Altitude	MC high-ground compensation mode	MCH	MCH compensation	Protect Table	Drum protection control table	Drum Aging	Aging for an electrification roller	Display	Description	Mode	MC compensation mode	Bias	MC DC bias	Display	Description	Auto	Each color radical semi- value display and a degree setup of a standard value	Manual	A value setup of each color
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U100	<p data-bbox="292 241 467 271">Setting:[Bias]</p> <p data-bbox="304 277 1054 338">1. Select an item to be set. 2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 353 1385 819"> <thead> <tr> <th data-bbox="336 353 531 434">Display</th> <th data-bbox="531 353 1066 434">Description</th> <th data-bbox="1066 353 1230 434">Setting range</th> <th data-bbox="1230 353 1385 434">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 434 531 479">C</td> <td data-bbox="531 434 1066 479">Manual adjustment value (Cyan)</td> <td data-bbox="1066 434 1230 479">-200 to 200</td> <td data-bbox="1230 434 1385 479">0</td> </tr> <tr> <td data-bbox="336 479 531 524">M</td> <td data-bbox="531 479 1066 524">Manual adjustment value (Magenta)</td> <td data-bbox="1066 479 1230 524">-200 to 200</td> <td data-bbox="1230 479 1385 524">0</td> </tr> <tr> <td data-bbox="336 524 531 568">Y</td> <td data-bbox="531 524 1066 568">Manual adjustment value (Yellow)</td> <td data-bbox="1066 524 1230 568">-200 to 200</td> <td data-bbox="1230 524 1385 568">0</td> </tr> <tr> <td data-bbox="336 568 531 613">K</td> <td data-bbox="531 568 1066 613">Manual adjustment value (Black)</td> <td data-bbox="1066 568 1230 613">-200 to 200</td> <td data-bbox="1230 568 1385 613">0</td> </tr> <tr> <td data-bbox="336 613 531 658">Default(C)</td> <td data-bbox="531 613 1066 658">Manual adjustment base value (Cyan)</td> <td data-bbox="1066 613 1230 658">0 to 250</td> <td data-bbox="1230 613 1385 658">-</td> </tr> <tr> <td data-bbox="336 658 531 703">Default(M)</td> <td data-bbox="531 658 1066 703">Manual adjustment base value (Magenta)</td> <td data-bbox="1066 658 1230 703">0 to 250</td> <td data-bbox="1230 658 1385 703">-</td> </tr> <tr> <td data-bbox="336 703 531 748">Default(Y)</td> <td data-bbox="531 703 1066 748">Manual adjustment base value (Yellow)</td> <td data-bbox="1066 703 1230 748">0 to 250</td> <td data-bbox="1230 703 1385 748">-</td> </tr> <tr> <td data-bbox="336 748 531 819">Default(K)</td> <td data-bbox="531 748 1066 819">Manual adjustment base value (Black)</td> <td data-bbox="1066 748 1230 819">0 to 250</td> <td data-bbox="1230 748 1385 819">-</td> </tr> </tbody> </table> <p data-bbox="304 835 767 864">3. Press the start key. The value is set.</p> <p data-bbox="292 902 467 931">Setting:[Bias]</p> <p data-bbox="304 938 1054 999">1. Select an item to be set. 2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1014 1385 1290"> <thead> <tr> <th data-bbox="336 1014 531 1095">Display</th> <th data-bbox="531 1014 1066 1095">Description</th> <th data-bbox="1066 1014 1230 1095">Setting range</th> <th data-bbox="1230 1014 1385 1095">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1095 531 1140">C</td> <td data-bbox="531 1095 1066 1140">MC DC bias (Cyan)</td> <td data-bbox="1066 1095 1230 1140">0 to 250</td> <td data-bbox="1230 1095 1385 1140">145</td> </tr> <tr> <td data-bbox="336 1140 531 1184">M</td> <td data-bbox="531 1140 1066 1184">MC DC bias (Magenta)</td> <td data-bbox="1066 1140 1230 1184">0 to 250</td> <td data-bbox="1230 1140 1385 1184">145</td> </tr> <tr> <td data-bbox="336 1184 531 1229">Y</td> <td data-bbox="531 1184 1066 1229">MC DC bias (Yellow)</td> <td data-bbox="1066 1184 1230 1229">0 to 250</td> <td data-bbox="1230 1184 1385 1229">145</td> </tr> <tr> <td data-bbox="336 1229 531 1290">K</td> <td data-bbox="531 1229 1066 1290">MC DC bias (Black)</td> <td data-bbox="1066 1229 1230 1290">0 to 250</td> <td data-bbox="1230 1229 1385 1290">145</td> </tr> </tbody> </table> <p data-bbox="304 1305 767 1335">3. Press the start key. The value is set.</p> <p data-bbox="292 1373 448 1402">Supplement</p> <p data-bbox="292 1408 1417 1469">While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p>	Display	Description	Setting range	Initial setting	C	Manual adjustment value (Cyan)	-200 to 200	0	M	Manual adjustment value (Magenta)	-200 to 200	0	Y	Manual adjustment value (Yellow)	-200 to 200	0	K	Manual adjustment value (Black)	-200 to 200	0	Default(C)	Manual adjustment base value (Cyan)	0 to 250	-	Default(M)	Manual adjustment base value (Magenta)	0 to 250	-	Default(Y)	Manual adjustment base value (Yellow)	0 to 250	-	Default(K)	Manual adjustment base value (Black)	0 to 250	-	Display	Description	Setting range	Initial setting	C	MC DC bias (Cyan)	0 to 250	145	M	MC DC bias (Magenta)	0 to 250	145	Y	MC DC bias (Yellow)	0 to 250	145	K	MC DC bias (Black)	0 to 250	145
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U100	<p>Setting:[High Altitude]</p> <p>1. Select an item to be set.</p> <table border="1" data-bbox="336 320 1386 560"> <thead> <tr> <th data-bbox="336 320 531 365">Display</th> <th data-bbox="531 320 1386 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 531 409">Mode0</td> <td data-bbox="531 365 1386 409">Standard (Factory setting)</td> </tr> <tr> <td data-bbox="336 409 531 454">Mode1</td> <td data-bbox="531 409 1386 454">High ground 1 (1500 to 2500 m)</td> </tr> <tr> <td data-bbox="336 454 531 499">Mode2</td> <td data-bbox="531 454 1386 499">High ground 2 (2500 m or more)</td> </tr> <tr> <td data-bbox="336 499 531 560">Mode3</td> <td data-bbox="531 499 1386 560">High ground 3 (3500 m or more)</td> </tr> </tbody> </table> <p>Initial setting: Mode0</p> <ul style="list-style-type: none"> * : MCH compensation is set to "3" when it sets to the high ground 1 ,high ground 2 or the high ground 3. * : Plain weight attribute information is set to "Normal 1" when it sets to the high ground 1 ,high ground 2 or the high ground 3. <p>2. Press the start key. The value is set.</p> <p>Setting:[MCH]</p> <p>1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 931 1386 1061"> <thead> <tr> <th data-bbox="336 931 531 1014">Display</th> <th data-bbox="531 931 1062 1014">Description</th> <th data-bbox="1062 931 1230 1014">Setting range</th> <th data-bbox="1230 931 1386 1014">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1014 531 1061">Value</td> <td data-bbox="531 1014 1062 1061">MCH compensation</td> <td data-bbox="1062 1014 1230 1061">1 to 5</td> <td data-bbox="1230 1014 1386 1061">3</td> </tr> </tbody> </table> <ul style="list-style-type: none"> * : A setup is possible only when set to the "standard" by high-ground setup. <p>2. Press the start key. The value is set.</p> <p>Setting:[Protect table]</p> <p>1. Select an item to be set.</p> <table border="1" data-bbox="336 1256 1386 1402"> <thead> <tr> <th data-bbox="336 1256 531 1301">Display</th> <th data-bbox="531 1256 1386 1301">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1301 531 1346">Mode0</td> <td data-bbox="531 1301 1386 1346">It changes by drum drive time.</td> </tr> <tr> <td data-bbox="336 1346 531 1402">Mode1</td> <td data-bbox="531 1346 1386 1402">Initial fixation</td> </tr> </tbody> </table> <p>Initial setting: Mode0</p> <p>2. Press the start key. The value is set.</p> <p>Setting:[Drum Aging]</p> <p>1. Select an item to be set.</p> <table border="1" data-bbox="336 1597 1386 1742"> <thead> <tr> <th data-bbox="336 1597 531 1641">Display</th> <th data-bbox="531 1597 1386 1641">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1641 531 1686">On</td> <td data-bbox="531 1641 1386 1686">with aging (it operates by lapsed time)</td> </tr> <tr> <td data-bbox="336 1686 531 1742">Off</td> <td data-bbox="531 1686 1386 1742">with not aging</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <p>2. Press the start key. The value is set.</p> <p>Completion</p> <p>Press the stop key when main charger output stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mode0	Standard (Factory setting)	Mode1	High ground 1 (1500 to 2500 m)	Mode2	High ground 2 (2500 m or more)	Mode3	High ground 3 (3500 m or more)	Display	Description	Setting range	Initial setting	Value	MCH compensation	1 to 5	3	Display	Description	Mode0	It changes by drum drive time.	Mode1	Initial fixation	Display	Description	On	with aging (it operates by lapsed time)	Off	with not aging
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U101	<p data-bbox="288 241 834 275">Setting the voltage for the primary transfer</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 855 376">Sets the control voltage for the primary transfer.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1262 445">To change the setting when any density problems, such as too dark or light, occur.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 1102 584" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 595 1399 837"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Base</td> <td data-bbox="639 640 1399 685">Standard value</td> </tr> <tr> <td data-bbox="336 685 639 730">1st side</td> <td data-bbox="639 685 1399 730">Correction value of single-side printing</td> </tr> <tr> <td data-bbox="336 730 639 775">2nd side</td> <td data-bbox="639 730 1399 775">Correction value of duplex printing</td> </tr> <tr> <td data-bbox="336 775 639 837">B/W</td> <td data-bbox="639 775 1399 837">Correction value of monochrome printing</td> </tr> </tbody> </table> <p data-bbox="288 900 480 931">Setting: [Base]</p> <ol data-bbox="304 936 1054 1003" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1014 1399 1240"> <thead> <tr> <th data-bbox="336 1014 563 1093">Display</th> <th data-bbox="563 1014 1066 1093">Description</th> <th data-bbox="1066 1014 1230 1093">Setting range</th> <th data-bbox="1230 1014 1399 1093">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1093 563 1137">Full</td> <td data-bbox="563 1093 1066 1137">Full speed printing</td> <td data-bbox="1066 1093 1230 1137">0 to 100</td> <td data-bbox="1230 1093 1399 1137">45</td> </tr> <tr> <td data-bbox="336 1137 563 1182">3/4</td> <td data-bbox="563 1137 1066 1182">3/4 speed printing</td> <td data-bbox="1066 1137 1230 1182">0 to 100</td> <td data-bbox="1230 1137 1399 1182">36</td> </tr> <tr> <td data-bbox="336 1182 563 1240">Half</td> <td data-bbox="563 1182 1066 1240">Half speed printing</td> <td data-bbox="1066 1182 1230 1240">0 to 100</td> <td data-bbox="1230 1182 1399 1240">25</td> </tr> </tbody> </table> <ol data-bbox="304 1261 767 1292" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1330 647 1361">Setting: [1st side/02nd side]</p> <ol data-bbox="304 1366 1054 1433" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1444 1399 1718"> <thead> <tr> <th data-bbox="336 1444 563 1523">Display</th> <th data-bbox="563 1444 1066 1523">Description</th> <th data-bbox="1066 1444 1230 1523">Setting range</th> <th data-bbox="1230 1444 1399 1523">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1523 563 1568">C</td> <td data-bbox="563 1523 1066 1568">Correction value (Cyan)</td> <td data-bbox="1066 1523 1230 1568">-50 to 50</td> <td data-bbox="1230 1523 1399 1568">5/2</td> </tr> <tr> <td data-bbox="336 1568 563 1612">M</td> <td data-bbox="563 1568 1066 1612">Correction value (Magenta)</td> <td data-bbox="1066 1568 1230 1612">-50 to 50</td> <td data-bbox="1230 1568 1399 1612">5/2</td> </tr> <tr> <td data-bbox="336 1612 563 1657">Y</td> <td data-bbox="563 1612 1066 1657">Correction value (Yellow)</td> <td data-bbox="1066 1612 1230 1657">-50 to 50</td> <td data-bbox="1230 1612 1399 1657">0/-3</td> </tr> <tr> <td data-bbox="336 1657 563 1718">K</td> <td data-bbox="563 1657 1066 1718">Correction value (Black)</td> <td data-bbox="1066 1657 1230 1718">-50 to 50</td> <td data-bbox="1230 1657 1399 1718">5/2</td> </tr> </tbody> </table> <ol data-bbox="304 1756 767 1787" style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Base	Standard value	1st side	Correction value of single-side printing	2nd side	Correction value of duplex printing	B/W	Correction value of monochrome printing	Display	Description	Setting range	Initial setting	Full	Full speed printing	0 to 100	45	3/4	3/4 speed printing	0 to 100	36	Half	Half speed printing	0 to 100	25	Display	Description	Setting range	Initial setting	C	Correction value (Cyan)	-50 to 50	5/2	M	Correction value (Magenta)	-50 to 50	5/2	Y	Correction value (Yellow)	-50 to 50	0/-3	K	Correction value (Black)	-50 to 50	5/2
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U101	<p data-bbox="288 241 470 275">Setting: [B/W]</p> <p data-bbox="304 277 1054 311">1. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 320 1342 450"> <thead> <tr> <th data-bbox="336 320 564 398">Display</th> <th data-bbox="564 320 1007 398">Description</th> <th data-bbox="1007 320 1174 398">Setting range</th> <th data-bbox="1174 320 1342 398">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 564 450">Value</td> <td data-bbox="564 398 1007 450">Correction value</td> <td data-bbox="1007 398 1174 450">-50 to 50</td> <td data-bbox="1174 398 1342 450">30</td> </tr> </tbody> </table> <p data-bbox="304 481 767 515">2. Press the start key. The value is set.</p> <p data-bbox="288 551 448 584">Supplement</p> <p data-bbox="288 586 1417 654">While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p data-bbox="288 689 440 723">Completion</p> <p data-bbox="288 725 1254 759">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Value	Correction value	-50 to 50	30
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Value	Correction value	-50 to 50	30						

Item No.	Description																																										
U106	<p data-bbox="288 241 871 271">Setting the voltage for the secondary transfer</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 890 374">Sets the control voltage for the secondary transfer.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1262 443">To change the setting when any density problems, such as too dark or light, occur.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 1101 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 595 1399 741"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Color</td> <td data-bbox="639 640 1399 685">Correction value of color printing</td> </tr> <tr> <td data-bbox="336 685 639 741">B/W</td> <td data-bbox="639 685 1399 741">Correction value of monochrome printing</td> </tr> </tbody> </table> <p data-bbox="288 790 485 819">Method:[Color]</p> <ol data-bbox="304 824 1101 853" style="list-style-type: none"> 1. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 866 1399 1205"> <thead> <tr> <th data-bbox="336 866 639 911">Display</th> <th data-bbox="639 866 1399 911">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 911 639 956">Light/Normal1</td> <td data-bbox="639 911 1399 956">Weight of paper (light to usual 1)</td> </tr> <tr> <td data-bbox="336 956 639 1001">Normal2/3</td> <td data-bbox="639 956 1399 1001">Weight of paper (usual 2 to 3)</td> </tr> <tr> <td data-bbox="336 1001 639 1046">Heavy1</td> <td data-bbox="639 1001 1399 1046">Weight of paper (heavy 1)</td> </tr> <tr> <td data-bbox="336 1046 639 1090">Heavy2/3</td> <td data-bbox="639 1046 1399 1090">Weight of paper (heavy 2 to 3)</td> </tr> <tr> <td data-bbox="336 1090 639 1135">OHP</td> <td data-bbox="639 1090 1399 1135">Kind of paper (OHP)</td> </tr> <tr> <td data-bbox="336 1135 639 1205">Coated</td> <td data-bbox="639 1135 1399 1205">Kind of paper (Coated paper)</td> </tr> </tbody> </table> <p data-bbox="288 1256 1007 1285">Method: [Light/Normal1 / Normal2/3 / Heavy1 / Heavy2/3]</p> <ol data-bbox="304 1290 1101 1319" style="list-style-type: none"> 1. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 1332 1399 1478"> <thead> <tr> <th data-bbox="336 1332 639 1377">Display</th> <th data-bbox="639 1332 1399 1377">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1377 639 1422">1st side</td> <td data-bbox="639 1377 1399 1422">Correction value of single-side printing</td> </tr> <tr> <td data-bbox="336 1422 639 1478">2nd side</td> <td data-bbox="639 1422 1399 1478">Correction value of duplex printing</td> </tr> </tbody> </table> <p data-bbox="288 1529 627 1559">Setting:[1st side/2nd side]</p> <ol data-bbox="304 1563 1054 1628" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1641 1399 1973"> <thead> <tr> <th data-bbox="336 1641 563 1720">Display</th> <th data-bbox="563 1641 1027 1720">Description</th> <th data-bbox="1027 1641 1187 1720">Setting range</th> <th data-bbox="1187 1641 1399 1720">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1720 563 1798">Width<160</td> <td data-bbox="563 1720 1027 1798">width of paper<160</td> <td data-bbox="1027 1720 1187 1798">0 to 200</td> <td data-bbox="1187 1720 1399 1798">83/85/64/43 88/90/68/45</td> </tr> <tr> <td data-bbox="336 1798 563 1877">160<=Width<220</td> <td data-bbox="563 1798 1027 1877">160<= width of paper <220</td> <td data-bbox="1027 1798 1187 1877">0 to 200</td> <td data-bbox="1187 1798 1399 1877">58/60/45/30 60/62/47/31</td> </tr> <tr> <td data-bbox="336 1877 563 1973">220<=Width</td> <td data-bbox="563 1877 1027 1973">220<= width of paper</td> <td data-bbox="1027 1877 1187 1973">0 to 200</td> <td data-bbox="1187 1877 1399 1973">42/44/33/22 40/42/32/21</td> </tr> </tbody> </table> <ol data-bbox="304 2000 767 2029" style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Color	Correction value of color printing	B/W	Correction value of monochrome printing	Display	Description	Light/Normal1	Weight of paper (light to usual 1)	Normal2/3	Weight of paper (usual 2 to 3)	Heavy1	Weight of paper (heavy 1)	Heavy2/3	Weight of paper (heavy 2 to 3)	OHP	Kind of paper (OHP)	Coated	Kind of paper (Coated paper)	Display	Description	1st side	Correction value of single-side printing	2nd side	Correction value of duplex printing	Display	Description	Setting range	Initial setting	Width<160	width of paper<160	0 to 200	83/85/64/43 88/90/68/45	160<=Width<220	160<= width of paper <220	0 to 200	58/60/45/30 60/62/47/31	220<=Width	220<= width of paper	0 to 200	42/44/33/22 40/42/32/21
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U106	<p data-bbox="288 241 564 271">Setting:[OHP/Coated]</p> <p data-bbox="288 277 1054 342">1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 353 1399 582"> <thead> <tr> <th data-bbox="336 353 564 434">Display</th> <th data-bbox="564 353 1066 434">Description</th> <th data-bbox="1066 353 1230 434">Setting range</th> <th data-bbox="1230 353 1399 434">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 434 564 479">Width<160</td> <td data-bbox="564 434 1066 479">width of paper<160</td> <td data-bbox="1066 434 1230 479">0 to 200</td> <td data-bbox="1230 434 1399 479">40/59</td> </tr> <tr> <td data-bbox="336 479 564 524">160<=Width<220</td> <td data-bbox="564 479 1066 524">160<= width of paper <220</td> <td data-bbox="1066 479 1230 524">0 to 200</td> <td data-bbox="1230 479 1399 524">33/42</td> </tr> <tr> <td data-bbox="336 524 564 582">220<=Width</td> <td data-bbox="564 524 1066 582">220<= width of paper</td> <td data-bbox="1066 524 1230 582">0 to 200</td> <td data-bbox="1230 524 1399 582">25/31</td> </tr> </tbody> </table> <p data-bbox="288 604 767 633">3. Press the start key. The value is set.</p> <p data-bbox="288 674 464 703">Method:[B/W]</p> <p data-bbox="288 710 1102 739">1. Select the item. The screen for executing each item is displayed.</p> <table border="1" data-bbox="336 750 1399 943"> <thead> <tr> <th data-bbox="336 750 639 795">Display</th> <th data-bbox="639 750 1399 795">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 795 639 840">Light/Normal3</td> <td data-bbox="639 795 1399 840">Weight of paper (light to usual 3)</td> </tr> <tr> <td data-bbox="336 840 639 884">Heavy1</td> <td data-bbox="639 840 1399 884">Weight of paper (heavy 1)</td> </tr> <tr> <td data-bbox="336 884 639 943">Heavy2-3</td> <td data-bbox="639 884 1399 943">Weight of paper (heavy 2 to 3)</td> </tr> </tbody> </table> <p data-bbox="288 996 858 1025">Method: [Light/Normal1 / Heavy1 / Heavy2-3]</p> <p data-bbox="288 1032 1102 1061">1. Select the item. The screen for executing each item is displayed.</p> <table border="1" data-bbox="336 1072 1399 1220"> <thead> <tr> <th data-bbox="336 1072 639 1117">Display</th> <th data-bbox="639 1072 1399 1117">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1117 639 1162">1st side</td> <td data-bbox="639 1117 1399 1162">Correction value of single-side printing</td> </tr> <tr> <td data-bbox="336 1162 639 1220">2nd side</td> <td data-bbox="639 1162 1399 1220">Correction value of duplex printing</td> </tr> </tbody> </table> <p data-bbox="288 1270 627 1299">Setting:[1st side/2nd side]</p> <p data-bbox="288 1305 1054 1370">1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1382 1399 1713"> <thead> <tr> <th data-bbox="336 1382 564 1462">Display</th> <th data-bbox="564 1382 1066 1462">Description</th> <th data-bbox="1066 1382 1230 1462">Setting range</th> <th data-bbox="1230 1382 1399 1462">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1462 564 1552">Width<160</td> <td data-bbox="564 1462 1066 1552">width of paper<160</td> <td data-bbox="1066 1462 1230 1552">0 to 200</td> <td data-bbox="1230 1462 1399 1552">78/60/43 83/64/45</td> </tr> <tr> <td data-bbox="336 1552 564 1641">160<=Width<220</td> <td data-bbox="564 1552 1066 1641">160<= width of paper <220</td> <td data-bbox="1066 1552 1230 1641">0 to 200</td> <td data-bbox="1230 1552 1399 1641">53/41/30 55/43/31</td> </tr> <tr> <td data-bbox="336 1641 564 1713">220<=Width</td> <td data-bbox="564 1641 1066 1713">220<= width of paper</td> <td data-bbox="1066 1641 1230 1713">0 to 200</td> <td data-bbox="1230 1641 1399 1713">40/31/22 38/30/21</td> </tr> </tbody> </table> <p data-bbox="288 1736 767 1765">3. Press the start key. The value is set.</p> <p data-bbox="288 1805 440 1834">Completion</p> <p data-bbox="288 1841 1254 1870">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Width<160	width of paper<160	0 to 200	40/59	160<=Width<220	160<= width of paper <220	0 to 200	33/42	220<=Width	220<= width of paper	0 to 200	25/31	Display	Description	Light/Normal3	Weight of paper (light to usual 3)	Heavy1	Weight of paper (heavy 1)	Heavy2-3	Weight of paper (heavy 2 to 3)	Display	Description	1st side	Correction value of single-side printing	2nd side	Correction value of duplex printing	Display	Description	Setting range	Initial setting	Width<160	width of paper<160	0 to 200	78/60/43 83/64/45	160<=Width<220	160<= width of paper <220	0 to 200	53/41/30 55/43/31	220<=Width	220<= width of paper	0 to 200	40/31/22 38/30/21
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Item No.	Description																																				
U107	<p data-bbox="287 241 1013 275">Setting the voltage for the intermediate transfer cleaning</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1021 378">Sets the control voltage for the intermediate transfer cleaning.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1380 450">To change the setting when the offset by a defective cleaning of the transfer belt is generate.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 1101 586" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="335 598 1396 788"> <thead> <tr> <th data-bbox="343 609 638 642">Display</th> <th data-bbox="638 609 1388 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 645 638 678">Belt(A)</td> <td data-bbox="638 645 1388 678">Correction value of belt A</td> </tr> <tr> <td data-bbox="343 680 638 714">Belt(B)</td> <td data-bbox="638 680 1388 714">Correction value of belt B</td> </tr> <tr> <td data-bbox="343 716 638 750">Belt(C)</td> <td data-bbox="638 716 1388 750">Correction value of belt C</td> </tr> </tbody> </table> <p data-bbox="287 828 383 862">Setting</p> <ol data-bbox="303 864 1053 931" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="335 943 1396 1350"> <thead> <tr> <th data-bbox="343 954 566 987">Display</th> <th data-bbox="566 954 1061 987">Description</th> <th data-bbox="1061 954 1228 987">Setting range</th> <th data-bbox="1228 954 1388 987">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 990 566 1023">Full</td> <td data-bbox="566 990 1061 1023">Full speed printing of color</td> <td data-bbox="1061 990 1228 1023">0 to 200</td> <td data-bbox="1228 990 1388 1023">60/90/90</td> </tr> <tr> <td data-bbox="343 1025 566 1059">Half</td> <td data-bbox="566 1025 1061 1059">Half speed printing of color</td> <td data-bbox="1061 1025 1228 1059">0 to 200</td> <td data-bbox="1228 1025 1388 1059">30/45/45</td> </tr> <tr> <td data-bbox="343 1061 566 1095">3/4</td> <td data-bbox="566 1061 1061 1095">75% of full speed printing of color</td> <td data-bbox="1061 1061 1228 1095">0 to 200</td> <td data-bbox="1228 1061 1388 1095">45/68/68</td> </tr> <tr> <td data-bbox="343 1097 566 1131">B/W Full</td> <td data-bbox="566 1097 1061 1131">Full speed printing of monochrome</td> <td data-bbox="1061 1097 1228 1131">0 to 200</td> <td data-bbox="1228 1097 1388 1131">60/90/90</td> </tr> <tr> <td data-bbox="343 1133 566 1167">B/W Half</td> <td data-bbox="566 1133 1061 1167">Half speed printing of monochrome</td> <td data-bbox="1061 1133 1228 1167">0 to 200</td> <td data-bbox="1228 1133 1388 1167">30/45/45</td> </tr> <tr> <td data-bbox="343 1169 566 1202">B/W 3/4</td> <td data-bbox="566 1169 1061 1202">75% of full speed printing of monochrome</td> <td data-bbox="1061 1169 1228 1202">0 to 200</td> <td data-bbox="1228 1169 1388 1202">45/68/68</td> </tr> </tbody> </table> <ol data-bbox="303 1368 766 1402" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="287 1440 438 1473">Completion</p> <p data-bbox="287 1476 1252 1509">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Belt(A)	Correction value of belt A	Belt(B)	Correction value of belt B	Belt(C)	Correction value of belt C	Display	Description	Setting range	Initial setting	Full	Full speed printing of color	0 to 200	60/90/90	Half	Half speed printing of color	0 to 200	30/45/45	3/4	75% of full speed printing of color	0 to 200	45/68/68	B/W Full	Full speed printing of monochrome	0 to 200	60/90/90	B/W Half	Half speed printing of monochrome	0 to 200	30/45/45	B/W 3/4	75% of full speed printing of monochrome	0 to 200	45/68/68
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B/W 3/4	75% of full speed printing of monochrome	0 to 200	45/68/68																																		

Item No.	Description																																												
U108	<p data-bbox="288 241 651 275">Setting separation shift bias</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 983 376">Adjusts output of separation shift bias and ON/OFF timing.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 994 445">To set when the separated malfunction of the paper occurs.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 1102 584" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="336 595 1399 887"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Light/Normal1</td> <td data-bbox="639 640 1399 685">Weight of paper (light to usual 1)</td> </tr> <tr> <td data-bbox="336 685 639 730">Normal2/3</td> <td data-bbox="639 685 1399 730">Weight of paper (usual 2 to 3)</td> </tr> <tr> <td data-bbox="336 730 639 775">Heavy1</td> <td data-bbox="639 730 1399 775">Weight of paper (heavy 1)</td> </tr> <tr> <td data-bbox="336 775 639 819">Coated</td> <td data-bbox="639 775 1399 819">Kind of paper (Coated paper)</td> </tr> <tr> <td data-bbox="336 819 639 887">Timing</td> <td data-bbox="639 819 1399 887">Setting of the separation timing</td> </tr> </tbody> </table> <p data-bbox="288 943 971 974">Setting:[Light/Normal1 / Normal2/3 / Heavy1 / Coated]</p> <ol data-bbox="304 978 1054 1046" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1055 1399 1227"> <thead> <tr> <th data-bbox="336 1055 560 1122">Display</th> <th data-bbox="560 1055 1054 1122">Description</th> <th data-bbox="1054 1055 1225 1122">Setting range</th> <th data-bbox="1225 1055 1399 1122">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1122 560 1167">1st side</td> <td data-bbox="560 1122 1054 1167">Correction value of single-side printing</td> <td data-bbox="1054 1122 1225 1167">0 to 40</td> <td data-bbox="1225 1122 1399 1167">20/10/10/10</td> </tr> <tr> <td data-bbox="336 1167 560 1227">2nd side</td> <td data-bbox="560 1167 1054 1227">Correction value of duplex printing</td> <td data-bbox="1054 1167 1225 1227">0 to 40</td> <td data-bbox="1225 1167 1399 1227">20/12/10/10</td> </tr> </tbody> </table> <p data-bbox="288 1279 496 1310">Setting:[Timing]</p> <ol data-bbox="304 1314 1054 1382" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1391 1399 1704"> <thead> <tr> <th data-bbox="336 1391 560 1458">Display</th> <th data-bbox="560 1391 1054 1458">Description</th> <th data-bbox="1054 1391 1225 1458">Setting range</th> <th data-bbox="1225 1391 1399 1458">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1458 560 1547">Add Normal Lead</td> <td data-bbox="560 1458 1054 1547">for the leading edge on paper</td> <td data-bbox="1054 1458 1225 1547">0 to 20</td> <td data-bbox="1225 1458 1399 1547">3</td> </tr> <tr> <td data-bbox="336 1547 560 1592">On Timing 1</td> <td data-bbox="560 1547 1054 1592">Adjustment of the ON Timing 1</td> <td data-bbox="1054 1547 1225 1592">-100 to 100</td> <td data-bbox="1225 1547 1399 1592">0</td> </tr> <tr> <td data-bbox="336 1592 560 1637">On Timing 2</td> <td data-bbox="560 1592 1054 1637">Adjustment of the ON Timing 2</td> <td data-bbox="1054 1592 1225 1637">-100 to 100</td> <td data-bbox="1225 1592 1399 1637">0</td> </tr> <tr> <td data-bbox="336 1637 560 1704">Off Timing</td> <td data-bbox="560 1637 1054 1704">Adjustment of the OFF Timing</td> <td data-bbox="1054 1637 1225 1704">-100 to 100</td> <td data-bbox="1225 1637 1399 1704">100</td> </tr> </tbody> </table> <ol data-bbox="304 1727 767 1758" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1798 440 1830">Completion</p> <p data-bbox="288 1834 1257 1865">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Light/Normal1	Weight of paper (light to usual 1)	Normal2/3	Weight of paper (usual 2 to 3)	Heavy1	Weight of paper (heavy 1)	Coated	Kind of paper (Coated paper)	Timing	Setting of the separation timing	Display	Description	Setting range	Initial setting	1st side	Correction value of single-side printing	0 to 40	20/10/10/10	2nd side	Correction value of duplex printing	0 to 40	20/12/10/10	Display	Description	Setting range	Initial setting	Add Normal Lead	for the leading edge on paper	0 to 20	3	On Timing 1	Adjustment of the ON Timing 1	-100 to 100	0	On Timing 2	Adjustment of the ON Timing 2	-100 to 100	0	Off Timing	Adjustment of the OFF Timing	-100 to 100	100
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On Timing 1	Adjustment of the ON Timing 1	-100 to 100	0																																										
On Timing 2	Adjustment of the ON Timing 2	-100 to 100	0																																										
Off Timing	Adjustment of the OFF Timing	-100 to 100	100																																										

Item No.	Description										
U110	<p>Checking the drum count</p> <p>Description Displays the drum counts for checking.</p> <p>Purpose To check the drum status.</p> <p>Method 1. Press the start key. The current drum counts is displayed.</p> <table border="1" data-bbox="336 562 1401 801"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 651">C</td> <td data-bbox="639 607 1401 651">Drum count value for cyan</td> </tr> <tr> <td data-bbox="336 651 639 696">M</td> <td data-bbox="639 651 1401 696">Drum count value for magenta</td> </tr> <tr> <td data-bbox="336 696 639 741">Y</td> <td data-bbox="639 696 1401 741">Drum count value for yellow</td> </tr> <tr> <td data-bbox="336 741 639 786">K</td> <td data-bbox="639 741 1401 786">Drum count value for black</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Drum count value for cyan	M	Drum count value for magenta	Y	Drum count value for yellow	K	Drum count value for black
Display	Description										
C	Drum count value for cyan										
M	Drum count value for magenta										
Y	Drum count value for yellow										
K	Drum count value for black										
U111	<p>Checking the drum drive time</p> <p>Description Displays the drum drive time for checking a figure, which is used as a reference when correcting the high voltage based on time.</p> <p>Purpose To check the drum status.</p> <p>Method 1. Press the start key. 2. Select the item. The drum drive time is displayed.</p> <table border="1" data-bbox="336 1357 1401 1597"> <thead> <tr> <th data-bbox="336 1357 639 1402">Display</th> <th data-bbox="639 1357 1401 1402">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1402 639 1447">C</td> <td data-bbox="639 1402 1401 1447">Cyan drum drive time</td> </tr> <tr> <td data-bbox="336 1447 639 1491">M</td> <td data-bbox="639 1447 1401 1491">Magenta drum drive time</td> </tr> <tr> <td data-bbox="336 1491 639 1536">Y</td> <td data-bbox="639 1491 1401 1536">Yellow drum drive time</td> </tr> <tr> <td data-bbox="336 1536 639 1581">K</td> <td data-bbox="639 1536 1401 1581">Black drum drive time</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan drum drive time	M	Magenta drum drive time	Y	Yellow drum drive time	K	Black drum drive time
Display	Description										
C	Cyan drum drive time										
M	Magenta drum drive time										
Y	Yellow drum drive time										
K	Black drum drive time										

Item No.	Description																
U117	<p>Checking the drum number</p> <p>Description Displays the drum number.</p> <p>Purpose To check the drum number.</p> <p>Method 1. Press the start key. The drum number is displayed.</p> <table border="1" data-bbox="336 562 1401 801"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Cyan drum number</td> </tr> <tr> <td>M</td> <td>Magenta drum number</td> </tr> <tr> <td>Y</td> <td>Yellow drum number</td> </tr> <tr> <td>K</td> <td>Black drum number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan drum number	M	Magenta drum number	Y	Yellow drum number	K	Black drum number						
Display	Description																
C	Cyan drum number																
M	Magenta drum number																
Y	Yellow drum number																
K	Black drum number																
U118	<p>Displaying the drum history</p> <p>Description Displays the past record of machine number and the drum counter.</p> <p>Purpose To check the count value of machine number and the drum counter.</p> <p>Method 1. Press the start key. 2. Select the color to reference.</p> <table border="1" data-bbox="336 1323 1401 1563"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Cyan drum past record</td> </tr> <tr> <td>M</td> <td>Magenta drum past record</td> </tr> <tr> <td>Y</td> <td>Yellow drum past record</td> </tr> <tr> <td>K</td> <td>Black drum past record</td> </tr> </tbody> </table> <p>* : The history of a machine number and a drum counter for each color is displayed by three cases.</p> <table border="1" data-bbox="336 1677 1401 1821"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Machine History 1 - 3</td> <td>Historical records of the machine number</td> </tr> <tr> <td>Cnt History 1 - 3</td> <td>Historical records of drum counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan drum past record	M	Magenta drum past record	Y	Yellow drum past record	K	Black drum past record	Display	Description	Machine History 1 - 3	Historical records of the machine number	Cnt History 1 - 3	Historical records of drum counter
Display	Description																
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K	Black drum past record																
Display	Description																
Machine History 1 - 3	Historical records of the machine number																
Cnt History 1 - 3	Historical records of drum counter																

Item No.	Description						
U122	<p>Checking the transfer belt unit number</p> <p>Description Displays the number of the transfer belt unit for checking.</p> <p>Purpose To check the number of the transfer belt.</p> <p>Method 1. Press the start key. The current number of the transfer belt is displayed.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>						
U123	<p>Displaying the transfer belt unit history</p> <p>Description Displays the past record of machine number and the transfer belt unit counter.</p> <p>Purpose To check the count value of machine number and the transfer counter.</p> <p>Method 1. Press the start key. The history of a machine number and a transfer belt unit counter for each color is displayed by three cases.</p> <table border="1" data-bbox="319 1142 1417 1288"> <thead> <tr> <th data-bbox="319 1142 657 1191">Display</th> <th data-bbox="657 1142 1417 1191">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="319 1191 657 1240">Machine History 1 - 3</td> <td data-bbox="657 1191 1417 1240">Historical records of the machine number</td> </tr> <tr> <td data-bbox="319 1240 657 1288">Count History 1 - 3</td> <td data-bbox="657 1240 1417 1288">Historical records of transfer belt unit counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Machine History 1 - 3	Historical records of the machine number	Count History 1 - 3	Historical records of transfer belt unit counter
Display	Description						
Machine History 1 - 3	Historical records of the machine number						
Count History 1 - 3	Historical records of transfer belt unit counter						

Item No.	Description						
U127	<p>Checking/clearing the transfer count</p> <p>Description Displays and clears the counts of the transfer counter.</p> <p>Purpose To check the count after replacement of the transfer belt unit or transfer roller. Also to clear the counts after replacing transfer roller.</p> <p>Method 1. Press the start key. The current counts of the transfer counter is displayed.</p> <table border="1" data-bbox="319 593 1409 736"> <thead> <tr> <th data-bbox="319 593 651 638">Display</th> <th data-bbox="651 593 1409 638">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="319 638 651 683">Mid Trans(Cnt)</td> <td data-bbox="651 638 1409 683">Transfer belt unit counter value (Cnt)</td> </tr> <tr> <td data-bbox="319 683 651 736">2nd Trans(Cnt)</td> <td data-bbox="651 683 1409 736">Transfer roller counter value (Cnt)</td> </tr> </tbody> </table> <p>Clearing 1. Select [Clear]. 2. Press the start key. The counter value is cleared. Clears only the transfer roller. The transfer belt unit is not cleared.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mid Trans(Cnt)	Transfer belt unit counter value (Cnt)	2nd Trans(Cnt)	Transfer roller counter value (Cnt)
Display	Description						
Mid Trans(Cnt)	Transfer belt unit counter value (Cnt)						
2nd Trans(Cnt)	Transfer roller counter value (Cnt)						
U135	<p>Checking toner motor operation</p> <p>Description Drives toner motors.</p> <p>Purpose To check the operation of toner motors.</p> <p>Remarks When driving the toner motors long time or several times, developer section becomes the toner full and is locked.</p> <p>Method 1. Press the start key. 2. Select [Toner]. 3. Press the start key. The operation starts.</p> <table border="1" data-bbox="336 1648 1401 1744"> <thead> <tr> <th data-bbox="336 1648 643 1693">Display</th> <th data-bbox="643 1648 1401 1693">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1693 643 1744">Toner</td> <td data-bbox="643 1693 1401 1744">Toner motor (TM) is turned on</td> </tr> </tbody> </table> <p>4. To stop the operation, press the stop key.</p> <p>Completion Press the stop key after operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Toner	Toner motor (TM) is turned on		
Display	Description						
Toner	Toner motor (TM) is turned on						

Item No.	Description												
U136	<p>Setting toner near end detection</p> <p>Description Sets the level that indicates the number of sheets that can be printed from occurrence of toner near end to toner empty.</p> <p>Purpose To change the setting to advance detection of near end if the interval from toner near end to toner empty seems too short.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="347 663 1414 831"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>CMY</td> <td>Setting the level of cyan/magenta/yellow toner</td> <td>0 to 10</td> <td>3</td> </tr> <tr> <td>K</td> <td>Setting the level of black toner</td> <td>0 to 10</td> <td>3</td> </tr> </tbody> </table> <p>Increasing the setting makes the interval from toner near end to toner empty longer. Decreasing the setting makes the interval from toner near end to toner empty shorter. If 0 is set, toner near end will not be detected. * : The change is not in the level of set value 5 to 10. * : Initialsetting for inch specification machine: 0 (except Philippines)</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	CMY	Setting the level of cyan/magenta/yellow toner	0 to 10	3	K	Setting the level of black toner	0 to 10	3
Display	Description	Setting range	Initial setting										
CMY	Setting the level of cyan/magenta/yellow toner	0 to 10	3										
K	Setting the level of black toner	0 to 10	3										
U139	<p>Displaying the temperature and humidity outside the machine</p> <p>Description Displays the detected temperature and humidity outside the machine.</p> <p>Purpose To check the temperature and humidity outside the machine.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The detected temperature are displayed. <table border="1" data-bbox="347 1514 1414 1800"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>External Temp</td> <td>External temperature (°C)</td> </tr> <tr> <td>External Humidity</td> <td>External humidity (%)</td> </tr> <tr> <td>LSU Temp(COL)</td> <td>Internal temperature around the laser scanner unit (COL) (°C)</td> </tr> <tr> <td>LSU Temp (K)</td> <td>Internal temperature around the laser scanner unit (K) (°C)</td> </tr> <tr> <td>Dev Temp</td> <td>Internal temperature around the developer section (°C)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	External Temp	External temperature (°C)	External Humidity	External humidity (%)	LSU Temp(COL)	Internal temperature around the laser scanner unit (COL) (°C)	LSU Temp (K)	Internal temperature around the laser scanner unit (K) (°C)	Dev Temp	Internal temperature around the developer section (°C)
Display	Description												
External Temp	External temperature (°C)												
External Humidity	External humidity (%)												
LSU Temp(COL)	Internal temperature around the laser scanner unit (COL) (°C)												
LSU Temp (K)	Internal temperature around the laser scanner unit (K) (°C)												
Dev Temp	Internal temperature around the developer section (°C)												

Item No.	Description																																																									
U140	<p data-bbox="287 241 582 275">Setting developer bias</p> <p data-bbox="287 309 438 342">Description Setting the value of various developer bias.</p> <p data-bbox="287 376 399 409">Purpose To check and setting the value of developer bias.</p> <p data-bbox="287 488 391 521">Method</p> <ol data-bbox="311 521 646 589" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="347 589 1412 1025"> <thead> <tr> <th data-bbox="355 600 651 633">Display</th> <th data-bbox="651 600 1404 633">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 645 651 678">Mag DC</td> <td data-bbox="651 645 1404 678">Setting the value of magnet DC bias.</td> </tr> <tr> <td data-bbox="355 689 651 723">Sleeve DC</td> <td data-bbox="651 689 1404 723">Setting the value of sleeve DC bias.</td> </tr> <tr> <td data-bbox="355 734 651 768">Clock Freq</td> <td data-bbox="651 734 1404 768">Setting the value of clock frequency.</td> </tr> <tr> <td data-bbox="355 779 651 813">Clock Duty</td> <td data-bbox="651 779 1404 813">Setting the value of clock duty.</td> </tr> <tr> <td data-bbox="355 824 651 857">AC Ctrl</td> <td data-bbox="651 824 1404 857">Setting the value of AC control voltage.</td> </tr> <tr> <td data-bbox="355 869 651 902">On Timing</td> <td data-bbox="651 869 1404 902">Setting the value of developer On timing.</td> </tr> <tr> <td data-bbox="355 913 651 947">Off Timing</td> <td data-bbox="651 913 1404 947">Setting the value of developer Off timing.</td> </tr> <tr> <td data-bbox="355 958 651 992">Image Preference</td> <td data-bbox="651 958 1404 992">Toner density setting</td> </tr> </tbody> </table> <p data-bbox="287 1081 1045 1115">Setting: [Mag DC/Sleeve DC/Clock Freq/Clock Duty/AC Ctrl]</p> <ol data-bbox="311 1115 1053 1182" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="335 1193 1412 1821"> <thead> <tr> <th data-bbox="343 1205 566 1238">Display</th> <th data-bbox="566 1205 1117 1238">Description</th> <th data-bbox="1117 1205 1404 1238">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1249 566 1283">C</td> <td data-bbox="566 1249 1117 1283">Setting the value of cyan.</td> <td data-bbox="1117 1249 1404 1283">480/180/36/37/1500</td> </tr> <tr> <td data-bbox="343 1294 566 1328">M</td> <td data-bbox="566 1294 1117 1328">Setting the value of magenta.</td> <td data-bbox="1117 1294 1404 1328">480/180/36/37/1500</td> </tr> <tr> <td data-bbox="343 1339 566 1373">Y</td> <td data-bbox="566 1339 1117 1373">Setting the value of yellow.</td> <td data-bbox="1117 1339 1404 1373">450/150/36/37/1500</td> </tr> <tr> <td data-bbox="343 1384 566 1417">K</td> <td data-bbox="566 1384 1117 1417">Setting the value of black.</td> <td data-bbox="1117 1384 1404 1417">450/150/36/37/1500</td> </tr> <tr> <td data-bbox="343 1429 566 1462">Remove C</td> <td data-bbox="566 1429 1117 1462">Setting the value of remove cyan.</td> <td data-bbox="1117 1429 1404 1462">50/150/36/33/1150</td> </tr> <tr> <td data-bbox="343 1473 566 1507">Remove M</td> <td data-bbox="566 1473 1117 1507">Setting the value of remove magenta.</td> <td data-bbox="1117 1473 1404 1507">50/150/36/33/1150</td> </tr> <tr> <td data-bbox="343 1518 566 1552">Remove Y</td> <td data-bbox="566 1518 1117 1552">Setting the value of remove yellow.</td> <td data-bbox="1117 1518 1404 1552">50/150/36/33/1150</td> </tr> <tr> <td data-bbox="343 1563 566 1597">Remove K</td> <td data-bbox="566 1563 1117 1597">Setting the value of remove black.</td> <td data-bbox="1117 1563 1404 1597">50/150/36/33/1150</td> </tr> <tr> <td data-bbox="343 1608 566 1641">Remove C Half</td> <td data-bbox="566 1608 1117 1641">Setting the value of remove cyan Half.</td> <td data-bbox="1117 1608 1404 1641">380/180/36/33/1150</td> </tr> <tr> <td data-bbox="343 1653 566 1686">Remove M Half</td> <td data-bbox="566 1653 1117 1686">Setting the value of remove magenta Half.</td> <td data-bbox="1117 1653 1404 1686">380/180/36/33/1150</td> </tr> <tr> <td data-bbox="343 1697 566 1731">Remove Y Half</td> <td data-bbox="566 1697 1117 1731">Setting the value of remove yellow Half.</td> <td data-bbox="1117 1697 1404 1731">350/150/36/33/1150</td> </tr> <tr> <td data-bbox="343 1742 566 1776">Remove K Half</td> <td data-bbox="566 1742 1117 1776">Setting the value of remove black Half.</td> <td data-bbox="1117 1742 1404 1776">350/150/36/33/1150</td> </tr> </tbody> </table> <ol data-bbox="311 1843 766 1877" style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Mag DC	Setting the value of magnet DC bias.	Sleeve DC	Setting the value of sleeve DC bias.	Clock Freq	Setting the value of clock frequency.	Clock Duty	Setting the value of clock duty.	AC Ctrl	Setting the value of AC control voltage.	On Timing	Setting the value of developer On timing.	Off Timing	Setting the value of developer Off timing.	Image Preference	Toner density setting	Display	Description	Initial setting	C	Setting the value of cyan.	480/180/36/37/1500	M	Setting the value of magenta.	480/180/36/37/1500	Y	Setting the value of yellow.	450/150/36/37/1500	K	Setting the value of black.	450/150/36/37/1500	Remove C	Setting the value of remove cyan.	50/150/36/33/1150	Remove M	Setting the value of remove magenta.	50/150/36/33/1150	Remove Y	Setting the value of remove yellow.	50/150/36/33/1150	Remove K	Setting the value of remove black.	50/150/36/33/1150	Remove C Half	Setting the value of remove cyan Half.	380/180/36/33/1150	Remove M Half	Setting the value of remove magenta Half.	380/180/36/33/1150	Remove Y Half	Setting the value of remove yellow Half.	350/150/36/33/1150	Remove K Half	Setting the value of remove black Half.	350/150/36/33/1150
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Remove K Half	Setting the value of remove black Half.	350/150/36/33/1150																																																								

Item No.	Description																												
U140	<p data-bbox="287 241 694 275">Setting: [On Timing/On Timing]</p> <ol data-bbox="287 280 1053 347" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="335 353 1420 631"> <thead> <tr> <th data-bbox="343 365 566 432">Display</th> <th data-bbox="566 365 1066 432">Description</th> <th data-bbox="1066 365 1252 432">Setting range</th> <th data-bbox="1252 365 1412 432">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 432 566 477">C</td> <td data-bbox="566 432 1066 477">Setting the value of cyan.</td> <td data-bbox="1066 432 1252 477">-500 to 500</td> <td data-bbox="1252 432 1412 477">0/0</td> </tr> <tr> <td data-bbox="343 477 566 521">M</td> <td data-bbox="566 477 1066 521">Setting the value of magenta.</td> <td data-bbox="1066 477 1252 521">-500 to 500</td> <td data-bbox="1252 477 1412 521">0/0</td> </tr> <tr> <td data-bbox="343 521 566 566">Y</td> <td data-bbox="566 521 1066 566">Setting the value of yellowt.</td> <td data-bbox="1066 521 1252 566">-500 to 500</td> <td data-bbox="1252 521 1412 566">0/0</td> </tr> <tr> <td data-bbox="343 566 566 631">K</td> <td data-bbox="566 566 1066 631">Setting the value of black.</td> <td data-bbox="1066 566 1252 631">-500 to 500</td> <td data-bbox="1252 566 1412 631">0/0</td> </tr> </tbody> </table> <ol data-bbox="287 645 766 678" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="287 712 646 745">Method: [Image Preference]</p> <ol data-bbox="287 750 901 817" style="list-style-type: none"> 1. Select the Copy. 2. Change the value using the +/- or numeric keys. <table border="1" data-bbox="335 824 1396 992"> <thead> <tr> <th data-bbox="343 835 491 902">Display</th> <th data-bbox="491 835 1125 902">Description</th> <th data-bbox="1125 835 1260 902">Setting range</th> <th data-bbox="1260 835 1388 902">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 902 491 992">Copy</td> <td data-bbox="491 902 1125 992">Setting toner density at copying</td> <td data-bbox="1125 902 1260 992">-1 to +1</td> <td data-bbox="1260 902 1388 992">0 1 (120V)</td> </tr> </tbody> </table> <p data-bbox="287 1008 638 1041">1: Low 0: Normal +1: Deep</p> <p data-bbox="287 1075 438 1108">Completion</p> <p data-bbox="287 1113 1252 1146">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	C	Setting the value of cyan.	-500 to 500	0/0	M	Setting the value of magenta.	-500 to 500	0/0	Y	Setting the value of yellowt.	-500 to 500	0/0	K	Setting the value of black.	-500 to 500	0/0	Display	Description	Setting range	Initial setting	Copy	Setting toner density at copying	-1 to +1	0 1 (120V)
Display	Description	Setting range	Initial setting																										
C	Setting the value of cyan.	-500 to 500	0/0																										
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Y	Setting the value of yellowt.	-500 to 500	0/0																										
K	Setting the value of black.	-500 to 500	0/0																										
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Copy	Setting toner density at copying	-1 to +1	0 1 (120V)																										

Item No.	Description												
U147	<p data-bbox="288 241 746 275">Setting for toner applying operation</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1434 445">Sets the mode for removing charged toner in the developer unit (T7 control: Toner applying operation). In order to protect a cleaning blade, a mode setup of an interval (Drum T7 drive: Toner supply operation) which carries out toner supply is performed.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 1422 546">Changing settings are not required. However, when the documents with lower print density (e.g. less than 2%) should customarily printed in a great volume, mode must be changed.</p> <p data-bbox="288 551 1129 582">If the charged toner stays inside the developer unit, density decreases.</p> <p data-bbox="288 620 384 649">Setting</p> <ol data-bbox="304 656 1054 757" style="list-style-type: none"> 1. Press the start key 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 768 1422 943"> <thead> <tr> <th data-bbox="336 768 639 846">Display</th> <th data-bbox="639 768 1023 846">Description</th> <th data-bbox="1023 768 1222 846">Setting range</th> <th data-bbox="1222 768 1422 846">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 846 639 891">T7</td> <td data-bbox="639 846 1023 891">T7 Operational mode</td> <td data-bbox="1023 846 1222 891">0 to 1 *1</td> <td data-bbox="1222 846 1422 891">0</td> </tr> <tr> <td data-bbox="336 891 639 943">Drum T7</td> <td data-bbox="639 891 1023 943">Drum T7 operational mode</td> <td data-bbox="1023 891 1222 943">0 to 255 *2</td> <td data-bbox="1222 891 1422 943">60</td> </tr> </tbody> </table> <p data-bbox="312 967 1177 999">*1: Even if it changes the preset value of T7, operation does not change.</p> <p data-bbox="312 1003 1190 1034">*2: At the preset value 60, they are toner supplies spaced at 600 seconds.</p> <ol data-bbox="304 1072 783 1104" style="list-style-type: none"> 4. Press the start key. The setting is set. <p data-bbox="288 1142 440 1171">Completion</p> <p data-bbox="288 1176 1257 1207">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	T7	T7 Operational mode	0 to 1 *1	0	Drum T7	Drum T7 operational mode	0 to 255 *2	60
Display	Description	Setting range	Initial setting										
T7	T7 Operational mode	0 to 1 *1	0										
Drum T7	Drum T7 operational mode	0 to 255 *2	60										

Item No.	Description																										
U150	<p data-bbox="288 241 639 271">Checking sensors for toner</p> <p data-bbox="288 309 440 338">Description</p> <p data-bbox="288 344 1082 374">Displays the on-off status of each sensor or switch related to toner.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 416 938 445">To check if the sensors and switches operate correctly.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="312 519 1115 577" style="list-style-type: none"> 1. Press the start key. 2. Select the item. The screen for executing each item is displayed. <table border="1" data-bbox="347 584 1412 730"> <thead> <tr> <th data-bbox="352 591 651 636">Display</th> <th data-bbox="651 591 1407 636">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="352 636 651 680">T/C</td> <td data-bbox="651 636 1407 680">Displays the state of the toner sensor.</td> </tr> <tr> <td data-bbox="352 680 651 725">Waste Box</td> <td data-bbox="651 680 1407 725">Displays the state of the waste toner box.</td> </tr> </tbody> </table> <p data-bbox="288 781 464 810">Method: [T/C]</p> <ol data-bbox="312 817 1401 913" style="list-style-type: none"> 1. Turn each switch or sensor on and off manually to check the status. When a switch or sensor is detected to be in the ON position, the display for that switch or sensor will be "1" <table border="1" data-bbox="336 927 1412 1518"> <thead> <tr> <th data-bbox="341 934 639 978">Display</th> <th data-bbox="639 934 1407 978">Switches and sensors</th> </tr> </thead> <tbody> <tr> <td data-bbox="341 978 639 1023">T/C Sensor (C)</td> <td data-bbox="639 978 1407 1023">Displays the state of the toner sensor (Cyan).</td> </tr> <tr> <td data-bbox="341 1023 639 1068">T/C Sensor (M)</td> <td data-bbox="639 1023 1407 1068">Displays the state of the toner sensor (Magenta).</td> </tr> <tr> <td data-bbox="341 1068 639 1113">T/C Sensor (Y)</td> <td data-bbox="639 1068 1407 1113">Displays the state of the toner sensor (Yellow).</td> </tr> <tr> <td data-bbox="341 1113 639 1158">T/C Sensor (K)</td> <td data-bbox="639 1113 1407 1158">Displays the state of the toner sensor (Black).</td> </tr> <tr> <td data-bbox="341 1158 639 1202">Motor</td> <td data-bbox="639 1158 1407 1202">Drives developer motor, developer clutch.</td> </tr> <tr> <td data-bbox="341 1202 639 1292">Last print (C)</td> <td data-bbox="639 1202 1407 1292">Displays the state of the toner sensor at the time of the last printing (Cyan).</td> </tr> <tr> <td data-bbox="341 1292 639 1382">Last print (M)</td> <td data-bbox="639 1292 1407 1382">Displays the state of the toner sensor at the time of the last printing (Magenta).</td> </tr> <tr> <td data-bbox="341 1382 639 1471">Last print (Y)</td> <td data-bbox="639 1382 1407 1471">Displays the state of the toner sensor at the time of the last printing (Yellow).</td> </tr> <tr> <td data-bbox="341 1471 639 1516">Last print (K)</td> <td data-bbox="639 1471 1407 1516">Displays the state of the toner sensor at the time of the last printing (Black).</td> </tr> </tbody> </table> <ol data-bbox="312 1552 823 1581" style="list-style-type: none"> 2. To stop motor driving, press the stop key. 	Display	Description	T/C	Displays the state of the toner sensor.	Waste Box	Displays the state of the waste toner box.	Display	Switches and sensors	T/C Sensor (C)	Displays the state of the toner sensor (Cyan).	T/C Sensor (M)	Displays the state of the toner sensor (Magenta).	T/C Sensor (Y)	Displays the state of the toner sensor (Yellow).	T/C Sensor (K)	Displays the state of the toner sensor (Black).	Motor	Drives developer motor, developer clutch.	Last print (C)	Displays the state of the toner sensor at the time of the last printing (Cyan).	Last print (M)	Displays the state of the toner sensor at the time of the last printing (Magenta).	Last print (Y)	Displays the state of the toner sensor at the time of the last printing (Yellow).	Last print (K)	Displays the state of the toner sensor at the time of the last printing (Black).
Display	Description																										
T/C	Displays the state of the toner sensor.																										
Waste Box	Displays the state of the waste toner box.																										
Display	Switches and sensors																										
T/C Sensor (C)	Displays the state of the toner sensor (Cyan).																										
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Motor	Drives developer motor, developer clutch.																										
Last print (C)	Displays the state of the toner sensor at the time of the last printing (Cyan).																										
Last print (M)	Displays the state of the toner sensor at the time of the last printing (Magenta).																										
Last print (Y)	Displays the state of the toner sensor at the time of the last printing (Yellow).																										
Last print (K)	Displays the state of the toner sensor at the time of the last printing (Black).																										

Item No.	Description										
U150	<p>Method: [Waste Box]</p> <p>1. Turn each switch or sensor on and off manually to check the status. When a switch or sensor is detected to be in the ON position, the display for that switch or sensor will be "1"</p> <table border="1" data-bbox="336 389 1410 533"> <thead> <tr> <th data-bbox="336 389 639 434">Display</th> <th data-bbox="639 389 1410 434">Switches and sensors</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 434 639 479">Waste Box Sensor</td> <td data-bbox="639 434 1410 479">Displays the state of the waste toner box.</td> </tr> <tr> <td data-bbox="336 479 639 533">Motor</td> <td data-bbox="639 479 1410 533">Drives developer motor, developer clutch.</td> </tr> </tbody> </table> <p>2. To stop motor driving, press the stop key.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Switches and sensors	Waste Box Sensor	Displays the state of the waste toner box.	Motor	Drives developer motor, developer clutch.				
Display	Switches and sensors										
Waste Box Sensor	Displays the state of the waste toner box.										
Motor	Drives developer motor, developer clutch.										
U157	<p>Checking the developer drive time</p> <p>Description Displays the developer drive time for checking a figure, which is used as a reference when correcting the toner control.</p> <p>Purpose To check the developer drive time after replacing the developer unit.</p> <p>Method</p> <p>1. Press the start key. The developer drive time of each color is displayed.</p> <table border="1" data-bbox="339 1061 1404 1301"> <thead> <tr> <th data-bbox="339 1061 644 1106">Display</th> <th data-bbox="644 1061 1404 1106">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="339 1106 644 1151">C</td> <td data-bbox="644 1106 1404 1151">Cyan developer drive time (min)</td> </tr> <tr> <td data-bbox="339 1151 644 1196">M</td> <td data-bbox="644 1151 1404 1196">Magenta developer drive time (min)</td> </tr> <tr> <td data-bbox="339 1196 644 1240">Y</td> <td data-bbox="644 1196 1404 1240">Yellow developer drive time (min)</td> </tr> <tr> <td data-bbox="339 1240 644 1301">K</td> <td data-bbox="644 1240 1404 1301">Black developer drive time (min)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan developer drive time (min)	M	Magenta developer drive time (min)	Y	Yellow developer drive time (min)	K	Black developer drive time (min)
Display	Description										
C	Cyan developer drive time (min)										
M	Magenta developer drive time (min)										
Y	Yellow developer drive time (min)										
K	Black developer drive time (min)										

Item No.	Description										
U158	<p data-bbox="290 241 676 275">Checking the developer count</p> <p data-bbox="290 311 440 342">Description</p> <p data-bbox="290 344 794 378">Displays the developer count for checking.</p> <p data-bbox="290 380 400 412">Purpose</p> <p data-bbox="290 414 703 448">To check the developer unit status.</p> <p data-bbox="290 483 387 515">Method</p> <p data-bbox="306 517 1074 551">1. Press the start key. The current developer counts is displayed.</p> <table border="1" data-bbox="336 562 1401 801"> <thead> <tr> <th data-bbox="336 562 639 611">Display</th> <th data-bbox="639 562 1401 611">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 611 639 660">C</td> <td data-bbox="639 611 1401 660">Developer count value for cyan</td> </tr> <tr> <td data-bbox="336 660 639 710">M</td> <td data-bbox="639 660 1401 710">Developer count value for magenta</td> </tr> <tr> <td data-bbox="336 710 639 759">Y</td> <td data-bbox="639 710 1401 759">Developer count value for yellow</td> </tr> <tr> <td data-bbox="336 759 639 801">K</td> <td data-bbox="639 759 1401 801">Developer count value for black</td> </tr> </tbody> </table> <p data-bbox="290 848 440 880">Completion</p> <p data-bbox="290 882 1256 916">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Developer count value for cyan	M	Developer count value for magenta	Y	Developer count value for yellow	K	Developer count value for black
Display	Description										
C	Developer count value for cyan										
M	Developer count value for magenta										
Y	Developer count value for yellow										
K	Developer count value for black										

Item No.	Description																																																																				
U161	<p data-bbox="288 241 766 275">Setting the fuser control temperature</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1404 409">Changes the fuser control temperature and control temperature correction value and other set values.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1426 515">Normally no change is necessary. However, this mode can be used to prevent curling or creasing of paper, or solve a fuser problem on thick paper.</p> <p data-bbox="288 551 384 580">Setting</p> <ol data-bbox="304 584 1054 685" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 698 1401 1886"> <thead> <tr> <th data-bbox="336 698 659 779">Display</th> <th data-bbox="659 698 1129 779">Description</th> <th data-bbox="1129 698 1289 779">Setting range</th> <th data-bbox="1289 698 1401 779">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 659 860">Copy Curb(Edge)</td> <td data-bbox="659 779 1129 860">Prevention temperature of overtemperature rise under copy</td> <td data-bbox="1129 779 1289 860">100 to 250</td> <td data-bbox="1289 779 1401 860">210</td> </tr> <tr> <td data-bbox="336 860 659 940">Curb(Edge)</td> <td data-bbox="659 860 1129 940">Prevention temperature of overtemperature rise</td> <td data-bbox="1129 860 1289 940">100 to 250</td> <td data-bbox="1289 860 1401 940">240</td> </tr> <tr> <td data-bbox="336 940 659 1021">Return(Edge)</td> <td data-bbox="659 940 1129 1021">Return temperature of overtemperature rise</td> <td data-bbox="1129 940 1289 1021">100 to 250</td> <td data-bbox="1289 940 1401 1021">190</td> </tr> <tr> <td data-bbox="336 1021 659 1079">Ready(Edge)</td> <td data-bbox="659 1021 1129 1079">Ready display temperature</td> <td data-bbox="1129 1021 1289 1079">0 to 200</td> <td data-bbox="1289 1021 1401 1079">110</td> </tr> <tr> <td data-bbox="336 1079 659 1137">Pressure(Press)</td> <td data-bbox="659 1079 1129 1137">Pressurizing beginning temperature</td> <td data-bbox="1129 1079 1289 1137">0 to 200</td> <td data-bbox="1289 1079 1401 1137">100</td> </tr> <tr> <td data-bbox="336 1137 659 1196">High speed(Center)</td> <td data-bbox="659 1137 1129 1196">Full speed shift temperature</td> <td data-bbox="1129 1137 1289 1196">0 to 200</td> <td data-bbox="1289 1137 1401 1196">125</td> </tr> <tr> <td data-bbox="336 1196 659 1254">Ready(Center)</td> <td data-bbox="659 1196 1129 1254">Ready display temperature</td> <td data-bbox="1129 1196 1289 1254">100 to 200</td> <td data-bbox="1289 1196 1401 1254">150</td> </tr> <tr> <td data-bbox="336 1254 659 1312">Drive(Center)</td> <td data-bbox="659 1254 1129 1312">The second stability temperature</td> <td data-bbox="1129 1254 1289 1312">100 to 200</td> <td data-bbox="1289 1254 1401 1312">155</td> </tr> <tr> <td data-bbox="336 1312 659 1370">Full speed(Center)</td> <td data-bbox="659 1312 1129 1370">Print control temperature</td> <td data-bbox="1129 1312 1289 1370">100 to 200</td> <td data-bbox="1289 1312 1401 1370">155</td> </tr> <tr> <td data-bbox="336 1370 659 1451">Wait(Center)</td> <td data-bbox="659 1370 1129 1451">Control temperature when being standing by</td> <td data-bbox="1129 1370 1289 1451">100 to 200</td> <td data-bbox="1289 1370 1401 1451">130</td> </tr> <tr> <td data-bbox="336 1451 659 1532">WarmUp Curb(Center)</td> <td data-bbox="659 1451 1129 1532">Electric power control temperature at start-up</td> <td data-bbox="1129 1451 1289 1532">0 to 200</td> <td data-bbox="1289 1451 1401 1532">150</td> </tr> <tr> <td data-bbox="336 1532 659 1612">Curb(Center)</td> <td data-bbox="659 1532 1129 1612">Prevention temperature of overtemperature rise</td> <td data-bbox="1129 1532 1289 1612">170 to 250</td> <td data-bbox="1289 1532 1401 1612">240</td> </tr> <tr> <td data-bbox="336 1612 659 1693">Low power(Center)</td> <td data-bbox="659 1612 1129 1693">Low electric power control temperature</td> <td data-bbox="1129 1612 1289 1693">0 to 200</td> <td data-bbox="1289 1612 1401 1693">90</td> </tr> <tr> <td data-bbox="336 1693 659 1751">Ready(Press)</td> <td data-bbox="659 1693 1129 1751">Ready display temperature</td> <td data-bbox="1129 1693 1289 1751">0 to 200</td> <td data-bbox="1289 1693 1401 1751">50</td> </tr> <tr> <td data-bbox="336 1751 659 1832">Curb(Press)</td> <td data-bbox="659 1751 1129 1832">Prevention temperature of overtemperature rise</td> <td data-bbox="1129 1751 1289 1832">170 to 250</td> <td data-bbox="1289 1751 1401 1832">200</td> </tr> <tr> <td data-bbox="336 1832 659 1886">Wait Offset(Press)</td> <td data-bbox="659 1832 1129 1886">Correction temperature when being standing by</td> <td data-bbox="1129 1832 1289 1886">0 to 200</td> <td data-bbox="1289 1832 1401 1886">95</td> </tr> </tbody> </table> <ol data-bbox="304 1899 767 1933" style="list-style-type: none"> 4. Press the start key. The value is set. <p data-bbox="288 1968 440 1998">Completion</p> <p data-bbox="288 2002 1254 2036">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Copy Curb(Edge)	Prevention temperature of overtemperature rise under copy	100 to 250	210	Curb(Edge)	Prevention temperature of overtemperature rise	100 to 250	240	Return(Edge)	Return temperature of overtemperature rise	100 to 250	190	Ready(Edge)	Ready display temperature	0 to 200	110	Pressure(Press)	Pressurizing beginning temperature	0 to 200	100	High speed(Center)	Full speed shift temperature	0 to 200	125	Ready(Center)	Ready display temperature	100 to 200	150	Drive(Center)	The second stability temperature	100 to 200	155	Full speed(Center)	Print control temperature	100 to 200	155	Wait(Center)	Control temperature when being standing by	100 to 200	130	WarmUp Curb(Center)	Electric power control temperature at start-up	0 to 200	150	Curb(Center)	Prevention temperature of overtemperature rise	170 to 250	240	Low power(Center)	Low electric power control temperature	0 to 200	90	Ready(Press)	Ready display temperature	0 to 200	50	Curb(Press)	Prevention temperature of overtemperature rise	170 to 250	200	Wait Offset(Press)	Correction temperature when being standing by	0 to 200	95
Display	Description	Setting range	Initial setting																																																																		
Copy Curb(Edge)	Prevention temperature of overtemperature rise under copy	100 to 250	210																																																																		
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Return(Edge)	Return temperature of overtemperature rise	100 to 250	190																																																																		
Ready(Edge)	Ready display temperature	0 to 200	110																																																																		
Pressure(Press)	Pressurizing beginning temperature	0 to 200	100																																																																		
High speed(Center)	Full speed shift temperature	0 to 200	125																																																																		
Ready(Center)	Ready display temperature	100 to 200	150																																																																		
Drive(Center)	The second stability temperature	100 to 200	155																																																																		
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Wait(Center)	Control temperature when being standing by	100 to 200	130																																																																		
WarmUp Curb(Center)	Electric power control temperature at start-up	0 to 200	150																																																																		
Curb(Center)	Prevention temperature of overtemperature rise	170 to 250	240																																																																		
Low power(Center)	Low electric power control temperature	0 to 200	90																																																																		
Ready(Press)	Ready display temperature	0 to 200	50																																																																		
Curb(Press)	Prevention temperature of overtemperature rise	170 to 250	200																																																																		
Wait Offset(Press)	Correction temperature when being standing by	0 to 200	95																																																																		

Item No.	Description								
U167	<p>Checking the fuser count</p> <p>Description Displays the fuser count for checking.</p> <p>Purpose To check the fuser count after replacement of the fuser unit.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The fuser count is displayed. <table border="1" data-bbox="347 539 1406 730"> <thead> <tr> <th data-bbox="347 539 639 584">Display</th> <th data-bbox="639 539 1406 584">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 584 639 629">Cnt</td> <td data-bbox="639 584 1406 629">Fuser count value</td> </tr> <tr> <td data-bbox="347 629 639 674">Release(Time)</td> <td data-bbox="639 629 1406 674">Fuser drive time (Pressing force)</td> </tr> <tr> <td data-bbox="347 674 639 730">Press(Time)</td> <td data-bbox="639 674 1406 730">Fuser drive time (Decompression)</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Fuser count value	Release(Time)	Fuser drive time (Pressing force)	Press(Time)	Fuser drive time (Decompression)
Display	Description								
Cnt	Fuser count value								
Release(Time)	Fuser drive time (Pressing force)								
Press(Time)	Fuser drive time (Decompression)								
U169	<p>Checking/setting the fuser power source</p> <p>Description Displays and settings the reference voltage of the fuser IH PWB.</p> <p>Purpose To check the reference voltage.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1" data-bbox="336 1272 1401 1368"> <thead> <tr> <th data-bbox="336 1272 564 1317">Display</th> <th data-bbox="564 1272 1171 1317">Description</th> <th data-bbox="1171 1272 1401 1317">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1317 564 1368">Mode</td> <td data-bbox="564 1317 1171 1368">Reference voltage</td> <td data-bbox="1171 1317 1401 1368">1 to 4</td> </tr> </tbody> </table> <p>1: 100 V specifications 2: 200 V specifications 3: 120 V specifications 4: 110 V specifications</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Mode	Reference voltage	1 to 4		
Display	Description	Setting range							
Mode	Reference voltage	1 to 4							

Item No.	Description								
U199	<p data-bbox="288 239 746 271">Displaying fuser heater temperature</p> <p data-bbox="288 304 437 331">Description</p> <p data-bbox="288 333 770 360">Displays the detected fuser temperature.</p> <p data-bbox="288 367 395 394">Purpose</p> <p data-bbox="288 396 667 423">To check the fuser temperature.</p> <p data-bbox="288 461 384 488">Method</p> <p data-bbox="312 495 962 521">1. Press the start key. The current setting is displayed.</p> <table border="1" data-bbox="347 533 1410 698"> <thead> <tr> <th data-bbox="352 539 651 573">Display</th> <th data-bbox="651 539 1406 573">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="352 577 651 611">Fix Press</td> <td data-bbox="651 577 1406 611">Press roller center temperature (°C)</td> </tr> <tr> <td data-bbox="352 616 651 649">Fix Edge</td> <td data-bbox="651 616 1406 649">Heat roller edge temperature (°C)</td> </tr> <tr> <td data-bbox="352 654 651 687">Fix Center</td> <td data-bbox="651 654 1406 687">Heat roller center temperature (°C)</td> </tr> </tbody> </table> <p data-bbox="288 741 437 768">Completion</p> <p data-bbox="288 770 1270 797">Press the stop key. The screen for selecting a maintenance mode No. is displayed.</p>	Display	Description	Fix Press	Press roller center temperature (°C)	Fix Edge	Heat roller edge temperature (°C)	Fix Center	Heat roller center temperature (°C)
Display	Description								
Fix Press	Press roller center temperature (°C)								
Fix Edge	Heat roller edge temperature (°C)								
Fix Center	Heat roller center temperature (°C)								
U200	<p data-bbox="288 853 544 880">Turning all LEDs on</p> <p data-bbox="288 920 437 947">Description</p> <p data-bbox="288 949 831 976">Turns all the LEDs on the operation panel on.</p> <p data-bbox="288 987 395 1014">Purpose</p> <p data-bbox="288 1016 906 1043">To check if all the LEDs on the operation panel light.</p> <p data-bbox="288 1095 384 1122">Method</p> <p data-bbox="312 1128 1050 1261">1. Press the start key. 2. Select [Execute]. 3. Press the start key. All the LEDs on the operation panel light. 4. Press the stop key. The LEDs turns off.</p> <p data-bbox="288 1301 437 1328">Completion</p> <p data-bbox="288 1330 1254 1357">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>								

Item No.	Description						
<p>U201</p>	<p>Initializing the touch panel</p> <p>Description Adjust touch panel detecting positions.</p> <p>Purpose When the panel PWB or the operation panel is replaced or if the detecting positions are not aligned, perform this simulation to correct and confirm.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the [Initialize] or [Check]. <table border="1" data-bbox="336 631 1401 777"> <thead> <tr> <th data-bbox="336 631 641 683">Display</th> <th data-bbox="641 631 1401 683">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 683 641 734">Initialize</td> <td data-bbox="641 683 1401 734">Execute the correction of the touch panel display position.</td> </tr> <tr> <td data-bbox="336 734 641 777">Check</td> <td data-bbox="641 734 1401 777">Confirm the display position of touch panel.</td> </tr> </tbody> </table> <div data-bbox="839 842 1415 1236" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p>Maintenance Mode Maintenance Mode Active U201 Initialize Touch Panel</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px 0;">Initialize</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 5px 0;">Check</div> </div> <p style="text-align: center;">Figure 1-3-17</p> <p>Method: [Initialize]</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Tap the center of the + sign. 3. Press the center of the [+] key displayed next. <p>* : Press it using a tool with a fine tip.</p> <div data-bbox="839 1444 1415 1818" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">+</p> <p style="text-align: center; font-size: small;">Press the center of the "+" sign. * Press it using a tool with a fine tip.</p> </div> <p style="text-align: center;">Figure 1-3-18</p>	Display	Description	Initialize	Execute the correction of the touch panel display position.	Check	Confirm the display position of touch panel.
Display	Description						
Initialize	Execute the correction of the touch panel display position.						
Check	Confirm the display position of touch panel.						

Item No.	Description
<p>U201]</p>	<div data-bbox="839 264 1417 640" style="border: 1px solid black; padding: 10px; margin-bottom: 20px;"> <p style="text-align: center;">Press the center of the "+" sign. * Press it using a tool with a fine tip.</p> <div style="text-align: right; margin-right: 20px;">+</div> </div> <p style="text-align: center;">Figure 1-3-19</p> <div data-bbox="304 831 810 1144" style="margin-bottom: 20px;"> <p>4. If two "⊙" signs appear, press the both points at the same time. * : While pressing down one of "⊙" sign, press the other "⊙" sign. Setting values are obtained at the time when two "⊙" signs are pressed at the same time. * : Press with the tip of your fingers (Not your fingernails).</p> </div> <div data-bbox="839 819 1417 1196" style="border: 1px solid black; padding: 10px; margin-bottom: 20px;"> <p style="text-align: center;">Press both circles. Finalize with both pressed at the same time. * Press with the tips of your fingers. (NOT your fingernails)</p> <div style="text-align: right; margin-right: 20px;">⊙</div> </div> <p style="text-align: center;">Figure 1-3-20</p> <div data-bbox="304 1391 810 1458" style="margin-bottom: 20px;"> <p>5. Press the center of two "⊙" signs displayed next at the same time.</p> </div> <div data-bbox="839 1373 1417 1749" style="border: 1px solid black; padding: 10px;"> <p style="text-align: center;">Press both circles. Finalize with both pressed at the same time. Press with the tips of your fingers. (NOT your fingernails)</p> <div style="text-align: right; margin-right: 20px;">⊙</div> <div style="text-align: left; margin-left: 20px;">⊙</div> </div> <p style="text-align: center;">Figure 1-3-21</p>

Item No.	Description
U201	<p data-bbox="304 277 788 376">6. Press the center of "+" sign displayed, as step 2 7. Repeat three times.</p> <div data-bbox="839 273 1415 647" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p data-bbox="860 450 1374 510" style="text-align: center;">Press the center of the "+" sign. * Press it using a tool with a fine tip. If you cannot proceed to the next step, press the Stop key and try again.</p> <p data-bbox="879 607 898 629" style="text-align: center;">+</p> </div> <p data-bbox="1082 692 1246 723" style="text-align: center;">Figure 1-3-22</p> <div data-bbox="839 792 1415 1167" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p data-bbox="860 969 1374 1030" style="text-align: center;">Press the center of the "+" sign. * Press it using a tool with a fine tip. If you cannot proceed to the next step,press the Stop key and try again.</p> <p data-bbox="1337 949 1356 972" style="text-align: right;">+</p> </div> <p data-bbox="1082 1211 1246 1243" style="text-align: center;">Figure 1-3-23</p> <div data-bbox="839 1344 1415 1718" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p data-bbox="1106 1364 1125 1386" style="text-align: center;">+</p> <p data-bbox="860 1518 1374 1579" style="text-align: center;">Press the center of the "+" sign. * Press it using a tool with a fine tip. If you cannot proceed to the next step, press the Stop key and try again.</p> </div> <p data-bbox="1082 1762 1246 1794" style="text-align: center;">Figure 1-3-24</p>

Item No.	Description
<p>U201</p>	<p>8. After completing the setting, "Initialize Completed." is displayed and entering Check mode.</p> <div data-bbox="839 271 1415 651" style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Initialize completed.</p> </div> <p style="text-align: center;">Figure 1-3-25</p> <p>Method: [Check Single Tap Check</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press the center of three "+" signs and confirm the display positions. <ul style="list-style-type: none"> * : Press it using a tool with a fine tip (touch panel pen etc). <div data-bbox="839 822 1415 1205" style="border: 1px solid black; padding: 10px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Initialize</div> <div style="text-align: center;">+</div> </div> <p style="font-size: small;">Single Tap Check. Press the center of the "+" sign. * Press it using a tool with a fine tip. If you need to perform initialization again, select "Initialize" and press the Start key.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">+</div> <div style="text-align: center;">+</div> </div> </div> <p style="text-align: center;">Figure 1-3-26</p> <ol style="list-style-type: none"> 3. Make sure that the gap from coordinates X and Y is 6 or less, respectively. <ul style="list-style-type: none"> * : If the setting values are not aligned, select "Initialize" and press the Start key to revert to step 1. <div data-bbox="839 1361 1415 1747" style="border: 1px solid black; padding: 10px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Initialize</div> <div style="text-align: center;">+ (-1,2)</div> </div> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 2px;">Multi Tap Check</div> <div style="text-align: center;">+ (1,0)</div> </div> <p style="font-size: small;">Single Tap Check. Select "Multi Tap Check" and press the Start key to go to the next step. If you need to perform initialization again, select "Initialize" and press the Start key.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">+ (-2,0)</div> <div style="text-align: center;">+</div> </div> </div> <p style="text-align: center;">Figure 1-3-27</p>

Item No.	Description
<p>U201</p>	<p>Multi Tap chek</p> <ol style="list-style-type: none"> 1. Select "Multi tap check", and press the start key. 2. Press two “ ● ” signs at the same time. (Step1) * : If the detecting values are not within the setting values, pressed detecting positions are displayed by red points. 3. Press two “ ● ” signs displayed next at the same time. (Step2) 4. If the detecting values are within the setting values, Step1 and Step2 become “Completed”. 5. If “Multi tap check completed.” is displayed, the checking process is completed successfully.

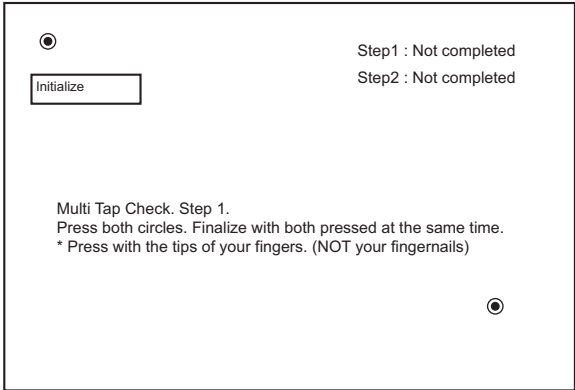


Figure 1-3-28

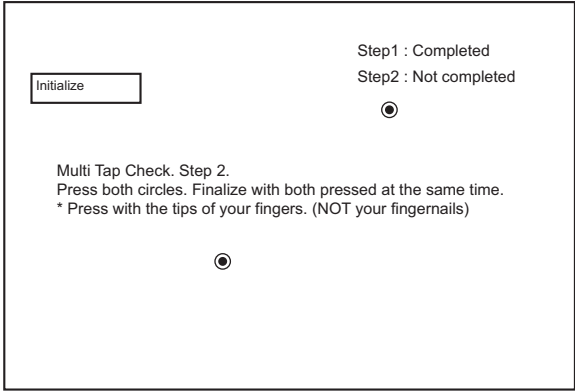


Figure 1-3-29

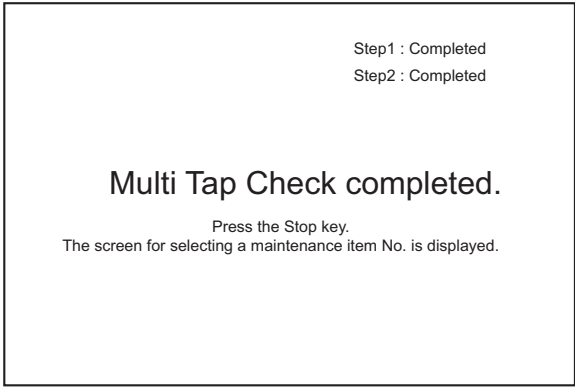


Figure 1-3-30

Item No.	Description
<p>U201</p>	<p>* : If the detecting values are not within the setting values, pressed detecting positions are displayed by red points. And "Multi tap check Step 1" button is displayed.</p> <p>* : Select "Initialize" and press the Start key to revert to "Initialize".</p> <p>* : Select "Multi tap check Step 1" and press the Start key to revert to "Multi tap check".</p> <div data-bbox="842 250 1417 640" style="border: 1px solid black; padding: 10px; margin: 10px 0;"> </div> <p style="text-align: center;">Figure 1-3-31</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																					
U202	<p data-bbox="288 241 826 275">Setting the KMAS host monitoring system</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 962 374">Initializes or operates the KMAS host monitoring system.</p> <p data-bbox="288 378 1425 445">This is an optional device which is currently supported only by Japanese specification machines, so no setting is necessary.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 1021 512">Performed at installation, periodic maintenance, and/or repair.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 564 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 665 1401 808"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1401 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Init/Set TEL No.</td> <td data-bbox="639 710 1401 754">Initialization/Phone Nbr. se</td> </tr> <tr> <td data-bbox="336 754 639 808">Call Service End</td> <td data-bbox="639 754 1401 808">Outgoing at the end of service activities</td> </tr> </tbody> </table> <p data-bbox="288 853 620 882">Method: [Init/Set TEL No.]</p> <ol data-bbox="304 887 654 916" style="list-style-type: none"> 1. Select the item to be input. <table border="1" data-bbox="336 929 1401 1072"> <thead> <tr> <th data-bbox="336 929 639 974">Display</th> <th data-bbox="639 929 1401 974">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 974 639 1019">TEL No. 1</td> <td data-bbox="639 974 1401 1019">Sales companies</td> </tr> <tr> <td data-bbox="336 1019 639 1072">TEL No. 2</td> <td data-bbox="639 1019 1401 1072">Call center</td> </tr> </tbody> </table> <ol data-bbox="304 1086 1129 1290" style="list-style-type: none"> 2. Input the telephone number using the numeric keys. 3. Press the start key. The setting is set. 4. Select [Initialize]. 5. Select [Execute]. 6. Press the start key. Communication with the host initiated. 7. The result of communication will be displayed. (Refer to the result.) <p data-bbox="288 1328 632 1357">Method: [Call Service End]</p> <ol data-bbox="304 1361 1129 1462" style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. Communication with the host initiated. 3. The result of communication will be displayed. (Refer to the result.) <p data-bbox="336 1500 488 1529">Result table</p> <table border="1" data-bbox="336 1543 1401 1879"> <thead> <tr> <th data-bbox="336 1543 639 1588">Display</th> <th data-bbox="639 1543 1401 1588">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1588 639 1641">OK</td> <td data-bbox="639 1588 1401 1641">Communication properly terminated.</td> </tr> <tr> <td data-bbox="336 1641 639 1879" rowspan="4">NG</td> <td data-bbox="639 1641 1401 1686">Communication error (Nbr. of calls exceeded)</td> </tr> <tr> <td data-bbox="639 1686 1401 1731">Communication error (Communication timeout)</td> </tr> <tr> <td data-bbox="639 1731 1401 1776">Communication error (Communication trial timeout)</td> </tr> <tr> <td data-bbox="639 1776 1401 1879">Communication error (Other) KMAS unreachable</td> </tr> </tbody> </table> <p data-bbox="288 1926 440 1955">Completion</p> <p data-bbox="288 1960 1254 1989">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Init/Set TEL No.	Initialization/Phone Nbr. se	Call Service End	Outgoing at the end of service activities	Display	Description	TEL No. 1	Sales companies	TEL No. 2	Call center	Display	Description	OK	Communication properly terminated.	NG	Communication error (Nbr. of calls exceeded)	Communication error (Communication timeout)	Communication error (Communication trial timeout)	Communication error (Other) KMAS unreachable
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Item No.	Description																																
U203	<p data-bbox="288 241 587 275">Checking DP operation</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1046 376">Simulates the original conveying operation separately in the DP.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 612 445">To check the DP operation.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 1083 618" style="list-style-type: none"> 1. Press the start key. 2. Place an original in the DP if running this simulation with paper. 3. Select the speed to be operated. <table border="1" data-bbox="336 631 1401 920"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Normal Speed</td> <td data-bbox="639 676 1401 721">Normal reading (600 dpi)</td> </tr> <tr> <td data-bbox="336 721 639 766">High Speed</td> <td data-bbox="639 721 1401 766">High-speed reading</td> </tr> <tr> <td data-bbox="336 766 639 810">Mode</td> <td data-bbox="639 766 1401 810">Sets the conveying timing verification mode</td> </tr> <tr> <td data-bbox="336 810 639 855">Reset</td> <td data-bbox="639 810 1401 855">Resets the conveying timing verification data</td> </tr> <tr> <td data-bbox="336 855 639 920">Result</td> <td data-bbox="639 855 1401 920">Resets the conveying timing verification data</td> </tr> </tbody> </table> <ol data-bbox="304 947 700 978" style="list-style-type: none"> 4. Select the item to be operated. <table border="1" data-bbox="336 990 1401 1429"> <thead> <tr> <th data-bbox="336 990 639 1034">Display</th> <th data-bbox="639 990 1401 1034">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1034 639 1079">CCD ADP</td> <td data-bbox="639 1034 1401 1079">With paper, single-sided original of CCD</td> </tr> <tr> <td data-bbox="336 1079 639 1124">CCD RADP</td> <td data-bbox="639 1079 1401 1124">With paper, double-sided original of CCD</td> </tr> <tr> <td data-bbox="336 1124 639 1169">CIS</td> <td data-bbox="639 1124 1401 1169">With paper, double-sided original of CIS</td> </tr> <tr> <td data-bbox="336 1169 639 1258">CCD ADP (Non-P)</td> <td data-bbox="639 1169 1401 1258">Without paper, single-sided original of CCD (continuous operation)</td> </tr> <tr> <td data-bbox="336 1258 639 1348">CCD RADP (Non-P)</td> <td data-bbox="639 1258 1401 1348">Without paper, double-sided original of CCD (continuous operation)</td> </tr> <tr> <td data-bbox="336 1348 639 1429">CIS (Non-P)</td> <td data-bbox="639 1348 1401 1429">Without paper, double-sided original of CIS (continuous operation)</td> </tr> </tbody> </table> <ol data-bbox="304 1442 916 1507" style="list-style-type: none"> 5. Press the start key. The operation starts. 6. To stop continuous operation, press the stop key. <p data-bbox="288 1579 488 1610">Setting: [Mode]</p> <ol data-bbox="304 1615 536 1646" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="336 1657 1401 1800"> <thead> <tr> <th data-bbox="336 1657 639 1702">Display</th> <th data-bbox="639 1657 1401 1702">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1702 639 1747">On</td> <td data-bbox="639 1702 1401 1747">Sets the conveying timing verification mode on</td> </tr> <tr> <td data-bbox="336 1747 639 1800">Off</td> <td data-bbox="639 1747 1401 1800">Sets the conveying timing verification mode off</td> </tr> </tbody> </table> <ol data-bbox="304 1814 564 1845" style="list-style-type: none"> 2. Press the start key. <p data-bbox="288 1883 491 1915">Setting: [Reset]</p> <ol data-bbox="304 1919 564 1984" style="list-style-type: none"> 1. Select [Execute]. 2. Press the start key. 	Display	Description	Normal Speed	Normal reading (600 dpi)	High Speed	High-speed reading	Mode	Sets the conveying timing verification mode	Reset	Resets the conveying timing verification data	Result	Resets the conveying timing verification data	Display	Description	CCD ADP	With paper, single-sided original of CCD	CCD RADP	With paper, double-sided original of CCD	CIS	With paper, double-sided original of CIS	CCD ADP (Non-P)	Without paper, single-sided original of CCD (continuous operation)	CCD RADP (Non-P)	Without paper, double-sided original of CCD (continuous operation)	CIS (Non-P)	Without paper, double-sided original of CIS (continuous operation)	Display	Description	On	Sets the conveying timing verification mode on	Off	Sets the conveying timing verification mode off
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Display	Description																																
On	Sets the conveying timing verification mode on																																
Off	Sets the conveying timing verification mode off																																

Item No.	Description														
U203	<p>Setting: [Result] Press the start key. The value is set.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>														
U204	<p>Setting the presence or absence of a key card or key counter</p> <p>Description Sets the presence or absence of the optional key card or key counter.</p> <p>Purpose To run this maintenance item if a key card or key counter is installed.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 817 1401 963"> <thead> <tr> <th data-bbox="336 817 641 862">Display</th> <th data-bbox="641 817 1401 862">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 862 641 907">Device</td> <td data-bbox="641 862 1401 907">Sets the presence or absence of the key card or key counter</td> </tr> <tr> <td data-bbox="336 907 641 963">Message</td> <td data-bbox="641 907 1401 963">Sets the message when optional equipment is not installed</td> </tr> </tbody> </table> <p>Setting: [Device]</p> <ol style="list-style-type: none"> 1. Select the optional counter to be installed. <table border="1" data-bbox="336 1086 1401 1276"> <thead> <tr> <th data-bbox="336 1086 641 1131">Display</th> <th data-bbox="641 1086 1401 1131">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1131 641 1176">Key-Card</td> <td data-bbox="641 1131 1401 1176">The key card is installed</td> </tr> <tr> <td data-bbox="336 1176 641 1220">Key-Counter</td> <td data-bbox="641 1176 1401 1220">The key counter is installed</td> </tr> <tr> <td data-bbox="336 1220 641 1276">Off</td> <td data-bbox="641 1220 1401 1276">Not installed</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p>Setting: [MESSAGE]</p> <ol style="list-style-type: none"> 1. Select the [Key Device] or [Coin Vender]. 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Device	Sets the presence or absence of the key card or key counter	Message	Sets the message when optional equipment is not installed	Display	Description	Key-Card	The key card is installed	Key-Counter	The key counter is installed	Off	Not installed
Display	Description														
Device	Sets the presence or absence of the key card or key counter														
Message	Sets the message when optional equipment is not installed														
Display	Description														
Key-Card	The key card is installed														
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Off	Not installed														

Item No.	Description																										
U206	<p data-bbox="287 241 917 275">Setting the presence or absence of a coin vender</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 973 378">Sets the presence or absence of the optional coin vender.</p> <p data-bbox="287 380 1431 414">This is an optional device which is currently supported only by Japanese specification machines.</p> <p data-bbox="287 416 399 450">Purpose</p> <p data-bbox="287 452 965 486">To run this maintenance item if a coin vender is installed.</p> <p data-bbox="287 519 391 553">Method</p> <ol data-bbox="303 555 630 622" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="335 633 1401 920"> <thead> <tr> <th data-bbox="343 633 641 678">Display</th> <th data-bbox="641 633 1401 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 678 641 723">On/Off Config</td> <td data-bbox="641 678 1401 723">Sets the presence or absence of the coin vender</td> </tr> <tr> <td data-bbox="343 723 641 768">No Coin Action</td> <td data-bbox="641 723 1401 768">Behavior when change runs out during copying</td> </tr> <tr> <td data-bbox="343 768 641 813">Price</td> <td data-bbox="641 768 1401 813">Charge per copy by size and color</td> </tr> <tr> <td data-bbox="343 813 641 857">Boot Mode</td> <td data-bbox="641 813 1401 857">Setting activation mode</td> </tr> <tr> <td data-bbox="343 857 641 920">Apl Charge Mode</td> <td data-bbox="641 857 1401 920">Extended charge unit</td> </tr> </tbody> </table> <p data-bbox="287 969 590 1003">Setting: [On/Off Config]</p> <ol data-bbox="303 1005 534 1039" style="list-style-type: none"> 1. Select On or Off. <table border="1" data-bbox="335 1050 1401 1193"> <thead> <tr> <th data-bbox="343 1050 641 1095">Display</th> <th data-bbox="641 1050 1401 1095">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1095 641 1140">On</td> <td data-bbox="641 1095 1401 1140">The coin vender is installed</td> </tr> <tr> <td data-bbox="343 1140 641 1193">Off</td> <td data-bbox="641 1140 1401 1193">The coin vender is not installed</td> </tr> </tbody> </table> <p data-bbox="335 1205 534 1238">Initial setting: Off</p> <ol data-bbox="303 1240 1380 1308" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="287 1341 614 1375">Setting: [No Coin Action]</p> <ol data-bbox="303 1377 518 1411" style="list-style-type: none"> 1. Select the item. <table border="1" data-bbox="335 1422 1401 1610"> <thead> <tr> <th data-bbox="343 1422 641 1467">Display</th> <th data-bbox="641 1422 1401 1467">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1467 641 1512">All Clear</td> <td data-bbox="641 1467 1401 1512">All clear is performed</td> </tr> <tr> <td data-bbox="343 1512 641 1556">Auto Clear</td> <td data-bbox="641 1512 1401 1556">Auto clear is performed</td> </tr> <tr> <td data-bbox="343 1556 641 1610">Off</td> <td data-bbox="641 1556 1401 1610">Clear is not performed</td> </tr> </tbody> </table> <p data-bbox="335 1621 534 1655">Initial setting: Off</p> <ol data-bbox="303 1657 1380 1724" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	On/Off Config	Sets the presence or absence of the coin vender	No Coin Action	Behavior when change runs out during copying	Price	Charge per copy by size and color	Boot Mode	Setting activation mode	Apl Charge Mode	Extended charge unit	Display	Description	On	The coin vender is installed	Off	The coin vender is not installed	Display	Description	All Clear	All clear is performed	Auto Clear	Auto clear is performed	Off	Clear is not performed
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Auto Clear	Auto clear is performed																										
Off	Clear is not performed																										

Item No.	Description																																																					
U206	<p data-bbox="288 241 483 271">Setting: [Price]</p> <p data-bbox="304 277 632 306">1. Select the item to be set.</p> <table border="1" data-bbox="336 318 1399 560"> <thead> <tr> <th data-bbox="336 318 639 362">Display</th> <th data-bbox="639 318 1399 362">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 362 639 407">Normal</td> <td data-bbox="639 362 1399 407">Charge setting: Normal</td> </tr> <tr> <td data-bbox="336 407 639 452">AD</td> <td data-bbox="639 407 1399 452">Charge setting: Commercial</td> </tr> <tr> <td data-bbox="336 452 639 497">Print</td> <td data-bbox="639 452 1399 497">Charge setting: Print</td> </tr> <tr> <td data-bbox="336 497 639 560">Apl</td> <td data-bbox="639 497 1399 560">Charge setting: Extended</td> </tr> </tbody> </table> <p data-bbox="288 602 571 631">Setting: [Normal / AD]</p> <p data-bbox="304 638 632 667">1. Select the item to be set.</p> <table border="1" data-bbox="336 678 1399 920"> <thead> <tr> <th data-bbox="336 678 639 723">Display</th> <th data-bbox="639 678 1399 723">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 723 639 768">B/W</td> <td data-bbox="639 723 1399 768">Black & White</td> </tr> <tr> <td data-bbox="336 768 639 813">CMY</td> <td data-bbox="639 768 1399 813">Single color C, M, Y</td> </tr> <tr> <td data-bbox="336 813 639 857">RGB</td> <td data-bbox="639 813 1399 857">Single color R, G, B</td> </tr> <tr> <td data-bbox="336 857 639 920">Full Color</td> <td data-bbox="639 857 1399 920">Full color</td> </tr> </tbody> </table> <p data-bbox="304 931 703 960">2. Select the paper size to be set.</p> <p data-bbox="304 967 858 996">3. Change the setting value using the +/- keys.</p> <table border="1" data-bbox="336 1008 1399 1361"> <thead> <tr> <th data-bbox="336 1008 563 1171" rowspan="2">Display</th> <th data-bbox="563 1008 943 1171" rowspan="2">Description</th> <th data-bbox="943 1008 1096 1171" rowspan="2">Setting range</th> <th colspan="2" data-bbox="1096 1008 1399 1093">Initial setting</th> </tr> <tr> <th data-bbox="1096 1093 1233 1171">B/W</th> <th data-bbox="1233 1093 1399 1171">CMY/RGB Full Color</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1171 563 1216">A3-Ledger</td> <td data-bbox="563 1171 943 1216">A3/Ledger size</td> <td data-bbox="943 1171 1096 1216">0 to 300</td> <td data-bbox="1096 1171 1233 1216">10</td> <td data-bbox="1233 1171 1399 1216">100</td> </tr> <tr> <td data-bbox="336 1216 563 1261">B4</td> <td data-bbox="563 1216 943 1261">B4 size</td> <td data-bbox="943 1216 1096 1261">0 to 300</td> <td data-bbox="1096 1216 1233 1261">10</td> <td data-bbox="1233 1216 1399 1261">50</td> </tr> <tr> <td data-bbox="336 1261 563 1305">Card</td> <td data-bbox="563 1261 943 1305">Post card</td> <td data-bbox="943 1261 1096 1305">0 to 300</td> <td data-bbox="1096 1261 1233 1305">10</td> <td data-bbox="1233 1261 1399 1305">30</td> </tr> <tr> <td data-bbox="336 1305 563 1361">Other</td> <td data-bbox="563 1305 943 1361">Other</td> <td data-bbox="943 1305 1096 1361">0 to 300</td> <td data-bbox="1096 1305 1233 1361">10</td> <td data-bbox="1233 1305 1399 1361">50</td> </tr> </tbody> </table> <p data-bbox="336 1373 587 1402">In 10-yen increments</p> <p data-bbox="336 1408 1209 1438">Value of 0 allows non-restricted copying. (At a periodic maintenance, etc.)</p> <p data-bbox="304 1444 767 1473">4. Press the start key. The value is set.</p> <p data-bbox="304 1480 1378 1509">5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.</p> <p data-bbox="288 1581 478 1610">Setting: [Print]</p> <p data-bbox="304 1617 520 1646">1. Select the item.</p> <table border="1" data-bbox="336 1657 1399 1803"> <thead> <tr> <th data-bbox="336 1657 639 1702">Display</th> <th data-bbox="639 1657 1399 1702">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1702 639 1747">B/W</td> <td data-bbox="639 1702 1399 1747">Black & White</td> </tr> <tr> <td data-bbox="336 1747 639 1803">Full Color</td> <td data-bbox="639 1747 1399 1803">Full color</td> </tr> </tbody> </table> <p data-bbox="304 1814 703 1843">2. Select the paper size to be set.</p>	Display	Description	Normal	Charge setting: Normal	AD	Charge setting: Commercial	Print	Charge setting: Print	Apl	Charge setting: Extended	Display	Description	B/W	Black & White	CMY	Single color C, M, Y	RGB	Single color R, G, B	Full Color	Full color	Display	Description	Setting range	Initial setting		B/W	CMY/RGB Full Color	A3-Ledger	A3/Ledger size	0 to 300	10	100	B4	B4 size	0 to 300	10	50	Card	Post card	0 to 300	10	30	Other	Other	0 to 300	10	50	Display	Description	B/W	Black & White	Full Color	Full color
Display	Description																																																					
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B4	B4 size	0 to 300	10	50																																																		
Card	Post card	0 to 300	10	30																																																		
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Display	Description																																																					
B/W	Black & White																																																					
Full Color	Full color																																																					

Item No.	Description						
U206	3. Change the setting value using the +/- keys.						
	Display		Description		Setting range	Initial setting	
					B/W	CMY/RGB Full Color	
	A3-Ledger		A3/Ledger size		0 to 300	10	
	B4		B4 size		0 to 300	10	
	Card		Post card		0 to 300	10	
	Other		Other		0 to 300	10	
	In 10-yen increments					Value of 0 allows non-restricted copying. (At a periodic maintenance, etc.)	
	Setting: [Apl]						
	1. Select the item to be set. 2. Change the setting value using the +/- keys.						
Display		Description		Setting range	Initial setting		
Apl1		Expanded charging unit 1		0 to 300	10		
Apl2		Expanded charging unit 2		0 to 300	10		
Apl3		Expanded charging unit 3		0 to 300	10		
Apl4		Expanded charging unit 4		0 to 300	10		
Apl5		Expanded charging unit 5		0 to 300	10		
3. Press the start key. The value is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On.							
Setting: [Boot Mode]							
1. Select the item.							
Display		Description					
Normal		Assign activation to normal mode.					
Copy Service		Assign activation to copy service display.					
Initial setting: Copy Service							
2. Press the start key. The setting is set.							
Setting: [Apl Charge Mode]							
1. Select the item.							
Display		Description					
On		The extended charge unit is used.					
Off		The extended charge unit is not used.					
Initial setting: Off							
2. Press the start key. The setting is set.							
Completion							
Press the stop key. The screen for selecting a maintenance item No. is displayed.							

Item No.	Description														
U207	<p>Checking the operation panel keys</p> <p>Description Checks operation of the operation panel keys.</p> <p>Purpose To check operation of all the keys and LEDs on the operation panel.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The screen for executing is displayed. 2. [Count0] is displayed and the leftmost LED on the operation panel lights. 3. As the keys lined up in the same line as the lit indicator are pressed in the order from the top to the bottom, the figure shown on the touch panel increases in increments of 1. When all the keys in that line are pressed and if there are any LEDs corresponding to the keys in the line on the immediate right, the top LED in that line will light. 4. When all the keys on the operation panel have been pressed, all the LEDs light for up to 10 seconds. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>														
U209	<p>Set RTC (Real Time Clock) Date</p> <p>Description Assign a date and time to RTC.</p> <p>Purpose Used to assign a date and time to RTC when Maintenance T is displayed after C0840 is detected.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting value using the +/- keys. <table border="1" data-bbox="336 1406 1401 1742"> <thead> <tr> <th data-bbox="336 1406 641 1451">Display</th> <th data-bbox="641 1406 1401 1451">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1451 641 1496">Year</td> <td data-bbox="641 1451 1401 1496">Setting the year</td> </tr> <tr> <td data-bbox="336 1496 641 1541">Month</td> <td data-bbox="641 1496 1401 1541">Setting the month</td> </tr> <tr> <td data-bbox="336 1541 641 1585">Day</td> <td data-bbox="641 1541 1401 1585">Setting the day</td> </tr> <tr> <td data-bbox="336 1585 641 1630">Hour</td> <td data-bbox="641 1585 1401 1630">Setting the hour</td> </tr> <tr> <td data-bbox="336 1630 641 1675">Minute</td> <td data-bbox="641 1630 1401 1675">Setting the minute</td> </tr> <tr> <td data-bbox="336 1675 641 1742">Second</td> <td data-bbox="641 1675 1401 1742">Setting the second</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the start key. The value is set. * : Perform U906 to clear "Time for Maintenance T" after making setting. 	Display	Description	Year	Setting the year	Month	Setting the month	Day	Setting the day	Hour	Setting the hour	Minute	Setting the minute	Second	Setting the second
Display	Description														
Year	Setting the year														
Month	Setting the month														
Day	Setting the day														
Hour	Setting the hour														
Minute	Setting the minute														
Second	Setting the second														

Item No.	Description						
U221	<p>Setting the USB host lock function</p> <p>Description Specifies ON/OFF the USB host lock function. Setting this to ON causes the machine to be unable to recognize the device connected to the USB host.</p> <p>Purpose Set according to the preference of the user.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Host Lock]. 3. Select On or Off. <table border="1" data-bbox="336 667 1401 808"> <thead> <tr> <th data-bbox="336 667 639 712">Display</th> <th data-bbox="639 667 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 757">On</td> <td data-bbox="639 712 1401 757">USB host lock function ON</td> </tr> <tr> <td data-bbox="336 757 639 808">Off</td> <td data-bbox="639 757 1401 808">USB host lock function OFF</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	On	USB host lock function ON	Off	USB host lock function OFF
Display	Description						
On	USB host lock function ON						
Off	USB host lock function OFF						
U222	<p>Setting the IC card type</p> <p>Description Sets the type of IC card.</p> <p>Purpose To change the type of IC card.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 1323 1401 1464"> <thead> <tr> <th data-bbox="336 1323 639 1368">Display</th> <th data-bbox="639 1323 1401 1368">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1368 639 1413">Other</td> <td data-bbox="639 1368 1401 1413">The type of IC card is SSFC.</td> </tr> <tr> <td data-bbox="336 1413 639 1464">SSFC</td> <td data-bbox="639 1413 1401 1464">The type of IC card is not SSFC.</td> </tr> </tbody> </table> <p>* : Initial setting: Other</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Other	The type of IC card is SSFC.	SSFC	The type of IC card is not SSFC.
Display	Description						
Other	The type of IC card is SSFC.						
SSFC	The type of IC card is not SSFC.						

Item No.	Description																																																									
U223	<p data-bbox="290 241 560 275">Operation panel lock</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 745 374">Sets the operation panel lock function.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1382 479">This is performed to inhibit operating and canceling the system menu on the operation panel which may be done by others then an administrator.</p> <p data-bbox="290 517 384 546">Setting</p> <ol data-bbox="304 553 564 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1399 920"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Unlock</td> <td data-bbox="639 676 1399 721">Release the lock of the operation from the system menu</td> </tr> <tr> <td data-bbox="336 721 639 766">Partial Lock 1</td> <td data-bbox="639 721 1399 766">Lock the operation 1 from the system menu</td> </tr> <tr> <td data-bbox="336 766 639 810">Partial Lock 2</td> <td data-bbox="639 766 1399 810">Lock the operation 2 from the system menu</td> </tr> <tr> <td data-bbox="336 810 639 855">Partial Lock 3</td> <td data-bbox="639 810 1399 855">Lock the operation 3 from the system menu</td> </tr> <tr> <td data-bbox="336 855 639 920">Lock</td> <td data-bbox="639 855 1399 920">Lock the operation from the system menu and job cancel</td> </tr> </tbody> </table> <p data-bbox="336 936 585 965">Initial setting: Unlock</p> <ol data-bbox="304 969 782 999" style="list-style-type: none"> 3. Press the start key. The setting is set. <table border="1" data-bbox="336 1048 1399 1547"> <thead> <tr> <th data-bbox="336 1048 791 1131">Item</th> <th data-bbox="791 1048 943 1131">Partial Lock 1</th> <th data-bbox="943 1048 1094 1131">Partial Lock 2</th> <th data-bbox="1094 1048 1246 1131">Partial Lock 3</th> <th data-bbox="1246 1048 1399 1131">Lock</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1131 791 1176">Entering maintenance mode</td> <td data-bbox="791 1131 943 1176">Prohibited</td> <td data-bbox="943 1131 1094 1176"></td> <td data-bbox="1094 1131 1246 1176"></td> <td data-bbox="1246 1131 1399 1176">Prohibited</td> </tr> <tr> <td data-bbox="336 1176 791 1220">Entering system menu</td> <td data-bbox="791 1176 943 1220">Prohibited</td> <td data-bbox="943 1176 1094 1220"></td> <td data-bbox="1094 1176 1246 1220"></td> <td data-bbox="1246 1176 1399 1220">Prohibited</td> </tr> <tr> <td data-bbox="336 1220 791 1303">Transmission/transmission from document boxes</td> <td data-bbox="791 1220 943 1303">Prohibited</td> <td data-bbox="943 1220 1094 1303"></td> <td data-bbox="1094 1220 1246 1303"></td> <td data-bbox="1246 1220 1399 1303">Prohibited</td> </tr> <tr> <td data-bbox="336 1303 791 1348">Entering addressbook add/edit</td> <td data-bbox="791 1303 943 1348">Prohibited</td> <td data-bbox="943 1303 1094 1348"></td> <td data-bbox="1094 1303 1246 1348"></td> <td data-bbox="1246 1303 1399 1348">Prohibited</td> </tr> <tr> <td data-bbox="336 1348 791 1393">Entering document box add/edit</td> <td data-bbox="791 1348 943 1393">Prohibited</td> <td data-bbox="943 1348 1094 1393"></td> <td data-bbox="1094 1348 1246 1393"></td> <td data-bbox="1246 1348 1399 1393">Prohibited</td> </tr> <tr> <td data-bbox="336 1393 791 1438">Pressing stop key</td> <td data-bbox="791 1393 943 1438">Permitted</td> <td data-bbox="943 1393 1094 1438"></td> <td data-bbox="1094 1393 1246 1438"></td> <td data-bbox="1246 1393 1399 1438">Prohibited</td> </tr> <tr> <td data-bbox="336 1438 791 1482">Pressing status/job cancel</td> <td data-bbox="791 1438 943 1482">Permitted</td> <td data-bbox="943 1438 1094 1482"></td> <td data-bbox="1094 1438 1246 1482"></td> <td data-bbox="1246 1438 1399 1482">Prohibited</td> </tr> <tr> <td data-bbox="336 1482 791 1547">Disconnecting FAX lines</td> <td data-bbox="791 1482 943 1547">Permitted</td> <td data-bbox="943 1482 1094 1547"></td> <td data-bbox="1094 1482 1246 1547"></td> <td data-bbox="1246 1482 1399 1547">Prohibited</td> </tr> </tbody> </table> <p data-bbox="290 1608 440 1637">Completion</p> <p data-bbox="290 1641 1254 1671">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Unlock	Release the lock of the operation from the system menu	Partial Lock 1	Lock the operation 1 from the system menu	Partial Lock 2	Lock the operation 2 from the system menu	Partial Lock 3	Lock the operation 3 from the system menu	Lock	Lock the operation from the system menu and job cancel	Item	Partial Lock 1	Partial Lock 2	Partial Lock 3	Lock	Entering maintenance mode	Prohibited			Prohibited	Entering system menu	Prohibited			Prohibited	Transmission/transmission from document boxes	Prohibited			Prohibited	Entering addressbook add/edit	Prohibited			Prohibited	Entering document box add/edit	Prohibited			Prohibited	Pressing stop key	Permitted			Prohibited	Pressing status/job cancel	Permitted			Prohibited	Disconnecting FAX lines	Permitted			Prohibited
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Entering system menu	Prohibited			Prohibited																																																						
Transmission/transmission from document boxes	Prohibited			Prohibited																																																						
Entering addressbook add/edit	Prohibited			Prohibited																																																						
Entering document box add/edit	Prohibited			Prohibited																																																						
Pressing stop key	Permitted			Prohibited																																																						
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Disconnecting FAX lines	Permitted			Prohibited																																																						

Item No.	Description																																																
U224	<p data-bbox="290 241 574 273">Panel sheet extension</p> <p data-bbox="290 309 440 340">Description</p> <p data-bbox="290 344 1425 412">Changes the image data and the message of the opening screen at the machine startup and the image data and the message of the service call screen to user specified data.</p> <p data-bbox="290 416 400 448">Purpose</p> <p data-bbox="290 452 807 483">Set according to the preference of the user.</p> <p data-bbox="290 519 384 551">Setting</p> <ol data-bbox="306 555 1082 757" style="list-style-type: none"> 1. Write the image data or the message data to the USB memory. 2. Insert USB memory in USB memory slot of the machine. 3. Turn the main power switch on. 4. Enter the maintenance item. 5. Press the start key. 6. Select the [Install] or [UnInstall]. <table border="1" data-bbox="338 770 1401 913"> <thead> <tr> <th data-bbox="338 770 641 815">Display</th> <th data-bbox="641 770 1401 815">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 815 641 860">Install</td> <td data-bbox="641 815 1401 860">Installs the image data or the message data</td> </tr> <tr> <td data-bbox="338 860 641 913">UnInstall</td> <td data-bbox="641 860 1401 913">Restores the original image data or message data</td> </tr> </tbody> </table> <ol data-bbox="306 927 523 958" style="list-style-type: none"> 7. Select the item. <table border="1" data-bbox="338 972 1401 1258"> <thead> <tr> <th data-bbox="338 972 564 1016">Display</th> <th data-bbox="564 972 906 1016">Description</th> <th data-bbox="906 972 1401 1016">Display area</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1016 564 1061">Opening Img</td> <td data-bbox="564 1016 906 1061">Startup screen</td> <td data-bbox="906 1016 1401 1061">Entire start display</td> </tr> <tr> <td data-bbox="338 1061 564 1106">Call Img</td> <td data-bbox="564 1061 906 1106">Service call screen</td> <td data-bbox="906 1061 1401 1106">Graphic display area</td> </tr> <tr> <td data-bbox="338 1106 564 1151">Home Menu Img</td> <td data-bbox="564 1106 906 1151">Home Menu screen</td> <td data-bbox="906 1106 1401 1151">Home Menu display area</td> </tr> <tr> <td data-bbox="338 1151 564 1196">Call Msg Top</td> <td data-bbox="564 1151 906 1196">Service call message 1</td> <td data-bbox="906 1151 1401 1196">Message display area (top)</td> </tr> <tr> <td data-bbox="338 1196 564 1258">Call Msg Detail</td> <td data-bbox="564 1196 906 1258">Service call message 2</td> <td data-bbox="906 1196 1401 1258">Message display area (descriptive area)</td> </tr> </tbody> </table> <ol data-bbox="306 1272 1018 1344" style="list-style-type: none"> 8. Press the start key. Installation or uninstallation is started. 9. When normally completed, [OK] is displayed. <p data-bbox="290 1379 466 1411">Supplement 1</p> <p data-bbox="338 1415 539 1447">File information</p> <table border="1" data-bbox="338 1460 1401 1921"> <thead> <tr> <th data-bbox="338 1460 564 1505">Description</th> <th data-bbox="564 1460 928 1505">File name</th> <th data-bbox="928 1460 1235 1505">Image size (in pixels)</th> <th data-bbox="1235 1460 1401 1505">File format</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1505 564 1590">Startup screen</td> <td data-bbox="564 1505 928 1590">opening_ext_image.png</td> <td data-bbox="928 1505 1235 1590">Length: 480 Width : 800</td> <td data-bbox="1235 1505 1401 1590">PNG</td> </tr> <tr> <td data-bbox="338 1590 564 1675">Service call screen</td> <td data-bbox="564 1590 928 1675">callwin_ext_image.png</td> <td data-bbox="928 1590 1235 1675">Length: 200 Width : 180</td> <td data-bbox="1235 1590 1401 1675">PNG</td> </tr> <tr> <td data-bbox="338 1675 564 1760">Home Menu screen</td> <td data-bbox="564 1675 928 1760">menu_background.png</td> <td data-bbox="928 1675 1235 1760">Length: 480 Width : 800</td> <td data-bbox="1235 1675 1401 1760">PNG</td> </tr> <tr> <td data-bbox="338 1760 564 1845">Service call message 1</td> <td data-bbox="564 1760 928 1845">callwin_ext_mes_top.txt</td> <td data-bbox="928 1760 1235 1845">-</td> <td data-bbox="1235 1760 1401 1845">TEXT (Unicode)</td> </tr> <tr> <td data-bbox="338 1845 564 1921">Service call message 2</td> <td data-bbox="564 1845 928 1921">callwin_ext_mes_detail.txt</td> <td data-bbox="928 1845 1235 1921">-</td> <td data-bbox="1235 1845 1401 1921">TEXT (Unicode)</td> </tr> </tbody> </table>	Display	Description	Install	Installs the image data or the message data	UnInstall	Restores the original image data or message data	Display	Description	Display area	Opening Img	Startup screen	Entire start display	Call Img	Service call screen	Graphic display area	Home Menu Img	Home Menu screen	Home Menu display area	Call Msg Top	Service call message 1	Message display area (top)	Call Msg Detail	Service call message 2	Message display area (descriptive area)	Description	File name	Image size (in pixels)	File format	Startup screen	opening_ext_image.png	Length: 480 Width : 800	PNG	Service call screen	callwin_ext_image.png	Length: 200 Width : 180	PNG	Home Menu screen	menu_background.png	Length: 480 Width : 800	PNG	Service call message 1	callwin_ext_mes_top.txt	-	TEXT (Unicode)	Service call message 2	callwin_ext_mes_detail.txt	-	TEXT (Unicode)
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Item No.	Description										
U224	<p>Supplement 2</p> <p>Displaying start display The pre-installed graphics file is displayed at power on or recovering from sleeping.</p> <p>Graphics display on service call display The pre-installed graphics file is displayed at a service call.</p> <p>How to change the message Entering #562 (4 letters) using the numeric keypad during a service call display will let service call messages 1 and 2.</p> <p>How to reset the message display Reverting the maintenance mode will automatically reset the message to the previous.</p> <p>Caution The graphics file for start display must be opaque. (To avoid the background from overlapping at recovering from sleeping.) The total size of the files installable is approximately 4 MB.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>										
U234	<p>Setting punch destination</p> <p>Description Sets the destination of punch unit of 1000-sheet finisher.</p> <p>Purpose To be set when installing a different punch unit from the destination of the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1" data-bbox="336 1234 1401 1473"> <thead> <tr> <th data-bbox="336 1234 639 1279">Display</th> <th data-bbox="639 1234 1401 1279">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1279 639 1323">Auto</td> <td data-bbox="639 1279 1401 1323">Conforms to destination settings.</td> </tr> <tr> <td data-bbox="336 1323 639 1368">Japan Metric</td> <td data-bbox="639 1323 1401 1368">Metric (Japan) specifications</td> </tr> <tr> <td data-bbox="336 1368 639 1413">Inch</td> <td data-bbox="639 1368 1401 1413">Inch (North America) specifications</td> </tr> <tr> <td data-bbox="336 1413 639 1458">Europe Metric</td> <td data-bbox="639 1413 1401 1458">Metric (Europe) specifications</td> </tr> </tbody> </table> <p>Initial setting: Inch (Inch specifications)/Europe Metric (Metric specifications)</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Auto	Conforms to destination settings.	Japan Metric	Metric (Japan) specifications	Inch	Inch (North America) specifications	Europe Metric	Metric (Europe) specifications
Display	Description										
Auto	Conforms to destination settings.										
Japan Metric	Metric (Japan) specifications										
Inch	Inch (North America) specifications										
Europe Metric	Metric (Europe) specifications										

Item No.	Description												
U237	<p data-bbox="287 241 678 275">Setting finisher stack quantity</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1412 409">Sets the number of sheets of each stack on the main tray and on the middle tray in 1000-sheet finisher.</p> <p data-bbox="287 412 399 445">Purpose</p> <p data-bbox="287 448 1021 481">To change the setting when a stack malfunction has occurred.</p> <p data-bbox="287 515 391 548">Method</p> <ol data-bbox="303 551 630 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="335 627 1396 728"> <thead> <tr> <th data-bbox="343 638 638 683">Display</th> <th data-bbox="638 638 1388 683">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 683 638 716">Middle Tray</td> <td data-bbox="638 683 1388 716">Number of sheets of stack on the middle tray for staple mode</td> </tr> </tbody> </table> <p data-bbox="287 784 566 817">Setting: [Middle Tray]</p> <ol data-bbox="303 819 981 853" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="335 862 1396 1052"> <thead> <tr> <th data-bbox="343 873 638 963" rowspan="2">Display</th> <th data-bbox="638 873 1388 907">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="638 907 1388 952"></td> <td data-bbox="638 907 1388 952">Number of sheets of stack on the middle tray for staple mode</td> </tr> <tr> <td data-bbox="343 952 638 996">0</td> <td data-bbox="638 952 1388 996">50 sheets</td> </tr> <tr> <td data-bbox="343 996 638 1041">1</td> <td data-bbox="638 996 1388 1041">30 sheets</td> </tr> </tbody> </table> <p data-bbox="335 1064 518 1097">Initial setting: 0</p> <p data-bbox="335 1099 1276 1133">Number of sheets of stack on the internal tray for non-staple copying: 10 sheets</p> <ol data-bbox="303 1135 1380 1200" style="list-style-type: none"> 2. Press the start key. The setting is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 	Display	Description	Middle Tray	Number of sheets of stack on the middle tray for staple mode	Display	Description		Number of sheets of stack on the middle tray for staple mode	0	50 sheets	1	30 sheets
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U240	<p data-bbox="288 241 775 275">Checking the operation of the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 979 374">Turns each motor and solenoid of 1000-sheet finisher ON.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1206 443">To check the operation of each motor and solenoid of the 1000-sheet finisher.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 695 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1" data-bbox="336 595 1401 837"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Motor</td> <td data-bbox="639 640 1401 685">Checking the motor of the document finisher</td> </tr> <tr> <td data-bbox="336 685 639 730">Solenoid</td> <td data-bbox="639 685 1401 730">Checking the solenoid of the document finisher</td> </tr> <tr> <td data-bbox="336 730 639 775">Mail Box</td> <td data-bbox="639 730 1401 775">Checking the motor of the mailbox</td> </tr> <tr> <td data-bbox="336 775 639 837">Booklet</td> <td data-bbox="639 775 1401 837">Checking the motor of the center-folding unit</td> </tr> </tbody> </table> <p data-bbox="288 882 496 911">Method: [Motor]</p> <ol data-bbox="304 916 815 978" style="list-style-type: none"> 1. Select the item to be operated. 2. Press the start key. The operation starts. <table border="1" data-bbox="336 992 1401 1955"> <thead> <tr> <th data-bbox="336 992 639 1037">Display</th> <th data-bbox="639 992 1401 1037">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1037 639 1081">Feed In(H)</td> <td data-bbox="639 1037 1401 1081">DF paper entry motor (DFPEM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1081 639 1126">Feed In(L)</td> <td data-bbox="639 1081 1401 1126">DF paper entry motor (DFPEM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1126 639 1171">Middle(H)</td> <td data-bbox="639 1126 1401 1171">DF middle motor (DFMM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1171 639 1216">Middle(L)</td> <td data-bbox="639 1171 1401 1216">DF middle motor (DFMM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1216 639 1261">Eject(H)</td> <td data-bbox="639 1216 1401 1261">DF eject motor (DFEM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1261 639 1305">Eject(L)</td> <td data-bbox="639 1261 1401 1305">DF eject motor (DFEM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1305 639 1350">Save(H)</td> <td data-bbox="639 1305 1401 1350">DF drum motor (DFDRM) is turned on at high speed</td> </tr> <tr> <td data-bbox="336 1350 639 1395">Save(L)</td> <td data-bbox="639 1350 1401 1395">DF drum motor (DFDRM) is turned on at low speed</td> </tr> <tr> <td data-bbox="336 1395 639 1440">Tray</td> <td data-bbox="639 1395 1401 1440">DF tray motor (DFTM) is turned on</td> </tr> <tr> <td data-bbox="336 1440 639 1485">Staple Move</td> <td data-bbox="639 1440 1401 1485">DF slide motor (DFSLM) is turned on</td> </tr> <tr> <td data-bbox="336 1485 639 1529">Staple</td> <td data-bbox="639 1485 1401 1529">DF staple motor (DFSTM) is turned on</td> </tr> <tr> <td data-bbox="336 1529 639 1574">Width Test(A3)</td> <td data-bbox="639 1529 1401 1574">DF side registration motor 1, 2 (DFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1574 639 1619">Width Test(LD)</td> <td data-bbox="639 1574 1401 1619">DF side registration motor 1, 2 (DFSRM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1619 639 1664">Beat</td> <td data-bbox="639 1619 1401 1664">DF paddle motor (DFPDM) is turned on</td> </tr> <tr> <td data-bbox="336 1664 639 1709">Eject Unlock(HP)</td> <td data-bbox="639 1664 1401 1709">DF eject release motor (DFERM) is turned on to home position</td> </tr> <tr> <td data-bbox="336 1709 639 1753">Sort Test</td> <td data-bbox="639 1709 1401 1753">DF shift motor 1, 2 (DFSFM1, 2) is turned on</td> </tr> <tr> <td data-bbox="336 1753 639 1798">Eject Unlock(30)</td> <td data-bbox="639 1753 1401 1798">DF eject release motor (DFERM) drive position 30-sheet stack</td> </tr> <tr> <td data-bbox="336 1798 639 1843">Eject Unlock(50)</td> <td data-bbox="639 1798 1401 1843">DF eject release motor (DFERM) drive position 50-sheet stack</td> </tr> <tr> <td data-bbox="336 1843 639 1888">Eject Unlock(Fix)</td> <td data-bbox="639 1843 1401 1888">DF eject release motor (DFERM) fixed drive position</td> </tr> </tbody> </table>	Display	Description	Motor	Checking the motor of the document finisher	Solenoid	Checking the solenoid of the document finisher	Mail Box	Checking the motor of the mailbox	Booklet	Checking the motor of the center-folding unit	Display	Description	Feed In(H)	DF paper entry motor (DFPEM) is turned on at high speed	Feed In(L)	DF paper entry motor (DFPEM) is turned on at low speed	Middle(H)	DF middle motor (DFMM) is turned on at high speed	Middle(L)	DF middle motor (DFMM) is turned on at low speed	Eject(H)	DF eject motor (DFEM) is turned on at high speed	Eject(L)	DF eject motor (DFEM) is turned on at low speed	Save(H)	DF drum motor (DFDRM) is turned on at high speed	Save(L)	DF drum motor (DFDRM) is turned on at low speed	Tray	DF tray motor (DFTM) is turned on	Staple Move	DF slide motor (DFSLM) is turned on	Staple	DF staple motor (DFSTM) is turned on	Width Test(A3)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on	Width Test(LD)	DF side registration motor 1, 2 (DFSRM1, 2) is turned on	Beat	DF paddle motor (DFPDM) is turned on	Eject Unlock(HP)	DF eject release motor (DFERM) is turned on to home position	Sort Test	DF shift motor 1, 2 (DFSFM1, 2) is turned on	Eject Unlock(30)	DF eject release motor (DFERM) drive position 30-sheet stack	Eject Unlock(50)	DF eject release motor (DFERM) drive position 50-sheet stack	Eject Unlock(Fix)	DF eject release motor (DFERM) fixed drive position
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U240	<table border="1" data-bbox="336 286 1401 430"> <thead> <tr> <th data-bbox="336 286 641 331">Display</th> <th data-bbox="641 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 641 376">Punch</td> <td data-bbox="641 331 1401 376">Punch motor (PUM) is turned on</td> </tr> <tr> <td data-bbox="336 376 641 430">Punch Move</td> <td data-bbox="641 376 1401 430">Punch slide motor (PUSLM) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 488 534 519">Method: [Solenoid]</p> <ol data-bbox="304 524 815 589" style="list-style-type: none"> <li data-bbox="304 524 699 555">1. Select the item to be operated. <li data-bbox="304 557 815 589">2. Press the start key. The operation starts. <table border="1" data-bbox="336 600 1401 792"> <thead> <tr> <th data-bbox="336 600 641 645">Display</th> <th data-bbox="641 600 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 641 689">Sub Tray</td> <td data-bbox="641 645 1401 689">DF feedshift solenoid (DFSSOL) is turned on</td> </tr> <tr> <td data-bbox="336 689 641 734">Save Drum</td> <td data-bbox="641 689 1401 734">DF drum solenoid (DFDRSOL) is turned on</td> </tr> <tr> <td data-bbox="336 734 641 792">Punch</td> <td data-bbox="641 734 1401 792">Punch solenoid (PUSOL) is turned on</td> </tr> </tbody> </table> <p data-bbox="288 835 531 866">Method: [Mail Box]</p> <ol data-bbox="304 871 815 936" style="list-style-type: none"> <li data-bbox="304 871 699 902">1. Select the item to be operated. <li data-bbox="304 904 815 936">2. Press the start key. The operation starts. <table border="1" data-bbox="336 947 1401 1090"> <thead> <tr> <th data-bbox="336 947 564 992">Display</th> <th data-bbox="564 947 1401 992">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 992 564 1037">Conv</td> <td data-bbox="564 992 1401 1037">MB drive motor (MBDM) is turned on at paper conveying</td> </tr> <tr> <td data-bbox="336 1037 564 1090">Branch</td> <td data-bbox="564 1037 1401 1090">MB drive motor (MBDM) is turned on at feedshift operation</td> </tr> </tbody> </table> <p data-bbox="288 1135 440 1167">Completion</p> <p data-bbox="288 1171 1254 1202">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Punch	Punch motor (PUM) is turned on	Punch Move	Punch slide motor (PUSLM) is turned on	Display	Description	Sub Tray	DF feedshift solenoid (DFSSOL) is turned on	Save Drum	DF drum solenoid (DFDRSOL) is turned on	Punch	Punch solenoid (PUSOL) is turned on	Display	Description	Conv	MB drive motor (MBDM) is turned on at paper conveying	Branch	MB drive motor (MBDM) is turned on at feedshift operation
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Item No.	Description																																														
U241	<p data-bbox="288 241 975 275">Checking the operation of the switches of the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1145 374">Displays the status of each switches and sensors of 1000-sheet finisher.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1235 443">To check the operation of each switches and sensors of the 1000-sheet finisher.</p> <p data-bbox="288 486 387 515">Method</p> <ol data-bbox="304 519 695 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be checked. <table border="1" data-bbox="336 595 1399 788"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Finisher</td> <td data-bbox="639 640 1399 685">Checking the switch and sensor of the document finisher</td> </tr> <tr> <td data-bbox="336 685 639 730">Mail Box</td> <td data-bbox="639 685 1399 730">Checking the switch and sensor of the mailbox</td> </tr> <tr> <td data-bbox="336 730 639 788">Punch</td> <td data-bbox="639 730 1399 788">Checking the switch and sensor of the punch unit</td> </tr> </tbody> </table> <p data-bbox="288 882 526 911">Method: [Finisher]</p> <ol data-bbox="304 916 1394 1014" style="list-style-type: none"> 1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1" data-bbox="336 1028 1399 1937"> <thead> <tr> <th data-bbox="336 1028 639 1072">Display</th> <th data-bbox="639 1028 1399 1072">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1072 639 1117">Front Cover</td> <td data-bbox="639 1072 1399 1117">DF front cover switch (DFFCSW)</td> </tr> <tr> <td data-bbox="336 1117 639 1162">Top Cover</td> <td data-bbox="639 1117 1399 1162">DF top cover switch (DFTCSW)</td> </tr> <tr> <td data-bbox="336 1162 639 1207">Tray U-Limit</td> <td data-bbox="639 1162 1399 1207">DF tray sensor 1 (DFTS1)</td> </tr> <tr> <td data-bbox="336 1207 639 1252">Tray Middle</td> <td data-bbox="639 1207 1399 1252">DF tray sensor 3 (DFTS3)</td> </tr> <tr> <td data-bbox="336 1252 639 1296">Tray L-Limit</td> <td data-bbox="639 1252 1399 1296">DF tray sensor 4 (DFTS4)</td> </tr> <tr> <td data-bbox="336 1296 639 1341">Tray Top</td> <td data-bbox="639 1296 1399 1341">DF tray upper surface sensor (DFTUSS)</td> </tr> <tr> <td data-bbox="336 1341 639 1386">HP</td> <td data-bbox="639 1341 1399 1386">DF paper entry sensor (DFPES)</td> </tr> <tr> <td data-bbox="336 1386 639 1431">Middle Tray Eject</td> <td data-bbox="639 1386 1399 1431">DF middle eject sensor (DFMES)</td> </tr> <tr> <td data-bbox="336 1431 639 1476">Staple HP</td> <td data-bbox="639 1431 1399 1476">DF slide sensor (DFSLS)</td> </tr> <tr> <td data-bbox="336 1476 639 1520">Middle Tray</td> <td data-bbox="639 1476 1399 1520">DF middle tray sensor (DFMTS)</td> </tr> <tr> <td data-bbox="336 1520 639 1565">Width Front HP</td> <td data-bbox="639 1520 1399 1565">DF side registration sensor 1 (DFSRS1)</td> </tr> <tr> <td data-bbox="336 1565 639 1610">Width Tail HP</td> <td data-bbox="639 1565 1399 1610">DF side registration sensor 2 (DFSRS2)</td> </tr> <tr> <td data-bbox="336 1610 639 1655">Bundle Eject HP</td> <td data-bbox="639 1610 1399 1655">DF bundle discharge sensor (DFBDS)</td> </tr> <tr> <td data-bbox="336 1655 639 1700">Lead Paddle</td> <td data-bbox="639 1655 1399 1700">DF paddle sensor (DFPDS)</td> </tr> <tr> <td data-bbox="336 1700 639 1744">Shift Tail HP</td> <td data-bbox="639 1700 1399 1744">DF shift sensor 2 (DFSFS2)</td> </tr> <tr> <td data-bbox="336 1744 639 1789">Shift Unlock HP</td> <td data-bbox="639 1744 1399 1789">DF shift release sensor (DFSFRS)</td> </tr> <tr> <td data-bbox="336 1789 639 1834">Sub Tray Full</td> <td data-bbox="639 1789 1399 1834">DF sub tray full sensor (DFSTFS)</td> </tr> <tr> <td data-bbox="336 1834 639 1879">Shift Set</td> <td data-bbox="639 1834 1399 1879">DF shift set sensor (DFSFS)</td> </tr> </tbody> </table>	Display	Description	Finisher	Checking the switch and sensor of the document finisher	Mail Box	Checking the switch and sensor of the mailbox	Punch	Checking the switch and sensor of the punch unit	Display	Description	Front Cover	DF front cover switch (DFFCSW)	Top Cover	DF top cover switch (DFTCSW)	Tray U-Limit	DF tray sensor 1 (DFTS1)	Tray Middle	DF tray sensor 3 (DFTS3)	Tray L-Limit	DF tray sensor 4 (DFTS4)	Tray Top	DF tray upper surface sensor (DFTUSS)	HP	DF paper entry sensor (DFPES)	Middle Tray Eject	DF middle eject sensor (DFMES)	Staple HP	DF slide sensor (DFSLS)	Middle Tray	DF middle tray sensor (DFMTS)	Width Front HP	DF side registration sensor 1 (DFSRS1)	Width Tail HP	DF side registration sensor 2 (DFSRS2)	Bundle Eject HP	DF bundle discharge sensor (DFBDS)	Lead Paddle	DF paddle sensor (DFPDS)	Shift Tail HP	DF shift sensor 2 (DFSFS2)	Shift Unlock HP	DF shift release sensor (DFSFRS)	Sub Tray Full	DF sub tray full sensor (DFSTFS)	Shift Set	DF shift set sensor (DFSFS)
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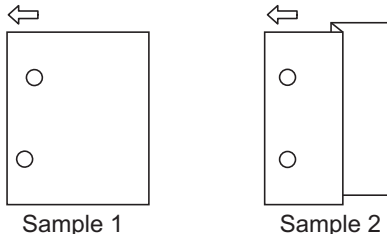
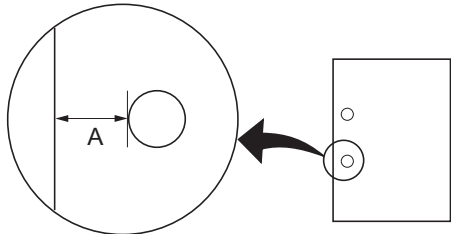
Item No.	Description																																						
U241	<p>Method: [Mail Box]</p> <p>1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1" data-bbox="336 387 1401 916"> <thead> <tr> <th data-bbox="336 387 639 432">Display</th> <th data-bbox="639 387 1401 432">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 432 639 477">Eject</td> <td data-bbox="639 432 1401 477">MB eject sensor (MBES)</td> </tr> <tr> <td data-bbox="336 477 639 521">Cover</td> <td data-bbox="639 477 1401 521">MB cover open/close switch (MBCOCSW)</td> </tr> <tr> <td data-bbox="336 521 639 566">Over Flow1</td> <td data-bbox="639 521 1401 566">MB overflow sensor 1 (MBOFS1)</td> </tr> <tr> <td data-bbox="336 566 639 611">Over Flow2</td> <td data-bbox="639 566 1401 611">MB overflow sensor 2 (MBOFS2)</td> </tr> <tr> <td data-bbox="336 611 639 656">Over Flow3</td> <td data-bbox="639 611 1401 656">MB overflow sensor 3 (MBOFS3)</td> </tr> <tr> <td data-bbox="336 656 639 701">Over Flow4</td> <td data-bbox="639 656 1401 701">MB overflow sensor 4 (MBOFS4)</td> </tr> <tr> <td data-bbox="336 701 639 745">Over Flow5</td> <td data-bbox="639 701 1401 745">MB overflow sensor 5 (MBOFS5)</td> </tr> <tr> <td data-bbox="336 745 639 790">Over Flow6</td> <td data-bbox="639 745 1401 790">MB overflow sensor 6 (MBOFS6)</td> </tr> <tr> <td data-bbox="336 790 639 835">Over Flow7</td> <td data-bbox="639 790 1401 835">MB overflow sensor 7 (MBOFS7)</td> </tr> <tr> <td data-bbox="336 835 639 880">Motor HP</td> <td data-bbox="639 835 1401 880">MB paper entry sensor (MBPES)</td> </tr> </tbody> </table> <p>Method: [Punch]</p> <p>1. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse.</p> <table border="1" data-bbox="336 1108 1401 1494"> <thead> <tr> <th data-bbox="336 1108 639 1153">Display</th> <th data-bbox="639 1108 1401 1153">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1153 639 1198">Punch HP</td> <td data-bbox="639 1153 1401 1198">Punch home position sensor (PUHPS)</td> </tr> <tr> <td data-bbox="336 1198 639 1243">Edge Face1</td> <td data-bbox="639 1198 1401 1243">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="336 1243 639 1288">Edge Face2</td> <td data-bbox="639 1243 1401 1288">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="336 1288 639 1332">Edge Face3</td> <td data-bbox="639 1288 1401 1332">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="336 1332 639 1377">Edge Face4</td> <td data-bbox="639 1332 1401 1377">Punch paper edge sensor (PUPES)</td> </tr> <tr> <td data-bbox="336 1377 639 1422">Tank</td> <td data-bbox="639 1377 1401 1422">Punch tank set switch (PUTSSW)</td> </tr> <tr> <td data-bbox="336 1422 639 1494">Tank Full</td> <td data-bbox="639 1422 1401 1494">Punch tank full sensor (PUTFS)</td> </tr> </tbody> </table> <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Eject	MB eject sensor (MBES)	Cover	MB cover open/close switch (MBCOCSW)	Over Flow1	MB overflow sensor 1 (MBOFS1)	Over Flow2	MB overflow sensor 2 (MBOFS2)	Over Flow3	MB overflow sensor 3 (MBOFS3)	Over Flow4	MB overflow sensor 4 (MBOFS4)	Over Flow5	MB overflow sensor 5 (MBOFS5)	Over Flow6	MB overflow sensor 6 (MBOFS6)	Over Flow7	MB overflow sensor 7 (MBOFS7)	Motor HP	MB paper entry sensor (MBPES)	Display	Description	Punch HP	Punch home position sensor (PUHPS)	Edge Face1	Punch paper edge sensor (PUPES)	Edge Face2	Punch paper edge sensor (PUPES)	Edge Face3	Punch paper edge sensor (PUPES)	Edge Face4	Punch paper edge sensor (PUPES)	Tank	Punch tank set switch (PUTSSW)	Tank Full	Punch tank full sensor (PUTFS)
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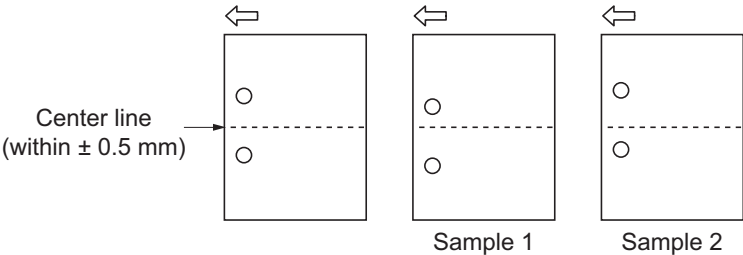
Item No.	Description																						
U243	<p data-bbox="287 241 813 275">Checking the operation of the DP motors</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 805 378">Turns the motors or solenoids in the DP on.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 949 450">To check the operation of the DP motors and solenoids.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 813 620" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be operated. 3. Press the start key. The operation starts. <table border="1" data-bbox="335 631 1399 1158"> <thead> <tr> <th data-bbox="343 642 641 676">Display</th> <th data-bbox="641 642 1391 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 687 641 721">Feed Motor *1,*2,*3</td> <td data-bbox="641 687 1391 721">DP original feed motor (DPOFM) is turned on</td> </tr> <tr> <td data-bbox="343 732 641 766">Conv Motor *1,*2</td> <td data-bbox="641 732 1391 766">DP original conveying motor (DPOCM) is turned on</td> </tr> <tr> <td data-bbox="343 777 641 810">Rev Motor *1,*3</td> <td data-bbox="641 777 1391 810">DP switchback motor (DPSBM) is turned on</td> </tr> <tr> <td data-bbox="343 822 641 855">Lift Motor *1,*2</td> <td data-bbox="641 822 1391 855">DP lift motor (DPLM) is turned on</td> </tr> <tr> <td data-bbox="343 866 641 900">Rev Press Sol *1</td> <td data-bbox="641 866 1391 900">DP pressure solenoid (DPPSOL) is turned on</td> </tr> <tr> <td data-bbox="343 911 641 945">Rev Branch Sol *1</td> <td data-bbox="641 911 1391 945">DP feedshift solenoid (DPFSSOL) is turned on</td> </tr> <tr> <td data-bbox="343 956 641 990">Eject Motor *2</td> <td data-bbox="641 956 1391 990">DP eject motor (DPEM) is turned on</td> </tr> <tr> <td data-bbox="343 1001 641 1034">Regist Motor *2</td> <td data-bbox="641 1001 1391 1034">DP registration motor (DPRM) is turned on</td> </tr> <tr> <td data-bbox="343 1046 641 1079">DP Fan*2</td> <td data-bbox="641 1046 1391 1079">DP fan motor 1 (DPFM1) is turned on</td> </tr> <tr> <td data-bbox="343 1090 641 1124">CIS Fan*2</td> <td data-bbox="641 1090 1391 1124">DP fan motor 2 (DPFM2) is turned on</td> </tr> </tbody> </table> <p data-bbox="335 1169 774 1202">*1: DP-770(B) *2: DP-772 *3: DP-773</p> <ol data-bbox="303 1236 837 1270" style="list-style-type: none"> 4. To turn each motor off, press the stop key. <p data-bbox="287 1303 438 1337">Completion</p> <p data-bbox="287 1339 1431 1406">Press the stop key when operation stops. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed Motor *1,*2,*3	DP original feed motor (DPOFM) is turned on	Conv Motor *1,*2	DP original conveying motor (DPOCM) is turned on	Rev Motor *1,*3	DP switchback motor (DPSBM) is turned on	Lift Motor *1,*2	DP lift motor (DPLM) is turned on	Rev Press Sol *1	DP pressure solenoid (DPPSOL) is turned on	Rev Branch Sol *1	DP feedshift solenoid (DPFSSOL) is turned on	Eject Motor *2	DP eject motor (DPEM) is turned on	Regist Motor *2	DP registration motor (DPRM) is turned on	DP Fan*2	DP fan motor 1 (DPFM1) is turned on	CIS Fan*2	DP fan motor 2 (DPFM2) is turned on
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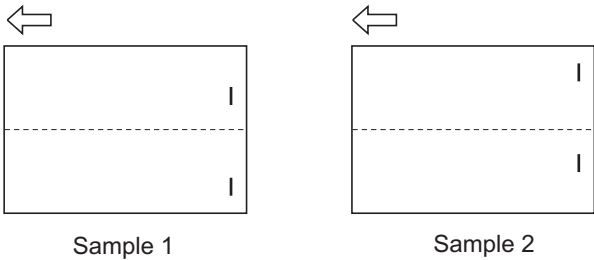
Item No.	Description																												
U244	<p data-bbox="287 241 630 275">Checking the DP switches</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1109 378">Displays the status of the respective switches and sensors in the DP.</p> <p data-bbox="287 380 406 414">Purpose</p> <p data-bbox="287 416 1141 450">To check if respective switches and sensors in the DP operate correctly.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 1396 651" style="list-style-type: none"> 1. Press the start key. 2. Turn each switch or sensor on and off manually to check the status. When the on-status of a switch or sensor is detected, that switch or sensor is displayed in reverse. <table border="1" data-bbox="335 663 1396 1335"> <thead> <tr> <th data-bbox="343 667 638 712">Display</th> <th data-bbox="638 667 1388 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 714 638 748">Feed *1,*2,*3</td> <td data-bbox="638 714 1388 748">DP feed sensor (DPFS)</td> </tr> <tr> <td data-bbox="343 750 638 784">Regist *1,*3</td> <td data-bbox="638 750 1388 784">DP registration sensor (DPRS)</td> </tr> <tr> <td data-bbox="343 786 638 819">Timing *1,*2,*3</td> <td data-bbox="638 786 1388 819">DP timing sensor (DPTS)</td> </tr> <tr> <td data-bbox="343 822 638 855">CIS Head *2</td> <td data-bbox="638 822 1388 855">DP CIS sensor (DPCS)</td> </tr> <tr> <td data-bbox="343 857 638 891">Tray *1,*3</td> <td data-bbox="638 857 1388 891">DP switchback sensor (DPSBS)</td> </tr> <tr> <td data-bbox="343 893 638 927">Set *1,*2,*3</td> <td data-bbox="638 893 1388 927">DP original sensor (DPOS)</td> </tr> <tr> <td data-bbox="343 929 638 963">Longitudinal *1,*2</td> <td data-bbox="638 929 1388 963">DP original length switch (DPOLSW)</td> </tr> <tr> <td data-bbox="343 965 638 999">Lift U-Limit *1,*2</td> <td data-bbox="638 965 1388 999">DP lift sensor 1 (DPLS1)</td> </tr> <tr> <td data-bbox="343 1001 638 1034">Lift L-Limit *1,*2</td> <td data-bbox="638 1001 1388 1034">DP lift sensor 2 (DPLS2)</td> </tr> <tr> <td data-bbox="343 1037 638 1070">Cover Open *1,*2,*3</td> <td data-bbox="638 1037 1388 1070">DP interlock switch (DPILSW)</td> </tr> <tr> <td data-bbox="343 1072 638 1106">Open *1,*2,*3</td> <td data-bbox="638 1072 1388 1106">DP open/close switch (DPOCSW)</td> </tr> <tr> <td data-bbox="343 1108 638 1142">Eject *1,*2</td> <td data-bbox="638 1108 1388 1142">DP eject sensor (DPES)</td> </tr> <tr> <td data-bbox="343 1144 638 1178">Slant *2</td> <td data-bbox="638 1144 1388 1178">DP slant sensor (DPSS)</td> </tr> </tbody> </table> <p data-bbox="335 1346 774 1379">*1: DP-770(B) *2: DP-772 *3: DP-773</p> <p data-bbox="287 1413 438 1447">Completion</p> <p data-bbox="287 1449 1252 1482">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed *1,*2,*3	DP feed sensor (DPFS)	Regist *1,*3	DP registration sensor (DPRS)	Timing *1,*2,*3	DP timing sensor (DPTS)	CIS Head *2	DP CIS sensor (DPCS)	Tray *1,*3	DP switchback sensor (DPSBS)	Set *1,*2,*3	DP original sensor (DPOS)	Longitudinal *1,*2	DP original length switch (DPOLSW)	Lift U-Limit *1,*2	DP lift sensor 1 (DPLS1)	Lift L-Limit *1,*2	DP lift sensor 2 (DPLS2)	Cover Open *1,*2,*3	DP interlock switch (DPILSW)	Open *1,*2,*3	DP open/close switch (DPOCSW)	Eject *1,*2	DP eject sensor (DPES)	Slant *2	DP slant sensor (DPSS)
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Item No.	Description
U245	<p data-bbox="287 241 550 275">Checking messages</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1114 378">Displays a list of messages on the touch panel of the operation panel.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 766 450">To check the messages to be displayed.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 1428 689" style="list-style-type: none"><li data-bbox="303 519 566 553">1. Press the start key.<li data-bbox="303 555 1428 656">2. Change the message using the cursor up/down keys. When a message number is entered with the numeric keys and then the start key is pressed, the message corresponding the specified number is displayed.<li data-bbox="303 658 821 689">3. Change the language using the +/- keys. <p data-bbox="287 723 438 757">Completion</p> <p data-bbox="287 759 1252 792">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																						
U246	<p data-bbox="288 241 536 275">Setting the finisher</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1059 374">Provides various settings for the 1000-sheet finisher, if furnished.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 976 443">Adjustment of registration stop timing in punch mode</p> <p data-bbox="288 448 1334 477">Adjust if skewed paper conveying occurs or if the copy paper is Z-folded in punch mode.</p> <p data-bbox="288 483 951 512">Adjustment of paper stop timing in the punch mode</p> <p data-bbox="288 517 1321 546">To adjust this item when the position of a punch hole is different from the specified one.</p> <p data-bbox="288 553 1007 582">Adjustment of center position timing in the punch mode</p> <p data-bbox="288 586 1307 616">Adjusts the center position of a punch hole in punch mode if the position is not proper.</p> <p data-bbox="288 622 1005 651">Adjustment of front/rear side registration home position</p> <p data-bbox="288 656 1382 721">Provides optimization when paper jam occurs due to an inferior fitting of the side registration guides to paper.</p> <p data-bbox="288 728 852 757">Adjustment of front/rear shift home position</p> <p data-bbox="288 761 971 790">Performed when adjustment is lost with the ejected paper</p> <p data-bbox="288 797 887 826">Adjusting of front/back stapling home position</p> <p data-bbox="288 831 1177 860">Adjusts the stapling position in the staple mode if the position is not proper.</p> <p data-bbox="288 898 387 927">Method</p> <ol data-bbox="304 934 595 996" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 1010 1399 1108"> <thead> <tr> <th data-bbox="336 1010 639 1055">Display</th> <th data-bbox="639 1010 1399 1055">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1055 639 1108">Finisher</td> <td data-bbox="639 1055 1399 1108">Adjustment of 1000-sheet finisher</td> </tr> </tbody> </table> <p data-bbox="288 1200 526 1229">Method: [Finisher]</p> <ol data-bbox="304 1236 595 1265" style="list-style-type: none"> 1. Select the item to set. <table border="1" data-bbox="336 1279 1399 1709"> <thead> <tr> <th data-bbox="336 1279 639 1323">Display</th> <th data-bbox="639 1279 1399 1323">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1323 639 1368">Punch Regist</td> <td data-bbox="639 1323 1399 1368">Adjustment of registration stop timing in punch mode</td> </tr> <tr> <td data-bbox="336 1368 639 1413">Punch Feed</td> <td data-bbox="639 1368 1399 1413">Adjustment of the paper stop timing in punch mode</td> </tr> <tr> <td data-bbox="336 1413 639 1458">Punch Width</td> <td data-bbox="639 1413 1399 1458">Adjustment of the center position timing in punch mode</td> </tr> <tr> <td data-bbox="336 1458 639 1503">Width Front HP</td> <td data-bbox="639 1458 1399 1503">Adjustment of front side registration home position</td> </tr> <tr> <td data-bbox="336 1503 639 1547">Width Tail HP</td> <td data-bbox="639 1503 1399 1547">Adjustment of rear side registration home position</td> </tr> <tr> <td data-bbox="336 1547 639 1592">Shift Front HP</td> <td data-bbox="639 1547 1399 1592">Adjustment of front shift home position</td> </tr> <tr> <td data-bbox="336 1592 639 1637">Shift Tail HP</td> <td data-bbox="639 1592 1399 1637">Adjustment of rear shift home position</td> </tr> <tr> <td data-bbox="336 1637 639 1709">Staple HP</td> <td data-bbox="639 1637 1399 1709">Adjustment of front and back stapling home position</td> </tr> </tbody> </table>	Display	Description	Finisher	Adjustment of 1000-sheet finisher	Display	Description	Punch Regist	Adjustment of registration stop timing in punch mode	Punch Feed	Adjustment of the paper stop timing in punch mode	Punch Width	Adjustment of the center position timing in punch mode	Width Front HP	Adjustment of front side registration home position	Width Tail HP	Adjustment of rear side registration home position	Shift Front HP	Adjustment of front shift home position	Shift Tail HP	Adjustment of rear shift home position	Staple HP	Adjustment of front and back stapling home position
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Shift Tail HP	Adjustment of rear shift home position																						
Staple HP	Adjustment of front and back stapling home position																						

Item No.	Description																
U246	<p data-bbox="288 241 587 271">Setting: [Punch Regist]</p> <ol data-bbox="288 277 1054 342" style="list-style-type: none"> <li data-bbox="288 277 600 306">1. Select [Punch Regist]. <li data-bbox="288 311 1054 342">2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 483"> <thead> <tr> <th data-bbox="336 353 906 439">Description</th> <th data-bbox="906 353 1059 439">Setting range</th> <th data-bbox="1059 353 1197 439">Initial setting</th> <th data-bbox="1197 353 1401 439">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 439 906 483">Adjustment of registration stop timing</td> <td data-bbox="906 439 1059 483">-5 to 5</td> <td data-bbox="1059 439 1197 483">0</td> <td data-bbox="1197 439 1401 483">1 mm</td> </tr> </tbody> </table> <p data-bbox="336 495 1426 555">If skewed paper conveying occurs (sample 1), increase the setting value. If the copy paper is Z-folded (sample 2), decrease the setting value.</p> <div data-bbox="671 591 1059 824" style="text-align: center;">  <p data-bbox="691 801 791 824">Sample 1</p> <p data-bbox="948 801 1048 824">Sample 2</p> </div> <p data-bbox="778 842 943 871" style="text-align: center;">Figure 1-3-32</p> <ol data-bbox="288 913 767 943" style="list-style-type: none"> <li data-bbox="288 913 767 943">3. Press the start key. The value is set. <p data-bbox="288 981 568 1010">Setting: [Punch Feed]</p> <ol data-bbox="288 1016 1054 1081" style="list-style-type: none"> <li data-bbox="288 1016 584 1046">1. Select [Punch Feed]. <li data-bbox="288 1050 1054 1081">2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1093 1401 1223"> <thead> <tr> <th data-bbox="336 1093 906 1178">Description</th> <th data-bbox="906 1093 1059 1178">Setting range</th> <th data-bbox="1059 1093 1197 1178">Initial setting</th> <th data-bbox="1197 1093 1401 1178">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1178 906 1223">Adjustment of the paper stop timing</td> <td data-bbox="906 1178 1059 1223">-5 to 5</td> <td data-bbox="1059 1178 1197 1223">0</td> <td data-bbox="1197 1178 1401 1223">1 mm</td> </tr> </tbody> </table> <p data-bbox="336 1234 1426 1294">If the distance of the position of a punch hole is smaller than the specified value A, increase the setting value. If the distance is larger than the value A, decrease the setting value.</p> <div data-bbox="448 1317 1270 1550" style="text-align: center;">  <p data-bbox="938 1480 1270 1541">Preset value A: 13 mm (metric) 9.5 mm (inch)</p> </div> <p data-bbox="778 1581 943 1610" style="text-align: center;">Figure 1-3-33</p> <ol data-bbox="288 1653 767 1682" style="list-style-type: none"> <li data-bbox="288 1653 767 1682">3. Press the start key. The value is set. 	Description	Setting range	Initial setting	Change in value per step	Adjustment of registration stop timing	-5 to 5	0	1 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of the paper stop timing	-5 to 5	0	1 mm
Description	Setting range	Initial setting	Change in value per step														
Adjustment of registration stop timing	-5 to 5	0	1 mm														
Description	Setting range	Initial setting	Change in value per step														
Adjustment of the paper stop timing	-5 to 5	0	1 mm														

Item No.	Description																																
U246	<p>Setting: [Punch Width]</p> <ol style="list-style-type: none"> 1. Select [Punch Width]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 488"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of the punch center position timing</td> <td>-5 to 5</td> <td>0</td> <td>1 mm</td> </tr> </tbody> </table> <p>If the punch hole is too close to the front of the machine, increase the setting value. If the punch hole is too close to the rear of the machine, decrease the setting value.</p>  <p style="text-align: center;">Figure 1-3-34</p> <ol style="list-style-type: none"> 3. Press the start key. The value is set. <p>Setting: [Width Front HP/Width Tail HP]</p> <ol style="list-style-type: none"> 1. Select [Width Front HP] or [Width Tail HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1108 1401 1285"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front side registration home position</td> <td>-5 to 5</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>Adjustment of rear side registration home position</td> <td>-5 to 5</td> <td>0</td> <td>1 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. 5. Enter maintenance mode U240 and select [Motor], then [Width Test(A3)]. The width guides of the middle tray will move to A3-size position. 6. Pull the middle tray, insert paper between the guides and check that paper is about the guides. 7. Repeat the above adjustment until paper is properly in position. <p>Setting: [Shift Front HP/Shift Tail HP]</p> <ol style="list-style-type: none"> 1. Select [Shift Front HP] or [Shift Tail HP]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1648 1401 1825"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adjustment of front shift home position</td> <td>-5 to 5</td> <td>0</td> <td>1 mm</td> </tr> <tr> <td>Adjustment of rear shift home position</td> <td>-5 to 5</td> <td>0</td> <td>1 mm</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. Press the start key. The value is set. 4. Press the stop key. The screen for selecting a maintenance item No. is displayed. 5. Enter maintenance mode U240 and select [Motor], then [Sort Test]. 6. Repeat the above adjustment until eject paper is properly in position. 	Description	Setting range	Initial setting	Change in value per step	Adjustment of the punch center position timing	-5 to 5	0	1 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front side registration home position	-5 to 5	0	1 mm	Adjustment of rear side registration home position	-5 to 5	0	1 mm	Description	Setting range	Initial setting	Change in value per step	Adjustment of front shift home position	-5 to 5	0	1 mm	Adjustment of rear shift home position	-5 to 5	0	1 mm
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Adjustment of front shift home position	-5 to 5	0	1 mm																														
Adjustment of rear shift home position	-5 to 5	0	1 mm																														

Item No.	Description								
U246	<p data-bbox="288 241 544 275">Setting: [Staple HP]</p> <ol data-bbox="288 277 1054 342" style="list-style-type: none"> <li data-bbox="288 277 544 311">1. Select [Staple HP]. <li data-bbox="288 313 1054 342">2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 483"> <thead> <tr> <th data-bbox="336 353 975 432">Description</th> <th data-bbox="975 353 1110 432">Setting range</th> <th data-bbox="1110 353 1230 432">Initial setting</th> <th data-bbox="1230 353 1401 432">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 432 975 483">Adjustment of front and back stapling home position</td> <td data-bbox="975 432 1110 483">-5 to 5</td> <td data-bbox="1110 432 1230 483">0</td> <td data-bbox="1230 432 1401 483">1 mm</td> </tr> </tbody> </table> <p data-bbox="333 495 1417 595">When staple positions are off toward the front side of the machine (sample 1), increase the setting value. When staple positions are off toward the rear side of the machine (sample 2), decrease the setting value.</p> <div data-bbox="563 616 1158 875" style="text-align: center;">  <p data-bbox="635 846 735 875">Sample 1</p> <p data-bbox="995 846 1096 875">Sample 2</p> </div> <p data-bbox="775 898 946 931">Figure 1-3-35</p> <ol data-bbox="288 969 767 999" style="list-style-type: none"> <li data-bbox="288 969 767 999">3. Press the start key. The value is set. <p data-bbox="288 1070 440 1104">Completion</p> <p data-bbox="288 1106 1254 1140">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Change in value per step	Adjustment of front and back stapling home position	-5 to 5	0	1 mm
Description	Setting range	Initial setting	Change in value per step						
Adjustment of front and back stapling home position	-5 to 5	0	1 mm						

Item No.	Description																											
U247	<p data-bbox="287 241 662 275">Setting the paper feed device</p> <p data-bbox="287 309 438 342">Description Turns on motor and clutches of paper feeder device.</p> <p data-bbox="287 376 399 409">Purpose To check the operation of motor and clutches of paper feed device.</p> <p data-bbox="287 488 391 521">Method</p> <ol data-bbox="303 521 686 589" style="list-style-type: none"> 1. Press the start key. 2. Select the paper feed device. <table border="1" data-bbox="335 600 1396 694"> <thead> <tr> <th data-bbox="343 611 638 645">Display</th> <th data-bbox="638 611 1388 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 656 638 689">2PF</td> <td data-bbox="638 656 1388 689">Paper feeder</td> </tr> </tbody> </table> <p data-bbox="287 757 470 790">Method: [2PF]</p> <ol data-bbox="303 790 869 824" style="list-style-type: none"> 1. Press [Motor] or [Device] and select the item. <table border="1" data-bbox="335 835 1396 1310"> <thead> <tr> <th colspan="2" data-bbox="343 846 710 880">Display</th> <th data-bbox="710 846 1388 880">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 891 446 969" rowspan="2">Motor</td> <td data-bbox="446 891 710 925">Off</td> <td data-bbox="710 891 1388 925">PF paper feed motor (PFPFM) is turned off</td> </tr> <tr> <td data-bbox="446 936 710 969">On</td> <td data-bbox="710 936 1388 969">PF paper feed motor (PFPFM) is turned on</td> </tr> <tr> <td data-bbox="343 981 446 1299" rowspan="6">Device</td> <td data-bbox="446 981 710 1014">C1 Clutch</td> <td data-bbox="710 981 1388 1014">PF paper conveying clutch 1 (PFPCCL1) is turned on</td> </tr> <tr> <td data-bbox="446 1025 710 1059">C2 Clutch</td> <td data-bbox="710 1025 1388 1059">PF paper conveying clutch 2 (PFPCCL2) is turned on</td> </tr> <tr> <td data-bbox="446 1070 710 1104">V Feed Clutch</td> <td data-bbox="710 1070 1388 1104">PF paper feed clutch (PFPFCL) is turned on</td> </tr> <tr> <td data-bbox="446 1115 710 1149">H Feed1 Clutch</td> <td data-bbox="710 1115 1388 1149">PF paper conveying clutch 1 (PFPCCL1) is turned on</td> </tr> <tr> <td data-bbox="446 1160 710 1193">H Feed2 Clutch</td> <td data-bbox="710 1160 1388 1193">PF paper conveying clutch 2 (PFPCCL2) is turned on</td> </tr> <tr> <td data-bbox="446 1205 710 1238">Cassette1 Solenoid</td> <td data-bbox="710 1205 1388 1238">PF pickup solenoid 1 (PFUSOL1) is turned on</td> </tr> <tr> <td data-bbox="446 1249 710 1283">Cassette2 Solenoid</td> <td data-bbox="710 1249 1388 1283">PF pickup solenoid 2 (PFUSOL2) is turned on</td> </tr> </tbody> </table> <ol data-bbox="303 1339 813 1440" style="list-style-type: none"> 2. Select [Execute]. 3. Press the start key. The operation starts. 4. To stop operation, press the stop key. <p data-bbox="287 1473 438 1507">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	2PF	Paper feeder	Display		Description	Motor	Off	PF paper feed motor (PFPFM) is turned off	On	PF paper feed motor (PFPFM) is turned on	Device	C1 Clutch	PF paper conveying clutch 1 (PFPCCL1) is turned on	C2 Clutch	PF paper conveying clutch 2 (PFPCCL2) is turned on	V Feed Clutch	PF paper feed clutch (PFPFCL) is turned on	H Feed1 Clutch	PF paper conveying clutch 1 (PFPCCL1) is turned on	H Feed2 Clutch	PF paper conveying clutch 2 (PFPCCL2) is turned on	Cassette1 Solenoid	PF pickup solenoid 1 (PFUSOL1) is turned on	Cassette2 Solenoid	PF pickup solenoid 2 (PFUSOL2) is turned on
Display	Description																											
2PF	Paper feeder																											
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	V Feed Clutch	PF paper feed clutch (PFPFCL) is turned on																										
	H Feed1 Clutch	PF paper conveying clutch 1 (PFPCCL1) is turned on																										
	H Feed2 Clutch	PF paper conveying clutch 2 (PFPCCL2) is turned on																										
	Cassette1 Solenoid	PF pickup solenoid 1 (PFUSOL1) is turned on																										
Cassette2 Solenoid	PF pickup solenoid 2 (PFUSOL2) is turned on																											

Item No.	Description																																
U250	<p data-bbox="287 241 817 275">Checking/clearing the maintenance cycle</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 1276 378">Changes preset values for maintenance cycle and automatic grayscale adjustment.</p> <p data-bbox="287 380 400 414">Purpose</p> <p data-bbox="287 416 1385 483">Provides changing the time when the message to acknowledge to conduct maintenance and automatic grayscale adjustment is periodically displayed.</p> <p data-bbox="287 517 384 551">Setting</p> <ol data-bbox="303 553 976 654" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting using the +- keys or numeric keys. <table border="1" data-bbox="336 665 1423 1120"> <thead> <tr> <th data-bbox="336 665 504 743">Display</th> <th data-bbox="504 665 1043 743">Description</th> <th data-bbox="1043 665 1233 743">Setting range</th> <th data-bbox="1233 665 1423 743">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 743 504 788">M.Cnt A</td> <td data-bbox="504 743 1043 788">Preset values for maintenance cycle (kit A)</td> <td data-bbox="1043 743 1233 788">0 to 9999999</td> <td data-bbox="1233 743 1423 788">200000</td> </tr> <tr> <td data-bbox="336 788 504 833">M.Cnt B</td> <td data-bbox="504 788 1043 833">Preset values for maintenance cycle (kit B)</td> <td data-bbox="1043 788 1233 833">0 to 9999999</td> <td data-bbox="1233 788 1423 833">200000</td> </tr> <tr> <td data-bbox="336 833 504 922">M.Cnt HT</td> <td data-bbox="504 833 1043 922">Preset values for automatic grayscale adjustment</td> <td data-bbox="1043 833 1233 922">0 to 9999999</td> <td data-bbox="1233 833 1423 922">0</td> </tr> <tr> <td data-bbox="336 922 504 967">Cassette 1</td> <td data-bbox="504 922 1043 967">Maintenance counter cassette1</td> <td data-bbox="1043 922 1233 967">0 to 9999999</td> <td data-bbox="1233 922 1423 967">300000</td> </tr> <tr> <td data-bbox="336 967 504 1012">Cassette 2</td> <td data-bbox="504 967 1043 1012">Maintenance counter cassette1</td> <td data-bbox="1043 967 1233 1012">0 to 9999999</td> <td data-bbox="1233 967 1423 1012">300000</td> </tr> <tr> <td data-bbox="336 1012 504 1057">Cassette 3</td> <td data-bbox="504 1012 1043 1057">Maintenance counter cassette1</td> <td data-bbox="1043 1012 1233 1057">0 to 9999999</td> <td data-bbox="1233 1012 1423 1057">300000</td> </tr> <tr> <td data-bbox="336 1057 504 1113">Cassette 4</td> <td data-bbox="504 1057 1043 1113">Maintenance counter cassette1</td> <td data-bbox="1043 1057 1233 1113">0 to 9999999</td> <td data-bbox="1233 1057 1423 1113">300000</td> </tr> </tbody> </table> <ol data-bbox="303 1140 766 1173" style="list-style-type: none"> 4. Press the start key. The value is set. <p data-bbox="287 1209 440 1243">Completion</p> <p data-bbox="287 1245 1254 1279">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="336 1314 1366 1382">* : When the firmware is upgraded in the field, the standard counter value newly added should be set to 300000.</p>	Display	Description	Setting range	Initial setting	M.Cnt A	Preset values for maintenance cycle (kit A)	0 to 9999999	200000	M.Cnt B	Preset values for maintenance cycle (kit B)	0 to 9999999	200000	M.Cnt HT	Preset values for automatic grayscale adjustment	0 to 9999999	0	Cassette 1	Maintenance counter cassette1	0 to 9999999	300000	Cassette 2	Maintenance counter cassette1	0 to 9999999	300000	Cassette 3	Maintenance counter cassette1	0 to 9999999	300000	Cassette 4	Maintenance counter cassette1	0 to 9999999	300000
Display	Description	Setting range	Initial setting																														
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Cassette 4	Maintenance counter cassette1	0 to 9999999	300000																														

Item No.	Description																																				
U251	<p data-bbox="287 241 845 275">Checking/clearing the maintenance counter</p> <p data-bbox="287 309 438 342">Description Displays and clears or changes the maintenance count and automatic grayscale adjustment count.</p> <p data-bbox="287 409 399 443">Purpose To verify the maintenance counter count and automatic grayscale count. Also to clear the count during maintenance service.</p> <p data-bbox="287 555 383 589">Setting</p> <ol data-bbox="303 589 981 689" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be changed. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="335 701 1423 1171"> <thead> <tr> <th data-bbox="343 701 486 779">Display</th> <th data-bbox="486 701 1045 779">Description</th> <th data-bbox="1045 701 1236 779">Setting range</th> <th data-bbox="1236 701 1423 779">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 779 486 824">M.Cnt A</td> <td data-bbox="486 779 1045 824">Count value for maintenance cycle (kit A)</td> <td data-bbox="1045 779 1236 824">0 to 9999999</td> <td data-bbox="1236 779 1423 824">0</td> </tr> <tr> <td data-bbox="343 824 486 869">M.Cnt B</td> <td data-bbox="486 824 1045 869">Count value for maintenance cycle (kit B)</td> <td data-bbox="1045 824 1236 869">0 to 9999999</td> <td data-bbox="1236 824 1423 869">0</td> </tr> <tr> <td data-bbox="343 869 486 913">M.Cnt HT</td> <td data-bbox="486 869 1045 913">Automatic grayscale adjustment count</td> <td data-bbox="1045 869 1236 913">0 to 9999999</td> <td data-bbox="1236 869 1423 913">0</td> </tr> <tr> <td data-bbox="343 913 486 958">Cassette 1</td> <td data-bbox="486 913 1045 958">Maintenance counter cassette1</td> <td data-bbox="1045 913 1236 958">0 to 9999999</td> <td data-bbox="1236 913 1423 958">0</td> </tr> <tr> <td data-bbox="343 958 486 1003">Cassette 2</td> <td data-bbox="486 958 1045 1003">Maintenance counter cassette2</td> <td data-bbox="1045 958 1236 1003">0 to 9999999</td> <td data-bbox="1236 958 1423 1003">0</td> </tr> <tr> <td data-bbox="343 1003 486 1048">Cassette 3</td> <td data-bbox="486 1003 1045 1048">Maintenance counter cassette3</td> <td data-bbox="1045 1003 1236 1048">0 to 9999999</td> <td data-bbox="1236 1003 1423 1048">0</td> </tr> <tr> <td data-bbox="343 1048 486 1093">Cassette 4</td> <td data-bbox="486 1048 1045 1093">Maintenance counter cassette4</td> <td data-bbox="1045 1048 1236 1093">0 to 9999999</td> <td data-bbox="1236 1048 1423 1093">0</td> </tr> <tr> <td data-bbox="343 1093 486 1171">Clear</td> <td data-bbox="486 1093 1045 1171">Maintenance counter all clear</td> <td data-bbox="1045 1093 1236 1171">0 to 9999999</td> <td data-bbox="1236 1093 1423 1171">-</td> </tr> </tbody> </table> <p data-bbox="303 1182 766 1216">4. Press the start key. The value is set.</p> <p data-bbox="287 1249 399 1283">Clearing</p> <ol data-bbox="303 1283 901 1350" style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The setting value is cleared. <p data-bbox="287 1395 438 1429">Completion</p> <p data-bbox="287 1429 1252 1462">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="335 1563 1404 1664">* : When the firmware is upgraded in the field, input the counter value of U901 into the primary feed counter. If the counter value is larger than 30000, replace the primary feed roller and input "0".</p>	Display	Description	Setting range	Initial setting	M.Cnt A	Count value for maintenance cycle (kit A)	0 to 9999999	0	M.Cnt B	Count value for maintenance cycle (kit B)	0 to 9999999	0	M.Cnt HT	Automatic grayscale adjustment count	0 to 9999999	0	Cassette 1	Maintenance counter cassette1	0 to 9999999	0	Cassette 2	Maintenance counter cassette2	0 to 9999999	0	Cassette 3	Maintenance counter cassette3	0 to 9999999	0	Cassette 4	Maintenance counter cassette4	0 to 9999999	0	Clear	Maintenance counter all clear	0 to 9999999	-
Display	Description	Setting range	Initial setting																																		
M.Cnt A	Count value for maintenance cycle (kit A)	0 to 9999999	0																																		
M.Cnt B	Count value for maintenance cycle (kit B)	0 to 9999999	0																																		
M.Cnt HT	Automatic grayscale adjustment count	0 to 9999999	0																																		
Cassette 1	Maintenance counter cassette1	0 to 9999999	0																																		
Cassette 2	Maintenance counter cassette2	0 to 9999999	0																																		
Cassette 3	Maintenance counter cassette3	0 to 9999999	0																																		
Cassette 4	Maintenance counter cassette4	0 to 9999999	0																																		
Clear	Maintenance counter all clear	0 to 9999999	-																																		

Item No.	Description																								
U252	<p data-bbox="290 241 580 273">Setting the destination</p> <p data-bbox="290 309 440 340">Description Switches the operations and screens of the machine according to the destination.</p> <p data-bbox="290 376 400 407">Purpose To be executed after initializing the backup RAM, in order to return the setting to the value before replacement or initialization.</p> <p data-bbox="290 515 387 546">Method</p> <ol data-bbox="306 555 600 618" style="list-style-type: none"> 1. Press the start key. 2. Select the destination. <table border="1" data-bbox="336 631 1401 967"> <thead> <tr> <th data-bbox="336 631 641 676">Display</th> <th data-bbox="641 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 641 721">Inch</td> <td data-bbox="641 676 1401 721">Inch (North America) specifications</td> </tr> <tr> <td data-bbox="336 721 641 766">Europe Metric</td> <td data-bbox="641 721 1401 766">Metric (Europe) specifications</td> </tr> <tr> <td data-bbox="336 766 641 810">Asia Pacific</td> <td data-bbox="641 766 1401 810">Metric (Asia Pacific) specifications</td> </tr> <tr> <td data-bbox="336 810 641 855">Australia</td> <td data-bbox="641 810 1401 855">Australia specifications</td> </tr> <tr> <td data-bbox="336 855 641 900">China</td> <td data-bbox="641 855 1401 900">China specifications</td> </tr> <tr> <td data-bbox="336 900 641 967">Korea</td> <td data-bbox="641 900 1401 967">Korea specifications</td> </tr> </tbody> </table> <ol data-bbox="306 981 798 1043" style="list-style-type: none"> 3. Press the start key. 4. Turn the main power switch off and on. <p data-bbox="338 1052 1059 1084">* : An error code is displayed in case of an initialization error.</p> <p data-bbox="373 1088 1425 1151">When errors occurred, turn main power switch off then on, and execute initialization using maintenance item U252.</p> <p data-bbox="336 1191 488 1223">Error codes</p> <table border="1" data-bbox="336 1236 1401 1473"> <thead> <tr> <th data-bbox="336 1236 641 1281">Codes</th> <th data-bbox="641 1236 1401 1281">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1281 641 1326">0001</td> <td data-bbox="641 1281 1401 1326">Entity error</td> </tr> <tr> <td data-bbox="336 1326 641 1370">0002</td> <td data-bbox="641 1326 1401 1370">Controller error</td> </tr> <tr> <td data-bbox="336 1370 641 1415">0020</td> <td data-bbox="641 1370 1401 1415">Engine error</td> </tr> <tr> <td data-bbox="336 1415 641 1473">0040</td> <td data-bbox="641 1415 1401 1473">Scanner error</td> </tr> </tbody> </table>	Display	Description	Inch	Inch (North America) specifications	Europe Metric	Metric (Europe) specifications	Asia Pacific	Metric (Asia Pacific) specifications	Australia	Australia specifications	China	China specifications	Korea	Korea specifications	Codes	Description	0001	Entity error	0002	Controller error	0020	Engine error	0040	Scanner error
Display	Description																								
Inch	Inch (North America) specifications																								
Europe Metric	Metric (Europe) specifications																								
Asia Pacific	Metric (Asia Pacific) specifications																								
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Korea	Korea specifications																								
Codes	Description																								
0001	Entity error																								
0002	Controller error																								
0020	Engine error																								
0040	Scanner error																								

Item No.	Description																		
U253	<p data-bbox="288 241 863 271">Switching between double and single counts</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1334 374">Switches the count system for the total counter and other counters for every color mode.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1374 479">Used to select, according to the preference of the user (copy service provider), if A3/Ledger paper is to be counted as one sheet (single count) or two sheets (double count).</p> <p data-bbox="288 519 384 548">Setting</p> <ol data-bbox="304 553 595 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 631 1399 824"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Full Color</td> <td data-bbox="639 676 1399 721">Count system of full color mode</td> </tr> <tr> <td data-bbox="336 721 639 766">Mono Color*</td> <td data-bbox="639 721 1399 766">Count system of single color mode</td> </tr> <tr> <td data-bbox="336 766 639 810">B/W</td> <td data-bbox="639 766 1399 810">Count system of black/white mode</td> </tr> </tbody> </table> <p data-bbox="336 835 1289 864">* : Displayed only if the setting of U276 (Setting the copy count mode) is Mode1.</p> <ol data-bbox="304 869 628 898" style="list-style-type: none"> 3. Select the count system. <table border="1" data-bbox="336 911 1399 1151"> <thead> <tr> <th data-bbox="336 911 639 956">Display</th> <th data-bbox="639 911 1399 956">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 956 639 1001">SGL(All)</td> <td data-bbox="639 956 1399 1001">Single count for all size paper</td> </tr> <tr> <td data-bbox="336 1001 639 1046">DBL(A3/Ledger)</td> <td data-bbox="639 1001 1399 1046">Double count for A3/Ledger size or larger</td> </tr> <tr> <td data-bbox="336 1046 639 1090">DBL(B4)</td> <td data-bbox="639 1046 1399 1090">Double count for B4 size or larger</td> </tr> <tr> <td data-bbox="336 1090 639 1151">DBL(Folio)</td> <td data-bbox="639 1090 1399 1151">Double count for Folio size or larger</td> </tr> </tbody> </table> <p data-bbox="336 1164 695 1193">Initial setting: DBL(A3/Ledger)</p> <ol data-bbox="304 1198 782 1227" style="list-style-type: none"> 4. Press the start key. The setting is set. <p data-bbox="288 1267 440 1296">Completion</p> <p data-bbox="288 1301 1254 1330">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Full Color	Count system of full color mode	Mono Color*	Count system of single color mode	B/W	Count system of black/white mode	Display	Description	SGL(All)	Single count for all size paper	DBL(A3/Ledger)	Double count for A3/Ledger size or larger	DBL(B4)	Double count for B4 size or larger	DBL(Folio)	Double count for Folio size or larger
Display	Description																		
Full Color	Count system of full color mode																		
Mono Color*	Count system of single color mode																		
B/W	Count system of black/white mode																		
Display	Description																		
SGL(All)	Single count for all size paper																		
DBL(A3/Ledger)	Double count for A3/Ledger size or larger																		
DBL(B4)	Double count for B4 size or larger																		
DBL(Folio)	Double count for Folio size or larger																		

Item No.	Description						
U260	<p>Selecting the timing for copy counting</p> <p>Description Changes the copy count timing for the total counter and other counters.</p> <p>Purpose To be set according to user request.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the copy count timing. <table border="1" data-bbox="336 598 1401 741"> <thead> <tr> <th data-bbox="336 598 641 642">Display</th> <th data-bbox="641 598 1401 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 642 641 687">Feed</td> <td data-bbox="641 642 1401 687">When secondary paper feed starts</td> </tr> <tr> <td data-bbox="336 687 641 741">Eject</td> <td data-bbox="641 687 1401 741">When the paper is ejected</td> </tr> </tbody> </table> <p>* : Initial setting: Eject</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Feed	When secondary paper feed starts	Eject	When the paper is ejected
Display	Description						
Feed	When secondary paper feed starts						
Eject	When the paper is ejected						
U265	<p>Setting OEM purchaser code</p> <p>Description Sets the OEM purchaser code.</p> <p>Purpose Sets the code when replacing the main PWB and the like.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Change the setting value using the numeric keys. 3. Press the start key. The setting is set. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 						

Item No.	Description						
U276	<p>Setting the copy count mode</p> <p>Description Sets the count mode of single color mode.</p> <p>Purpose To change the charging counter which counts up in single color printing.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1" data-bbox="336 595 1399 741"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Mode0</td> <td data-bbox="639 640 1399 685">This lets the full color counter count up in single color</td> </tr> <tr> <td data-bbox="336 685 639 741">Mode1</td> <td data-bbox="639 685 1399 741">This lets the single color counter count up in single color</td> </tr> </tbody> </table> <p>Initial setting: Mode 0</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mode0	This lets the full color counter count up in single color	Mode1	This lets the single color counter count up in single color
Display	Description						
Mode0	This lets the full color counter count up in single color						
Mode1	This lets the single color counter count up in single color						
U278	<p>Setting the delivery date</p> <p>Description Enter delivery date in month, day, and year.</p> <p>Purpose To operate when installing the machine. Perform this to confirm the delivery date.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Today]. 3. Press the start key. The delivery date is set. <p>Clearing</p> <ol style="list-style-type: none"> 1. Select [Clear]. 2. Press the start key. The delivery date is cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>						

Item No.	Description								
U284	<p>Setting 2 color copy mode</p> <p>Description Sets whether to use 2 color copy mode.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select On or Off. <table border="1" data-bbox="336 595 1401 788"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">B/W</td> <td data-bbox="639 640 1401 685">2 color copy mode is enabled, monochrome count</td> </tr> <tr> <td data-bbox="336 685 639 730">Mono Color</td> <td data-bbox="639 685 1401 730">2 color copy mode is enabled, monochrome color count</td> </tr> <tr> <td data-bbox="336 730 639 788">Off</td> <td data-bbox="639 730 1401 788">2 color copy mode is disabled</td> </tr> </tbody> </table> <p>Initial setting: Off If On is selected, 2-color copy will be displayed on the color function screen.</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	B/W	2 color copy mode is enabled, monochrome count	Mono Color	2 color copy mode is enabled, monochrome color count	Off	2 color copy mode is disabled
Display	Description								
B/W	2 color copy mode is enabled, monochrome count								
Mono Color	2 color copy mode is enabled, monochrome color count								
Off	2 color copy mode is disabled								
U285	<p>Setting service status page</p> <p>Description Determines displaying the print coverage report on reporting.</p> <p>Purpose According to user request, changes the setting.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [On] or [Off]. <table border="1" data-bbox="336 1413 1401 1559"> <thead> <tr> <th data-bbox="336 1413 639 1458">Display</th> <th data-bbox="639 1413 1401 1458">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1458 639 1503">On</td> <td data-bbox="639 1458 1401 1503">Displays the print coverage</td> </tr> <tr> <td data-bbox="336 1503 639 1559">Off</td> <td data-bbox="639 1503 1401 1559">Not to display the print coverage</td> </tr> </tbody> </table> <p>* : Initial setting: On</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Displays the print coverage	Off	Not to display the print coverage		
Display	Description								
On	Displays the print coverage								
Off	Not to display the print coverage								

Item No.	Description								
U325	<p data-bbox="287 237 611 271">Setting the paper interval</p> <p data-bbox="287 302 437 331">Description</p> <p data-bbox="287 333 1431 394">Determines the interval between pages and the toner replenishment amount when printing pages with high print coverage.</p> <p data-bbox="287 396 397 425">Purpose</p> <p data-bbox="287 427 1426 488">Modify the settings only if a spotted background or uneven density appears when printing pages with high print coverage.</p> <p data-bbox="287 521 384 551">Method</p> <ol data-bbox="303 555 1126 618" style="list-style-type: none"> <li data-bbox="303 555 560 584">1. Press the start key. <li data-bbox="303 586 1126 618">2. Change the setting using the cursor left/right keys or numeric keys. <table border="1" data-bbox="319 629 1399 759"> <thead> <tr> <th data-bbox="319 629 499 712">Display</th> <th data-bbox="499 629 1011 712">Description</th> <th data-bbox="1011 629 1227 712">Setting range</th> <th data-bbox="1227 629 1399 712">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="319 712 499 759">Rank</td> <td data-bbox="499 712 1011 759">Setting the rank</td> <td data-bbox="1011 712 1227 759">0 to 4</td> <td data-bbox="1227 712 1399 759">1</td> </tr> </tbody> </table> <ol data-bbox="303 775 850 806" style="list-style-type: none"> <li data-bbox="303 775 850 806">3. Press the start key. The setting value is set. <p data-bbox="287 842 437 871">Completion</p> <p data-bbox="287 873 1251 904">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Rank	Setting the rank	0 to 4	1
Display	Description	Setting range	Initial setting						
Rank	Setting the rank	0 to 4	1						

Item No.	Description																				
U326	<p data-bbox="288 241 810 275">Setting the black line cleaning indication</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 1193 378">Sets whether to display the cleaning guidance when detecting the black line.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 1423 483">Displays the cleaning guidance in order to make the call for service with the black line decrease by the rubbish on the contact glass when scanning from the DP.</p> <p data-bbox="288 517 387 551">Method</p> <ol data-bbox="304 553 1139 620" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. The screen for setting each item is displayed. <table border="1" data-bbox="336 631 1401 777"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Black Line Mode</td> <td data-bbox="639 676 1401 721">Black line cleaning guidance ON/OFF setting</td> </tr> <tr> <td data-bbox="336 721 639 777">Black Line Cnt</td> <td data-bbox="639 721 1401 777">Setting counts of the cleaning guidance indication</td> </tr> </tbody> </table> <p data-bbox="288 819 628 853">Setting: [Black Line Mode]</p> <ol data-bbox="304 855 564 889" style="list-style-type: none"> 1. Select [On] or [Off]. <table border="1" data-bbox="336 900 1401 1046"> <thead> <tr> <th data-bbox="336 900 639 945">Display</th> <th data-bbox="639 900 1401 945">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 945 639 990">On</td> <td data-bbox="639 945 1401 990">Displays the cleaning guidance</td> </tr> <tr> <td data-bbox="336 990 639 1046">Off</td> <td data-bbox="639 990 1401 1046">Not to display the cleaning guidance</td> </tr> </tbody> </table> <p data-bbox="336 1055 576 1088">* : Initial setting: On</p> <ol data-bbox="304 1090 782 1124" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1158 603 1191">Setting: [Black Line Cnt]</p> <ol data-bbox="304 1193 1054 1261" style="list-style-type: none"> 1. Select [Cnt]. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1272 1401 1440"> <thead> <tr> <th data-bbox="336 1272 564 1350">Display</th> <th data-bbox="564 1272 1066 1350">Description</th> <th data-bbox="1066 1272 1233 1350">Setting range</th> <th data-bbox="1233 1272 1401 1350">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1350 564 1440">Cnt</td> <td data-bbox="564 1350 1066 1440">Setting counts of the cleaning guidance indication (x 1000 sheets)</td> <td data-bbox="1066 1350 1233 1440">0 to 255</td> <td data-bbox="1233 1350 1401 1440">8</td> </tr> </tbody> </table> <p data-bbox="336 1449 1394 1516">* : When setting is 0, the black line cleaning indication is displayed only if the black line is detected.</p> <ol data-bbox="304 1518 767 1552" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1585 440 1619">Completion</p> <p data-bbox="288 1621 1254 1655">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Black Line Mode	Black line cleaning guidance ON/OFF setting	Black Line Cnt	Setting counts of the cleaning guidance indication	Display	Description	On	Displays the cleaning guidance	Off	Not to display the cleaning guidance	Display	Description	Setting range	Initial setting	Cnt	Setting counts of the cleaning guidance indication (x 1000 sheets)	0 to 255	8
Display	Description																				
Black Line Mode	Black line cleaning guidance ON/OFF setting																				
Black Line Cnt	Setting counts of the cleaning guidance indication																				
Display	Description																				
On	Displays the cleaning guidance																				
Off	Not to display the cleaning guidance																				
Display	Description	Setting range	Initial setting																		
Cnt	Setting counts of the cleaning guidance indication (x 1000 sheets)	0 to 255	8																		

Item No.	Description																																				
U332	<p data-bbox="288 241 721 271">Setting the size conversion factor</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1426 443">Sets the coefficient of nonstandard sizes in relation to the A4/Letter size. The coefficient set here is used to convert the black ratio in relation to the A4/Letter size and to display the result in user simulation.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 1433 546">To set the coefficient for converting the black ratio for nonstandard sizes in relation to the A4/Letter size.</p> <p data-bbox="288 586 387 616">Method</p> <ol data-bbox="304 620 593 683" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="336 698 1399 940"> <thead> <tr> <th data-bbox="336 698 639 743">Display</th> <th data-bbox="639 698 1399 743">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 743 639 788">Rate</td> <td data-bbox="639 743 1399 788">Size coefficient</td> </tr> <tr> <td data-bbox="336 788 639 833">Mode</td> <td data-bbox="639 788 1399 833">Toggling full-color count and color coverage count display</td> </tr> <tr> <td data-bbox="336 833 639 878">Level 1</td> <td data-bbox="639 833 1399 878">Low coverage threshold value</td> </tr> <tr> <td data-bbox="336 878 639 940">Level 2</td> <td data-bbox="639 878 1399 940">Middle coverage threshold value</td> </tr> </tbody> </table> <p data-bbox="288 981 475 1010">Setting: [Rate]</p> <ol data-bbox="304 1014 975 1043" style="list-style-type: none"> 1. Change the setting using the +/-keys or numeric keys. <table border="1" data-bbox="336 1059 1399 1189"> <thead> <tr> <th data-bbox="336 1059 564 1144">Display</th> <th data-bbox="564 1059 1096 1144">Description</th> <th data-bbox="1096 1059 1249 1144">Setting range</th> <th data-bbox="1249 1059 1399 1144">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1144 564 1189">Rate</td> <td data-bbox="564 1144 1096 1189">Size coefficient</td> <td data-bbox="1096 1144 1249 1189">0.1 to 3.0</td> <td data-bbox="1249 1144 1399 1189">1.0</td> </tr> </tbody> </table> <ol data-bbox="304 1193 767 1223" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1263 488 1292">Setting: [Mode]</p> <ol data-bbox="304 1296 539 1326" style="list-style-type: none"> 1. Select the mode. <table border="1" data-bbox="336 1341 1399 1487"> <thead> <tr> <th data-bbox="336 1341 639 1386">Display</th> <th data-bbox="639 1341 1399 1386">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1386 639 1431">0</td> <td data-bbox="639 1386 1399 1431">Full-color count display</td> </tr> <tr> <td data-bbox="336 1431 639 1487">1</td> <td data-bbox="639 1431 1399 1487">Color coverage count display</td> </tr> </tbody> </table> <p data-bbox="336 1491 517 1520">Initial setting: 0</p> <ol data-bbox="304 1525 783 1554" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1594 531 1624">Setting: [Level 1/2]</p> <ol data-bbox="304 1628 975 1691" style="list-style-type: none"> 1. Select the item. 2. Change the setting using the +/-keys or numeric keys. <table border="1" data-bbox="336 1706 1399 1888"> <thead> <tr> <th data-bbox="336 1706 564 1792">Display</th> <th data-bbox="564 1706 1096 1792">Description</th> <th data-bbox="1096 1706 1249 1792">Setting range</th> <th data-bbox="1249 1706 1399 1792">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1792 564 1836">Level 1</td> <td data-bbox="564 1792 1096 1836">Low coverage threshold value</td> <td data-bbox="1096 1792 1249 1836">0.1 to 99.8</td> <td data-bbox="1249 1792 1399 1836">1.0</td> </tr> <tr> <td data-bbox="336 1836 564 1888">Level 2</td> <td data-bbox="564 1836 1096 1888">Middle coverage threshold value</td> <td data-bbox="1096 1836 1249 1888">0.1 to 99.9</td> <td data-bbox="1249 1836 1399 1888">2.5</td> </tr> </tbody> </table> <ol data-bbox="304 1892 767 1921" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="288 1962 440 1991">Completion</p> <p data-bbox="288 1995 1254 2024">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Rate	Size coefficient	Mode	Toggling full-color count and color coverage count display	Level 1	Low coverage threshold value	Level 2	Middle coverage threshold value	Display	Description	Setting range	Initial setting	Rate	Size coefficient	0.1 to 3.0	1.0	Display	Description	0	Full-color count display	1	Color coverage count display	Display	Description	Setting range	Initial setting	Level 1	Low coverage threshold value	0.1 to 99.8	1.0	Level 2	Middle coverage threshold value	0.1 to 99.9	2.5
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Rate	Size coefficient	0.1 to 3.0	1.0																																		
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Level 2	Middle coverage threshold value	0.1 to 99.9	2.5																																		

Item No.	Description																										
U340	<p data-bbox="287 241 614 275">Setting the applied mode</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1412 412">Allocates memory to ensure that there is sufficient memory available for the printer to use as a working area.</p> <p data-bbox="287 414 399 448">Purpose</p> <p data-bbox="287 450 1428 517">Modify the memory allocation if insufficient memory for transparency support or XPS direct printing occurs.</p> <p data-bbox="287 551 391 584">Method</p> <ol data-bbox="303 586 598 654" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="335 665 1401 810"> <thead> <tr> <th data-bbox="343 665 641 710">Display</th> <th data-bbox="641 665 1401 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 710 641 754">Adj Memory</td> <td data-bbox="641 710 1401 754">Setting the memory allocation</td> </tr> <tr> <td data-bbox="343 754 641 810">Adj Max Job</td> <td data-bbox="641 754 1401 810">Setting the maximum of multiple jobs</td> </tr> </tbody> </table> <p data-bbox="287 855 566 889">Setting: [Adj Memory]</p> <ol data-bbox="303 891 981 925" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="335 936 1401 1104"> <thead> <tr> <th data-bbox="343 936 564 1014">Display</th> <th data-bbox="564 936 1066 1014">Description</th> <th data-bbox="1066 936 1249 1014">Setting range</th> <th data-bbox="1249 936 1401 1014">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1014 564 1104">Image</td> <td data-bbox="564 1014 1066 1104">Area temporarily used to create output image.</td> <td data-bbox="1066 1014 1249 1104">-100 to 100 (MB)</td> <td data-bbox="1249 1014 1401 1104">0</td> </tr> </tbody> </table> <p data-bbox="335 1193 1220 1261">Set the values below in case print failure occurs with the memory shortage. (recommended value)</p> <p data-bbox="335 1263 494 1296">Image : +100</p> <ol data-bbox="303 1299 1380 1366" style="list-style-type: none"> 2. Press the start key. The value is set. 3. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="287 1400 446 1433">Supplement</p> <p data-bbox="287 1435 1300 1469">The work area for copy is small and it may cause output failure if the values are large.</p> <p data-bbox="287 1503 574 1536">Setting: [Adj Max Job]</p> <ol data-bbox="303 1538 973 1572" style="list-style-type: none"> 1. Change the setting using the +/-keys or numeric keys. <table border="1" data-bbox="335 1583 1401 1751"> <thead> <tr> <th data-bbox="343 1583 564 1662">Display</th> <th data-bbox="564 1583 1098 1662">Description</th> <th data-bbox="1098 1583 1249 1662">Setting range</th> <th data-bbox="1249 1583 1401 1662">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1662 564 1706">Copy</td> <td data-bbox="564 1662 1098 1706">Maximum copy (Scan To Print) Jobs</td> <td data-bbox="1098 1662 1249 1706">10 to 50</td> <td data-bbox="1249 1662 1401 1706">10</td> </tr> <tr> <td data-bbox="343 1706 564 1751">Printer</td> <td data-bbox="564 1706 1098 1751">Maximum printer (Host To Print) Jobs</td> <td data-bbox="1098 1706 1249 1751">10 to 50</td> <td data-bbox="1249 1706 1401 1751">-</td> </tr> </tbody> </table> <p data-bbox="335 1774 1260 1807">The maximum Printer jobs should be (maximum jobs) – (maximum copy jobs).</p> <ol data-bbox="303 1809 766 1843" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1877 438 1910">Completion</p> <p data-bbox="287 1912 1252 1946">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Adj Memory	Setting the memory allocation	Adj Max Job	Setting the maximum of multiple jobs	Display	Description	Setting range	Initial setting	Image	Area temporarily used to create output image.	-100 to 100 (MB)	0	Display	Description	Setting range	Initial setting	Copy	Maximum copy (Scan To Print) Jobs	10 to 50	10	Printer	Maximum printer (Host To Print) Jobs	10 to 50	-
Display	Description																										
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Display	Description	Setting range	Initial setting																								
Copy	Maximum copy (Scan To Print) Jobs	10 to 50	10																								
Printer	Maximum printer (Host To Print) Jobs	10 to 50	-																								

Item No.	Description										
U341	<p>Specific paper feed location setting for printing function</p> <p>Description Sets a paper feed location specified for printer output.</p> <p>Purpose To use a paper feed location only for printer output. A paper feed location specified for printer output cannot be used for copy output.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the paper feed location for the printer. <table border="1" data-bbox="336 631 1401 871"> <thead> <tr> <th data-bbox="336 631 641 678">Display</th> <th data-bbox="641 631 1401 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 641 725">Cassette1</td> <td data-bbox="641 678 1401 725">Cassette 1</td> </tr> <tr> <td data-bbox="336 725 641 772">Cassette2</td> <td data-bbox="641 725 1401 772">Cassette 2</td> </tr> <tr> <td data-bbox="336 772 641 819">Cassette3</td> <td data-bbox="641 772 1401 819">Cassette 3 (optional paper feeder)</td> </tr> <tr> <td data-bbox="336 819 641 871">Cassette4</td> <td data-bbox="641 819 1401 871">Cassette 4 (optional paper feeder)</td> </tr> </tbody> </table> <p>* : When an optional paper feed device is not installed, the corresponding count is not displayed.</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cassette1	Cassette 1	Cassette2	Cassette 2	Cassette3	Cassette 3 (optional paper feeder)	Cassette4	Cassette 4 (optional paper feeder)
Display	Description										
Cassette1	Cassette 1										
Cassette2	Cassette 2										
Cassette3	Cassette 3 (optional paper feeder)										
Cassette4	Cassette 4 (optional paper feeder)										
U343	<p>Switching between duplex/simplex copy mode</p> <p>Description Switches the initial setting between duplex and simplex copy.</p> <p>Purpose To be set according to frequency of use: set to the more frequently used mode.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [On] or [Off]. <table border="1" data-bbox="336 1491 1401 1637"> <thead> <tr> <th data-bbox="336 1491 641 1538">Display</th> <th data-bbox="641 1491 1401 1538">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1538 641 1585">On</td> <td data-bbox="641 1538 1401 1585">Duplex copy</td> </tr> <tr> <td data-bbox="336 1585 641 1637">Off</td> <td data-bbox="641 1585 1401 1637">Simplex copy</td> </tr> </tbody> </table> <p>* : Initial setting: Off</p> <ol style="list-style-type: none"> 3. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Duplex copy	Off	Simplex copy				
Display	Description										
On	Duplex copy										
Off	Simplex copy										




Item No.	Description								
U345	<p data-bbox="290 241 911 275">Setting the value for maintenance due indication</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 342 1417 456">Sets when to display a message notifying that the time for maintenance is about to be reached, by setting the number of copies that can be made before the current maintenance cycle ends. When the difference between the number of copies of the maintenance cycle and that of the maintenance count reaches the set value, the message is displayed.</p> <p data-bbox="290 459 400 488">Purpose</p> <p data-bbox="290 490 898 519">To change the time for maintenance due indication.</p> <p data-bbox="290 562 384 591">Setting</p> <ol data-bbox="304 595 983 696" style="list-style-type: none"> 1. Press the start key. 2. Select [Cnt]. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 707 1401 909"> <thead> <tr> <th data-bbox="336 707 489 790">Display</th> <th data-bbox="489 707 1096 790">Description</th> <th data-bbox="1096 707 1249 790">Setting range</th> <th data-bbox="1249 707 1401 790">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 790 489 909">Cnt</td> <td data-bbox="489 790 1096 909">Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)</td> <td data-bbox="1096 790 1249 909">0 to 9999</td> <td data-bbox="1249 790 1401 909">0</td> </tr> </tbody> </table> <ol data-bbox="304 920 767 949" style="list-style-type: none"> 4. Press the start key. The value is set. <p data-bbox="290 990 440 1019">Completion</p> <p data-bbox="290 1023 1254 1052">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Cnt	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999	0
Display	Description	Setting range	Initial setting						
Cnt	Time for maintenance due indication (Remaining number of copies that can be made before the current maintenance cycle ends)	0 to 9999	0						

Item No.	Description										
U346	<p data-bbox="292 241 568 271">Selecting Sleep Mode</p> <p data-bbox="292 311 440 340">Description Switches configurations for sleep modes.</p> <p data-bbox="292 416 400 445">Purpose Use this to switch configurations for sleep modes.</p> <p data-bbox="292 521 387 551">Method</p> <ol data-bbox="308 555 595 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to set. <table border="1" data-bbox="338 631 1399 754"> <thead> <tr> <th data-bbox="338 631 641 676">Display</th> <th data-bbox="641 631 1399 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 676 641 754">Disable Auto Sleep Setting</td> <td data-bbox="641 676 1399 754">Auto Sleep setting</td> </tr> </tbody> </table> <p data-bbox="292 817 384 846">Setting</p> <ol data-bbox="308 851 564 913" style="list-style-type: none"> 1. Press the start key. 2. Select On or Off. <table border="1" data-bbox="338 927 1399 1072"> <thead> <tr> <th data-bbox="338 927 641 972">Display</th> <th data-bbox="641 927 1399 972">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 972 641 1016">On</td> <td data-bbox="641 972 1399 1016">Transition to sleep mode is deactivated from the system menu.</td> </tr> <tr> <td data-bbox="338 1016 641 1072">Off</td> <td data-bbox="641 1016 1399 1072">Transition to sleep mode is activated from the system menu.</td> </tr> </tbody> </table> <p data-bbox="338 1093 539 1122">Initial setting: On</p> <ol data-bbox="308 1126 782 1155" style="list-style-type: none"> 3. Press the start key. The setting is set. <p data-bbox="292 1196 440 1225">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Disable Auto Sleep Setting	Auto Sleep setting	Display	Description	On	Transition to sleep mode is deactivated from the system menu.	Off	Transition to sleep mode is activated from the system menu.
Display	Description										
Disable Auto Sleep Setting	Auto Sleep setting										
Display	Description										
On	Transition to sleep mode is deactivated from the system menu.										
Off	Transition to sleep mode is activated from the system menu.										

Item No.	Description																									
U402	<p data-bbox="287 241 750 275">Adjusting margins of image printing</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 702 378">Adjusts margins for image printing.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 821 450">Make the adjustment if margins are incorrect.</p> <p data-bbox="287 483 438 517">Adjustment</p> <ol data-bbox="303 519 837 685" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Press the start key to output a test pattern. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="335 696 1396 976"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Lead</td> <td>Printer leading edge margin</td> <td>0 to 10.0</td> <td>4.0</td> <td>0.1 mm</td> </tr> <tr> <td>A Margin</td> <td>Printer left margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>C Margin</td> <td>Printer right margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.1 mm</td> </tr> <tr> <td>Trail</td> <td>Printer trailing edge margin</td> <td>0 to 10.0</td> <td>3.9</td> <td>0.1 mm</td> </tr> </tbody> </table> <ol data-bbox="303 987 1420 1055" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="526 1077 1197 1496" style="text-align: center;"> <p data-bbox="750 1077 1045 1137">Printer leading edge margin (4.5 ± 1.5 mm)</p> <p data-bbox="526 1227 734 1317">Printer left margin (2.5 + 1.5/-2.0 mm)</p> <p data-bbox="989 1227 1197 1317">Printer right margin (2.5 + 1.5/-2.0 mm)</p> <p data-bbox="750 1435 1045 1496">Printer trailing edge margin (3.0 ± 2.5 mm)</p> </div> <p data-bbox="774 1525 949 1559">Figure 1-3-36</p> <ol data-bbox="303 1592 766 1626" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="287 1659 391 1693">Caution</p> <p data-bbox="287 1695 1396 1762">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="295 1774 678 1874" style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;"> U034 (P.1-3-37) </div> <div style="font-size: 2em; margin-right: 10px;">→</div> <div style="border: 1px solid black; padding: 5px;"> U402 </div> </div> <p data-bbox="287 1919 438 1953">Completion</p> <p data-bbox="287 1955 1252 1989">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Lead	Printer leading edge margin	0 to 10.0	4.0	0.1 mm	A Margin	Printer left margin	0 to 10.0	3.0	0.1 mm	C Margin	Printer right margin	0 to 10.0	3.0	0.1 mm	Trail	Printer trailing edge margin	0 to 10.0	3.9	0.1 mm
Display	Description	Setting range	Initial setting	Change in value per step																						
Lead	Printer leading edge margin	0 to 10.0	4.0	0.1 mm																						
A Margin	Printer left margin	0 to 10.0	3.0	0.1 mm																						
C Margin	Printer right margin	0 to 10.0	3.0	0.1 mm																						
Trail	Printer trailing edge margin	0 to 10.0	3.9	0.1 mm																						

Item No.	Description																														
U403	<p data-bbox="288 241 1102 275">Adjusting margins for scanning an original on the contact glass</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1026 376">Adjusts margins for scanning the original on the contact glass.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 858 445">Perform the adjustment if margins are incorrect.</p> <p data-bbox="288 483 440 512">Adjustment</p> <ol data-bbox="304 517 1058 685" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 698 1399 974"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A Margin</td> <td>Scanner left margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>B Margin</td> <td>Scanner leading edge margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>C Margin</td> <td>Scanner right margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> <tr> <td>D Margin</td> <td>Scanner trailing edge margin</td> <td>0 to 10.0</td> <td>2.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <ol data-bbox="304 987 1425 1052" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="528 1077 1193 1496" style="text-align: center;"> <p>The diagram shows a rectangular scanner bed with four margin indicators. At the top, a downward arrow points to the 'Scanner leading edge margin (3.0 ± 2.5 mm)'. At the bottom, an upward arrow points to the 'Scanner trailing edge margin (3.0 ± 2.0 mm)'. On the left side, a rightward arrow points to the 'Scanner left margin (2.5 +1.5/-2.0 mm)'. On the right side, a leftward arrow points to the 'Scanner right margin (2.5 +1.5/-2.0 mm)'.</p> </div> <p data-bbox="775 1525 946 1554">Figure 1-3-37</p> <ol data-bbox="304 1592 767 1624" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1662 392 1691">Caution</p> <p data-bbox="288 1695 1401 1760">Check the copy image after the adjustment. If the image is still incorrect, perform the following adjustments in maintenance mode.</p> <div data-bbox="293 1776 903 1870" style="text-align: center;"> <table border="1"> <tr> <td style="padding: 5px;">U034 (P.1-3-37)</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U402 (P.1-3-129)</td> <td style="text-align: center;">→</td> <td style="padding: 5px;">U403</td> </tr> </table> </div> <p data-bbox="288 1921 440 1951">Completion</p> <p data-bbox="288 1955 1246 1986">Press the stop key. The indication for selecting a maintenance item No. appears.</p>	Display	Description	Setting range	Initial setting	Change in value per step	A Margin	Scanner left margin	0 to 10.0	2.0	0.5 mm	B Margin	Scanner leading edge margin	0 to 10.0	2.0	0.5 mm	C Margin	Scanner right margin	0 to 10.0	2.0	0.5 mm	D Margin	Scanner trailing edge margin	0 to 10.0	2.0	0.5 mm	U034 (P.1-3-37)	→	U402 (P.1-3-129)	→	U403
Display	Description	Setting range	Initial setting	Change in value per step																											
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U034 (P.1-3-37)	→	U402 (P.1-3-129)	→	U403																											

Item No.	Description																									
U404	<p data-bbox="288 241 997 275">Adjusting margins for scanning an original from the DP</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 927 378">Adjusts margins for scanning the original from the DP.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 858 450">Perform the adjustment if margins are incorrect.</p> <p data-bbox="288 483 392 517">Caution</p> <p data-bbox="288 519 1431 586">Before making this adjustment, ensure that the following adjustments have been made in maintenance mode</p> <div data-bbox="295 600 903 694" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <div style="display: flex; align-items: center; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">U402 (P.1-3-129)</div> <div style="font-size: 24px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">U403 (P.1-3-130)</div> <div style="font-size: 24px;">→</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">U404</div> </div> </div> <p data-bbox="288 741 440 775">Adjustment</p> <ol data-bbox="304 777 1182 947" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. <table border="1" data-bbox="336 958 1401 1234" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>A Margin</td> <td>DP left margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>B Margin</td> <td>DP leading edge margin</td> <td>0 to 10.0</td> <td>2.5</td> <td>0.5 mm</td> </tr> <tr> <td>C Margin</td> <td>DP right margin</td> <td>0 to 10.0</td> <td>3.0</td> <td>0.5 mm</td> </tr> <tr> <td>D Margin</td> <td>DP trailing edge margin</td> <td>0 to 10.0</td> <td>4.0</td> <td>0.5 mm</td> </tr> </tbody> </table> <ol data-bbox="304 1245 1423 1312" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. Increasing the value makes the margin wider, and decreasing it makes the margin narrower. <div data-bbox="564 1335 1155 1760" style="text-align: center; margin: 10px 0;"> <p style="margin: 0;">DP leading edge margin (3.0 ± 1.5 mm)</p> <p style="margin: 0;">DP left margin (2.0 ± 1.0 mm)</p> <p style="margin: 0;">DP right margin (2.0 ± 1.0 mm)</p> <p style="margin: 0;">DP trailing edge margin (2.0 ± 1.0 mm)</p> </div> <p data-bbox="775 1776 946 1809">Figure 1-3-38</p> <ol data-bbox="304 1843 767 1877" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="288 1910 440 1944">Completion</p> <p data-bbox="288 1946 1254 1980">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	A Margin	DP left margin	0 to 10.0	3.0	0.5 mm	B Margin	DP leading edge margin	0 to 10.0	2.5	0.5 mm	C Margin	DP right margin	0 to 10.0	3.0	0.5 mm	D Margin	DP trailing edge margin	0 to 10.0	4.0	0.5 mm
Display	Description	Setting range	Initial setting	Change in value per step																						
A Margin	DP left margin	0 to 10.0	3.0	0.5 mm																						
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D Margin	DP trailing edge margin	0 to 10.0	4.0	0.5 mm																						

Item No.	Description										
U407	<p data-bbox="290 241 1136 273">Adjusting the leading edge registration for memory image printing</p> <p data-bbox="290 309 440 340">Description</p> <p data-bbox="290 344 1018 376">Adjusts the leading edge registration during memory copying.</p> <p data-bbox="290 380 402 412">Purpose</p> <p data-bbox="290 416 1426 479">Perform the following adjustment if there is a regular error between the leading edge of the copy image on the front face and that on the reverse face during duplex switchback copying.</p> <p data-bbox="290 515 392 546">Caution</p> <p data-bbox="290 551 1388 613">Before Performing this adjustment, ensure that the following adjustments have been made in maintenance mode.</p> <div data-bbox="290 631 1433 837" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <pre> graph LR U034["U034 (P.1-3-37)"] --> U402["U402 (P.1-3-129)"] U402 --> U066["U066 (P.1-3-46)"] U066 --> U403["U403 (P.1-3-130)"] U403 --> U071["U071 (P.1-3-51)"] U071 --> Arrow1[] U404["U404 (P.1-3-131)"] --> U407["U407"] style Arrow1 width:0px,height:0px </pre> </div> <p data-bbox="290 891 440 922">Adjustment</p> <ol data-bbox="306 927 1056 1097" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original and press the start key to make a test copy. 4. Press the system menu key. 5. Select [Adj Data]. <table border="1" data-bbox="338 1111 1401 1272" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Adj Data</td> <td>Leading edge registration for memory image printing</td> <td>-47 to 47</td> <td>0</td> <td>0.1 dot</td> </tr> </tbody> </table> <ol data-bbox="306 1285 1305 1348" style="list-style-type: none"> 6. Change the setting value using the +/- keys or numeric keys. For copy example 1, decrease the value. For copy example 2, increase the value. <div data-bbox="654 1375 1066 1617" style="text-align: center; margin: 10px 0;"> <div style="display: flex; justify-content: space-around; width: 100%;"> <div style="text-align: center;">  Original </div> <div style="text-align: center;">  Copy example 1 </div> <div style="text-align: center;">  Copy example 2 </div> </div> </div> <p data-bbox="775 1639 948 1671" style="text-align: center;">Figure 1-3-39</p> <ol data-bbox="306 1711 766 1742" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="290 1778 440 1809">Completion</p> <p data-bbox="290 1814 1257 1845">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Adj Data	Leading edge registration for memory image printing	-47 to 47	0	0.1 dot
Display	Description	Setting range	Initial setting	Change in value per step							
Adj Data	Leading edge registration for memory image printing	-47 to 47	0	0.1 dot							

Item No.	Description																																				
U410	<p data-bbox="288 241 753 273">Adjusting the halftone automatically</p> <p data-bbox="288 311 440 338">Description</p> <p data-bbox="288 344 1390 409">Carries out processing for the data acquisition that is required in order to perform either automatic adjustment of the halftone or the ID correction operation.</p> <p data-bbox="288 416 400 443">Purpose</p> <p data-bbox="288 450 1069 479">Performed when the quality of reproduced halftones has dropped.</p> <p data-bbox="288 517 387 544">Method</p> <ol data-bbox="304 553 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1399 761"> <thead> <tr> <th data-bbox="336 631 639 678">Display</th> <th data-bbox="639 631 1399 678">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 678 639 761">Normal Mode</td> <td data-bbox="639 678 1399 761">Executing the automatic adjustment of the halftone (continuous adjustment)</td> </tr> </tbody> </table> <p data-bbox="288 808 592 837">Method: [Normal Mode]</p> <ol data-bbox="304 844 1292 1393" style="list-style-type: none"> 1. Select [Normal Mode]. 2. Press the start key. A test patterns 1, 2 and 3 are outputted. 3. Place the output test pattern 1 as the original. Place approximately 20 sheets of white paper on the test pattern 1 and set them. 4. Press the start key. Adjustment is made (first time). 5. Place the output test pattern 2 as the original. Place approximately 20 sheets of white paper on the test pattern 2 and set them. 6. Press the start key. Adjustment is made (second time). 7. Place the output test pattern 3 as the original. Place approximately 20 sheets of white paper on the test pattern 3 and set them. 8. Press the start key. Adjustment is made (third time). 9. When normally completed, [Finish] is displayed. If a problem occurs during auto adjustment, error code is displayed. <p data-bbox="336 1433 488 1460">Error codes</p> <table border="1" data-bbox="336 1476 1399 1908"> <thead> <tr> <th data-bbox="336 1476 488 1523">Codes</th> <th data-bbox="488 1476 868 1523">Description</th> <th data-bbox="868 1476 1019 1523">Codes</th> <th data-bbox="1019 1476 1399 1523">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1523 488 1570">S001</td> <td data-bbox="488 1523 868 1570">Patch not detected</td> <td data-bbox="868 1523 1019 1570">E001</td> <td data-bbox="1019 1523 1399 1570">Engine status error</td> </tr> <tr> <td data-bbox="336 1570 488 1666">S002</td> <td data-bbox="488 1570 868 1666">Original deviation in the main scanning direction</td> <td data-bbox="868 1570 1019 1617">E002</td> <td data-bbox="1019 1570 1399 1617">Engine sensor error</td> </tr> <tr> <td data-bbox="336 1666 488 1762">S003</td> <td data-bbox="488 1666 868 1762">Original deviation in the auxiliary scanning direction</td> <td data-bbox="868 1617 1019 1664">EFFF</td> <td data-bbox="1019 1617 1399 1664">Engine other error</td> </tr> <tr> <td data-bbox="336 1762 488 1809">S004</td> <td data-bbox="488 1762 868 1809">Original inclination error</td> <td data-bbox="868 1664 1019 1711">C001</td> <td data-bbox="1019 1664 1399 1711">Controller error</td> </tr> <tr> <td data-bbox="336 1809 488 1856">S005</td> <td data-bbox="488 1809 868 1856">Original type error</td> <td data-bbox="868 1711 1019 1758">C100</td> <td data-bbox="1019 1711 1399 1758">Adjustment value error</td> </tr> <tr> <td data-bbox="336 1856 488 1904">SFFF</td> <td data-bbox="488 1856 868 1904">Scanner other error</td> <td data-bbox="868 1758 1019 1805">C200</td> <td data-bbox="1019 1758 1399 1805">Adjustment value error</td> </tr> <tr> <td></td> <td></td> <td data-bbox="868 1805 1019 1852">CFFF</td> <td data-bbox="1019 1805 1399 1852">Controller other error</td> </tr> </tbody> </table> <p data-bbox="288 1955 440 1982">Completion</p> <p data-bbox="288 1989 1254 2018">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Normal Mode	Executing the automatic adjustment of the halftone (continuous adjustment)	Codes	Description	Codes	Description	S001	Patch not detected	E001	Engine status error	S002	Original deviation in the main scanning direction	E002	Engine sensor error	S003	Original deviation in the auxiliary scanning direction	EFFF	Engine other error	S004	Original inclination error	C001	Controller error	S005	Original type error	C100	Adjustment value error	SFFF	Scanner other error	C200	Adjustment value error			CFFF	Controller other error
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SFFF	Scanner other error	C200	Adjustment value error																																		
		CFFF	Controller other error																																		

Item No.	Description																											
U411	<p data-bbox="288 241 751 275">Adjusting the scanner automatically</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 409">Uses a specified original and automatically adjusts the following items in the scanner and the DP scanning sections.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 1425 546">To perform automatic adjustment of various items in the scanner and the DP scanning sections. Perform adjustments using a new test chart (chart 1) when replacing ISC PWB, LED lamp PWB, ISU, CIS and/or DP main PWB.</p> <p data-bbox="288 589 387 618">Method</p> <ol data-bbox="308 622 564 685" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 701 1399 1512"> <thead> <tr> <th data-bbox="336 701 564 779">Display</th> <th data-bbox="564 701 1096 779">Description</th> <th data-bbox="1096 701 1399 779">Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 564 864">Table (Chart1)</td> <td data-bbox="564 779 1096 864">Automatic adjustment in the scanner section (chart 1)</td> <td data-bbox="1096 779 1399 864">7505000005</td> </tr> <tr> <td data-bbox="336 864 564 983">DP FaceUp (Chart1)</td> <td data-bbox="564 864 1096 983">Do not use. Automatic adjustment in the DP scanning section (first side) (chart 1)</td> <td data-bbox="1096 864 1399 983">7505000005</td> </tr> <tr> <td data-bbox="336 983 564 1068">DP FaceDown (Chart1)</td> <td data-bbox="564 983 1096 1068">Automatic adjustment in the DP scanning section (second side) (chart 1)</td> <td data-bbox="1096 983 1399 1068">7505000005</td> </tr> <tr> <td data-bbox="336 1068 564 1153">Table (Chart2)</td> <td data-bbox="564 1068 1096 1153">Automatic adjustment in the scanner section (chart 2)</td> <td data-bbox="1096 1068 1399 1153">302FZ56990</td> </tr> <tr> <td data-bbox="336 1153 564 1238">DP FaceUp (Chart2)</td> <td data-bbox="564 1153 1096 1238">Automatic adjustment in the DP scanning section (first side) (chart 2)</td> <td data-bbox="1096 1153 1399 1238">302AC68243</td> </tr> <tr> <td data-bbox="336 1238 564 1357">DP FaceDown (Chart2)</td> <td data-bbox="564 1238 1096 1357">Automatic adjustment in the DP scanning section (second side) (chart 2)</td> <td data-bbox="1096 1238 1399 1357">302AC68243/ 303JX57010/ 303JX57020</td> </tr> <tr> <td data-bbox="336 1357 564 1400">Target</td> <td data-bbox="564 1357 1096 1400">Set-up for obtaining the target value</td> <td data-bbox="1096 1357 1399 1400">-</td> </tr> <tr> <td data-bbox="336 1400 564 1512">DP Auto Adj</td> <td data-bbox="564 1400 1096 1512">Automatic adjustment of automatic document processor using the chart printed from the machine</td> <td data-bbox="1096 1400 1399 1512">-</td> </tr> </tbody> </table> <p data-bbox="288 1554 600 1585">Method: [Table (Chart1)]</p> <p data-bbox="288 1590 745 1619">To automatically enter the target value</p> <p data-bbox="336 1624 766 1653">* : Select this option for normal use.</p> <ol data-bbox="308 1657 1010 1861" style="list-style-type: none"> 1. Set a specified original (P/N: 7505000005) on the platen. 2. Enter maintenance item U411. 3. Select [Target]. 4. Select [Auto] and press the start key. 5. Select [Table (Chart1)]. 6. Select the item. <p data-bbox="336 1865 673 1895">* : Select All for normal use.</p>	Display	Description	Original to be used for adjustment (P/N)	Table (Chart1)	Automatic adjustment in the scanner section (chart 1)	7505000005	DP FaceUp (Chart1)	Do not use. Automatic adjustment in the DP scanning section (first side) (chart 1)	7505000005	DP FaceDown (Chart1)	Automatic adjustment in the DP scanning section (second side) (chart 1)	7505000005	Table (Chart2)	Automatic adjustment in the scanner section (chart 2)	302FZ56990	DP FaceUp (Chart2)	Automatic adjustment in the DP scanning section (first side) (chart 2)	302AC68243	DP FaceDown (Chart2)	Automatic adjustment in the DP scanning section (second side) (chart 2)	302AC68243/ 303JX57010/ 303JX57020	Target	Set-up for obtaining the target value	-	DP Auto Adj	Automatic adjustment of automatic document processor using the chart printed from the machine	-
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DP Auto Adj	Automatic adjustment of automatic document processor using the chart printed from the machine	-																										

Item No.	Description																						
U411	<table border="1" data-bbox="336 286 1401 752"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 639 376">All</td> <td data-bbox="639 331 1401 376">Executing the all scanner adjustment</td> </tr> <tr> <td data-bbox="336 376 639 421">LED/AGC</td> <td data-bbox="639 376 1401 421">Executing the adjustment for LED light quantity/AGC</td> </tr> <tr> <td data-bbox="336 421 639 465">White</td> <td data-bbox="639 421 1401 465">Executing the white reference compensation coefficient</td> </tr> <tr> <td data-bbox="336 465 639 555">Input</td> <td data-bbox="639 465 1401 555">Executing the adjustment for magnification, leading edge timing and center line</td> </tr> <tr> <td data-bbox="336 555 639 600">C.A.</td> <td data-bbox="639 555 1401 600">Executing the adjustment for chromatic aberration filter</td> </tr> <tr> <td data-bbox="336 600 639 645">MTF</td> <td data-bbox="639 600 1401 645">Executing the adjustment for MTF filter</td> </tr> <tr> <td data-bbox="336 645 639 689">Gamma</td> <td data-bbox="639 645 1401 689">Executing the adjustment for input gamma</td> </tr> <tr> <td data-bbox="336 689 639 752">Matrix</td> <td data-bbox="639 689 1401 752">Executing the adjustment for matrix</td> </tr> </tbody> </table> <p data-bbox="304 763 1409 1384"> 7. Press the start key. Auto adjustment starts. * : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning. * : If the target values are not obtainable automatically, manually enter the following target values in the following manner and perform adjustment. 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the platen. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [Table (Chart1)]. 7. Select the item. * : Select All for normal use. 8. Press the start key. Auto adjustment starts. </p> <p data-bbox="288 1420 671 1451">Method: [DP FaceUp (Chart1)]</p> <p data-bbox="288 1456 743 1487">To automatically enter the target value</p> <ol data-bbox="304 1491 1066 1693" style="list-style-type: none"> 1. Set a specified original (P/N: 7505000005) on the DP face up. 2. Enter maintenance item U411. 3. Select [Target]. 4. Select [Auto] and press the start key. 5. Select [DP FaceUp (Chart1)]. 6. Select [Input]. <table border="1" data-bbox="336 1738 1401 1836"> <thead> <tr> <th data-bbox="336 1738 639 1783">Display</th> <th data-bbox="639 1738 1401 1783">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1783 639 1836">Input</td> <td data-bbox="639 1783 1401 1836">Executing the adjustment for input gamma and matrix</td> </tr> </tbody> </table> <p data-bbox="304 1848 1409 2013"> 7. Press the start key. Auto adjustment starts. * : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning. </p>	Display	Description	All	Executing the all scanner adjustment	LED/AGC	Executing the adjustment for LED light quantity/AGC	White	Executing the white reference compensation coefficient	Input	Executing the adjustment for magnification, leading edge timing and center line	C.A.	Executing the adjustment for chromatic aberration filter	MTF	Executing the adjustment for MTF filter	Gamma	Executing the adjustment for input gamma	Matrix	Executing the adjustment for matrix	Display	Description	Input	Executing the adjustment for input gamma and matrix
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LED/AGC	Executing the adjustment for LED light quantity/AGC																						
White	Executing the white reference compensation coefficient																						
Input	Executing the adjustment for magnification, leading edge timing and center line																						
C.A.	Executing the adjustment for chromatic aberration filter																						
MTF	Executing the adjustment for MTF filter																						
Gamma	Executing the adjustment for input gamma																						
Matrix	Executing the adjustment for matrix																						
Display	Description																						
Input	Executing the adjustment for input gamma and matrix																						

Item No.	Description				
<p>U411</p>	<p>* : If the target values are not obtainable automatically, manually enter the following target values in the following manner and perform adjustment.</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the DP face up. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [DP FaceUp (Chart1)]. 7. Select [Input]. 8. Press the start key. Auto adjustment starts. <p>Method: [DP FaceDown (Chart1)] To automatically enter the target value</p> <ol style="list-style-type: none"> 1. Set a specified original (P/N: 7505000005) on the DP face down. 2. Enter maintenance item U411. 3. Select [Target]. 4. Select [Auto] and press the start key. 5. Select [DP FaceDown (Chart1)]. 6. Select [All]. <table border="1" data-bbox="336 976 1401 1144"> <thead> <tr> <th data-bbox="336 976 639 1021">Display</th> <th data-bbox="639 976 1401 1021">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1021 639 1144">All</td> <td data-bbox="639 1021 1401 1144">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Press the start key. Auto adjustment starts. <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>* : If the target values are not obtainable automatically, manually enter the following target values in the following manner and perform adjustment.</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown at the bottom of the specified original (P/N: 7505000005) executing maintenance item U425. 2. Set a specified original on the DP face down. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [DP FaceDown (Chart1)]. 7. Select [All]. 8. Press the start key. Auto adjustment starts. 	Display	Description	All	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix
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Item No.	Description																		
<p>U411</p>	<p>Method: [Table (Chart2)]</p> <ol style="list-style-type: none"> 1. Enter the target values which are shown on the back of the specified original (P/N: 302FZ56990) executing maintenance item U425. 2. Set a specified original on the platen. 3. Enter maintenance item U411. 4. Select [Target]. 5. Select [U425] and press the start key. 6. Select [Table (Chart2)]. 7. Select the item. <table border="1" data-bbox="336 562 1401 931"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>All</td> <td>Executing the all scanner adjustment</td> </tr> <tr> <td>Input</td> <td>Executing the adjustment for magnification, leading edge timing and center line</td> </tr> <tr> <td>C.A.</td> <td>Executing the adjustment for chromatic aberration filter</td> </tr> <tr> <td>MTF</td> <td>Executing the adjustment for MTF filter</td> </tr> <tr> <td>Gamma</td> <td>Executing the adjustment for input gamma</td> </tr> <tr> <td>Matrix</td> <td>Executing the adjustment for matrix</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Press the start key. Auto adjustment starts. <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Method: [DP FaceUp (Chart2)]</p> <ol style="list-style-type: none"> 1. Set a specified original (P/N: 302AC68243) on the DP. Cut the trailing edge of the original. <div data-bbox="507 1272 1209 1496" data-label="Diagram"> </div> <p style="text-align: center;">Figure 1-3-40</p> <ol style="list-style-type: none"> 2. Enter maintenance item U411. 3. Select [Target]. 4. Select [U425] and press the start key. 5. Select [DP FaceUp (Chart2)]. 6. Select [INPUT]. <table border="1" data-bbox="336 1742 1401 1877"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td>Executing the adjustment in the DP scanning section (first side) for magnification, leading edge timing and center line</td> </tr> </tbody> </table>	Display	Description	All	Executing the all scanner adjustment	Input	Executing the adjustment for magnification, leading edge timing and center line	C.A.	Executing the adjustment for chromatic aberration filter	MTF	Executing the adjustment for MTF filter	Gamma	Executing the adjustment for input gamma	Matrix	Executing the adjustment for matrix	Display	Description	Input	Executing the adjustment in the DP scanning section (first side) for magnification, leading edge timing and center line
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U411	<p>7. Press the start key. Auto adjustment starts.</p> <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Method: [DP FaceDown (Chart2)]</p> <ol style="list-style-type: none"> Place the specified original for acquiring gamma target data (P/N: 303JX57010) on the platen, and press the start key. Place the specified original for acquiring matrix target data (P/N: 303JX57020) on the platen, and press the start key. When normally completed, [OK] is displayed. Select the item. <table border="1" data-bbox="336 701 1401 1319"> <thead> <tr> <th data-bbox="336 701 564 781">Display</th> <th data-bbox="564 701 1098 781">Description</th> <th data-bbox="1098 701 1401 781">Original to be used for adjustment (P/N)</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 781 564 936">All</td> <td data-bbox="564 781 1098 936">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix</td> <td data-bbox="1098 781 1401 936">302AC68243/ 303JX57010/ 303JX57020</td> </tr> <tr> <td data-bbox="336 936 564 1050">Input</td> <td data-bbox="564 936 1098 1050">Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing and center line</td> <td data-bbox="1098 936 1401 1050">302AC68243</td> </tr> <tr> <td data-bbox="336 1050 564 1167">MTF/Gamma</td> <td data-bbox="564 1050 1098 1167">Executing the adjustment in the DP scanning section (second side) for MTF filter and input gamma</td> <td data-bbox="1098 1050 1401 1167">303JX57010</td> </tr> <tr> <td data-bbox="336 1167 564 1319">Matrix</td> <td data-bbox="564 1167 1098 1319">Executing the adjustment in the DP scanning section (second side) for matrix (When there is no Chart 2 (302AC68243), it performs in simple.)</td> <td data-bbox="1098 1167 1401 1319">303JX57020</td> </tr> </tbody> </table> <p>[Input]</p> <ol style="list-style-type: none"> Select [Input]. Set a specified original (P/N: 302AC6824) on the DP face down. Press the start key. Auto adjustment starts. <p>[MTF/Gamma]</p> <ol style="list-style-type: none"> Select [MTF/Gamma]. Set a specified original (P/N: 303JX57010) on the DP face down. Press the start key. Auto adjustment starts. <p>[Matrix]</p> <ol style="list-style-type: none"> Select [Matrix]. Set a specified original (P/N: 303JX57020) on the DP face down. Press the start key. Auto adjustment starts. <p>When [ALL] is selected, the adjustment of [Input], [MTF/Gamma] and [Matrix] can be executed at once. When adjusting, place the three specified originals on the DP face down, and then press the start key. Set the original 303JX57020, and then place 303JX57010 and 302AC68243 in order on the top of the original.</p>	Display	Description	Original to be used for adjustment (P/N)	All	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing, center line, MTF filter, input gamma and matrix	302AC68243/ 303JX57010/ 303JX57020	Input	Executing the adjustment in the DP scanning section (second side) for magnification, leading edge timing and center line	302AC68243	MTF/Gamma	Executing the adjustment in the DP scanning section (second side) for MTF filter and input gamma	303JX57010	Matrix	Executing the adjustment in the DP scanning section (second side) for matrix (When there is no Chart 2 (302AC68243), it performs in simple.)	303JX57020
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U411	<p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Method: [DP Auto Adj] * : When there is no Chart 2 (302AC68243), it performs in simple.</p> <ol style="list-style-type: none"> 1. Load A4/letter paper. 2. Press the start key to output the original for adjustment. 3. Set the output the original for adjustment and press the start key. 4. Set the output the original for adjustment on the DP face up. 5. Press the start key to scan documents. 6. Press the start key. Auto adjustment of first side starts. 7. Set the output the original for adjustment on the DP face down. 8. Press the start key to scan documents. 9. Press the start key. Auto adjustment of second side starts. <p>* : When automatic adjustment has normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed and operation stops. Should this happen, determine the details of the problem and repeat the procedure from the beginning.</p> <p>Error Codes</p> <table border="1" data-bbox="336 976 1401 1991"> <thead> <tr> <th data-bbox="336 976 451 1021">Codes</th> <th data-bbox="451 976 1401 1021">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1021 451 1111">01</td> <td data-bbox="451 1021 1401 1111">Black band detection error (scanner auxiliary scanning direction leading edge skew)</td> </tr> <tr> <td data-bbox="336 1111 451 1155">02</td> <td data-bbox="451 1111 1401 1155">Black band detection error (scanner main scanning direction far end skew)</td> </tr> <tr> <td data-bbox="336 1155 451 1200">03</td> <td data-bbox="451 1155 1401 1200">Black band detection error (scanner main scanning direction near end skew)</td> </tr> <tr> <td data-bbox="336 1200 451 1290">03</td> <td data-bbox="451 1200 1401 1290">Black band detection error (scanner auxiliary scanning direction trailing edge skew)</td> </tr> <tr> <td data-bbox="336 1290 451 1335">04</td> <td data-bbox="451 1290 1401 1335">Black band is not detected (scanner auxiliary scanning direction leading edge)</td> </tr> <tr> <td data-bbox="336 1335 451 1379">05</td> <td data-bbox="451 1335 1401 1379">Black band is not detected (scanner main scanning direction far end)</td> </tr> <tr> <td data-bbox="336 1379 451 1424">06</td> <td data-bbox="451 1379 1401 1424">Black band is not detected (scanner main scanning direction near end)</td> </tr> <tr> <td data-bbox="336 1424 451 1469">07</td> <td data-bbox="451 1424 1401 1469">Black band is not detected (scanner auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1469 451 1514">08</td> <td data-bbox="451 1469 1401 1514">Black band is not detected (DP main scanning direction far end)</td> </tr> <tr> <td data-bbox="336 1514 451 1559">09</td> <td data-bbox="451 1514 1401 1559">Black band is not detected (DP main scanning direction near end)</td> </tr> <tr> <td data-bbox="336 1559 451 1603">0a</td> <td data-bbox="451 1559 1401 1603">Black band is not detected (DP auxiliary scanning direction leading edge)</td> </tr> <tr> <td data-bbox="336 1603 451 1693">0b</td> <td data-bbox="451 1603 1401 1693">Black band is not detected (DP auxiliary scanning direction leading edge original check)</td> </tr> <tr> <td data-bbox="336 1693 451 1738">0c</td> <td data-bbox="451 1693 1401 1738">Black band is not detected (DP auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1738 451 1783">0d</td> <td data-bbox="451 1738 1401 1783">White band is not detected (DP auxiliary scanning direction trailing edge)</td> </tr> <tr> <td data-bbox="336 1783 451 1827">0e</td> <td data-bbox="451 1783 1401 1827">DMA time out</td> </tr> <tr> <td data-bbox="336 1827 451 1872">0f</td> <td data-bbox="451 1827 1401 1872">Auxiliary scanning direction magnification error</td> </tr> <tr> <td data-bbox="336 1872 451 1917">10</td> <td data-bbox="451 1872 1401 1917">Auxiliary scanning direction leading edge error</td> </tr> <tr> <td data-bbox="336 1917 451 1991">11</td> <td data-bbox="451 1917 1401 1991">Auxiliary scanning direction trailing edge error</td> </tr> </tbody> </table>	Codes	Description	01	Black band detection error (scanner auxiliary scanning direction leading edge skew)	02	Black band detection error (scanner main scanning direction far end skew)	03	Black band detection error (scanner main scanning direction near end skew)	03	Black band detection error (scanner auxiliary scanning direction trailing edge skew)	04	Black band is not detected (scanner auxiliary scanning direction leading edge)	05	Black band is not detected (scanner main scanning direction far end)	06	Black band is not detected (scanner main scanning direction near end)	07	Black band is not detected (scanner auxiliary scanning direction trailing edge)	08	Black band is not detected (DP main scanning direction far end)	09	Black band is not detected (DP main scanning direction near end)	0a	Black band is not detected (DP auxiliary scanning direction leading edge)	0b	Black band is not detected (DP auxiliary scanning direction leading edge original check)	0c	Black band is not detected (DP auxiliary scanning direction trailing edge)	0d	White band is not detected (DP auxiliary scanning direction trailing edge)	0e	DMA time out	0f	Auxiliary scanning direction magnification error	10	Auxiliary scanning direction leading edge error	11	Auxiliary scanning direction trailing edge error
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U411	<p data-bbox="335 241 494 268">Error Codes</p> <table border="1" data-bbox="335 280 1399 1052"> <thead> <tr> <th data-bbox="343 291 446 324">Codes</th> <th data-bbox="446 291 1391 324">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 336 446 369">12</td> <td data-bbox="446 336 1391 369">DP uxiliary scanning direction skew error</td> </tr> <tr> <td data-bbox="343 380 446 414">13</td> <td data-bbox="446 380 1391 414">Maintenance request error</td> </tr> <tr> <td data-bbox="343 425 446 459">14</td> <td data-bbox="446 425 1391 459">Main scanning direction center line error</td> </tr> <tr> <td data-bbox="343 470 446 504">15</td> <td data-bbox="446 470 1391 504">DP main scanning direction skew error</td> </tr> <tr> <td data-bbox="343 515 446 548">16</td> <td data-bbox="446 515 1391 548">Main scanning direction magnification error</td> </tr> <tr> <td data-bbox="343 560 446 593">17</td> <td data-bbox="446 560 1391 593">Service call error</td> </tr> <tr> <td data-bbox="343 604 446 638">18</td> <td data-bbox="446 604 1391 638">DP paper misfeed error</td> </tr> <tr> <td data-bbox="343 649 446 683">19</td> <td data-bbox="446 649 1391 683">PWB replacement error</td> </tr> <tr> <td data-bbox="343 694 446 728">1a</td> <td data-bbox="446 694 1391 728">Original error</td> </tr> <tr> <td data-bbox="343 739 446 772">1b</td> <td data-bbox="446 739 1391 772">Input gamma adjustment original error</td> </tr> <tr> <td data-bbox="343 784 446 817">1c</td> <td data-bbox="446 784 1391 817">Matrix adjustment original error</td> </tr> <tr> <td data-bbox="343 828 446 862">1d</td> <td data-bbox="446 828 1391 862">Original for the white reference compensation coefficient error</td> </tr> <tr> <td data-bbox="343 873 446 907">1e</td> <td data-bbox="446 873 1391 907">Lab value searching error</td> </tr> <tr> <td data-bbox="343 918 446 952">1f</td> <td data-bbox="446 918 1391 952">Lab value comparing error</td> </tr> <tr> <td data-bbox="343 963 446 996">63</td> <td data-bbox="446 963 1391 996">Completed to obtain a test RAW</td> </tr> </tbody> </table> <p data-bbox="287 1097 438 1131">Completion</p> <p data-bbox="287 1131 1252 1164">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Codes	Description	12	DP uxiliary scanning direction skew error	13	Maintenance request error	14	Main scanning direction center line error	15	DP main scanning direction skew error	16	Main scanning direction magnification error	17	Service call error	18	DP paper misfeed error	19	PWB replacement error	1a	Original error	1b	Input gamma adjustment original error	1c	Matrix adjustment original error	1d	Original for the white reference compensation coefficient error	1e	Lab value searching error	1f	Lab value comparing error	63	Completed to obtain a test RAW
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U415	<p data-bbox="288 241 821 275">Adjusting the print position automatically</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 991 412">Automatically adjusts timings at the print engine. Adjustment for leading edge timing, center line and margin.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1034 479">Used to make respective auto adjustments for the print engine.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1145 860" style="list-style-type: none"> 1. Load A3/ledger paper. 2. Press the start key. 3. Select [Execute]. 4. Press the start key. A test pattern is outputted 5. Set the output test pattern as the original. 6. Press the start key. Automatically performs adjustment from the top to bottom cassettes. 7. When normally completed, [OK] is displayed. If a problem occurs during auto adjustment, error code is displayed. <p data-bbox="336 898 491 927">Error Codes</p> <table border="1" data-bbox="336 943 1401 1854"> <thead> <tr> <th data-bbox="336 943 549 987">Codes</th> <th data-bbox="549 943 1401 987">Description</th> </tr> </thead> <tbody> <tr><td>S001</td><td>Black band is not detected (main scanning direction far end)</td></tr> <tr><td>S002</td><td>Black band is not detected (main scanning direction near end)</td></tr> <tr><td>S003</td><td>Black band is not detected (auxiliary scanning direction leading edge)</td></tr> <tr><td>S004</td><td>Black band is not detected (auxiliary scanning direction trailing edge)</td></tr> <tr><td>S005</td><td>Auxiliary scanning direction skew error (1.5 mm or more)</td></tr> <tr><td>S006</td><td>Main scanning direction skew error (1.5 mm or more)</td></tr> <tr><td>S007</td><td>Original error (detection of reverse original paper)</td></tr> <tr><td>S008</td><td>Original error (page mismatch)</td></tr> <tr><td>SFFF</td><td>Scanner other error</td></tr> <tr><td>C101</td><td>Adjustment value error (main scanning direction magnification)</td></tr> <tr><td>C102</td><td>Adjustment value error (auxiliary scanning direction magnification)</td></tr> <tr><td>C103</td><td>Adjustment value error (leading edge timing)</td></tr> <tr><td>C104</td><td>Adjustment value error (center line)</td></tr> <tr><td>C105</td><td>Adjustment value error (B margin)</td></tr> <tr><td>C106</td><td>Adjustment value error (A margin)</td></tr> <tr><td>C107</td><td>Adjustment value error (C margin)</td></tr> <tr><td>C108</td><td>Adjustment value error (D margin)</td></tr> <tr><td>CFFF</td><td>Controller other error</td></tr> </tbody> </table> <p data-bbox="288 1895 440 1924">Completion</p> <p data-bbox="288 1928 1254 1957">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Codes	Description	S001	Black band is not detected (main scanning direction far end)	S002	Black band is not detected (main scanning direction near end)	S003	Black band is not detected (auxiliary scanning direction leading edge)	S004	Black band is not detected (auxiliary scanning direction trailing edge)	S005	Auxiliary scanning direction skew error (1.5 mm or more)	S006	Main scanning direction skew error (1.5 mm or more)	S007	Original error (detection of reverse original paper)	S008	Original error (page mismatch)	SFFF	Scanner other error	C101	Adjustment value error (main scanning direction magnification)	C102	Adjustment value error (auxiliary scanning direction magnification)	C103	Adjustment value error (leading edge timing)	C104	Adjustment value error (center line)	C105	Adjustment value error (B margin)	C106	Adjustment value error (A margin)	C107	Adjustment value error (C margin)	C108	Adjustment value error (D margin)	CFFF	Controller other error
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Item No.	Description																																												
U425	<p data-bbox="288 241 512 275">Setting the target</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1254 412">Enters the lab values that is indicated of the chart 1 (P/N: 7505000005) or chart 2 (P/N: 302FZ56990) used for adjustment.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1406 479">Performs data input in order to correct for differences in originals during automatic adjustment.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 555 663 618" style="list-style-type: none"> 1. Press the start key. 2. Select the chart to be used. <table border="1" data-bbox="336 631 1401 777"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Chart1</td> <td data-bbox="639 676 1401 721">Chart 1 (P/N: 7505000005)</td> </tr> <tr> <td data-bbox="336 721 639 777">Chart2</td> <td data-bbox="639 721 1401 777">Chart 2 (P/N: 302FZ56990)</td> </tr> </tbody> </table> <p data-bbox="288 817 507 846">Method: [Chart1]</p> <ol data-bbox="304 855 632 916" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 929 1401 1554"> <thead> <tr> <th data-bbox="336 929 639 974">Display</th> <th data-bbox="639 929 1401 974">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 974 639 1019">White</td> <td data-bbox="639 974 1401 1019">Setting the white patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1019 639 1064">Black</td> <td data-bbox="639 1019 1401 1064">Setting the black patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1064 639 1108">Gray1</td> <td data-bbox="639 1064 1401 1108">Setting the Gray1 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1108 639 1153">Gray2</td> <td data-bbox="639 1108 1401 1153">Setting the Gray2 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1153 639 1198">Gray3</td> <td data-bbox="639 1153 1401 1198">Setting the Gray3 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1198 639 1243">C</td> <td data-bbox="639 1198 1401 1243">Setting the cyan patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1243 639 1288">M</td> <td data-bbox="639 1243 1401 1288">Setting the magenta patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1288 639 1332">Y</td> <td data-bbox="639 1288 1401 1332">Setting the yellow patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1332 639 1377">R</td> <td data-bbox="639 1332 1401 1377">Setting the red patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1377 639 1422">G</td> <td data-bbox="639 1377 1401 1422">Setting the green patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1422 639 1467">B</td> <td data-bbox="639 1422 1401 1467">Setting the blue patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1467 639 1554">Adjust Original</td> <td data-bbox="639 1467 1401 1554">Setting the main and auxiliary scanning directions</td> </tr> </tbody> </table> <ol data-bbox="304 1563 632 1592" style="list-style-type: none"> 3. Select the item to be set. <table border="1" data-bbox="336 1606 1401 1798"> <thead> <tr> <th data-bbox="336 1606 639 1650">Display</th> <th data-bbox="639 1606 1019 1650">Description</th> <th data-bbox="1019 1606 1401 1650">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1650 639 1695">L</td> <td data-bbox="639 1650 1019 1695">Setting the L value</td> <td data-bbox="1019 1650 1401 1695">0.0 to 100.0</td> </tr> <tr> <td data-bbox="336 1695 639 1740">a</td> <td data-bbox="639 1695 1019 1740">Setting the a value</td> <td data-bbox="1019 1695 1401 1740">-200.0 to 200.0</td> </tr> <tr> <td data-bbox="336 1740 639 1798">b</td> <td data-bbox="639 1740 1019 1798">Setting the b value</td> <td data-bbox="1019 1740 1401 1798">-200.0 to 200.0</td> </tr> </tbody> </table> <ol data-bbox="304 1807 1430 1870" style="list-style-type: none"> 4. Enters the value that is indicated on the face of the chart using the +/- keys or numeric keys. 5. Press the start key. The value is set. 	Display	Description	Chart1	Chart 1 (P/N: 7505000005)	Chart2	Chart 2 (P/N: 302FZ56990)	Display	Description	White	Setting the white patch for the original for adjustment	Black	Setting the black patch for the original for adjustment	Gray1	Setting the Gray1 patch for the original for adjustment	Gray2	Setting the Gray2 patch for the original for adjustment	Gray3	Setting the Gray3 patch for the original for adjustment	C	Setting the cyan patch for the original for adjustment	M	Setting the magenta patch for the original for adjustment	Y	Setting the yellow patch for the original for adjustment	R	Setting the red patch for the original for adjustment	G	Setting the green patch for the original for adjustment	B	Setting the blue patch for the original for adjustment	Adjust Original	Setting the main and auxiliary scanning directions	Display	Description	Setting range	L	Setting the L value	0.0 to 100.0	a	Setting the a value	-200.0 to 200.0	b	Setting the b value	-200.0 to 200.0
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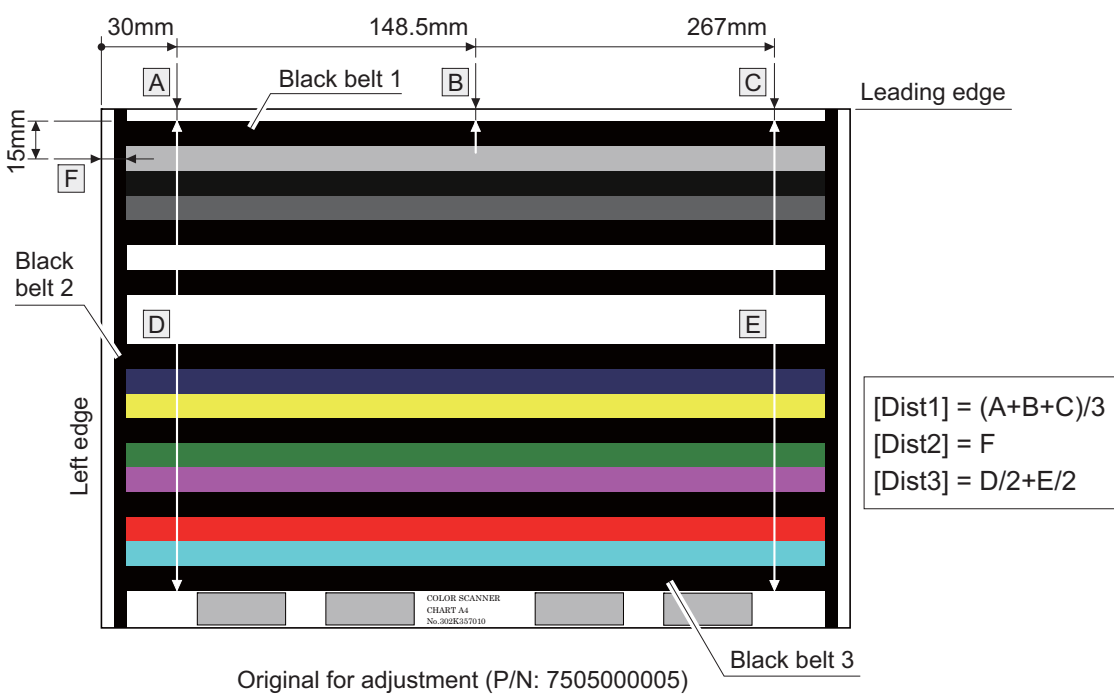
Item No.	Description
U425	<p>Setting: [Adjust Original]</p> <p>* : This setting is usually unnecessary.</p> <ol style="list-style-type: none"> 1. Measure the distance from the leading edge to the top of black belt 1 of the original at A, B and C. Measurement procedure <ol style="list-style-type: none"> 1) Measure the distance from the leading edge to the top of black belt 1 of the original at A (30 mm from the left edge), B (148.5 mm from the left edge) and C (267 mm from the left edge), respectively. 2) Apply the following formula for the values obtained: $((A + B + C) / 3)$ 2. Enter the values solved using the cursor left/right keys or numeric keys in [Dist1]. 3. Press the start key. The value is set. 4. Measure the distance from the left edge to the right edge black belt 2 of the original at F. Measurement procedure <ol style="list-style-type: none"> 1) Measure the distance from the left edge to the right edge black belt 2 of the original at F (15 mm from the top edge of black belt 1). 5. Enter the values using the cursor left/right keys or numeric keys in [Dist2]. 6. Press the start key. The value is set. 7. Measure the distance from the top edge of black belt 1 to the bottom of black belt 3 of the original at D and E. Measurement procedure <ol style="list-style-type: none"> 1) Measure the distance from the top edge of black belt 1 to the bottom of black belt 3 of the original at D (30 mm from the left edge) and E (267 mm from the left edge), respectively. 2) Apply the following formula for the values obtained: $(D/2 + E/2)$ 8. Enter the measured value using the cursor left/right keys or numeric keys in [Dist3]. 9. Press the start key. The value is set.  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>[Dist1] = $(A+B+C)/3$ [Dist2] = F [Dist3] = $D/2+E/2$</p> </div> <p style="text-align: center;">Original for adjustment (P/N: 7505000005)</p>

Figure 1-3-41

Item No.	Description																																								
U425	<p data-bbox="288 241 507 271">Method: [Chart2]</p> <p data-bbox="288 277 564 338">1. Press the start key. 2. Select the item.</p> <table border="1" data-bbox="336 353 1401 568"> <thead> <tr> <th data-bbox="336 353 639 398">Display</th> <th data-bbox="639 353 1401 398">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 398 639 488">CCD</td> <td data-bbox="639 398 1401 488">Entering the target values of the chart (P/N: 302FZ56990) used for adjustment</td> </tr> <tr> <td data-bbox="336 488 639 568">DP</td> <td data-bbox="639 488 1401 568">Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment</td> </tr> </tbody> </table> <p data-bbox="288 622 480 651">Method: [CCD]</p> <p data-bbox="288 658 632 687">1. Select the item to be set.</p> <table border="1" data-bbox="336 696 1401 1225"> <thead> <tr> <th data-bbox="336 696 639 741">Display</th> <th data-bbox="639 696 1401 741">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 741 639 786">N875</td> <td data-bbox="639 741 1401 786">Setting the N875 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 786 639 831">N475</td> <td data-bbox="639 786 1401 831">Setting the N475 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 831 639 875">N125</td> <td data-bbox="639 831 1401 875">Setting the N125 patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 875 639 920">C</td> <td data-bbox="639 875 1401 920">Setting the cyan patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 920 639 965">M</td> <td data-bbox="639 920 1401 965">Setting the magenta patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 965 639 1010">Y</td> <td data-bbox="639 965 1401 1010">Setting the yellow patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1010 639 1055">R</td> <td data-bbox="639 1010 1401 1055">Setting the red patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1055 639 1099">G</td> <td data-bbox="639 1055 1401 1099">Setting the green patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1099 639 1144">B</td> <td data-bbox="639 1099 1401 1144">Setting the blue patch for the original for adjustment</td> </tr> <tr> <td data-bbox="336 1144 639 1225">Adjust Original</td> <td data-bbox="639 1144 1401 1225">Setting the main and auxiliary scanning directions</td> </tr> </tbody> </table> <p data-bbox="288 1240 632 1270">2. Select the item to be set.</p> <table border="1" data-bbox="336 1279 1401 1471"> <thead> <tr> <th data-bbox="336 1279 639 1323">Display</th> <th data-bbox="639 1279 1018 1323">Description</th> <th data-bbox="1018 1279 1401 1323">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1323 639 1368">L</td> <td data-bbox="639 1323 1018 1368">Setting the L value</td> <td data-bbox="1018 1323 1401 1368">0.0 to 100.0</td> </tr> <tr> <td data-bbox="336 1368 639 1413">a</td> <td data-bbox="639 1368 1018 1413">Setting the a value</td> <td data-bbox="1018 1368 1401 1413">-200.0 to 200.0</td> </tr> <tr> <td data-bbox="336 1413 639 1471">b</td> <td data-bbox="639 1413 1018 1471">Setting the b value</td> <td data-bbox="1018 1413 1401 1471">-200.0 to 200.0</td> </tr> </tbody> </table> <p data-bbox="288 1487 1430 1547">3. Enters the value that is indicated on the back of the chart using the +/- keys or numeric keys. 4. Press the start key. The value is set.</p>	Display	Description	CCD	Entering the target values of the chart (P/N: 302FZ56990) used for adjustment	DP	Entering the measurement value of the chart (P/N: 302AC68243) used for adjustment	Display	Description	N875	Setting the N875 patch for the original for adjustment	N475	Setting the N475 patch for the original for adjustment	N125	Setting the N125 patch for the original for adjustment	C	Setting the cyan patch for the original for adjustment	M	Setting the magenta patch for the original for adjustment	Y	Setting the yellow patch for the original for adjustment	R	Setting the red patch for the original for adjustment	G	Setting the green patch for the original for adjustment	B	Setting the blue patch for the original for adjustment	Adjust Original	Setting the main and auxiliary scanning directions	Display	Description	Setting range	L	Setting the L value	0.0 to 100.0	a	Setting the a value	-200.0 to 200.0	b	Setting the b value	-200.0 to 200.0
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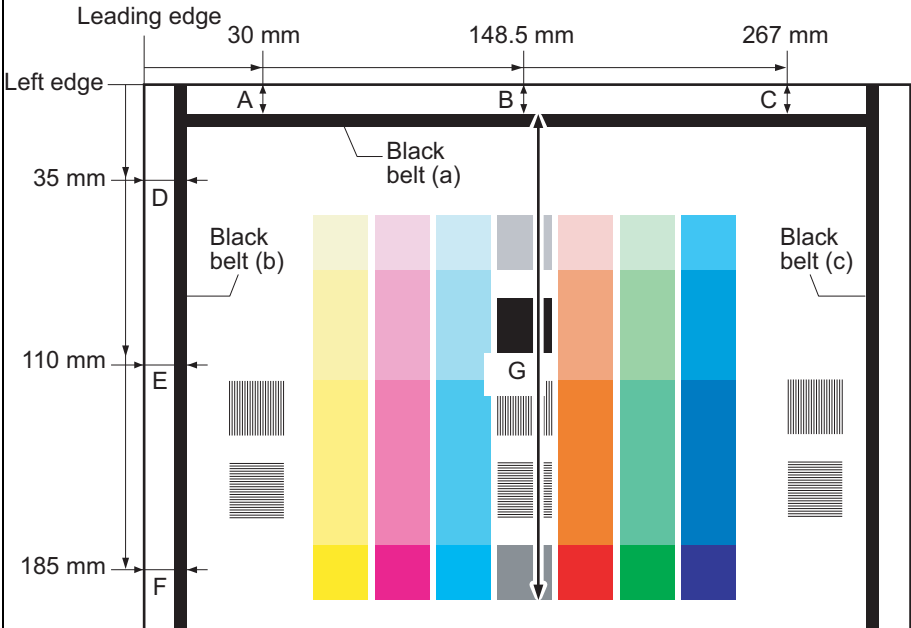
Item No.	Description
U425	<p>Setting: [Adjust Original]</p> <p>* : This setting is usually unnecessary.</p> <ol style="list-style-type: none"> Measure the distance from the left edge to the black belt (a) of the original at A, B and C. Measurement procedure <ol style="list-style-type: none"> Measure the distance from the edge to the black belt (a) of the original at A (30 mm from the leading edge), B (148.5 mm from the leading edge) and C (267 mm from the leading edge), respectively. Apply the following formula for the values obtained: $((A + C) / 2 + B) / 2$ Enter the values solved using the +/- keys or numeric keys in [Lead]. Press the start key. The value is set. Measure the distance from the leading edge to the black belt (b) of the original at D, E and F. Measurement procedure <ol style="list-style-type: none"> Measure the distance from the edge to the black belt (b) of the original at D (35 mm from the left edge), E (110 mm from the left edge) and F (185 mm from the left edge), respectively. Apply the following formula for the values obtained: $((D + F) / 2 + E) / 2$ Enter the values solved using the +/- keys or numeric keys in [Main Scan]. Press the start key. The value is set. Measure the length (G) from the edge of the black belt (a) to edge of N475 of the original. Enter the measured value using the +/- keys or numeric keys in [Sub Scan]. Press the start key. The value is set. <div style="text-align: center;">  <p>Original for adjustment (P/N: 302FZ56990)</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto; margin-right: auto;"> <p>[Lead] = $((A + C) / 2 + B) / 2$</p> <p>[Main Scan] = $((D + F) / 2 + E) / 2$</p> <p>[Sub Scan] = G</p> </div>

Figure 1-3-42

Item No.	Description
U425	<p>Setting: [DP] * : This setting is usually unnecessary.</p> <ol style="list-style-type: none"> 1. Measure the distance from the leading edge to the black belt (inside) of the original at A. 2. Enter the measured value using the +/- keys or numeric keys in [Lead]. 3. Measure the distance from the left edge to the black belt (inside) of the original at B. 4. Enter the measured value using the +/- keys or numeric keys in [Main Scan]. 5. Measure the distance from the black belt of leading edge (inside) to the black belt of trailing edge (inside) of the original at C. 6. Enter the measured value using the +/- keys or numeric keys in [Sub Scan]. 7. Press the start key. The value is set. <div data-bbox="683 683 1077 1198" style="text-align: center;"> </div> <p style="text-align: center;">Original for adjustment (P/N: 302AC68243)</p> <p style="text-align: center;">Figure 1-3-43</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																																		
U429	<p data-bbox="290 241 783 271">Setting the offset for the color balance</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 1374 409">Displays and changes the density for each color during copying in the various image quality modes.</p> <p data-bbox="290 414 400 443">Purpose</p> <p data-bbox="290 448 735 477">To change the balance for each color.</p> <p data-bbox="290 517 387 546">Method</p> <ol data-bbox="304 551 703 616" style="list-style-type: none"> 1. Press the start key. 2. Select the image quality mode. <table border="1" data-bbox="336 629 1401 965"> <thead> <tr> <th data-bbox="336 629 639 674">Display</th> <th data-bbox="639 629 1401 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 639 719">Text+Photo</td> <td data-bbox="639 674 1401 719">Density of each color in the text & photo mode</td> </tr> <tr> <td data-bbox="336 719 639 763">Photo</td> <td data-bbox="639 719 1401 763">Density of each color in the photo mode</td> </tr> <tr> <td data-bbox="336 763 639 808">Photo/Printout</td> <td data-bbox="639 763 1401 808">Density of each color in the printed photo mode</td> </tr> <tr> <td data-bbox="336 808 639 853">Text</td> <td data-bbox="639 808 1401 853">Density of each color in the text mode</td> </tr> <tr> <td data-bbox="336 853 639 898">Graphics/Map</td> <td data-bbox="639 853 1401 898">Density of each color in the map mode</td> </tr> <tr> <td data-bbox="336 898 639 965">Copy/Printout</td> <td data-bbox="639 898 1401 965">Density of each color in the printed document mode</td> </tr> </tbody> </table> <p data-bbox="290 1010 384 1039">Setting</p> <ol data-bbox="304 1043 1054 1108" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1122 1401 1397"> <thead> <tr> <th data-bbox="336 1122 528 1205">Display</th> <th data-bbox="528 1122 983 1205">Description</th> <th data-bbox="983 1122 1249 1205">Setting range</th> <th data-bbox="1249 1122 1401 1205">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1205 528 1249">C</td> <td data-bbox="528 1205 983 1249">Value of the cyan setting</td> <td data-bbox="983 1205 1249 1249">-5 to 5 (0 to 10*)</td> <td data-bbox="1249 1205 1401 1249">0 (5°)</td> </tr> <tr> <td data-bbox="336 1249 528 1294">M</td> <td data-bbox="528 1249 983 1294">Value of the magenta setting</td> <td data-bbox="983 1249 1249 1294">-5 to 5 (0 to 10*)</td> <td data-bbox="1249 1249 1401 1294">0 (5°)</td> </tr> <tr> <td data-bbox="336 1294 528 1339">Y</td> <td data-bbox="528 1294 983 1339">Value of the yellow setting</td> <td data-bbox="983 1294 1249 1339">-5 to 5 (0 to 10*)</td> <td data-bbox="1249 1294 1401 1339">0 (5°)</td> </tr> <tr> <td data-bbox="336 1339 528 1397">K</td> <td data-bbox="528 1339 983 1397">Value of the black setting</td> <td data-bbox="983 1339 1249 1397">-5 to 5 (0 to 10*)</td> <td data-bbox="1249 1339 1401 1397">0 (5°)</td> </tr> </tbody> </table> <p data-bbox="336 1408 730 1438">*: When selecting [Copy/Printout]</p> <p data-bbox="336 1442 1270 1471">Increasing the value darkens the density and decreasing it lightens the density.</p> <ol data-bbox="304 1476 767 1505" style="list-style-type: none"> 3. Press the start key. The value is set. <p data-bbox="290 1547 448 1576">Supplement</p> <p data-bbox="290 1581 1417 1646">While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p data-bbox="290 1686 440 1715">Completion</p> <p data-bbox="290 1720 1254 1749">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Text+Photo	Density of each color in the text & photo mode	Photo	Density of each color in the photo mode	Photo/Printout	Density of each color in the printed photo mode	Text	Density of each color in the text mode	Graphics/Map	Density of each color in the map mode	Copy/Printout	Density of each color in the printed document mode	Display	Description	Setting range	Initial setting	C	Value of the cyan setting	-5 to 5 (0 to 10*)	0 (5°)	M	Value of the magenta setting	-5 to 5 (0 to 10*)	0 (5°)	Y	Value of the yellow setting	-5 to 5 (0 to 10*)	0 (5°)	K	Value of the black setting	-5 to 5 (0 to 10*)	0 (5°)
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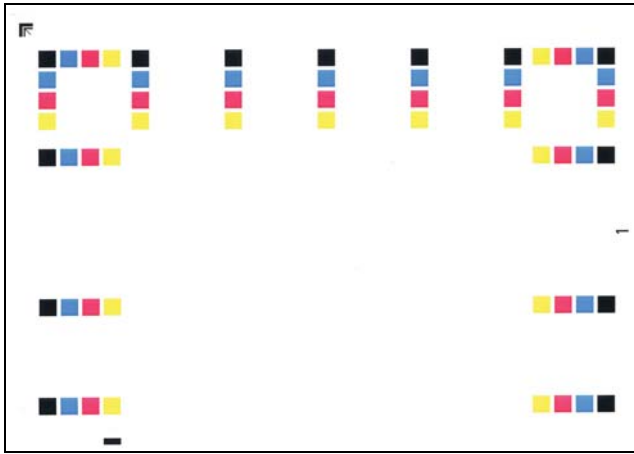
Item No.	Description																																
U464	<p data-bbox="288 239 730 271">Setting the ID correction operation</p> <p data-bbox="288 304 437 331">Description</p> <p data-bbox="288 336 1431 421">Turns ID correction (calibration) on or off. Also, this determines the duration of calibration and the timing of calibration during printing. Also, this allows individual settings for calibration operation by enabling custom settings.</p> <p data-bbox="288 425 395 452">Purpose</p> <p data-bbox="288 456 1412 542">To restrict calibration when poor image quality is generated. Also, this allows individual settings for calibration by enabling custom settings in setting the calibration cycle under the machine defaults depending on the user preferences.</p> <p data-bbox="288 575 384 602">Method</p> <ol data-bbox="304 611 1259 674" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. The setting screen for the selected item is displayed. <table border="1" data-bbox="349 685 1412 1068"> <thead> <tr> <th data-bbox="352 689 651 734">Display</th> <th data-bbox="651 689 1409 734">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="352 734 651 779">Permission</td> <td data-bbox="651 734 1409 779">Setting of operation permission</td> </tr> <tr> <td data-bbox="352 779 651 824">Time Interval</td> <td data-bbox="651 779 1409 824">Setting of driving time</td> </tr> <tr> <td data-bbox="352 824 651 869">Mode</td> <td data-bbox="651 824 1409 869">Setting the color print execution mode</td> </tr> <tr> <td data-bbox="352 869 651 913">Bias Target</td> <td data-bbox="651 869 1409 913">Setting of Bias target</td> </tr> <tr> <td data-bbox="352 913 651 958">Gamma Target</td> <td data-bbox="651 913 1409 958">Setting of quantities of light target</td> </tr> <tr> <td data-bbox="352 958 651 1003">Calib</td> <td data-bbox="651 958 1409 1003">Execution of calibration</td> </tr> <tr> <td data-bbox="352 1003 651 1066">FM Calib</td> <td data-bbox="651 1003 1409 1066">Setting the FM Calib operation</td> </tr> </tbody> </table> <p data-bbox="288 1120 560 1146">Setting: [Permission]</p> <ol data-bbox="304 1155 1051 1218" style="list-style-type: none"> 1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="349 1229 1412 1525"> <thead> <tr> <th data-bbox="352 1234 576 1308">Display</th> <th data-bbox="576 1234 1046 1308">Description</th> <th data-bbox="1046 1234 1230 1308">Setting range</th> <th data-bbox="1230 1234 1409 1308">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="352 1308 576 1352">Calib</td> <td data-bbox="576 1308 1046 1352">Setting the permission of calibration.</td> <td data-bbox="1046 1308 1230 1352">On/Off</td> <td data-bbox="1230 1308 1409 1352">On</td> </tr> <tr> <td data-bbox="352 1352 576 1435">Paper Int Calib</td> <td data-bbox="576 1352 1046 1435">Setting the permission of calibration between paper.</td> <td data-bbox="1046 1352 1230 1435">On/Off</td> <td data-bbox="1230 1352 1409 1435">On</td> </tr> <tr> <td data-bbox="352 1435 576 1525">Drum Temp Change</td> <td data-bbox="576 1435 1046 1525">A permission setup of a drum polish temperature change</td> <td data-bbox="1046 1435 1230 1525">On/Off</td> <td data-bbox="1230 1435 1409 1525">-</td> </tr> </tbody> </table> <ol data-bbox="304 1559 764 1585" style="list-style-type: none"> 3. Press the start key. The value is set. 	Display	Description	Permission	Setting of operation permission	Time Interval	Setting of driving time	Mode	Setting the color print execution mode	Bias Target	Setting of Bias target	Gamma Target	Setting of quantities of light target	Calib	Execution of calibration	FM Calib	Setting the FM Calib operation	Display	Description	Setting range	Initial setting	Calib	Setting the permission of calibration.	On/Off	On	Paper Int Calib	Setting the permission of calibration between paper.	On/Off	On	Drum Temp Change	A permission setup of a drum polish temperature change	On/Off	-
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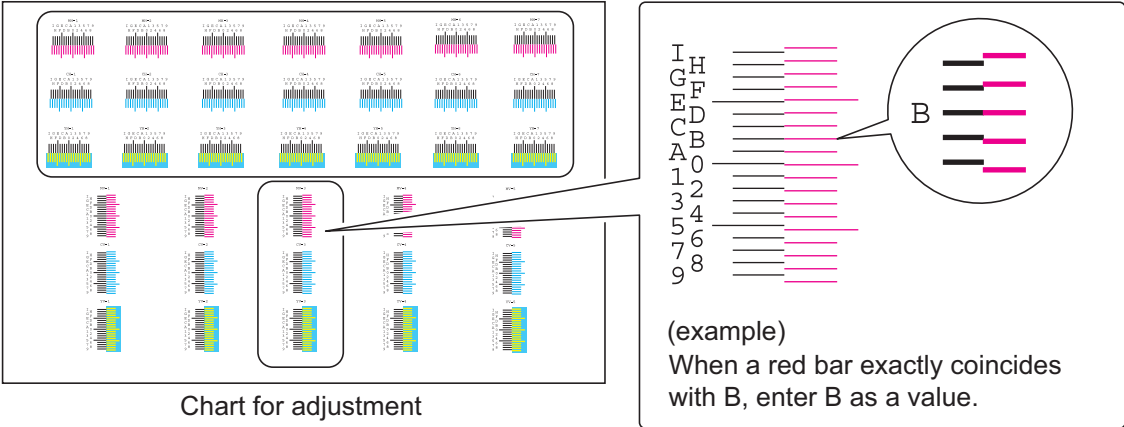
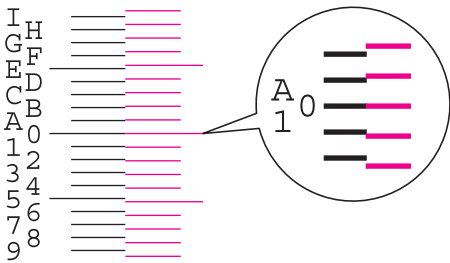
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U464	<p data-bbox="287 241 582 275">Setting: [Time Interval]</p> <p data-bbox="287 275 1197 342">1. Select the item to be set. 2. Change the setting value using the cursor left/right keys or numeric keys.</p> <table border="1" data-bbox="347 349 1412 723"> <thead> <tr> <th data-bbox="355 353 576 387">Display</th> <th data-bbox="576 353 1046 387">Description</th> <th data-bbox="1046 353 1230 387">Setting</th> <th data-bbox="1230 353 1404 387">Initial set-</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 387 576 465">Paper Int Calib</td> <td data-bbox="576 387 1046 465">Setting the driving time of the calibration between paper.</td> <td data-bbox="1046 387 1230 465">0 to 100</td> <td data-bbox="1230 387 1404 465">20</td> </tr> <tr> <td data-bbox="355 465 576 544">Sleep Out</td> <td data-bbox="576 465 1046 544">Setting the execution time of sleeve return calibration.</td> <td data-bbox="1046 465 1230 544">0 to 100</td> <td data-bbox="1230 465 1404 544">18</td> </tr> <tr> <td data-bbox="355 544 576 622">T/C Calib</td> <td data-bbox="576 544 1046 622">Setting the execution time of T/C calibration.</td> <td data-bbox="1046 544 1230 622">0 to 100</td> <td data-bbox="1230 544 1404 622">11</td> </tr> <tr> <td data-bbox="355 622 576 719">Permission</td> <td data-bbox="576 622 1046 719">A permission setup of a T/C Calib temperature change</td> <td data-bbox="1046 622 1230 719">On/Off</td> <td data-bbox="1230 622 1404 719">Off</td> </tr> </tbody> </table> <p data-bbox="287 741 766 775">3. Press the start key. The value is set.</p> <p data-bbox="287 808 486 842">Setting: [Mode]</p> <p data-bbox="287 842 630 875">1. Select the item to be set.</p> <table border="1" data-bbox="347 882 1412 1167"> <thead> <tr> <th data-bbox="355 887 576 920">Display</th> <th data-bbox="576 887 1404 920">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 920 576 965">Short</td> <td data-bbox="576 920 1404 965">Color printing mode setup: Short</td> </tr> <tr> <td data-bbox="355 965 576 1010">Normal</td> <td data-bbox="576 965 1404 1010">Color printing mode setup: Nomal</td> </tr> <tr> <td data-bbox="355 1010 576 1055">Long</td> <td data-bbox="576 1010 1404 1055">Color printing mode setup: Long</td> </tr> <tr> <td data-bbox="355 1055 576 1099">Castum</td> <td data-bbox="576 1055 1404 1099">Color printing mode setup: Costum</td> </tr> <tr> <td data-bbox="355 1099 576 1155">Auto</td> <td data-bbox="576 1099 1404 1155">Color printing mode setup: Auto</td> </tr> </tbody> </table> <p data-bbox="287 1189 766 1223">2. Press the start key. The value is set.</p> <p data-bbox="287 1256 758 1290">Setting: [Bias Target/Gamma Target]</p> <p data-bbox="287 1290 1053 1357">1. Select the item to be set. 2. Change the setting value using the +/- keys or numeric keys.</p> <table border="1" data-bbox="347 1364 1412 1637"> <thead> <tr> <th data-bbox="355 1368 576 1447">Display</th> <th data-bbox="576 1368 1046 1447">Description</th> <th data-bbox="1046 1368 1230 1447">Setting range</th> <th data-bbox="1230 1368 1404 1447">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 1447 576 1491">C</td> <td data-bbox="576 1447 1046 1491">Setting of target (Cyan)</td> <td data-bbox="1046 1447 1230 1491">10 to 1000</td> <td data-bbox="1230 1447 1404 1491">760/300</td> </tr> <tr> <td data-bbox="355 1491 576 1536">M</td> <td data-bbox="576 1491 1046 1536">Setting of target (Magenta)</td> <td data-bbox="1046 1491 1230 1536">10 to 1000</td> <td data-bbox="1230 1491 1404 1536">760/300</td> </tr> <tr> <td data-bbox="355 1536 576 1581">Y</td> <td data-bbox="576 1536 1046 1581">Setting of target (Yellow)</td> <td data-bbox="1046 1536 1230 1581">10 to 1000</td> <td data-bbox="1230 1536 1404 1581">750/300</td> </tr> <tr> <td data-bbox="355 1581 576 1626">K</td> <td data-bbox="576 1581 1046 1626">Setting of target (Black)</td> <td data-bbox="1046 1581 1230 1626">10 to 1000</td> <td data-bbox="1230 1581 1404 1626">820/400</td> </tr> </tbody> </table> <p data-bbox="287 1671 766 1704">3. Press the start key. The value is set.</p>	Display	Description	Setting	Initial set-	Paper Int Calib	Setting the driving time of the calibration between paper.	0 to 100	20	Sleep Out	Setting the execution time of sleeve return calibration.	0 to 100	18	T/C Calib	Setting the execution time of T/C calibration.	0 to 100	11	Permission	A permission setup of a T/C Calib temperature change	On/Off	Off	Display	Description	Short	Color printing mode setup: Short	Normal	Color printing mode setup: Nomal	Long	Color printing mode setup: Long	Castum	Color printing mode setup: Costum	Auto	Color printing mode setup: Auto	Display	Description	Setting range	Initial setting	C	Setting of target (Cyan)	10 to 1000	760/300	M	Setting of target (Magenta)	10 to 1000	760/300	Y	Setting of target (Yellow)	10 to 1000	750/300	K	Setting of target (Black)	10 to 1000	820/400
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U464	<p>Method: [Calib]</p> <ol style="list-style-type: none"> 1. Select the item to be set 2. Press the start key. The operation starts. <table border="1" data-bbox="347 349 1409 591"> <thead> <tr> <th data-bbox="347 349 655 398">Display</th> <th data-bbox="655 349 1409 398">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 398 655 443">Regist</td> <td data-bbox="655 398 1409 443">Executes the calibration to correct registration.</td> </tr> <tr> <td data-bbox="347 443 655 488">Gamma</td> <td data-bbox="655 443 1409 488">Executes the calibration to quantities of light.</td> </tr> <tr> <td data-bbox="347 488 655 533">Paper Int</td> <td data-bbox="655 488 1409 533">Executes the calibration between paper.</td> </tr> <tr> <td data-bbox="347 533 655 591">Color Regist</td> <td data-bbox="655 533 1409 591">Executes the calibration to color registration.</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 3. To stop operation, press the stop key. <p>Method: [FM Calib]</p> <ol style="list-style-type: none"> 1. Select the item to be set 2. Press the start key. <table border="1" data-bbox="347 792 1409 936"> <thead> <tr> <th data-bbox="347 792 655 842">Display</th> <th data-bbox="655 792 1409 842">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 842 655 887">On</td> <td data-bbox="655 842 1409 887">FM calibration is included in a calibration.</td> </tr> <tr> <td data-bbox="347 887 655 936">Off</td> <td data-bbox="655 887 1409 936">FM calibration is not included in a calibration.</td> </tr> </tbody> </table> <p>Initial setting: Off</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Regist	Executes the calibration to correct registration.	Gamma	Executes the calibration to quantities of light.	Paper Int	Executes the calibration between paper.	Color Regist	Executes the calibration to color registration.	Display	Description	On	FM calibration is included in a calibration.	Off	FM calibration is not included in a calibration.
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U467	<p>Setting the color registration adjustment</p> <p>Description Sets the color registration adjustment.</p> <p>Purpose If color variance is uneven due to a sensor failure, etc., turn this off and temporarily make a manual adjustment.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="347 1547 1409 1675"> <thead> <tr> <th data-bbox="347 1547 655 1597">Display</th> <th data-bbox="655 1547 1409 1597">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="347 1597 655 1641">Permission</td> <td data-bbox="655 1597 1409 1641">Setting of operation permission</td> </tr> <tr> <td data-bbox="347 1641 655 1675">Timing</td> <td data-bbox="655 1641 1409 1675">Setting of execution timing of resist correction</td> </tr> </tbody> </table> <p>Setting</p> <ol style="list-style-type: none"> 1. Change the setting value using the +/- keys or numeric keys. 2. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Permission	Setting of operation permission	Timing	Setting of execution timing of resist correction										
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U468	<p data-bbox="287 241 750 275">Checking the color registration data</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1300 378">Displays the color registration correction data and transfer belt speed correction data.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 686 450">To check the corresponding data.</p> <p data-bbox="287 483 391 517">Method</p> <ol data-bbox="303 519 1252 586" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be reference. The screen for the selected item is displayed. <table border="1" data-bbox="347 589 1412 1126"> <thead> <tr> <th data-bbox="355 600 651 633">Display</th> <th data-bbox="651 600 1404 633">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 636 651 703">Auto (C)</td> <td data-bbox="651 636 1404 703">Display the auto color registration adjustment value for 1st color</td> </tr> <tr> <td data-bbox="355 705 651 772">Auto (M)</td> <td data-bbox="651 705 1404 772">Display the auto color registration adjustment value for 2nd color</td> </tr> <tr> <td data-bbox="355 775 651 842">Auto (Y)</td> <td data-bbox="651 775 1404 842">Display the auto color registration adjustment value for 3rd color</td> </tr> <tr> <td data-bbox="355 844 651 911">Manual (C)</td> <td data-bbox="651 844 1404 911">Display the manual color registration adjustment value for 1st color</td> </tr> <tr> <td data-bbox="355 913 651 981">Manual (M)</td> <td data-bbox="651 913 1404 981">Display the manual color registration adjustment value for 2nd color</td> </tr> <tr> <td data-bbox="355 983 651 1050">Manual (Y)</td> <td data-bbox="651 983 1404 1050">Display the manual color registration adjustment value for 3rd color</td> </tr> <tr> <td data-bbox="355 1052 651 1086">Initialize</td> <td data-bbox="651 1052 1404 1086">Execution of initialization</td> </tr> </tbody> </table>	Display	Description	Auto (C)	Display the auto color registration adjustment value for 1st color	Auto (M)	Display the auto color registration adjustment value for 2nd color	Auto (Y)	Display the auto color registration adjustment value for 3rd color	Manual (C)	Display the manual color registration adjustment value for 1st color	Manual (M)	Display the manual color registration adjustment value for 2nd color	Manual (Y)	Display the manual color registration adjustment value for 3rd color	Initialize	Execution of initialization
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U468	<p data-bbox="288 241 523 275">Displaying: [Auto]</p> <p data-bbox="304 277 863 311">1. Select [Auto(1st)], [Auto(2nd)] or [Auto(3rd)].</p> <p data-bbox="336 313 699 347">The current value is displayed.</p> <table border="1" data-bbox="347 349 1412 537"> <thead> <tr> <th data-bbox="357 360 651 394">Display</th> <th data-bbox="651 360 1412 394">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="357 394 651 427">LSU Out Top</td> <td data-bbox="651 394 1412 427">Image up-to-date timing</td> </tr> <tr> <td data-bbox="357 427 651 461">LSU Out Left</td> <td data-bbox="651 427 1412 461">Image optical axis adjustment</td> </tr> <tr> <td data-bbox="357 461 651 537">Magnification(Whole)</td> <td data-bbox="651 461 1412 537">Correction data of original size magnification in whole</td> </tr> </tbody> </table> <p data-bbox="288 600 555 633">Displaying: [Manual]</p> <p data-bbox="304 636 954 669">1. Select [Manua(1st)], [Manual(2nd)] or [Manual(3rd)].</p> <p data-bbox="336 672 699 705">The current value is displayed.</p> <table border="1" data-bbox="347 707 1412 1232"> <thead> <tr> <th data-bbox="357 719 651 752">Display</th> <th data-bbox="651 719 1412 752">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="357 752 651 786">LSU Out Top</td> <td data-bbox="651 752 1412 786">Image up-to-date timing</td> </tr> <tr> <td data-bbox="357 786 651 819">LSU Out Left</td> <td data-bbox="651 786 1412 819">Image optical axis adjustment</td> </tr> <tr> <td data-bbox="357 819 651 853">Magnification(Whole)</td> <td data-bbox="651 819 1412 853">Correction data of original size magnification in whole</td> </tr> <tr> <td data-bbox="357 853 651 887">Magnification(Part1)</td> <td data-bbox="651 853 1412 887">Correction data of original size magnification in a part 1</td> </tr> <tr> <td data-bbox="357 887 651 920">Magnification(Part2)</td> <td data-bbox="651 887 1412 920">Correction data of original size magnification in a part 2</td> </tr> <tr> <td data-bbox="357 920 651 954">Magnification(Part3)</td> <td data-bbox="651 920 1412 954">Correction data of original size magnification in a part 3</td> </tr> <tr> <td data-bbox="357 954 651 987">Magnification(Part4)</td> <td data-bbox="651 954 1412 987">Correction data of original size magnification in a part 4</td> </tr> <tr> <td data-bbox="357 987 651 1021">Magnification(Part5)</td> <td data-bbox="651 987 1412 1021">Correction data of original size magnification in a part 5</td> </tr> <tr> <td data-bbox="357 1021 651 1055">Magnification(Part6)</td> <td data-bbox="651 1021 1412 1055">Correction data of original size magnification in a part 6</td> </tr> <tr> <td data-bbox="357 1055 651 1088">Magnification(Part7)</td> <td data-bbox="651 1055 1412 1088">Correction data of original size magnification in a part 7</td> </tr> </tbody> </table> <p data-bbox="288 1290 528 1323">Method: [Initialize]</p> <p data-bbox="304 1326 539 1359">1. Select [Initialize].</p> <p data-bbox="304 1361 874 1395">2. Select [Execute] and then press the start key.</p> <p data-bbox="336 1397 667 1431">* : Initialization is executed.</p> <table border="1" data-bbox="347 1433 1412 1523"> <thead> <tr> <th data-bbox="357 1444 651 1478">Display</th> <th data-bbox="651 1444 1412 1478">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="357 1478 651 1523">Execute</td> <td data-bbox="651 1478 1412 1523">Execution of initialization</td> </tr> </tbody> </table> <p data-bbox="288 1576 440 1610">Completion</p> <p data-bbox="288 1612 1257 1646">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	LSU Out Top	Image up-to-date timing	LSU Out Left	Image optical axis adjustment	Magnification(Whole)	Correction data of original size magnification in whole	Display	Description	LSU Out Top	Image up-to-date timing	LSU Out Left	Image optical axis adjustment	Magnification(Whole)	Correction data of original size magnification in whole	Magnification(Part1)	Correction data of original size magnification in a part 1	Magnification(Part2)	Correction data of original size magnification in a part 2	Magnification(Part3)	Correction data of original size magnification in a part 3	Magnification(Part4)	Correction data of original size magnification in a part 4	Magnification(Part5)	Correction data of original size magnification in a part 5	Magnification(Part6)	Correction data of original size magnification in a part 6	Magnification(Part7)	Correction data of original size magnification in a part 7	Display	Description	Execute	Execution of initialization
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Execute	Execution of initialization																																		

Item No.	Description						
<p>U469</p>	<p>Adjusting the color registration</p> <p>Description Performs the color registration correction.</p> <p>Purpose To perform when replacing the maintenance kit or laser scanner unit.</p> <p>Method * : Be sure to perform U464 Calib before performing this mode.</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 631 1401 775"> <thead> <tr> <th data-bbox="336 631 564 680">Display</th> <th data-bbox="564 631 1401 680">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 564 730">Auto</td> <td data-bbox="564 680 1401 730">Executing the auto color registration correction</td> </tr> <tr> <td data-bbox="336 730 564 775">Manual</td> <td data-bbox="564 730 1401 775">Executing the manual color registration correction</td> </tr> </tbody> </table> <p>Method: [Auto]</p> <ol style="list-style-type: none"> 1. Select [Print]. 2. Press the start key. A chart for adjustment is outputted. 3. Set the output chart for adjustment as the original. 4. Select [Execute]. 5. Press the start key. Color registration correction starts. 6. When normally completed, [OK] is displayed. <p>If a problem occurs during auto adjustment, error code is displayed.</p>  <p style="text-align: center;">Chart for adjustment</p> <p style="text-align: center;">Figure 1-3-44</p>	Display	Description	Auto	Executing the auto color registration correction	Manual	Executing the manual color registration correction
Display	Description						
Auto	Executing the auto color registration correction						
Manual	Executing the manual color registration correction						

Item No.	Description																				
<p>U469</p>	<p>Error codes</p> <table border="1" data-bbox="336 286 1401 573"> <thead> <tr> <th>Codes</th> <th>Description</th> <th>Codes</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>S001</td> <td>Patch not detected</td> <td>S004</td> <td>Original inclination error</td> </tr> <tr> <td>S002</td> <td>Original deviation in the main scanning direction</td> <td>S005</td> <td>Original type error</td> </tr> <tr> <td>S003</td> <td>Original deviation in the auxiliary scanning direction</td> <td>SFFF</td> <td>Scanner other error</td> </tr> <tr> <td></td> <td></td> <td>CFFF</td> <td>Controller other error</td> </tr> </tbody> </table> <p>Method: [Manual]</p> <ol style="list-style-type: none"> 1. Select [Print]. 2. Press the start key. A chart for adjustment is outputted. 3. Select [Regist]. 4. Read figures at MH-1 to 7/CH-1 to 7/YH-1 to 7 and MV-3/CV-3/YV-3 of the reference chart and enter the figure marked at the scale which the BK fine line is in line with the M/C/Y fine lines, using the # key or * key. <div data-bbox="295 887 1422 1312" style="border: 1px solid black; padding: 10px;">  <p style="text-align: center;">Chart for adjustment</p> <p style="text-align: center;">Figure 1-3-45</p> </div> <ol style="list-style-type: none"> 5. Press the start key. The value is set. 6. Press the start key after all values have been entered. Color registration correction starts. 7. Print a chart for adjustment. 8. Verify that each scale is within the range of 1 to A. <div data-bbox="635 1570 1086 1832" style="border: 1px solid black; padding: 10px;">  <p style="text-align: center;">The scale must be corresponding within the range of "A" from "1".</p> <p style="text-align: center;">Figure 1-3-46</p> </div>	Codes	Description	Codes	Description	S001	Patch not detected	S004	Original inclination error	S002	Original deviation in the main scanning direction	S005	Original type error	S003	Original deviation in the auxiliary scanning direction	SFFF	Scanner other error			CFFF	Controller other error
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S003	Original deviation in the auxiliary scanning direction	SFFF	Scanner other error																		
		CFFF	Controller other error																		

Item No.	Description																										
U470	<p data-bbox="288 241 750 273">Setting the JPEG compression ratio</p> <p data-bbox="288 311 440 338">Description</p> <p data-bbox="288 344 1158 376">Sets the compression ratio for JPEG images in each image quality mode.</p> <p data-bbox="288 383 400 409">Purpose</p> <p data-bbox="288 416 1418 584">To change the setting in accordance with the image that the user is copying. For example, in order to soften the coarseness of the image when making copies at over 200% magnification, change the level of compression by raising the value. Lowering the value will increase the compression and thereby lower the image quality; Raising the value will increase image quality but lower the image processing speed.</p> <p data-bbox="288 622 387 649">Method</p> <ol data-bbox="304 656 632 719" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 734 1401 927"> <thead> <tr> <th data-bbox="336 734 641 779">Display</th> <th data-bbox="641 734 1401 779">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 641 824">Copy</td> <td data-bbox="641 779 1401 824">Compression ratio for copying</td> </tr> <tr> <td data-bbox="336 824 641 869">Send</td> <td data-bbox="641 824 1401 869">Compression ratio for sending</td> </tr> <tr> <td data-bbox="336 869 641 927">System</td> <td data-bbox="641 869 1401 927">Compression ratio for temporary storage in system</td> </tr> </tbody> </table> <p data-bbox="288 974 485 1005">Setting: [Copy]</p> <ol data-bbox="304 1010 632 1041" style="list-style-type: none"> 1. Select the item to be set. <table border="1" data-bbox="336 1055 1401 1196"> <thead> <tr> <th data-bbox="336 1055 641 1099">Display</th> <th data-bbox="641 1055 1401 1099">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1099 641 1144">Photo</td> <td data-bbox="641 1099 1401 1144">Compression ratio in the photo mode</td> </tr> <tr> <td data-bbox="336 1144 641 1196">Text</td> <td data-bbox="641 1144 1401 1196">Compression ratio in the text mode</td> </tr> </tbody> </table> <ol data-bbox="304 1209 1054 1272" style="list-style-type: none"> 2. Select the item to be set. 3. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 1285 1401 1464"> <thead> <tr> <th data-bbox="336 1285 564 1368">Display</th> <th data-bbox="564 1285 1066 1368">Description</th> <th data-bbox="1066 1285 1233 1368">Setting range</th> <th data-bbox="1233 1285 1401 1368">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1368 564 1413">Y</td> <td data-bbox="564 1368 1066 1413">Compression ratio of brightness</td> <td data-bbox="1066 1368 1233 1413">1 to 100</td> <td data-bbox="1233 1368 1401 1413">90</td> </tr> <tr> <td data-bbox="336 1413 564 1464">CbCr</td> <td data-bbox="564 1413 1066 1464">Compression ratio of color differential</td> <td data-bbox="1066 1413 1233 1464">1 to 100</td> <td data-bbox="1233 1413 1401 1464">90</td> </tr> </tbody> </table> <ol data-bbox="304 1476 767 1507" style="list-style-type: none"> 4. Press the start key. The value is set. 	Display	Description	Copy	Compression ratio for copying	Send	Compression ratio for sending	System	Compression ratio for temporary storage in system	Display	Description	Photo	Compression ratio in the photo mode	Text	Compression ratio in the text mode	Display	Description	Setting range	Initial setting	Y	Compression ratio of brightness	1 to 100	90	CbCr	Compression ratio of color differential	1 to 100	90
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CbCr	Compression ratio of color differential	1 to 100	90																								

Item No.	Description																																																												
U470	<p data-bbox="288 241 483 275">Setting: [Send]</p> <p data-bbox="288 277 632 311">1. Select the item to be set.</p> <table border="1" data-bbox="336 320 1401 678"> <thead> <tr> <th data-bbox="336 320 639 365">Display</th> <th data-bbox="639 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 639 409">Photo</td> <td data-bbox="639 365 1401 409">Compression ratio in the photo mode</td> </tr> <tr> <td data-bbox="336 409 639 454">Text</td> <td data-bbox="639 409 1401 454">Compression ratio in the text mode</td> </tr> <tr> <td data-bbox="336 454 639 499">HC-PDF(BG)</td> <td data-bbox="639 454 1401 499">Compression ratio of high compression PDF</td> </tr> <tr> <td data-bbox="336 499 639 589">HC-PDF(Char)</td> <td data-bbox="639 499 1401 589">Setting the compression rate of the high-compression PDF (text color)</td> </tr> <tr> <td data-bbox="336 589 639 678">HC-PDF(File Size)</td> <td data-bbox="639 589 1401 678">Setting the compression rate of the high-compression PDF (reduced file size priority)</td> </tr> </tbody> </table> <p data-bbox="288 696 632 730">2. Select the item to be set.</p> <p data-bbox="288 732 1054 766">3. Change the setting value using the +/- keys or numeric keys.</p> <p data-bbox="336 768 528 801">[Photo] or [Text]</p> <table border="1" data-bbox="336 810 1401 987"> <thead> <tr> <th data-bbox="336 810 549 889">Display</th> <th data-bbox="549 810 1019 889">Description</th> <th data-bbox="1019 810 1187 889">Setting range</th> <th data-bbox="1187 810 1401 889">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 889 549 934">Y1 to Y5</td> <td data-bbox="549 889 1019 934">Compression ratio of brightness</td> <td data-bbox="1019 889 1187 934">1 to 100</td> <td data-bbox="1187 889 1401 934">30/40/51/70/90</td> </tr> <tr> <td data-bbox="336 934 549 987">CbCr1 to CbCr5</td> <td data-bbox="549 934 1019 987">Compression ratio of color differential</td> <td data-bbox="1019 934 1187 987">1 to 100</td> <td data-bbox="1187 934 1401 987">30/40/51/70/90</td> </tr> </tbody> </table> <p data-bbox="336 996 512 1030">[HC-PDF(BG)]</p> <table border="1" data-bbox="336 1039 1401 1216"> <thead> <tr> <th data-bbox="336 1039 549 1117">Display</th> <th data-bbox="549 1039 1019 1117">Description</th> <th data-bbox="1019 1039 1187 1117">Setting range</th> <th data-bbox="1187 1039 1401 1117">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1117 549 1162">Y3 to Y3</td> <td data-bbox="549 1117 1019 1162">Compression ratio of brightness</td> <td data-bbox="1019 1117 1187 1162">1 to 100</td> <td data-bbox="1187 1117 1401 1162">15/25/90</td> </tr> <tr> <td data-bbox="336 1162 549 1216">CbCr3 to CbCr3</td> <td data-bbox="549 1162 1019 1216">Compression ratio of color differential</td> <td data-bbox="1019 1162 1187 1216">1 to 100</td> <td data-bbox="1187 1162 1401 1216">15/25/90</td> </tr> </tbody> </table> <p data-bbox="336 1225 528 1258">[HC-PDF(Char)]</p> <table border="1" data-bbox="336 1267 1401 1444"> <thead> <tr> <th data-bbox="336 1267 549 1346">Display</th> <th data-bbox="549 1267 1019 1346">Description</th> <th data-bbox="1019 1267 1187 1346">Setting range</th> <th data-bbox="1187 1267 1401 1346">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1346 549 1391">Y3 to Y3</td> <td data-bbox="549 1346 1019 1391">Compression ratio of brightness</td> <td data-bbox="1019 1346 1187 1391">1 to 100</td> <td data-bbox="1187 1346 1401 1391">15/75/90</td> </tr> <tr> <td data-bbox="336 1391 549 1444">CbCr3 to CbCr3</td> <td data-bbox="549 1391 1019 1444">Compression ratio of color differential</td> <td data-bbox="1019 1391 1187 1444">1 to 100</td> <td data-bbox="1187 1391 1401 1444">15/75/90</td> </tr> </tbody> </table> <p data-bbox="336 1453 552 1487">[HC-PDF(File Size)]</p> <table border="1" data-bbox="336 1496 1401 1673"> <thead> <tr> <th data-bbox="336 1496 549 1574">Display</th> <th data-bbox="549 1496 1019 1574">Description</th> <th data-bbox="1019 1496 1187 1574">Setting range</th> <th data-bbox="1187 1496 1401 1574">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1574 549 1619">Y3 to Y3</td> <td data-bbox="549 1574 1019 1619">Compression ratio of brightness</td> <td data-bbox="1019 1574 1187 1619">1 to 100</td> <td data-bbox="1187 1574 1401 1619">15/25/75</td> </tr> <tr> <td data-bbox="336 1619 549 1673">CbCr3 to CbCr3</td> <td data-bbox="549 1619 1019 1673">Compression ratio of color differential</td> <td data-bbox="1019 1619 1187 1673">1 to 100</td> <td data-bbox="1187 1619 1401 1673">15/25/75</td> </tr> </tbody> </table> <p data-bbox="288 1727 767 1760">4. Press the start key. The value is set.</p>	Display	Description	Photo	Compression ratio in the photo mode	Text	Compression ratio in the text mode	HC-PDF(BG)	Compression ratio of high compression PDF	HC-PDF(Char)	Setting the compression rate of the high-compression PDF (text color)	HC-PDF(File Size)	Setting the compression rate of the high-compression PDF (reduced file size priority)	Display	Description	Setting range	Initial setting	Y1 to Y5	Compression ratio of brightness	1 to 100	30/40/51/70/90	CbCr1 to CbCr5	Compression ratio of color differential	1 to 100	30/40/51/70/90	Display	Description	Setting range	Initial setting	Y3 to Y3	Compression ratio of brightness	1 to 100	15/25/90	CbCr3 to CbCr3	Compression ratio of color differential	1 to 100	15/25/90	Display	Description	Setting range	Initial setting	Y3 to Y3	Compression ratio of brightness	1 to 100	15/75/90	CbCr3 to CbCr3	Compression ratio of color differential	1 to 100	15/75/90	Display	Description	Setting range	Initial setting	Y3 to Y3	Compression ratio of brightness	1 to 100	15/25/75	CbCr3 to CbCr3	Compression ratio of color differential	1 to 100	15/25/75
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Item No.	Description												
U470	<p>Setting: [System]</p> <ol style="list-style-type: none"> Select the item to be set. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="336 353 1401 533"> <thead> <tr> <th>Display</th> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>Compression ratio of brightness</td> <td>1 to 100</td> <td>90</td> </tr> <tr> <td>CbCr</td> <td>Compression ratio of color differential</td> <td>1 to 100</td> <td>90</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Supplement While this maintenance item is being executed, copying from an original is available in interrupt copying mode (which is activated by pressing the system menu key).</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Y	Compression ratio of brightness	1 to 100	90	CbCr	Compression ratio of color differential	1 to 100	90
Display	Description	Setting range	Initial setting										
Y	Compression ratio of brightness	1 to 100	90										
CbCr	Compression ratio of color differential	1 to 100	90										
U473	<p>Adjusting laser power output</p> <p>Description Adjusts the laser output power for each color.</p> <p>Purpose Enter the exposure density correction data after replacing the laser scanner unit.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. Select the item to be set. Change the setting value using the cursor left/right keys or numeric keys. <table border="1" data-bbox="347 1232 1386 1471"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Setting the LSU laser power (Cyan)</td> </tr> <tr> <td>M</td> <td>Setting the LSU laser power (Magenta)</td> </tr> <tr> <td>Y</td> <td>Setting the LSU laser power (Yellow)</td> </tr> <tr> <td>K</td> <td>Setting the LSU laser power (Black)</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Setting the LSU laser power (Cyan)	M	Setting the LSU laser power (Magenta)	Y	Setting the LSU laser power (Yellow)	K	Setting the LSU laser power (Black)		
Display	Description												
C	Setting the LSU laser power (Cyan)												
M	Setting the LSU laser power (Magenta)												
Y	Setting the LSU laser power (Yellow)												
K	Setting the LSU laser power (Black)												

Item No.	Description																												
U485	<p data-bbox="288 241 746 275">Setting the image processing mode</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1382 412">Sets the detection level for scanning printed matter outputted with the confidential document guard function. Also, sets the process PDF images are rotated.</p> <p data-bbox="288 416 400 445">Purpose</p> <p data-bbox="288 450 1433 517">To change the detection level when the confidential document guard is not printed well for detection in scanning. Also, changes the process of how PDF images are rotated.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 564 654" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 665 1401 808"> <thead> <tr> <th data-bbox="336 665 639 710">Display</th> <th data-bbox="639 665 1401 710">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 710 639 754">Mode</td> <td data-bbox="639 710 1401 754">Setting the image processing mode</td> </tr> <tr> <td data-bbox="336 754 639 808">Color Table</td> <td data-bbox="639 754 1401 808">Setting the Color Table</td> </tr> </tbody> </table> <p data-bbox="288 853 488 882">Setting: [Mode]</p> <ol data-bbox="304 887 520 916" style="list-style-type: none"> 1. Select the item. <table border="1" data-bbox="336 929 1401 1077"> <thead> <tr> <th data-bbox="336 929 639 974">Display</th> <th data-bbox="639 929 1401 974">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 974 639 1019">Conf. Doc. Detection</td> <td data-bbox="639 974 1401 1019">Confidential document guard detection level</td> </tr> <tr> <td data-bbox="336 1019 639 1077">PDF Rotation</td> <td data-bbox="639 1019 1401 1077">Processing the rotation of PDF images</td> </tr> </tbody> </table> <p data-bbox="288 1122 679 1151">Setting: [Conf. Doc. Detection]</p> <ol data-bbox="304 1155 1010 1184" style="list-style-type: none"> 1. Change the setting value using +/- keys or numeric keys. <table border="1" data-bbox="336 1198 1401 1364"> <thead> <tr> <th data-bbox="336 1198 564 1279">Display</th> <th data-bbox="564 1198 1066 1279">Description</th> <th data-bbox="1066 1198 1233 1279">Setting range</th> <th data-bbox="1233 1198 1401 1279">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1279 564 1364">Conf. Doc. Detection</td> <td data-bbox="564 1279 1066 1364">Confidential document guard detection level</td> <td data-bbox="1066 1279 1233 1364">1 to 5</td> <td data-bbox="1233 1279 1401 1364">1</td> </tr> </tbody> </table> <p data-bbox="333 1375 1433 1442">A smaller value raises the detection sensitivity but increases the possibility of false detection. A larger value lowers the detection sensitivity but decreases the possibility of false detection.</p> <ol data-bbox="304 1447 767 1476" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1512 587 1541">Setting: [PDF Rotation]</p> <ol data-bbox="304 1545 1010 1574" style="list-style-type: none"> 1. Change the setting value using +/- keys or numeric keys. <table border="1" data-bbox="336 1588 1401 1821"> <thead> <tr> <th data-bbox="336 1588 639 1632">Display</th> <th data-bbox="639 1588 1401 1632">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1632 639 1677">0</td> <td data-bbox="639 1632 1401 1677">Assigns the image rotation with the internal parameter</td> </tr> <tr> <td data-bbox="336 1677 639 1722">1</td> <td data-bbox="639 1677 1401 1722">Assigns the image rotation with the actual image</td> </tr> <tr> <td data-bbox="336 1722 639 1821">2</td> <td data-bbox="639 1722 1401 1821">Assigns the image rotation with the internal parameter (CTM rotation)</td> </tr> </tbody> </table> <p data-bbox="333 1827 517 1856">Initial setting: 0</p> <ol data-bbox="304 1861 767 1890" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Mode	Setting the image processing mode	Color Table	Setting the Color Table	Display	Description	Conf. Doc. Detection	Confidential document guard detection level	PDF Rotation	Processing the rotation of PDF images	Display	Description	Setting range	Initial setting	Conf. Doc. Detection	Confidential document guard detection level	1 to 5	1	Display	Description	0	Assigns the image rotation with the internal parameter	1	Assigns the image rotation with the actual image	2	Assigns the image rotation with the internal parameter (CTM rotation)
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Mode	Setting the image processing mode																												
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Item No.	Description																									
U485	<p data-bbox="290 241 564 273">Setting: [Color Table]</p> <p data-bbox="290 277 523 309">1. Select the item.</p> <table border="1" data-bbox="336 320 1401 703"> <thead> <tr> <th data-bbox="336 320 643 365">Display</th> <th data-bbox="643 320 1401 365">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 365 643 409">Color Table 1(Prn)</td> <td data-bbox="643 365 1401 409">Setting the printer color table (Default)</td> </tr> <tr> <td data-bbox="336 409 643 454">Color Table 2(Prn)</td> <td data-bbox="643 409 1401 454">Setting the printer color table (Custom)</td> </tr> <tr> <td data-bbox="336 454 643 499">Color Table 1(Copy)</td> <td data-bbox="643 454 1401 499">Setting the copy color table (Default)</td> </tr> <tr> <td data-bbox="336 499 643 544">Color Table 2(Copy)</td> <td data-bbox="643 499 1401 544">Setting the copy color table (Custom)</td> </tr> <tr> <td data-bbox="336 544 643 589">Install</td> <td data-bbox="643 544 1401 589">Install the printer color table</td> </tr> <tr> <td data-bbox="336 589 643 633">Uninstall (Prn)</td> <td data-bbox="643 589 1401 633">Uninstall the printer color table</td> </tr> <tr> <td data-bbox="336 633 643 703">Uninstall (Copy)</td> <td data-bbox="643 633 1401 703">Uninstall the copy color table</td> </tr> </tbody> </table> <p data-bbox="290 768 903 799">Setting: [Color Table 1(Prn)],[Color Table 2(Prn)]</p> <p data-bbox="290 804 887 902">1. Default/Custom printer color tables are shown. 2. Press the appropriate button. 3. Press the target button for switching</p> <table border="1" data-bbox="336 913 643 1346"> <thead> <tr> <th data-bbox="336 913 643 958">Display</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 958 643 1003">TYPE_CA</td> </tr> <tr> <td data-bbox="336 1003 643 1048">TYPE_FJ</td> </tr> <tr> <td data-bbox="336 1048 643 1093">TYPE_KO</td> </tr> <tr> <td data-bbox="336 1093 643 1137">TYPE_KY</td> </tr> <tr> <td data-bbox="336 1137 643 1182">TYPE_RH</td> </tr> <tr> <td data-bbox="336 1182 643 1227">TYPE_TO</td> </tr> <tr> <td data-bbox="336 1227 643 1272">TYPE_HE</td> </tr> <tr> <td data-bbox="336 1272 643 1346">TYPE_TO</td> </tr> </tbody> </table> <p data-bbox="290 1368 1134 1467">4. Press the Start key and [Complete] is displayed. 5. Press the reset key. 6. Once the screen changes to blue, turn the power switch off and on.</p>	Display	Description	Color Table 1(Prn)	Setting the printer color table (Default)	Color Table 2(Prn)	Setting the printer color table (Custom)	Color Table 1(Copy)	Setting the copy color table (Default)	Color Table 2(Copy)	Setting the copy color table (Custom)	Install	Install the printer color table	Uninstall (Prn)	Uninstall the printer color table	Uninstall (Copy)	Uninstall the copy color table	Display	TYPE_CA	TYPE_FJ	TYPE_KO	TYPE_KY	TYPE_RH	TYPE_TO	TYPE_HE	TYPE_TO
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Item No.	Description									
U485	<p>Setting: [Color Table 1(Copy)],[Color Table 2(Copy)]</p> <ol style="list-style-type: none"> 1. Default/Custom printer color tables are shown. 2. Press the appropriate button. 3. Press the target button for switching <table border="1" data-bbox="336 389 641 819"> <thead> <tr> <th data-bbox="336 389 641 439">Display</th> </tr> </thead> <tbody> <tr><td data-bbox="336 439 641 483">CTYPE_CA</td></tr> <tr><td data-bbox="336 483 641 528">CTYPE_FJ</td></tr> <tr><td data-bbox="336 528 641 573">CTYPE_KO</td></tr> <tr><td data-bbox="336 573 641 618">CTYPE_KY</td></tr> <tr><td data-bbox="336 618 641 663">CTYPE_RH</td></tr> <tr><td data-bbox="336 663 641 707">CTYPE_TO</td></tr> <tr><td data-bbox="336 707 641 752">CTYPE_J1</td></tr> <tr><td data-bbox="336 752 641 819">CTYPE_SH</td></tr> </tbody> </table> <ol style="list-style-type: none"> 4. Press the Start key and [Complete] is displayed. 5. Press the reset key. 6. Once the screen changes to blue, turn the power switch off and on. <ul style="list-style-type: none"> * : If either of Color Table 1(Copy) or Color Table 2(Copy) is set, its name is displayed in the Custom mode under Original Quality for copying. <p>Setting: [Install]</p> <ul style="list-style-type: none"> * : Before proceeding, make sure that the USB flash device that contains the color table files is inserted. The color table files must be placed in the root of the USB flash device. <ol style="list-style-type: none"> 1. Press the Execute button once it is activated. 2. Press the [Start] key. 3. Installation is completed when [OK] is displayed. <p>Setting: [Uninstall(Prn)/Uninstall(Copy)/]</p> <ol style="list-style-type: none"> 1. The color table currently being installed is displayed. 2. Select the color table you want to uninstall, then press the Start key. <ul style="list-style-type: none"> * : You can select more than one file to simultaneously uninstall them. <p>Completion</p> <p>Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	CTYPE_CA	CTYPE_FJ	CTYPE_KO	CTYPE_KY	CTYPE_RH	CTYPE_TO	CTYPE_J1	CTYPE_SH
Display										
CTYPE_CA										
CTYPE_FJ										
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CTYPE_KY										
CTYPE_RH										
CTYPE_TO										
CTYPE_J1										
CTYPE_SH										

Item No.	Description										
U486	<p data-bbox="287 241 874 275">Setting color/black and white operation mode</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 1358 409">When color and B/W documents are mixed, sets operation mode after a color document is detected.</p> <p data-bbox="287 412 400 445">Purpose</p> <p data-bbox="287 448 1401 546">To ensure productivity when copying color and B/W documents in ACS mode, select Mode3. However, selecting Mode3 will increase the maintenance count for cyan, magenta, and yellow color developer units even when there is a B/W original after a color original.</p> <p data-bbox="287 584 384 618">Setting</p> <ol data-bbox="304 620 564 685" style="list-style-type: none"> 1. Press the start key. 2. Select the mode. <table border="1" data-bbox="336 696 1401 1462"> <thead> <tr> <th data-bbox="336 696 475 741">Display</th> <th data-bbox="475 696 1401 741">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 741 475 875">Mode1</td> <td data-bbox="475 741 1401 875">A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is minimum. Color / monochrome mode is switched for every original.</td> </tr> <tr> <td data-bbox="336 875 475 1111">Mode2</td> <td data-bbox="475 875 1401 1111">A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is maximum. Printing in color mode resumes up to 10 pages in a row even an interrupt is made to switch to black and white mode, until printing is diverted to black and white mode from color mode at the 11th page (color processing is terminated).</td> </tr> <tr> <td data-bbox="336 1111 475 1312">Mode3</td> <td data-bbox="475 1111 1401 1312">A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is maximum. Mode suited for high color printing volume Once diverted to color mode, the black and white printings are executed in color processing mode.</td> </tr> <tr> <td data-bbox="336 1312 475 1462">Auto</td> <td data-bbox="475 1312 1401 1462">Mode that allows to select from modes 1 through 3 depending on the usage. Mode is selected from three modes depending on the percentage of color and black and white printings in the total number of print pages during a pre-determined period.</td> </tr> </tbody> </table> <p data-bbox="336 1480 584 1514">Initial setting: Mode2</p> <ol data-bbox="304 1516 783 1550" style="list-style-type: none"> 3. Press the start key. The setting is set. <p data-bbox="287 1585 440 1619">Completion</p> <p data-bbox="287 1621 1254 1655">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Mode1	A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is minimum. Color / monochrome mode is switched for every original.	Mode2	A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is maximum. Printing in color mode resumes up to 10 pages in a row even an interrupt is made to switch to black and white mode, until printing is diverted to black and white mode from color mode at the 11th page (color processing is terminated).	Mode3	A mode suited for the user with high black-and-white usage in which the occurrence of color printing during continuous printing is maximum. Mode suited for high color printing volume Once diverted to color mode, the black and white printings are executed in color processing mode.	Auto	Mode that allows to select from modes 1 through 3 depending on the usage. Mode is selected from three modes depending on the percentage of color and black and white printings in the total number of print pages during a pre-determined period.
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Item No.	Description
<p>U486</p>	<p>Details on the modes</p> <div data-bbox="288 331 1434 678"> <p>Mode 1</p> </div> <div data-bbox="288 725 1434 1081"> <p>Mode 2</p> </div> <div data-bbox="288 1137 1434 1494"> <p>Mode 3</p> </div> <p style="text-align: center;">Figure 1-3-47</p>

Item No.	Description																																																																												
U600	<p data-bbox="288 241 523 275">Initializing all data</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 409">Initializes software switches and all data in the backup data on the FAX control PWB, according to the destination and OEM.</p> <p data-bbox="288 414 1425 479">Executes the check of the file system, when abnormality of the file system is detected, initializes the file system, communication past record and register setting contents.</p> <p data-bbox="288 483 400 512">Purpose</p> <p data-bbox="288 517 687 546">To initialize the FAX control PWB.</p> <p data-bbox="288 589 387 618">Method</p> <ol data-bbox="304 622 1417 896" style="list-style-type: none"> 1. Press the start key. 2. Select [Country Code] and enter a destination code using the numeric keys. Refer to the destination code list on following for the destination code. OEM code is no operation necessary. 3. Select [Execute]. 4. Press the start key. Data initialization starts. To cancel data initialization, press the stop key. 5. After data initialization, ROM version are displayed. A ROM version displays three kinds, application, boot, and IPL. <p data-bbox="288 931 555 960">Destination code list</p> <table border="1" data-bbox="336 976 1401 1888"> <thead> <tr> <th data-bbox="336 976 488 1021">Code</th> <th data-bbox="488 976 868 1021">Destination</th> <th data-bbox="868 976 1019 1021">Code</th> <th data-bbox="1019 976 1401 1021">Destination</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1021 488 1066">000</td> <td data-bbox="488 1021 868 1066">Japan</td> <td data-bbox="868 1021 1019 1066">253</td> <td data-bbox="1019 1021 1401 1066">CTR21 (European nations)</td> </tr> <tr> <td data-bbox="336 1066 488 1111">009</td> <td data-bbox="488 1066 868 1111">Australia</td> <td data-bbox="868 1066 1019 1111"></td> <td data-bbox="1019 1066 1401 1111">Italy</td> </tr> <tr> <td data-bbox="336 1111 488 1155">038</td> <td data-bbox="488 1111 868 1155">China</td> <td data-bbox="868 1111 1019 1155"></td> <td data-bbox="1019 1111 1401 1155">Germany</td> </tr> <tr> <td data-bbox="336 1155 488 1200">080</td> <td data-bbox="488 1155 868 1200">Hong Kong</td> <td data-bbox="868 1155 1019 1200"></td> <td data-bbox="1019 1155 1401 1200">Spain</td> </tr> <tr> <td data-bbox="336 1200 488 1245">084</td> <td data-bbox="488 1200 868 1245">Indonesia</td> <td data-bbox="868 1200 1019 1245"></td> <td data-bbox="1019 1200 1401 1245">U.K.</td> </tr> <tr> <td data-bbox="336 1245 488 1290">088</td> <td data-bbox="488 1245 868 1290">Israel</td> <td data-bbox="868 1245 1019 1290"></td> <td data-bbox="1019 1245 1401 1290">Netherlands</td> </tr> <tr> <td data-bbox="336 1290 488 1335">097</td> <td data-bbox="488 1290 868 1335">Korea</td> <td data-bbox="868 1290 1019 1335"></td> <td data-bbox="1019 1290 1401 1335">Sweden</td> </tr> <tr> <td data-bbox="336 1335 488 1379">108</td> <td data-bbox="488 1335 868 1379">Malaysia</td> <td data-bbox="868 1335 1019 1379"></td> <td data-bbox="1019 1335 1401 1379">France</td> </tr> <tr> <td data-bbox="336 1379 488 1424">126</td> <td data-bbox="488 1379 868 1424">New Zealand</td> <td data-bbox="868 1379 1019 1424"></td> <td data-bbox="1019 1379 1401 1424">Austria</td> </tr> <tr> <td data-bbox="336 1424 488 1469">136</td> <td data-bbox="488 1424 868 1469">Peru</td> <td data-bbox="868 1424 1019 1469"></td> <td data-bbox="1019 1424 1401 1469">Switzerland</td> </tr> <tr> <td data-bbox="336 1469 488 1514">137</td> <td data-bbox="488 1469 868 1514">Philippines</td> <td data-bbox="868 1469 1019 1514"></td> <td data-bbox="1019 1469 1401 1514">Belgium</td> </tr> <tr> <td data-bbox="336 1514 488 1559">152</td> <td data-bbox="488 1514 868 1559">Middle East</td> <td data-bbox="868 1514 1019 1559"></td> <td data-bbox="1019 1514 1401 1559">Denmark</td> </tr> <tr> <td data-bbox="336 1559 488 1603">156</td> <td data-bbox="488 1559 868 1603">Singapore</td> <td data-bbox="868 1559 1019 1603"></td> <td data-bbox="1019 1559 1401 1603">Finland</td> </tr> <tr> <td data-bbox="336 1603 488 1648">159</td> <td data-bbox="488 1603 868 1648">South Africa</td> <td data-bbox="868 1603 1019 1648"></td> <td data-bbox="1019 1603 1401 1648">Portugal</td> </tr> <tr> <td data-bbox="336 1648 488 1693">169</td> <td data-bbox="488 1648 868 1693">Thailand</td> <td data-bbox="868 1648 1019 1693"></td> <td data-bbox="1019 1648 1401 1693">Ireland</td> </tr> <tr> <td data-bbox="336 1693 488 1738">181</td> <td data-bbox="488 1693 868 1738">U.S.A.</td> <td data-bbox="868 1693 1019 1738"></td> <td data-bbox="1019 1693 1401 1738">Norway</td> </tr> <tr> <td data-bbox="336 1738 488 1783">242</td> <td data-bbox="488 1738 868 1783">South America</td> <td data-bbox="868 1738 1019 1783">254</td> <td data-bbox="1019 1738 1401 1783">Taiwan</td> </tr> <tr> <td data-bbox="336 1783 488 1827">243</td> <td data-bbox="488 1783 868 1827">Saudi Arabia</td> <td data-bbox="868 1783 1019 1827"></td> <td data-bbox="1019 1783 1401 1827"></td> </tr> </tbody> </table>	Code	Destination	Code	Destination	000	Japan	253	CTR21 (European nations)	009	Australia		Italy	038	China		Germany	080	Hong Kong		Spain	084	Indonesia		U.K.	088	Israel		Netherlands	097	Korea		Sweden	108	Malaysia		France	126	New Zealand		Austria	136	Peru		Switzerland	137	Philippines		Belgium	152	Middle East		Denmark	156	Singapore		Finland	159	South Africa		Portugal	169	Thailand		Ireland	181	U.S.A.		Norway	242	South America	254	Taiwan	243	Saudi Arabia		
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Item No.	Description								
U601	<p>Initializing permanent data</p> <p>Description Initializes software switches on the FAX control PWB according to the destination and OEM.</p> <p>Purpose To initialize the FAX control PWB without changing user registration data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Country Code] and enter a destination code using the numeric keys. Refer to the destination code list on page 1-3-164 for the destination code. OEM code is no operation necessary. 3. Select [Execute]. 4. Press the start key. Data initialization starts. To cancel data initialization, press the back key. 5. After data initialization, ROM version are displayed. A ROM version displays three kinds, application, boot, and IPL. 								
U603	<p>Setting user data 1</p> <p>Description Makes user settings to enable the use of the machine as a fax.</p> <p>Purpose To be executed as required.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Line Type]. 3. Select the setting. <table border="1" data-bbox="336 1234 1401 1424"> <thead> <tr> <th data-bbox="336 1234 639 1279">Display</th> <th data-bbox="639 1234 1401 1279">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1279 639 1323">DTMF</td> <td data-bbox="639 1279 1401 1323">DTMF</td> </tr> <tr> <td data-bbox="336 1323 639 1368">10PPS</td> <td data-bbox="639 1323 1401 1368">10 PPS</td> </tr> <tr> <td data-bbox="336 1368 639 1424">20PPS</td> <td data-bbox="639 1368 1401 1424">20 PPS</td> </tr> </tbody> </table> <p>* : Initial setting: DTMF</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DTMF	DTMF	10PPS	10 PPS	20PPS	20 PPS
Display	Description								
DTMF	DTMF								
10PPS	10 PPS								
20PPS	20 PPS								

Item No.	Description						
U604	<p>Setting user data 2</p> <p>Description Makes user settings to enable the use of the machine as a fax.</p> <p>Purpose Use this if the user wishes to adjust the number of rings that occur before the unit switches into fax receiving mode when fax/telephone auto-select is enabled.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Rings(F/T) #]. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 667 1390 763"> <thead> <tr> <th data-bbox="336 667 564 712">Display</th> <th data-bbox="564 667 1193 712">Description</th> <th data-bbox="1193 667 1390 712">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 564 763">Rings(F/T) #</td> <td data-bbox="564 712 1193 763">Number of fax/telephone rings</td> <td data-bbox="1193 712 1390 763">0 to 15</td> </tr> </tbody> </table> <p>* : If you set this to 0, the unit will start fax reception without any ringing.</p> <ol style="list-style-type: none"> 4. Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Rings(F/T) #	Number of fax/telephone rings	0 to 15
Display	Description	Setting range					
Rings(F/T) #	Number of fax/telephone rings	0 to 15					
U605	<p>Clearing data</p> <p>Description Initializes data related to the fax transmission such as transmission history.</p> <p>Purpose To clear the transmission history.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [CLEAR COM.REC.]. 3. Press the start key. Initialization processing starts. When processing is finished, [Completed] is displayed. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>						

Item No.	Description																				
U610	<p data-bbox="290 241 502 275">Setting system 1</p> <p data-bbox="290 309 438 342">Description</p> <p data-bbox="290 344 1404 412">Makes settings for fax reception regarding the sizes of the fax paper and received images and automatic printing of the protocol list.</p> <p data-bbox="290 450 391 483">Method</p> <ol data-bbox="306 486 630 553" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 562 1401 860"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 685">Cut Line(100%)</td> <td data-bbox="639 607 1401 685">Sets the number of lines to be ignored when receiving a fax at 100% magnification.</td> </tr> <tr> <td data-bbox="336 685 639 763">Cut Line(Auto)</td> <td data-bbox="639 685 1401 763">Sets the number of lines to be ignored when receiving a fax in the auto reduction mode.</td> </tr> <tr> <td data-bbox="336 763 639 860">Cut Line(A4)</td> <td data-bbox="639 763 1401 860">Sets the number of lines to be ignored when receiving a fax (A4R/LetterR) in the auto reduction mode.</td> </tr> </tbody> </table> <p data-bbox="290 904 603 938">Setting:[Cut Line(100%)]</p> <p data-bbox="290 940 1431 1039">Sets the maximum number of lines to be ignored if the received data volume exceeds the recording capacity when recording the data at 100% magnification. If the number of excess lines is below the setting, those lines are ignored. If over the setting, they are recorded on the next page.</p> <ol data-bbox="306 1041 981 1075" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1084 1401 1216"> <thead> <tr> <th data-bbox="336 1084 1034 1167">Description</th> <th data-bbox="1034 1084 1217 1167">Setting range</th> <th data-bbox="1217 1084 1401 1167">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1167 1034 1216">Number of lines to be ignored when receiving at 100%</td> <td data-bbox="1034 1167 1217 1216">0 to 22</td> <td data-bbox="1217 1167 1401 1216">3</td> </tr> </tbody> </table> <p data-bbox="336 1261 1364 1328">* : Increase the setting if a blank second page is output, and decrease it if the received image does not include the entire transmitted data.</p> <ol data-bbox="306 1330 766 1364" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="290 1397 595 1431">Setting:[Cut Line(Auto)]</p> <p data-bbox="290 1433 1431 1568">Sets the maximum number of lines to be ignored if the received data volume exceeds the recording capacity when the data is recorded in the auto reduction mode. If the number of excess lines is below the setting, those lines are ignored. If over the setting, the entire data on a page is further reduced so that it can be recorded on the same page.</p> <ol data-bbox="306 1570 981 1603" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1612 1401 1780"> <thead> <tr> <th data-bbox="336 1612 1034 1695">Description</th> <th data-bbox="1034 1612 1217 1695">Setting range</th> <th data-bbox="1217 1612 1401 1695">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1695 1034 1780">Number of lines to be ignored when receiving in the auto reduction mode</td> <td data-bbox="1034 1695 1217 1780">0 to 22</td> <td data-bbox="1217 1695 1401 1780">0</td> </tr> </tbody> </table> <p data-bbox="336 1792 1396 1890">* : Increase the setting if a page received in the reduction mode is over-reduced and too much trailing edge margin is left. Decrease it if the received image does not include all transmitted data.</p> <ol data-bbox="306 1892 766 1926" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	Cut Line(100%)	Sets the number of lines to be ignored when receiving a fax at 100% magnification.	Cut Line(Auto)	Sets the number of lines to be ignored when receiving a fax in the auto reduction mode.	Cut Line(A4)	Sets the number of lines to be ignored when receiving a fax (A4R/LetterR) in the auto reduction mode.	Description	Setting range	Initial setting	Number of lines to be ignored when receiving at 100%	0 to 22	3	Description	Setting range	Initial setting	Number of lines to be ignored when receiving in the auto reduction mode	0 to 22	0
Display	Description																				
Cut Line(100%)	Sets the number of lines to be ignored when receiving a fax at 100% magnification.																				
Cut Line(Auto)	Sets the number of lines to be ignored when receiving a fax in the auto reduction mode.																				
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Description	Setting range	Initial setting																			
Number of lines to be ignored when receiving at 100%	0 to 22	3																			
Description	Setting range	Initial setting																			
Number of lines to be ignored when receiving in the auto reduction mode	0 to 22	0																			

Item No.	Description						
U610	<p>Setting:[Cut Line(A4)] Sets the maximum number of lines to be ignored if the received data volume exceeds the recording capacity when the data is recorded in the auto reduction mode onto A4R or LetterR paper under the conditions below. If the number of excess lines is below the setting, those lines are ignored. If over the setting, the entire data on a page is further reduced so that it can be recorded on the same page.</p> <p>1. Change the setting using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 495 1398 658"> <thead> <tr> <th data-bbox="336 495 1034 577">Description</th> <th data-bbox="1034 495 1216 577">Setting range</th> <th data-bbox="1216 495 1398 577">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 577 1034 658">Number of lines to be ignored when receiving a fax (A4R, letter) in the auto reduction mode</td> <td data-bbox="1034 577 1216 658">0 to 22</td> <td data-bbox="1216 577 1398 658">0</td> </tr> </tbody> </table> <p>* : Increase the setting if a page received in the reduction mode is over-reduced and too much trailing edge margin is left. Decrease it if the received image does not include all transmitted data.</p> <p>2. Press the start key. The value is set.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Number of lines to be ignored when receiving a fax (A4R, letter) in the auto reduction mode	0 to 22	0
Description	Setting range	Initial setting					
Number of lines to be ignored when receiving a fax (A4R, letter) in the auto reduction mode	0 to 22	0					

Item No.	Description																										
U611	<p data-bbox="287 241 507 275">Setting system 2</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 1005 378">Sets the number of adjustment lines for automatic reduction.</p> <p data-bbox="287 412 387 445">Method</p> <ol data-bbox="303 448 633 515" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 524 1399 788"> <thead> <tr> <th data-bbox="336 524 639 568">Display</th> <th data-bbox="639 524 1399 568">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 568 639 613">Adj Lines</td> <td data-bbox="639 568 1399 613">Sets the number of adjustment lines for automatic reduction.</td> </tr> <tr> <td data-bbox="336 613 639 703">Adj Lines(A4)</td> <td data-bbox="639 613 1399 703">Sets the number of adjustment lines for automatic reduction when A4 paper is set.</td> </tr> <tr> <td data-bbox="336 703 639 788">Adj Lines(LT)</td> <td data-bbox="639 703 1399 788">Sets the number of adjustment lines for automatic reduction when letter size paper is set.</td> </tr> </tbody> </table> <p data-bbox="287 826 531 860">Setting:[Adj Lines]</p> <p data-bbox="287 862 1005 896">Sets the number of adjustment lines for automatic reduction.</p> <ol data-bbox="303 898 1128 931" style="list-style-type: none"> 1. Change the setting using the cursor left/right keys or numeric keys. <table border="1" data-bbox="336 940 1399 1072"> <thead> <tr> <th data-bbox="336 940 1035 1028">Description</th> <th data-bbox="1035 940 1217 1028">Setting range</th> <th data-bbox="1217 940 1399 1028">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1028 1035 1072">Number of adjustment lines for automatic reduction</td> <td data-bbox="1035 1028 1217 1072">0 to 22</td> <td data-bbox="1217 1028 1399 1072">7</td> </tr> </tbody> </table> <ol data-bbox="303 1084 766 1117" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1153 584 1187">Setting:[Adj Lines(A4)]</p> <p data-bbox="287 1189 1262 1223">Sets the number of adjustment lines for automatic reduction when A4 paper is set.</p> <ol data-bbox="303 1225 1128 1258" style="list-style-type: none"> 1. Change the setting using the cursor left/right keys or numeric keys. <table border="1" data-bbox="336 1267 1399 1433"> <thead> <tr> <th data-bbox="336 1267 1035 1355">Description</th> <th data-bbox="1035 1267 1217 1355">Setting range</th> <th data-bbox="1217 1267 1399 1355">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1355 1035 1433">Number of adjustment lines for automatic reduction when A4 paper is set</td> <td data-bbox="1035 1355 1217 1433">0 to 22</td> <td data-bbox="1217 1355 1399 1433">22</td> </tr> </tbody> </table> <ol data-bbox="303 1444 766 1478" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1514 579 1547">Setting:[Adj Lines(LT)]</p> <p data-bbox="287 1550 1345 1583">Sets the number of adjustment lines for automatic reduction when letter size paper is set.</p> <ol data-bbox="303 1585 1128 1619" style="list-style-type: none"> 1. Change the setting using the cursor left/right keys or numeric keys. <table border="1" data-bbox="336 1628 1399 1794"> <thead> <tr> <th data-bbox="336 1628 1035 1715">Description</th> <th data-bbox="1035 1628 1217 1715">Setting range</th> <th data-bbox="1217 1628 1399 1715">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1715 1035 1794">Number of adjustment lines for automatic reduction when letter size paper is set</td> <td data-bbox="1035 1715 1217 1794">0 to 26</td> <td data-bbox="1217 1715 1399 1794">26</td> </tr> </tbody> </table> <ol data-bbox="303 1805 766 1839" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="287 1874 440 1908">Completion</p> <p data-bbox="287 1910 1256 1944">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Adj Lines	Sets the number of adjustment lines for automatic reduction.	Adj Lines(A4)	Sets the number of adjustment lines for automatic reduction when A4 paper is set.	Adj Lines(LT)	Sets the number of adjustment lines for automatic reduction when letter size paper is set.	Description	Setting range	Initial setting	Number of adjustment lines for automatic reduction	0 to 22	7	Description	Setting range	Initial setting	Number of adjustment lines for automatic reduction when A4 paper is set	0 to 22	22	Description	Setting range	Initial setting	Number of adjustment lines for automatic reduction when letter size paper is set	0 to 26	26
Display	Description																										
Adj Lines	Sets the number of adjustment lines for automatic reduction.																										
Adj Lines(A4)	Sets the number of adjustment lines for automatic reduction when A4 paper is set.																										
Adj Lines(LT)	Sets the number of adjustment lines for automatic reduction when letter size paper is set.																										
Description	Setting range	Initial setting																									
Number of adjustment lines for automatic reduction	0 to 22	7																									
Description	Setting range	Initial setting																									
Number of adjustment lines for automatic reduction when A4 paper is set	0 to 22	22																									
Description	Setting range	Initial setting																									
Number of adjustment lines for automatic reduction when letter size paper is set	0 to 26	26																									

Item No.	Description																				
U612	<p data-bbox="288 241 507 275">Setting system 3</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1398 409">Makes settings for fax transmission regarding operation and automatic printing of the protocol list.</p> <p data-bbox="288 450 387 479">Method</p> <ol data-bbox="304 486 632 548" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 562 1401 741"> <thead> <tr> <th data-bbox="336 562 639 607">Display</th> <th data-bbox="639 562 1401 607">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 607 639 696">Auto Reduct</td> <td data-bbox="639 607 1401 696">Selects if auto reduction in the auxiliary direction is to be performed.</td> </tr> <tr> <td data-bbox="336 696 639 741">Protocol List</td> <td data-bbox="639 696 1401 741">Sets the automatic printing of the protocol list.</td> </tr> </tbody> </table> <p data-bbox="288 786 568 815">Setting:[Auto Reduct]</p> <p data-bbox="288 819 1426 884">Sets whether to receive a long document by automatically reducing it in the auxiliary direction or at 100% magnification.</p> <ol data-bbox="304 891 632 920" style="list-style-type: none"> 1. Select the item to be set. <table border="1" data-bbox="336 934 1401 1113"> <thead> <tr> <th data-bbox="336 934 639 978">Display</th> <th data-bbox="639 934 1401 978">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 978 639 1068">On</td> <td data-bbox="639 978 1401 1068">Auto reduction is performed if the received document is longer than the fax paper.</td> </tr> <tr> <td data-bbox="336 1068 639 1113">Off</td> <td data-bbox="639 1068 1401 1113">Auto reduction is not performed.</td> </tr> </tbody> </table> <p data-bbox="336 1122 576 1151">* : Initial setting: On</p> <ol data-bbox="304 1158 780 1187" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1227 572 1256">Setting:[Protocol List]</p> <p data-bbox="288 1261 884 1290">Sets if the protocol list is automatically printed out.</p> <ol data-bbox="304 1296 632 1326" style="list-style-type: none"> 1. Select the item to be set. <table border="1" data-bbox="336 1339 1401 1599"> <thead> <tr> <th data-bbox="336 1339 639 1384">Display</th> <th data-bbox="639 1339 1401 1384">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1384 639 1429">Off</td> <td data-bbox="639 1384 1401 1429">The protocol list is not printed out automatically.</td> </tr> <tr> <td data-bbox="336 1429 639 1518">Err</td> <td data-bbox="639 1429 1401 1518">The protocol list is automatically printed out after communication only if a communication error occurs.</td> </tr> <tr> <td data-bbox="336 1518 639 1599">On</td> <td data-bbox="639 1518 1401 1599">The protocol list is automatically printed out after communication.</td> </tr> </tbody> </table> <p data-bbox="336 1608 576 1637">* : Initial setting: Off</p> <ol data-bbox="304 1644 780 1673" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1713 440 1742">Completion</p> <p data-bbox="288 1747 1254 1776">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Auto Reduct	Selects if auto reduction in the auxiliary direction is to be performed.	Protocol List	Sets the automatic printing of the protocol list.	Display	Description	On	Auto reduction is performed if the received document is longer than the fax paper.	Off	Auto reduction is not performed.	Display	Description	Off	The protocol list is not printed out automatically.	Err	The protocol list is automatically printed out after communication only if a communication error occurs.	On	The protocol list is automatically printed out after communication.
Display	Description																				
Auto Reduct	Selects if auto reduction in the auxiliary direction is to be performed.																				
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Display	Description																				
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Err	The protocol list is automatically printed out after communication only if a communication error occurs.																				
On	The protocol list is automatically printed out after communication.																				

Item No.	Description						
U615	<p>Setting system 6</p> <p>Description Makes settings for fax reception regarding the sizes of the fax paper and received images.</p> <p>Purpose To set the maximum recording width and processing method when 11" width fax paper is loaded on an inch specification machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [RX Width For 11"]. 3. Select the item to be set. <table border="1" data-bbox="336 667 1401 846"> <thead> <tr> <th data-bbox="336 667 641 712">Display</th> <th data-bbox="641 667 1401 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 641 801">Ledger</td> <td data-bbox="641 712 1401 801">Communicates to the destination unit 11" width as A3 width and records at 100% magnifications.</td> </tr> <tr> <td data-bbox="336 801 641 846">B4</td> <td data-bbox="641 801 1401 846">Communicates to the destination unit 11" width as B4 width.</td> </tr> </tbody> </table> <p>* : Initial setting: Ledger</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Ledger	Communicates to the destination unit 11" width as A3 width and records at 100% magnifications.	B4	Communicates to the destination unit 11" width as B4 width.
Display	Description						
Ledger	Communicates to the destination unit 11" width as A3 width and records at 100% magnifications.						
B4	Communicates to the destination unit 11" width as B4 width.						
U620	<p>Setting the remote switching mode</p> <p>Description Sets the signal detection method for remote switching. Be sure to change the setting according to the type of telephone connected to the machine.</p> <p>Setting</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Remort Mode]. 3. Select the mode. <table border="1" data-bbox="336 1433 1401 1579"> <thead> <tr> <th data-bbox="336 1433 641 1478">Display</th> <th data-bbox="641 1433 1401 1478">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1478 641 1523">One</td> <td data-bbox="641 1478 1401 1523">One-shot detection</td> </tr> <tr> <td data-bbox="336 1523 641 1579">Cont</td> <td data-bbox="641 1523 1401 1579">Continuous detection</td> </tr> </tbody> </table> <p>* : Initial setting: One</p> <ol style="list-style-type: none"> 4. Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	One	One-shot detection	Cont	Continuous detection
Display	Description						
One	One-shot detection						
Cont	Continuous detection						

Item No.	Description																		
U625	<p data-bbox="288 241 724 275">Setting the transmission system 1</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1315 376">Makes settings for the auto redialing interval and the number of times of auto redialing.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1426 515">Change the setting to prevent the following problems: fax transmission is not possible due to too short redial interval, or fax transmission takes too much time to complete due to too long redial interval.</p> <p data-bbox="288 553 387 582">Method</p> <ol data-bbox="304 586 632 651" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 665 1399 808"> <thead> <tr> <th data-bbox="336 665 639 712">Display</th> <th data-bbox="639 665 1399 712">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 712 639 759">Interval</td> <td data-bbox="639 712 1399 759">Setting the auto redialing interval</td> </tr> <tr> <td data-bbox="336 759 639 808">Times</td> <td data-bbox="639 759 1399 808">Setting the number of times of auto redialing</td> </tr> </tbody> </table> <p data-bbox="288 853 504 882">Setting:[Interval]</p> <ol data-bbox="304 887 983 918" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 929 1399 1025"> <thead> <tr> <th data-bbox="336 929 868 976">Description</th> <th data-bbox="868 929 1096 976">Setting range</th> <th data-bbox="1096 929 1399 976">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 976 868 1025">Redialing interval</td> <td data-bbox="868 976 1096 1025">1 to 9 (min.)</td> <td data-bbox="1096 976 1399 1025">3 (120 V)/2 (220-240 V)</td> </tr> </tbody> </table> <ol data-bbox="304 1034 767 1066" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1104 488 1133">Setting:[Times]</p> <ol data-bbox="304 1137 983 1169" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1180 1399 1276"> <thead> <tr> <th data-bbox="336 1180 868 1227">Description</th> <th data-bbox="868 1180 1096 1227">Setting range</th> <th data-bbox="1096 1180 1399 1227">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1227 868 1276">Number of redialing</td> <td data-bbox="868 1227 1096 1276">0 to 15</td> <td data-bbox="1096 1227 1399 1276">2 (120 V)/3 (220-240 V)</td> </tr> </tbody> </table> <ol data-bbox="304 1285 767 1317" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1355 440 1384">Completion</p> <p data-bbox="288 1388 1254 1420">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Interval	Setting the auto redialing interval	Times	Setting the number of times of auto redialing	Description	Setting range	Initial setting	Redialing interval	1 to 9 (min.)	3 (120 V)/2 (220-240 V)	Description	Setting range	Initial setting	Number of redialing	0 to 15	2 (120 V)/3 (220-240 V)
Display	Description																		
Interval	Setting the auto redialing interval																		
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Description	Setting range	Initial setting																	
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Description	Setting range	Initial setting																	
Number of redialing	0 to 15	2 (120 V)/3 (220-240 V)																	

Item No.	Description																														
U630	<p data-bbox="288 241 707 275">Setting communication control 1</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1069 376">Makes settings for fax transmission regarding the communication.</p> <p data-bbox="288 414 387 443">Method</p> <ol data-bbox="304 450 632 515" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 526 1401 837"> <thead> <tr> <th data-bbox="336 526 639 577">Display</th> <th data-bbox="639 526 1401 577">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 577 639 622">TX Speed</td> <td data-bbox="639 577 1401 622">Sets the communication starting speed.</td> </tr> <tr> <td data-bbox="336 622 639 667">RX Speed</td> <td data-bbox="639 622 1401 667">Sets the reception speed.</td> </tr> <tr> <td data-bbox="336 667 639 757">TX Echo</td> <td data-bbox="639 667 1401 757">Sets the waiting period to prevent echo problems at the sender.</td> </tr> <tr> <td data-bbox="336 757 639 837">RX Echo</td> <td data-bbox="639 757 1401 837">Sets the waiting period to prevent echo problems at the receiver.</td> </tr> </tbody> </table> <p data-bbox="288 882 531 913">Setting:[TX Speed]</p> <p data-bbox="288 918 1418 983">Sets the initial communication speed when starting transmission. When the destination unit has V.34 capability, V.34 is selected for transmission, regardless of this setting.</p> <ol data-bbox="304 987 549 1019" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1028 1401 1270"> <thead> <tr> <th data-bbox="336 1028 639 1079">Display</th> <th data-bbox="639 1028 1401 1079">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1079 639 1124">14400bps/V17</td> <td data-bbox="639 1079 1401 1124">V.17, 14400 bps</td> </tr> <tr> <td data-bbox="336 1124 639 1169">9600bps/V29</td> <td data-bbox="639 1124 1401 1169">V.17, 9600 bps</td> </tr> <tr> <td data-bbox="336 1169 639 1214">4800bps/V27ter</td> <td data-bbox="639 1169 1401 1214">V.27ter, 4800 bps</td> </tr> <tr> <td data-bbox="336 1214 639 1270">2400bps/V27ter</td> <td data-bbox="639 1214 1401 1270">V.27ter, 2400 bps</td> </tr> </tbody> </table> <p data-bbox="336 1276 713 1308">* : Initial setting: 14400bps/V17</p> <ol data-bbox="304 1312 782 1344" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1379 536 1411">Setting:[RX Speed]</p> <p data-bbox="288 1415 1410 1480">Sets the reception speed that the sender is informed of using the DIS or NSF signal. When the destination unit has V.34 capability, V.34 is selected, regardless of the setting.</p> <ol data-bbox="304 1485 549 1516" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1525 1401 1769"> <thead> <tr> <th data-bbox="336 1525 639 1576">Display</th> <th data-bbox="639 1525 1401 1576">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1576 639 1621">14400bps</td> <td data-bbox="639 1576 1401 1621">V.17, V.33, V.29, V.27ter</td> </tr> <tr> <td data-bbox="336 1621 639 1666">9600bps</td> <td data-bbox="639 1621 1401 1666">V.29, V.27ter</td> </tr> <tr> <td data-bbox="336 1666 639 1711">4800bps</td> <td data-bbox="639 1666 1401 1711">V.27ter</td> </tr> <tr> <td data-bbox="336 1711 639 1769">2400bps</td> <td data-bbox="639 1711 1401 1769">V.27ter (fallback only)</td> </tr> </tbody> </table> <p data-bbox="336 1776 659 1807">* : Initial setting: 14400bps</p> <ol data-bbox="304 1812 782 1843" style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	TX Speed	Sets the communication starting speed.	RX Speed	Sets the reception speed.	TX Echo	Sets the waiting period to prevent echo problems at the sender.	RX Echo	Sets the waiting period to prevent echo problems at the receiver.	Display	Description	14400bps/V17	V.17, 14400 bps	9600bps/V29	V.17, 9600 bps	4800bps/V27ter	V.27ter, 4800 bps	2400bps/V27ter	V.27ter, 2400 bps	Display	Description	14400bps	V.17, V.33, V.29, V.27ter	9600bps	V.29, V.27ter	4800bps	V.27ter	2400bps	V.27ter (fallback only)
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Item No.	Description												
U630	<p data-bbox="287 241 518 275">Setting:[TX Echo]</p> <p data-bbox="287 277 1423 338">Sets the period before a DCS signal is sent after a DIS signal is received. Used when problems occur due to echoes at the sender.</p> <p data-bbox="303 340 550 374">1. Select the setting.</p> <table border="1" data-bbox="335 387 1401 533"> <thead> <tr> <th data-bbox="335 387 641 432">Display</th> <th data-bbox="641 387 1401 432">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="335 432 641 477">500</td> <td data-bbox="641 432 1401 477">Sends a DCS 500 ms after receiving a DIS.</td> </tr> <tr> <td data-bbox="335 477 641 533">300</td> <td data-bbox="641 477 1401 533">Sends a DCS 300 ms after receiving a DIS.</td> </tr> </tbody> </table> <p data-bbox="335 539 582 573">* : Initial setting: 300</p> <p data-bbox="303 575 782 609">2. Press the start key. The setting is set.</p> <p data-bbox="287 645 518 678">Setting:[RX Echo]</p> <p data-bbox="287 680 1391 741">Sets the period before an NSF, CSI or DIS signal is sent after a CED signal is received. Used when problems occur due to echoes at the receiver.</p> <p data-bbox="303 743 550 777">1. Select the setting.</p> <table border="1" data-bbox="335 790 1401 936"> <thead> <tr> <th data-bbox="335 790 641 835">Display</th> <th data-bbox="641 790 1401 835">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="335 835 641 880">500</td> <td data-bbox="641 835 1401 880">Sends an NSF, CSI or DIS 500 ms after receiving a CED.</td> </tr> <tr> <td data-bbox="335 880 641 936">75</td> <td data-bbox="641 880 1401 936">Sends an NSF, CSI or DIS 75 ms after receiving a CED.</td> </tr> </tbody> </table> <p data-bbox="335 943 574 976">* : Initial setting: 75</p> <p data-bbox="303 978 782 1012">2. Press the start key. The setting is set.</p> <p data-bbox="287 1048 438 1081">Completion</p> <p data-bbox="287 1084 1252 1117">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	500	Sends a DCS 500 ms after receiving a DIS.	300	Sends a DCS 300 ms after receiving a DIS.	Display	Description	500	Sends an NSF, CSI or DIS 500 ms after receiving a CED.	75	Sends an NSF, CSI or DIS 75 ms after receiving a CED.
Display	Description												
500	Sends a DCS 500 ms after receiving a DIS.												
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75	Sends an NSF, CSI or DIS 75 ms after receiving a CED.												

Item No.	Description																										
U631	<p data-bbox="288 241 710 271">Setting communication control 2</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 799 374">Makes settings regarding fax transmission.</p> <p data-bbox="288 414 387 443">Method</p> <ol data-bbox="304 448 632 515" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 524 1401 719"> <thead> <tr> <th data-bbox="336 524 639 573">Display</th> <th data-bbox="639 524 1401 573">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 573 639 622">ECM TX</td> <td data-bbox="639 573 1401 622">Sets ECM transmission.</td> </tr> <tr> <td data-bbox="336 622 639 672">ECM RX</td> <td data-bbox="639 622 1401 672">Sets ECM reception.</td> </tr> <tr> <td data-bbox="336 672 639 719">CED Freq</td> <td data-bbox="639 672 1401 719">Sets the frequency of the CED signal.</td> </tr> </tbody> </table> <p data-bbox="288 759 512 788">Setting:[ECM TX]</p> <p data-bbox="288 792 1374 860">To be set to Off when reduction of transmission costs is of higher priority than image quality. This should not be set to Off when connecting to the IP (Internet Protocol) telephone line.</p> <ol data-bbox="304 864 549 893" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 902 1401 1052"> <thead> <tr> <th data-bbox="336 902 639 952">Display</th> <th data-bbox="639 902 1401 952">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 952 639 1001">On</td> <td data-bbox="639 952 1401 1001">ECM transmission is enabled.</td> </tr> <tr> <td data-bbox="336 1001 639 1052">Off</td> <td data-bbox="639 1001 1401 1052">ECM transmission is disabled.</td> </tr> </tbody> </table> <p data-bbox="336 1061 576 1090">* : Initial setting: On</p> <ol data-bbox="304 1095 780 1124" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1164 512 1193">Setting:[ECM RX]</p> <p data-bbox="288 1198 1374 1265">To be set to Off when reduction of transmission costs is of higher priority than image quality. This should not be set to Off when connecting to the IP (Internet Protocol) telephone line.</p> <ol data-bbox="304 1270 549 1299" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1308 1401 1458"> <thead> <tr> <th data-bbox="336 1308 639 1357">Display</th> <th data-bbox="639 1308 1401 1357">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1357 639 1406">On</td> <td data-bbox="639 1357 1401 1406">ECM reception is enabled.</td> </tr> <tr> <td data-bbox="336 1406 639 1458">Off</td> <td data-bbox="639 1406 1401 1458">ECM reception is disabled.</td> </tr> </tbody> </table> <p data-bbox="336 1467 576 1496">* : Initial setting: On</p> <ol data-bbox="304 1500 780 1529" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1570 531 1599">Setting:[CED Freq]</p> <p data-bbox="288 1603 1431 1671">Sets the frequency of the CED signal. Used as one of the measures to improve transmission performance for international communications.</p> <ol data-bbox="304 1675 549 1704" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1713 1401 1863"> <thead> <tr> <th data-bbox="336 1713 639 1762">Display</th> <th data-bbox="639 1713 1401 1762">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1762 639 1812">2100</td> <td data-bbox="639 1762 1401 1812">2100 Hz</td> </tr> <tr> <td data-bbox="336 1812 639 1863">1100</td> <td data-bbox="639 1812 1401 1863">1100 Hz</td> </tr> </tbody> </table> <p data-bbox="336 1872 600 1901">* : Initial setting: 2100</p> <ol data-bbox="304 1906 780 1935" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1975 440 2004">Completion</p> <p data-bbox="288 2009 1254 2038">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	ECM TX	Sets ECM transmission.	ECM RX	Sets ECM reception.	CED Freq	Sets the frequency of the CED signal.	Display	Description	On	ECM transmission is enabled.	Off	ECM transmission is disabled.	Display	Description	On	ECM reception is enabled.	Off	ECM reception is disabled.	Display	Description	2100	2100 Hz	1100	1100 Hz
Display	Description																										
ECM TX	Sets ECM transmission.																										
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Display	Description																										
2100	2100 Hz																										
1100	1100 Hz																										

Item No.	Description																		
U632	<p data-bbox="288 241 710 275">Setting communication control 3</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1069 376">Makes settings for fax transmission regarding the communication.</p> <p data-bbox="288 414 387 443">Method</p> <ol data-bbox="304 450 632 515" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 526 1401 705"> <thead> <tr> <th data-bbox="336 526 641 577">Display</th> <th data-bbox="641 526 1401 577">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 577 641 622">DIS 4Byte</td> <td data-bbox="641 577 1401 622">Sets the DIS signal to 4 bytes.</td> </tr> <tr> <td data-bbox="336 622 641 705">Num OF CNG(F/T)</td> <td data-bbox="641 622 1401 705">Sets the CNG detection times in the fax/telephone auto select mode.</td> </tr> </tbody> </table> <p data-bbox="288 748 536 781">Setting:[DIS 4Byte]</p> <p data-bbox="288 786 976 817">Sets if bit 33 and later bits of the DIS/DTC signal are sent.</p> <ol data-bbox="304 822 549 853" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 864 1401 1008"> <thead> <tr> <th data-bbox="336 864 641 916">Display</th> <th data-bbox="641 864 1401 916">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 916 641 960">On</td> <td data-bbox="641 916 1401 960">Bit 33 and later bits of the DIS/DTC signal are not sent.</td> </tr> <tr> <td data-bbox="336 960 641 1008">Off</td> <td data-bbox="641 960 1401 1008">Bit 33 and later bits of the DIS/DTC signal are sent.</td> </tr> </tbody> </table> <p data-bbox="336 1014 576 1046">* : Initial setting: Off</p> <ol data-bbox="304 1050 782 1081" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1120 639 1153">Setting:[Num OF CNG(F/T)]</p> <p data-bbox="288 1158 1101 1189">Sets the CNG detection times in the fax/telephone auto select mode.</p> <ol data-bbox="304 1193 549 1225" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1236 1401 1379"> <thead> <tr> <th data-bbox="336 1236 641 1288">Display</th> <th data-bbox="641 1236 1401 1288">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1288 641 1332">1Time</td> <td data-bbox="641 1288 1401 1332">Detects CNG once.</td> </tr> <tr> <td data-bbox="336 1332 641 1379">2Time</td> <td data-bbox="641 1332 1401 1379">Detects CNG twice.</td> </tr> </tbody> </table> <p data-bbox="336 1386 614 1417">* : Initial setting: 2Time</p> <ol data-bbox="304 1422 782 1453" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1491 440 1520">Completion</p> <p data-bbox="288 1525 1256 1556">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DIS 4Byte	Sets the DIS signal to 4 bytes.	Num OF CNG(F/T)	Sets the CNG detection times in the fax/telephone auto select mode.	Display	Description	On	Bit 33 and later bits of the DIS/DTC signal are not sent.	Off	Bit 33 and later bits of the DIS/DTC signal are sent.	Display	Description	1Time	Detects CNG once.	2Time	Detects CNG twice.
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2Time	Detects CNG twice.																		

Item No.	Description																										
U633	<p data-bbox="288 241 710 271">Setting communication control 4</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1070 374">Makes settings for fax transmission regarding the communication.</p> <p data-bbox="288 378 400 407">Purpose</p> <p data-bbox="288 412 1018 441">To reduce transmission errors when a low quality line is used.</p> <p data-bbox="288 481 387 510">Method</p> <ol data-bbox="304 515 632 580" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1399 835"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">V.34</td> <td data-bbox="639 640 1399 685">Enables or disables V.34 communication.</td> </tr> <tr> <td data-bbox="336 685 639 730">V.34-3429Hz</td> <td data-bbox="639 685 1399 730">Sets the V.34 symbol speed (3429 Hz).</td> </tr> <tr> <td data-bbox="336 730 639 775">DIS 2Res</td> <td data-bbox="639 730 1399 775">Sets the number of times of DIS signal reception.</td> </tr> <tr> <td data-bbox="336 775 639 835">RTN Check</td> <td data-bbox="639 775 1399 835">Sets the reference for RTN signal output.</td> </tr> </tbody> </table> <p data-bbox="288 880 464 909">Setting:[V.34]</p> <p data-bbox="288 913 1305 943">Sets whether V.34 communication is enabled/disabled for transmission and reception.</p> <ol data-bbox="304 947 549 976" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 992 1399 1232"> <thead> <tr> <th data-bbox="336 992 563 1037">Display</th> <th data-bbox="563 992 1399 1037">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1037 563 1081">On</td> <td data-bbox="563 1037 1399 1081">V.34 communication is enabled for both transmission and reception.</td> </tr> <tr> <td data-bbox="336 1081 563 1126">TX</td> <td data-bbox="563 1081 1399 1126">V.34 communication is enabled for transmission only.</td> </tr> <tr> <td data-bbox="336 1126 563 1171">RX</td> <td data-bbox="563 1126 1399 1171">V.34 communication is enabled for reception only.</td> </tr> <tr> <td data-bbox="336 1171 563 1232">Off</td> <td data-bbox="563 1171 1399 1232">V.34 communication is disabled for both transmission and reception.</td> </tr> </tbody> </table> <p data-bbox="336 1240 576 1270">* : Initial setting: On</p> <ol data-bbox="304 1274 782 1303" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1344 563 1373">Setting:[V.34-3429Hz]</p> <p data-bbox="288 1377 850 1406">Sets if the V.34 symbol speed 3429 Hz is used.</p> <ol data-bbox="304 1411 549 1440" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1456 1399 1603"> <thead> <tr> <th data-bbox="336 1456 639 1500">Display</th> <th data-bbox="639 1456 1399 1500">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1500 639 1545">On</td> <td data-bbox="639 1500 1399 1545">V.34 symbol speed 3429 Hz is used.</td> </tr> <tr> <td data-bbox="336 1545 639 1603">Off</td> <td data-bbox="639 1545 1399 1603">V.34 symbol speed 3429 Hz is not used.</td> </tr> </tbody> </table> <p data-bbox="336 1612 576 1641">* : Initial setting: On</p> <ol data-bbox="304 1646 782 1675" style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	V.34	Enables or disables V.34 communication.	V.34-3429Hz	Sets the V.34 symbol speed (3429 Hz).	DIS 2Res	Sets the number of times of DIS signal reception.	RTN Check	Sets the reference for RTN signal output.	Display	Description	On	V.34 communication is enabled for both transmission and reception.	TX	V.34 communication is enabled for transmission only.	RX	V.34 communication is enabled for reception only.	Off	V.34 communication is disabled for both transmission and reception.	Display	Description	On	V.34 symbol speed 3429 Hz is used.	Off	V.34 symbol speed 3429 Hz is not used.
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V.34	Enables or disables V.34 communication.																										
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Item No.	Description																
U633	<p>Setting:[DIS 2Res] Sets the number of times to receive the DIS signal to once or twice. Used as one of the correction measures for transmission errors and other problems.</p> <ol style="list-style-type: none"> Select the setting. <table border="1" data-bbox="336 387 1401 533"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Once</td> <td>Responds to the first signal.</td> </tr> <tr> <td>Twice</td> <td>Responds to the second signal.</td> </tr> </tbody> </table> <p>* : Initial setting: Once</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Setting:[RTN Check] Sets the error line rate as the reference for RTN signal output. If transmission errors occur frequently due to the quality of the line, they can be reduced by lowering this setting.</p> <ol style="list-style-type: none"> Select the setting. <table border="1" data-bbox="336 792 1401 1032"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>5%</td> <td>Error line rate of 5%</td> </tr> <tr> <td>10%</td> <td>Error line rate of 10%</td> </tr> <tr> <td>15%</td> <td>Error line rate of 15%</td> </tr> <tr> <td>20%</td> <td>Error line rate of 20%</td> </tr> </tbody> </table> <p>* : Initial setting: 15%</p> <ol style="list-style-type: none"> Press the start key. The setting is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Once	Responds to the first signal.	Twice	Responds to the second signal.	Display	Description	5%	Error line rate of 5%	10%	Error line rate of 10%	15%	Error line rate of 15%	20%	Error line rate of 20%
Display	Description																
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10%	Error line rate of 10%																
15%	Error line rate of 15%																
20%	Error line rate of 20%																
U634	<p>Setting communication control 5</p> <p>Description Sets the maximum number of error bytes judged acceptable when receiving a TCF signal. Used as a measure to ease transmission conditions if transmission errors occur.</p> <p>Setting</p> <ol style="list-style-type: none"> Press the start key. Select [TCF Check]. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1621 1401 1718"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Number of allowed error bytes when detecting TCF</td> <td>0 to 255</td> <td>0</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Number of allowed error bytes when detecting TCF	0 to 255	0										
Description	Setting range	Initial setting															
Number of allowed error bytes when detecting TCF	0 to 255	0															

Item No.	Description																		
U640	<p data-bbox="288 241 671 275">Setting communication time 1</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 1406 412">Sets the detection time when one-shot detection is selected for remote switching. (This setting item will be displayed, but the setting made is ineffective.)</p> <p data-bbox="288 414 1426 481">Sets the detection time when continuous detection is selected for remote switching. (This setting item will be displayed, but the setting made is ineffective.)</p> <p data-bbox="288 515 387 548">Method</p> <ol data-bbox="304 551 632 618" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 629 1401 775"> <thead> <tr> <th data-bbox="336 629 639 674">Display</th> <th data-bbox="639 629 1401 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 639 719">Time (One)</td> <td data-bbox="639 674 1401 719">Sets the one-shot detection time for remote switching.</td> </tr> <tr> <td data-bbox="336 719 639 775">Time (Cont)</td> <td data-bbox="639 719 1401 775">Sets the continuous detection time for remote switching.</td> </tr> </tbody> </table> <p data-bbox="288 808 549 842">Setting:[Time (One)]</p> <ol data-bbox="304 844 983 878" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 889 1401 990"> <thead> <tr> <th data-bbox="336 889 975 934">Description</th> <th data-bbox="975 889 1187 934">Setting range</th> <th data-bbox="1187 889 1401 934">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 934 975 990">One-shot detection time for remote switching</td> <td data-bbox="975 934 1187 990">0 to 255</td> <td data-bbox="1187 934 1401 990">7</td> </tr> </tbody> </table> <ol data-bbox="304 992 767 1025" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1059 560 1093">Setting:[Time (Cont)]</p> <ol data-bbox="304 1095 983 1128" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1140 1401 1240"> <thead> <tr> <th data-bbox="336 1140 975 1184">Description</th> <th data-bbox="975 1140 1187 1184">Setting range</th> <th data-bbox="1187 1140 1401 1184">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1184 975 1240">Continuous detection time for remote switching</td> <td data-bbox="975 1184 1187 1240">0 to 255</td> <td data-bbox="1187 1184 1401 1240">80</td> </tr> </tbody> </table> <ol data-bbox="304 1243 767 1276" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="288 1310 440 1344">Completion</p> <p data-bbox="288 1346 1254 1379">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Time (One)	Sets the one-shot detection time for remote switching.	Time (Cont)	Sets the continuous detection time for remote switching.	Description	Setting range	Initial setting	One-shot detection time for remote switching	0 to 255	7	Description	Setting range	Initial setting	Continuous detection time for remote switching	0 to 255	80
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Time (One)	Sets the one-shot detection time for remote switching.																		
Time (Cont)	Sets the continuous detection time for remote switching.																		
Description	Setting range	Initial setting																	
One-shot detection time for remote switching	0 to 255	7																	
Description	Setting range	Initial setting																	
Continuous detection time for remote switching	0 to 255	80																	

Item No.	Description																														
U641	<p data-bbox="290 241 675 271">Setting communication time 2</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 799 374">Sets the time-out time for fax transmission.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1222 443">To improve transmission performance for international communications mainly.</p> <p data-bbox="290 483 387 512">Method</p> <ol data-bbox="304 517 632 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1401 1028"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">T0 Time Out</td> <td data-bbox="639 640 1401 685">Sets the T0 time-out time.</td> </tr> <tr> <td data-bbox="336 685 639 730">T1 Time Out</td> <td data-bbox="639 685 1401 730">Sets the T1 time-out time.</td> </tr> <tr> <td data-bbox="336 730 639 775">T2 Time Out</td> <td data-bbox="639 730 1401 775">Sets the T2 time-out time.</td> </tr> <tr> <td data-bbox="336 775 639 819">Ta Time Out</td> <td data-bbox="639 775 1401 819">Sets the Ta time-out time.</td> </tr> <tr> <td data-bbox="336 819 639 864">Tb1 Time Out</td> <td data-bbox="639 819 1401 864">Sets the Tb1 time-out time.</td> </tr> <tr> <td data-bbox="336 864 639 909">Tb2 Time Out</td> <td data-bbox="639 864 1401 909">Sets the Tb2 time-out time.</td> </tr> <tr> <td data-bbox="336 909 639 954">Tc Time Out</td> <td data-bbox="639 909 1401 954">Sets the Tc time-out time.</td> </tr> <tr> <td data-bbox="336 954 639 1028">Td Time Out</td> <td data-bbox="639 954 1401 1028">Sets the Td time-out time.</td> </tr> </tbody> </table> <p data-bbox="290 1070 564 1099">Setting:[T0 Time Out]</p> <p data-bbox="290 1104 1230 1133">Sets the time before detecting a CED or DIS signal after a dialing signal is sent.</p> <p data-bbox="290 1137 1386 1202">Depending on the quality of the exchange, or when the auto select function is selected at the destination unit, a line can be disconnected. Change the setting to prevent this problem.</p> <ol data-bbox="304 1207 983 1236" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1249 1401 1348"> <thead> <tr> <th data-bbox="336 1249 975 1294">Description</th> <th data-bbox="975 1249 1187 1294">Setting range</th> <th data-bbox="1187 1249 1401 1294">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1294 975 1348">T0 time-out time</td> <td data-bbox="975 1294 1187 1348">30 to 90 s</td> <td data-bbox="1187 1294 1401 1348">56</td> </tr> </tbody> </table> <ol data-bbox="304 1352 767 1382" style="list-style-type: none"> 2. Press the start key. The value is set. <p data-bbox="290 1422 564 1451">Setting:[T1 Time Out]</p> <p data-bbox="290 1456 1422 1520">Sets the time before receiving the correct signal after call reception. No change is necessary for this maintenance item.</p> <ol data-bbox="304 1525 983 1554" style="list-style-type: none"> 1. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1568 1401 1666"> <thead> <tr> <th data-bbox="336 1568 975 1612">Description</th> <th data-bbox="975 1568 1187 1612">Setting range</th> <th data-bbox="1187 1568 1401 1612">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1612 975 1666">T1 time-out time</td> <td data-bbox="975 1612 1187 1666">30 to 90 s</td> <td data-bbox="1187 1612 1401 1666">36</td> </tr> </tbody> </table> <ol data-bbox="304 1671 767 1700" style="list-style-type: none"> 2. Press the start key. The value is set. 	Display	Description	T0 Time Out	Sets the T0 time-out time.	T1 Time Out	Sets the T1 time-out time.	T2 Time Out	Sets the T2 time-out time.	Ta Time Out	Sets the Ta time-out time.	Tb1 Time Out	Sets the Tb1 time-out time.	Tb2 Time Out	Sets the Tb2 time-out time.	Tc Time Out	Sets the Tc time-out time.	Td Time Out	Sets the Td time-out time.	Description	Setting range	Initial setting	T0 time-out time	30 to 90 s	56	Description	Setting range	Initial setting	T1 time-out time	30 to 90 s	36
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Item No.	Description																						
U641	<p>Setting:[T2 Time Out] The T2 time-out time decides the following. From CFR signal output to image data reception From image data reception to the next signal reception In ECM, from RNR signal detection to the next signal reception</p> <ol style="list-style-type: none"> Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 459 1401 589"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>T2 time-out time</td> <td>1 to 255</td> <td>69</td> <td>100 ms</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <p>Setting:[Ta Time Out] In the fax/telephone auto select mode, sets the time to continue ringing an operator through the connected telephone after receiving a call as a fax machine (see figure 1-3-48). A fax signal is received within the Ta set time, or the fax mode is selected automatically when the time elapses. In fax/telephone auto select mode, change the setting when fax reception is unsuccessful or a telephone fails to receive a call.</p> <ol style="list-style-type: none"> Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 918 1401 1014"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> </tr> </thead> <tbody> <tr> <td>Ta time-out time</td> <td>1 to 255</td> <td>30</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. <div data-bbox="510 1075 1212 1456" data-label="Diagram"> </div> <p>Figure 1-3-48 Ta/Tb1/Tb2 time-out time</p> <p>Setting:[Tb1 Time Out] In the fax/telephone auto select mode, sets the time to start sending the ring back tone after receiving a call as a fax machine (see figure 1-3-48). In fax/telephone auto select mode, change the setting when fax reception is unsuccessful or a telephone fails to receive a call.</p> <ol style="list-style-type: none"> Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="336 1742 1401 1872"> <thead> <tr> <th>Description</th> <th>Setting range</th> <th>Initial setting</th> <th>Change in value per step</th> </tr> </thead> <tbody> <tr> <td>Tb1 time-out time</td> <td>1 to 255</td> <td>20</td> <td>100 ms</td> </tr> </tbody> </table> <ol style="list-style-type: none"> Press the start key. The value is set. 	Description	Setting range	Initial setting	Change in value per step	T2 time-out time	1 to 255	69	100 ms	Description	Setting range	Initial setting	Ta time-out time	1 to 255	30	Description	Setting range	Initial setting	Change in value per step	Tb1 time-out time	1 to 255	20	100 ms
Description	Setting range	Initial setting	Change in value per step																				
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Description	Setting range	Initial setting	Change in value per step																				
Tb1 time-out time	1 to 255	20	100 ms																				

Item No.	Description																				
U641	<p data-bbox="288 241 580 271">Setting:[Tb2 Time Out]</p> <p data-bbox="288 277 1430 409">In the fax/telephone auto select mode, sets the time to start ringing an operator through the connected telephone after receiving a call as a fax machine (see figure 1-3-48). In the fax/telephone auto select mode, change the setting when fax reception is unsuccessful or a telephone fails to receive a call.</p> <p data-bbox="304 416 983 445">1. Change the setting using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 456 1399 589"> <thead> <tr> <th data-bbox="336 456 807 539">Description</th> <th data-bbox="807 456 991 539">Setting range</th> <th data-bbox="991 456 1171 539">Initial setting</th> <th data-bbox="1171 456 1399 539">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 539 807 589">Tb2 time-out time</td> <td data-bbox="807 539 991 589">1 to 255</td> <td data-bbox="991 539 1171 589">80</td> <td data-bbox="1171 539 1399 589">100 ms</td> </tr> </tbody> </table> <p data-bbox="304 600 766 629">2. Press the start key. The value is set.</p> <p data-bbox="288 667 561 696">Setting:[Tc Time Out]</p> <p data-bbox="288 703 1426 799">In the TAD mode, set the time to check if there are any triggers for shifting to fax reception after a connected telephone receives a call. Only the telephone function is available if shifting is not made within the set Tc time.</p> <p data-bbox="288 806 1410 869">In the TAD mode, change the setting when fax reception is unsuccessful or a telephone fails to receive a call.</p> <p data-bbox="304 875 983 904">1. Change the setting using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 916 1399 1014"> <thead> <tr> <th data-bbox="336 916 975 965">Description</th> <th data-bbox="975 916 1187 965">Setting range</th> <th data-bbox="1187 916 1399 965">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 965 975 1014">Tc time-out time</td> <td data-bbox="975 965 1187 1014">1 to 255</td> <td data-bbox="1187 965 1399 1014">60</td> </tr> </tbody> </table> <p data-bbox="304 1025 766 1055">2. Press the start key. The value is set.</p> <p data-bbox="288 1093 564 1122">Setting:[Td Time Out]</p> <p data-bbox="288 1128 1426 1261">Sets the length of the time required to determine silent status (fax), one of the triggers for Tc time check. In the TAD mode, change the setting when fax reception is unsuccessful or a telephone fails to receive a call. Be sure not to set it too short; otherwise, the mode may be shifted to fax while the unit is being used as a telephone.</p> <p data-bbox="304 1267 983 1296">1. Change the setting using the +/- keys or numeric keys.</p> <table border="1" data-bbox="336 1308 1399 1406"> <thead> <tr> <th data-bbox="336 1308 868 1357">Description</th> <th data-bbox="868 1308 1096 1357">Setting range</th> <th data-bbox="1096 1308 1399 1357">Initial setting</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1357 868 1406">Td time-out time</td> <td data-bbox="868 1357 1096 1406">1 to 255</td> <td data-bbox="1096 1357 1399 1406">9 (120 V)/6 (220-240 V)</td> </tr> </tbody> </table> <p data-bbox="304 1417 766 1447">2. Press the start key. The value is set.</p> <p data-bbox="288 1485 440 1514">Completion</p> <p data-bbox="288 1520 1254 1550">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Description	Setting range	Initial setting	Change in value per step	Tb2 time-out time	1 to 255	80	100 ms	Description	Setting range	Initial setting	Tc time-out time	1 to 255	60	Description	Setting range	Initial setting	Td time-out time	1 to 255	9 (120 V)/6 (220-240 V)
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Description	Setting range	Initial setting																			
Td time-out time	1 to 255	9 (120 V)/6 (220-240 V)																			

Item No.	Description								
U650	<p data-bbox="288 241 507 275">Setting modem 1</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1015 374">Sets the G3 cable equalizer. Sets the modem detection level.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1417 479">Perform the following adjustment to make the equalizer compatible with the line characteristics. To improve the transmission performance when a low quality line is used.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 555 632 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 631 1401 824"> <thead> <tr> <th data-bbox="336 631 639 676">Display</th> <th data-bbox="639 631 1401 676">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 676 639 721">Reg G3 TX Eqr</td> <td data-bbox="639 676 1401 721">Sets the G3 transmission cable equalizer.</td> </tr> <tr> <td data-bbox="336 721 639 766">Reg G3 RX Eqr</td> <td data-bbox="639 721 1401 766">Sets the G3 reception cable equalizer.</td> </tr> <tr> <td data-bbox="336 766 639 810">RX Mdm Level</td> <td data-bbox="639 766 1401 810">Sets the modem detection level.</td> </tr> </tbody> </table> <p data-bbox="288 869 596 898">Setting:[Reg G3 TX Eqr]</p> <ol data-bbox="304 902 783 1003" style="list-style-type: none"> 1. Select [0dB], [4dB], [8dB] or [12dB]. * : Initial setting: 0dB 2. Press the start key. The setting is set. <p data-bbox="288 1041 600 1070">Setting:[Reg G3 RX Eqr]</p> <ol data-bbox="304 1075 783 1176" style="list-style-type: none"> 1. Select [0dB], [4dB], [8dB] or [12dB]. * : Initial setting: 0dB 2. Press the start key. The setting is set. <p data-bbox="288 1214 592 1243">Setting:[RX Mdm Level]</p> <ol data-bbox="304 1247 1299 1348" style="list-style-type: none"> 1. Select [-33dBm], [-38dBm], [-43dBm] or [-48dBm] using the cursor up/down keys. * : Initial setting: -43dBm 2. Press the start key. The setting is set. <p data-bbox="288 1386 440 1415">Completion</p> <p data-bbox="288 1420 1254 1449">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Reg G3 TX Eqr	Sets the G3 transmission cable equalizer.	Reg G3 RX Eqr	Sets the G3 reception cable equalizer.	RX Mdm Level	Sets the modem detection level.
Display	Description								
Reg G3 TX Eqr	Sets the G3 transmission cable equalizer.								
Reg G3 RX Eqr	Sets the G3 reception cable equalizer.								
RX Mdm Level	Sets the modem detection level.								

Item No.	Description												
U651	<p data-bbox="287 241 510 275">Setting modem 2</p> <p data-bbox="287 309 438 342">Description Sets the modem output level. Sets the DTMF output level of a push-button dial telephone.</p> <p data-bbox="287 409 399 443">Purpose Used if problems occur when sending a signal with a push-button dial telephone.</p> <p data-bbox="287 521 383 555">Setting</p> <ol data-bbox="303 555 981 656" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. 3. Change the setting using the +/- keys or numeric keys. <table border="1" data-bbox="335 667 1385 925"> <thead> <tr> <th data-bbox="343 678 590 712">Display</th> <th data-bbox="590 678 1189 712">Description</th> <th data-bbox="1189 678 1385 712">Setting range</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 723 590 757">Sgl LV Modem</td> <td data-bbox="590 723 1189 757">Modem output level</td> <td data-bbox="1189 723 1385 757">-15 to 0</td> </tr> <tr> <td data-bbox="343 768 590 801">DTMF LEV(CENT)</td> <td data-bbox="590 768 1189 835">DTMF output level (main value)</td> <td data-bbox="1189 768 1385 801">-15 to 0</td> </tr> <tr> <td data-bbox="343 846 590 880">DTMF LEV(DIFF)</td> <td data-bbox="590 846 1189 913">DTMF output level (level difference)</td> <td data-bbox="1189 846 1385 880">0 to 5.5</td> </tr> </tbody> </table> <ol data-bbox="303 981 782 1014" style="list-style-type: none"> 4. Press the start key. The setting is set. <p data-bbox="287 1048 438 1081">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Sgl LV Modem	Modem output level	-15 to 0	DTMF LEV(CENT)	DTMF output level (main value)	-15 to 0	DTMF LEV(DIFF)	DTMF output level (level difference)	0 to 5.5
Display	Description	Setting range											
Sgl LV Modem	Modem output level	-15 to 0											
DTMF LEV(CENT)	DTMF output level (main value)	-15 to 0											
DTMF LEV(DIFF)	DTMF output level (level difference)	0 to 5.5											

Item No.	Description																								
U660	<p data-bbox="288 241 496 271">Setting the NCU</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 951 374">Makes setting regarding the network control unit (NCU).</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 624 443">To be executed as required.</p> <p data-bbox="288 483 387 512">Method</p> <ol data-bbox="304 517 632 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be set. <table border="1" data-bbox="336 595 1401 884"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Exchange</td> <td data-bbox="639 640 1401 685">Sets the connection to PBX/PSTN.</td> </tr> <tr> <td data-bbox="336 685 639 730">Dial Tone</td> <td data-bbox="639 685 1401 730">Sets PSTN dial tone detection.</td> </tr> <tr> <td data-bbox="336 730 639 775">Busy Tone</td> <td data-bbox="639 730 1401 775">Sets busy tone detection.</td> </tr> <tr> <td data-bbox="336 775 639 819">PBX Setting</td> <td data-bbox="639 775 1401 819">Setting for a PBX.</td> </tr> <tr> <td data-bbox="336 819 639 884">DC Loop</td> <td data-bbox="639 819 1401 884">Sets the loop current detection before dialing.</td> </tr> </tbody> </table> <p data-bbox="288 927 536 956">Setting:[Exchange]</p> <p data-bbox="288 960 1331 990">Selects if a fax is to be connected to either a PBX or public switched telephone network.</p> <ol data-bbox="304 994 549 1023" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1037 1401 1184"> <thead> <tr> <th data-bbox="336 1037 639 1081">Display</th> <th data-bbox="639 1037 1401 1081">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1081 639 1126">PSTN</td> <td data-bbox="639 1081 1401 1126">Connected to the public switched telephone network.</td> </tr> <tr> <td data-bbox="336 1126 639 1184">PBX</td> <td data-bbox="639 1126 1401 1184">Connected to a PBX.</td> </tr> </tbody> </table> <p data-bbox="336 1193 611 1223">* : Initial setting: PSTN</p> <ol data-bbox="304 1227 783 1256" style="list-style-type: none"> 2. Press the start key. The setting is set. <p data-bbox="288 1296 528 1326">Setting:[Dial Tone]</p> <p data-bbox="288 1330 1426 1395">Selects if the dial tone is detected to check the telephone is off the hook when a fax is connected to a public switched telephone network.</p> <ol data-bbox="304 1400 549 1429" style="list-style-type: none"> 1. Select the setting. <table border="1" data-bbox="336 1442 1401 1590"> <thead> <tr> <th data-bbox="336 1442 639 1487">Display</th> <th data-bbox="639 1442 1401 1487">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1487 639 1532">On</td> <td data-bbox="639 1487 1401 1532">Detects the dial tone.</td> </tr> <tr> <td data-bbox="336 1532 639 1590">Off</td> <td data-bbox="639 1532 1401 1590">Does not detect the dial tone.</td> </tr> </tbody> </table> <p data-bbox="336 1599 576 1628">* : Initial setting: On</p> <ol data-bbox="304 1632 783 1662" style="list-style-type: none"> 2. Press the start key. The setting is set. 	Display	Description	Exchange	Sets the connection to PBX/PSTN.	Dial Tone	Sets PSTN dial tone detection.	Busy Tone	Sets busy tone detection.	PBX Setting	Setting for a PBX.	DC Loop	Sets the loop current detection before dialing.	Display	Description	PSTN	Connected to the public switched telephone network.	PBX	Connected to a PBX.	Display	Description	On	Detects the dial tone.	Off	Does not detect the dial tone.
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Off	Does not detect the dial tone.																								

Item No.	Description																		
U660	<p>Setting:[Busy Tone] When a fax signal is sent, sets whether the line is disconnected immediately after a busy tone is detected, or the busy tone is not detected and the line remains connected until T0 time-out time. Fax transmission may fail due to incorrect busy tone detection. When set to 2, this problem may be prevented. However, the line is not disconnected within the T0 time-out time even if the destination line is busy.</p> <p>1. Select the setting.</p> <table border="1" data-bbox="336 495 1401 636"> <thead> <tr> <th data-bbox="336 495 639 539">Display</th> <th data-bbox="639 495 1401 539">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 539 639 584">On</td> <td data-bbox="639 539 1401 584">Detects busy tone.</td> </tr> <tr> <td data-bbox="336 584 639 636">Off</td> <td data-bbox="639 584 1401 636">Does not detect busy tone.</td> </tr> </tbody> </table> <p>* : Initial setting: On</p> <p>2. Press the start key. The setting is set.</p> <p>Setting:[PBX Setting] Selects the mode to connect an outside call when connected to a PBX. According to the type of the PBX connected, select the mode to connect an outside call.</p> <p>1. Select the setting.</p> <table border="1" data-bbox="336 898 1401 1039"> <thead> <tr> <th data-bbox="336 898 639 943">Display</th> <th data-bbox="639 898 1401 943">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 943 639 987">Flash</td> <td data-bbox="639 943 1401 987">Flashing mode</td> </tr> <tr> <td data-bbox="336 987 639 1039">Loop</td> <td data-bbox="639 987 1401 1039">Code number mode</td> </tr> </tbody> </table> <p>* : Initial setting: Loop</p> <p>2. Press the start key. The setting is set.</p> <p>Setting:[DC Loop] Sets if the loop current detection is performed before dialing.</p> <p>1. Select the setting.</p> <table border="1" data-bbox="336 1267 1401 1408"> <thead> <tr> <th data-bbox="336 1267 639 1312">Display</th> <th data-bbox="639 1267 1401 1312">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1312 639 1357">On</td> <td data-bbox="639 1312 1401 1357">Performs loop current detection before dialing.</td> </tr> <tr> <td data-bbox="336 1357 639 1408">Off</td> <td data-bbox="639 1357 1401 1408">Does not perform loop current detection before dialing.</td> </tr> </tbody> </table> <p>* : Initial setting: On</p> <p>2. Press the start key. The setting is set.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	On	Detects busy tone.	Off	Does not detect busy tone.	Display	Description	Flash	Flashing mode	Loop	Code number mode	Display	Description	On	Performs loop current detection before dialing.	Off	Does not perform loop current detection before dialing.
Display	Description																		
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Loop	Code number mode																		
Display	Description																		
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Off	Does not perform loop current detection before dialing.																		

Item No.	Description																						
U670	<p data-bbox="287 241 491 275">Outputting lists</p> <p data-bbox="287 309 440 342">Description</p> <p data-bbox="287 344 879 378">Outputs a list of data regarding fax transmissions.</p> <p data-bbox="287 380 1385 445">Printing a list is disabled either when a job is remaining in the buffer or when [Pause All Print Jobs] is pressed to halt printing.</p> <p data-bbox="287 448 400 481">Purpose</p> <p data-bbox="287 483 1187 517">To check conditions of use, settings and transmission procedures of the fax.</p> <p data-bbox="287 551 387 584">Method</p> <ol data-bbox="304 586 879 689" style="list-style-type: none"> 1. Press the start key. 2. Select the item to be output. 3. Press the start key. The selected list is output. <table border="1" data-bbox="336 701 1399 1368"> <thead> <tr> <th data-bbox="336 701 639 745">Display</th> <th data-bbox="639 701 1399 745">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 745 639 835">Setting List</td> <td data-bbox="639 745 1399 835">Outputs a list of software switches, self telephone number, confidential boxes, ROM versions and other information.</td> </tr> <tr> <td data-bbox="336 835 639 913">Action List</td> <td data-bbox="639 835 1399 913">Outputs a list of error history, transmission line details and other information.</td> </tr> <tr> <td data-bbox="336 913 639 992">Self Sts Report</td> <td data-bbox="639 913 1399 992">Outputs a list of settings in maintenance mode (own-status report) regarding fax transmission only.</td> </tr> <tr> <td data-bbox="336 992 639 1037">Protocol List</td> <td data-bbox="639 992 1399 1037">Outputs a list of transmission procedures.</td> </tr> <tr> <td data-bbox="336 1037 639 1081">Error List</td> <td data-bbox="639 1037 1399 1081">Outputs a list of error.</td> </tr> <tr> <td data-bbox="336 1081 639 1171">Backup Report</td> <td data-bbox="639 1081 1399 1171">Outputs a report of FAX/i-FAX communication history information and FAX reservation document information.</td> </tr> <tr> <td data-bbox="336 1171 639 1216">Addr Book(No.)</td> <td data-bbox="639 1171 1399 1216">Outputs address book in order IDs were added</td> </tr> <tr> <td data-bbox="336 1216 639 1261">Addr Book(Name)</td> <td data-bbox="639 1216 1399 1261">Outputs address book in order of names</td> </tr> <tr> <td data-bbox="336 1261 639 1305">One-touch List</td> <td data-bbox="639 1261 1399 1305">Outputs a list of one-touch.</td> </tr> <tr> <td data-bbox="336 1305 639 1368">Group List</td> <td data-bbox="639 1305 1399 1368">Outputs a list of group.</td> </tr> </tbody> </table> <p data-bbox="287 1424 440 1458">Completion</p> <p data-bbox="287 1460 1254 1494">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting List	Outputs a list of software switches, self telephone number, confidential boxes, ROM versions and other information.	Action List	Outputs a list of error history, transmission line details and other information.	Self Sts Report	Outputs a list of settings in maintenance mode (own-status report) regarding fax transmission only.	Protocol List	Outputs a list of transmission procedures.	Error List	Outputs a list of error.	Backup Report	Outputs a report of FAX/i-FAX communication history information and FAX reservation document information.	Addr Book(No.)	Outputs address book in order IDs were added	Addr Book(Name)	Outputs address book in order of names	One-touch List	Outputs a list of one-touch.	Group List	Outputs a list of group.
Display	Description																						
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Addr Book(No.)	Outputs address book in order IDs were added																						
Addr Book(Name)	Outputs address book in order of names																						
One-touch List	Outputs a list of one-touch.																						
Group List	Outputs a list of group.																						

Item No.	Description								
U671	<p data-bbox="290 241 590 275">Clear FAX back up data</p> <p data-bbox="290 315 440 349">Description</p> <p data-bbox="290 351 1406 456">The communication history information of fax / Internet fax and the fax transmitting reservation information which are backed up on the FAX control circuit board are cleared. Moreover, memory DIMM is initialized.</p> <p data-bbox="290 501 400 535">Purpose</p> <p data-bbox="290 537 1139 571">It carries out for the prevention from an information leak of backup data.</p> <p data-bbox="290 616 387 649">Method</p> <ol data-bbox="308 651 564 714" style="list-style-type: none"> <li data-bbox="308 651 564 685">1. Press the start key. <li data-bbox="308 687 520 714">2. Select the item. <table border="1" data-bbox="355 723 1406 898"> <thead> <tr> <th data-bbox="355 723 660 768">Display</th> <th data-bbox="660 723 1406 768">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="355 768 660 813">Reservation Clear</td> <td data-bbox="660 768 1406 813">Clears the communication reservation information.</td> </tr> <tr> <td data-bbox="355 813 660 857">Recovery FAX DIMM</td> <td data-bbox="660 813 1406 857">Another DIMM is made usable.</td> </tr> <tr> <td data-bbox="355 857 660 898">FAX DIMM Clear</td> <td data-bbox="660 857 1406 898">All the data in DIMM is cleared.</td> </tr> </tbody> </table> <ol data-bbox="308 931 1406 1030" style="list-style-type: none"> <li data-bbox="308 931 847 965">3. Press the start key. Backup data is cleared. <li data-bbox="308 967 1406 1030">4. When "Recovery FAX DIMM" or "FAX DIMM Clear" is selected, turn the main power switch off and on. Allow more than 5 seconds between Off and On. <p data-bbox="290 1072 440 1106">Completion</p> <p data-bbox="290 1108 1254 1142">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Reservation Clear	Clears the communication reservation information.	Recovery FAX DIMM	Another DIMM is made usable.	FAX DIMM Clear	All the data in DIMM is cleared.
Display	Description								
Reservation Clear	Clears the communication reservation information.								
Recovery FAX DIMM	Another DIMM is made usable.								
FAX DIMM Clear	All the data in DIMM is cleared.								

Item No.	Description																		
U695	<p data-bbox="287 241 598 275">FAX function customize</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1431 412">Sets fax batch transmission ON/OFF. Also changes the print size priority at the time of small size reception.</p> <p data-bbox="287 414 399 448">Purpose</p> <p data-bbox="287 450 622 483">To be executed as required.</p> <p data-bbox="287 517 383 551">Setting</p> <p data-bbox="303 553 630 586">1. Select the item to be set.</p> <table border="1" data-bbox="335 598 1399 741"> <thead> <tr> <th data-bbox="343 598 641 642">Display</th> <th data-bbox="641 598 1399 642">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 642 641 687">FAX Bulk TX</td> <td data-bbox="641 642 1399 687">fax batch transmission On/Off</td> </tr> <tr> <td data-bbox="343 687 641 741">A5 Pt Priority Chg</td> <td data-bbox="641 687 1399 741">Change of print size priority at the time of small size reception</td> </tr> </tbody> </table> <p data-bbox="287 786 574 819">Setting: [FAX Bulk TX]</p> <p data-bbox="303 822 630 855">1. Select the item to be set.</p> <table border="1" data-bbox="335 866 1399 1010"> <thead> <tr> <th data-bbox="343 866 641 911">Display</th> <th data-bbox="641 866 1399 911">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 911 641 956">On</td> <td data-bbox="641 911 1399 956">Fax batch transmission is enabled.</td> </tr> <tr> <td data-bbox="343 956 641 1010">Off</td> <td data-bbox="641 956 1399 1010">Fax batch transmission is disabled.</td> </tr> </tbody> </table> <p data-bbox="335 1021 574 1055">* : Initial setting: On</p> <p data-bbox="303 1057 782 1090">2. Press the start key. The setting is set.</p> <p data-bbox="287 1124 646 1158">Setting: [A5 Pt Priority Chg]</p> <p data-bbox="303 1160 630 1193">1. Select the item to be set.</p> <table border="1" data-bbox="335 1205 1399 1348"> <thead> <tr> <th data-bbox="343 1205 641 1249">Display</th> <th data-bbox="641 1205 1399 1249">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 1249 641 1294">On</td> <td data-bbox="641 1249 1399 1294">At the time of A5 size reception: A5→B5→A4→B4→A3</td> </tr> <tr> <td data-bbox="343 1294 641 1348">Off</td> <td data-bbox="641 1294 1399 1348">At the time of A5 size reception: A5→A4→B5→A3→B4</td> </tr> </tbody> </table> <p data-bbox="335 1359 574 1393">* : Initial setting: Off</p> <p data-bbox="303 1395 782 1429">2. Press the start key. The setting is set.</p> <p data-bbox="287 1462 438 1496">Completion</p> <p data-bbox="287 1498 1252 1532">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	FAX Bulk TX	fax batch transmission On/Off	A5 Pt Priority Chg	Change of print size priority at the time of small size reception	Display	Description	On	Fax batch transmission is enabled.	Off	Fax batch transmission is disabled.	Display	Description	On	At the time of A5 size reception: A5→B5→A4→B4→A3	Off	At the time of A5 size reception: A5→A4→B5→A3→B4
Display	Description																		
FAX Bulk TX	fax batch transmission On/Off																		
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Off	At the time of A5 size reception: A5→A4→B5→A3→B4																		

Item No.	Description								
U698	<p data-bbox="290 241 912 273">Setting the port addressed in maintenance mode</p> <p data-bbox="290 311 440 342">Description</p> <p data-bbox="290 344 1002 376">Configures the port that is addressed in maintenance mode.</p> <p data-bbox="290 380 400 412">Purpose</p> <p data-bbox="290 414 1370 479">To configure the port that is addressed in maintenance mode when the optional dual FAX is installed.</p> <p data-bbox="290 483 1410 548">It is not required to assign the same settings to both ports. It should be used to assign different settings to each port.</p> <p data-bbox="290 589 405 620">Remarks</p> <p data-bbox="290 622 1294 654">This maintenance item is shown only when the optional dual FAX has been installed.</p> <p data-bbox="290 694 384 725">Setting</p> <ol data-bbox="304 728 1129 824" style="list-style-type: none"> 1. Press the start key. 2. Press [PORT SELECT]. The current setting is displayed in reverse. 3. Select the item to be set. <table border="1" data-bbox="347 835 1412 1001"> <thead> <tr> <th data-bbox="352 835 651 880">Display</th> <th data-bbox="651 835 1407 880">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="352 880 651 918">ALL</td> <td data-bbox="651 880 1407 918">All ports</td> </tr> <tr> <td data-bbox="352 918 651 956">PORT 1</td> <td data-bbox="651 918 1407 956">Port 1 (Fax control PWB)</td> </tr> <tr> <td data-bbox="352 956 651 1001">PORT 2</td> <td data-bbox="651 956 1407 1001">Port 2 (Optional dual FAX)</td> </tr> </tbody> </table> <p data-bbox="336 1014 549 1046">Initial setting: ALL</p> <ol data-bbox="304 1048 782 1079" style="list-style-type: none"> 4. Press the start key. The setting is set. <p data-bbox="290 1120 440 1151">Completion</p> <p data-bbox="290 1153 1256 1184">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="290 1225 446 1256">Supplement</p> <p data-bbox="290 1258 1410 1323">The setting must be made after re-entering maintenance mode because it will be cleared when maintenance mode is canceled and power is switched off.</p>	Display	Description	ALL	All ports	PORT 1	Port 1 (Fax control PWB)	PORT 2	Port 2 (Optional dual FAX)
Display	Description								
ALL	All ports								
PORT 1	Port 1 (Fax control PWB)								
PORT 2	Port 2 (Optional dual FAX)								

Item No.	Description																																														
U699	<p data-bbox="288 241 667 271">Setting the software switches</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1046 374">Sets the software switches on the FAX control PWB individually.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1366 515">To change the setting when a problem such as split output of received originals occurs. Since the communication performance is largely affected, normally this setting need not be changed.</p> <p data-bbox="288 555 387 584">Method</p> <ol data-bbox="304 589 1398 790" style="list-style-type: none"> 1. Press the start key. 2. Press [SW No.]. 3. Enter the desired software switch number (3 digits) using the +/- keys or the numeric keys and press the start key. 4. Use numeric keys 0 to 7 to switch each bit between 0 and 1. 5. Press the start key to set the value. <p data-bbox="288 831 440 860">Completion</p> <p data-bbox="288 864 1254 893">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="288 934 1102 963">List of Software Switches of Which the Setting Can Be Changed</p> <p data-bbox="288 1003 762 1032"><Communication control procedure></p> <table border="1" data-bbox="336 1048 1398 2007"> <thead> <tr> <th data-bbox="336 1048 427 1093">No.</th> <th data-bbox="427 1048 592 1093">Bit</th> <th data-bbox="592 1048 1398 1093">Item</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1093 427 1189" rowspan="2">36</td> <td data-bbox="427 1093 592 1144">7654</td> <td data-bbox="592 1093 1398 1144">Coding format in transmission</td> </tr> <tr> <td data-bbox="427 1144 592 1189">3210</td> <td data-bbox="592 1144 1398 1189">Coding format in reception</td> </tr> <tr> <td data-bbox="336 1189 427 1480" rowspan="6">37</td> <td data-bbox="427 1189 592 1240">5</td> <td data-bbox="592 1189 1398 1240">33600 bps/V34</td> </tr> <tr> <td data-bbox="427 1240 592 1292">4</td> <td data-bbox="592 1240 1398 1292">31200 bps/V34</td> </tr> <tr> <td data-bbox="427 1292 592 1344">3</td> <td data-bbox="592 1292 1398 1344">28800 bps/V34</td> </tr> <tr> <td data-bbox="427 1344 592 1395">2</td> <td data-bbox="592 1344 1398 1395">26400 bps/V34</td> </tr> <tr> <td data-bbox="427 1395 592 1447">1</td> <td data-bbox="592 1395 1398 1447">24000 bps/V34</td> </tr> <tr> <td data-bbox="427 1447 592 1480">0</td> <td data-bbox="592 1447 1398 1480">21600 bps/V34</td> </tr> <tr> <td data-bbox="336 1480 427 1861" rowspan="8">38</td> <td data-bbox="427 1480 592 1532">7</td> <td data-bbox="592 1480 1398 1532">19200 bps/V34</td> </tr> <tr> <td data-bbox="427 1532 592 1583">6</td> <td data-bbox="592 1532 1398 1583">16800 bps/V34</td> </tr> <tr> <td data-bbox="427 1583 592 1635">5</td> <td data-bbox="592 1583 1398 1635">14400 bps/V34</td> </tr> <tr> <td data-bbox="427 1635 592 1686">4</td> <td data-bbox="592 1635 1398 1686">12000 bps/V34</td> </tr> <tr> <td data-bbox="427 1686 592 1738">3</td> <td data-bbox="592 1686 1398 1738">9600 bps/V34</td> </tr> <tr> <td data-bbox="427 1738 592 1789">2</td> <td data-bbox="592 1738 1398 1789">7200 bps/V34</td> </tr> <tr> <td data-bbox="427 1789 592 1841">1</td> <td data-bbox="592 1789 1398 1841">4800 bps/V34</td> </tr> <tr> <td data-bbox="427 1841 592 1861">0</td> <td data-bbox="592 1841 1398 1861">2400 bps/V34</td> </tr> <tr> <td data-bbox="336 1861 427 1912">41</td> <td data-bbox="427 1861 592 1912">3</td> <td data-bbox="592 1861 1398 1912">FSK detection in V.8</td> </tr> <tr> <td data-bbox="336 1912 427 2007" rowspan="2">42</td> <td data-bbox="427 1912 592 1964">4</td> <td data-bbox="592 1912 1398 1964">4800 bps when low-speed setting is active</td> </tr> <tr> <td data-bbox="427 1964 592 2007">2</td> <td data-bbox="592 1964 1398 2007">FIF length in transmission of more than 4 times of DIS/DTC signal</td> </tr> </tbody> </table>	No.	Bit	Item	36	7654	Coding format in transmission	3210	Coding format in reception	37	5	33600 bps/V34	4	31200 bps/V34	3	28800 bps/V34	2	26400 bps/V34	1	24000 bps/V34	0	21600 bps/V34	38	7	19200 bps/V34	6	16800 bps/V34	5	14400 bps/V34	4	12000 bps/V34	3	9600 bps/V34	2	7200 bps/V34	1	4800 bps/V34	0	2400 bps/V34	41	3	FSK detection in V.8	42	4	4800 bps when low-speed setting is active	2	FIF length in transmission of more than 4 times of DIS/DTC signal
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Item No.	Description		
U699	<Communication time setting>		
	No.	Bit	Item
	53	76543210	T3 timeout setting
	54	76543210	T4 timeout setting (automatic equipment)
	55	76543210	T5 timeout setting
	60	76543210	Time before transmission of CNG (1100 Hz) signal
	63	76543210	T0 timeout setting (manual equipment)
	64	7	Phase C timeout in ECM reception
	66	76543210	Timeout 1 in countermeasures against echo
	68	76543210	Timeout for FSK detection start in V.8
	<Modem setting>		
	No.	Bit	Item
	89	76543	RX gain adjust
	<NCU setting>		
	No.	Bit	Item
	121	7654	Dial tone/busy tone detection pattern
	122	7654	Busy tone detection pattern
		1	Busy tone detection in automatic FAX/TEL switching
	125	76543210	Access code registration for connection to PSTN
	126	7654	FAX/TEL automatic switching ring back tone ON/OFF cycle
	<Calling time setting>		
	No.	Bit	Item
	133	76543210	DTMF signal transmission time
	134	76543210	DTMF signal pause time
	141	76543210	Ringer detection cycle (minimum)
	142	76543210	Ringer detection cycle (maximum)
	143	76543210	Ringer ON time detection
	144	76543210	Ringer OFF time detection
145	76543210	Ringer OFF non-detection time	
147	76543210	Dial tone detection time (continuous tone)	
148	76543210	Allowable dial tone interruption time	
149	76543210	Time for transmitting selection signal after closing the DC circuit	
151	76543210	Ringer frequency detection invalid time	

Item No.	Description														
U901	<p data-bbox="288 241 884 275">Checking copy counts by paper feed locations</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 943 376">Displays or clears copy counts by paper feed locations.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1417 479">To check the time to replace consumable parts. Also to clear the counts after replacing the consumable parts.</p> <p data-bbox="288 517 387 546">Method</p> <p data-bbox="304 553 1161 584">1. Press the start key. The counts by paper feed locations are displayed.</p> <table border="1" data-bbox="336 595 1399 931"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1399 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">MPT</td> <td data-bbox="639 640 1399 685">MP tray</td> </tr> <tr> <td data-bbox="336 685 639 730">Cassette1</td> <td data-bbox="639 685 1399 730">Cassette 1</td> </tr> <tr> <td data-bbox="336 730 639 775">Cassette2</td> <td data-bbox="639 730 1399 775">Cassette 2</td> </tr> <tr> <td data-bbox="336 775 639 819">Cassette3</td> <td data-bbox="639 775 1399 819">Cassette 3 (optional paper feeder)</td> </tr> <tr> <td data-bbox="336 819 639 864">Cassette4</td> <td data-bbox="639 819 1399 864">Cassette 4 (optional paper feeder)</td> </tr> <tr> <td data-bbox="336 864 639 931">Duplex</td> <td data-bbox="639 864 1399 931">Duplex unit</td> </tr> </tbody> </table> <p data-bbox="336 943 1404 1008">* : When an optional paper feed device is not installed, the corresponding count is not displayed.</p> <p data-bbox="288 1046 400 1075">Clearing</p> <p data-bbox="304 1081 916 1214">1. Select the counts to be cleared. [Cassette3] and [Cassette4] cannot be cleared. 2. Select the counts for all and press [Clear]. 3. Press the start key. The counter value is cleared.</p> <p data-bbox="288 1252 440 1281">Completion</p> <p data-bbox="288 1288 1254 1319">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	MPT	MP tray	Cassette1	Cassette 1	Cassette2	Cassette 2	Cassette3	Cassette 3 (optional paper feeder)	Cassette4	Cassette 4 (optional paper feeder)	Duplex	Duplex unit
Display	Description														
MPT	MP tray														
Cassette1	Cassette 1														
Cassette2	Cassette 2														
Cassette3	Cassette 3 (optional paper feeder)														
Cassette4	Cassette 4 (optional paper feeder)														
Duplex	Duplex unit														

Item No.	Description						
U903	<p data-bbox="290 241 798 275">Checking/clearing the paper jam counts</p> <p data-bbox="290 311 440 340">Description</p> <p data-bbox="290 344 890 374">Displays or clears the jam counts by jam locations.</p> <p data-bbox="290 380 400 409">Purpose</p> <p data-bbox="290 414 1390 443">To check the paper jam status. Also to clear the jam counts after replacing consumable parts.</p> <p data-bbox="290 483 387 512">Method</p> <ol data-bbox="304 517 564 582" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1399 741"> <thead> <tr> <th data-bbox="336 595 641 645">Display</th> <th data-bbox="641 595 1399 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 641 694">Cnt</td> <td data-bbox="641 645 1399 694">Displays/clears the jam counts</td> </tr> <tr> <td data-bbox="336 694 641 741">Total Cnt</td> <td data-bbox="641 694 1399 741">Displays the total jam counts</td> </tr> </tbody> </table> <p data-bbox="290 786 467 815">Method: [Cnt]</p> <ol data-bbox="304 819 1002 1023" style="list-style-type: none"> 1. Select [Cnt]. The count of jam code by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the count value for jam code and press [Clear]. The individual counter cannot be cleared. 4. Press the start key. The counter value is cleared. <p data-bbox="290 1064 536 1093">Method: [Total Cnt]</p> <ol data-bbox="304 1097 1149 1196" style="list-style-type: none"> 1. Select [Total Cnt]. The total number of jam code by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of jam count cannot be cleared. <p data-bbox="290 1236 440 1265">Completion</p> <p data-bbox="290 1270 1254 1299">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Displays/clears the jam counts	Total Cnt	Displays the total jam counts
Display	Description						
Cnt	Displays/clears the jam counts						
Total Cnt	Displays the total jam counts						

Item No.	Description						
<p>U904</p>	<p>Checking/clearing the call for service counts</p> <p>Description Displays or clears the service call code counts by types.</p> <p>Purpose To check the service call code status by types. Also to clear the service call code counts after replacing consumable parts.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 633 1401 777"> <thead> <tr> <th data-bbox="336 633 641 680">Display</th> <th data-bbox="641 633 1401 680">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 680 641 728">Cnt</td> <td data-bbox="641 680 1401 728">Displays/clears the call for service counts</td> </tr> <tr> <td data-bbox="336 728 641 777">Total Cnt</td> <td data-bbox="641 728 1401 777">Displays the total call for service counts</td> </tr> </tbody> </table> <p>Method: [Cnt]</p> <ol style="list-style-type: none"> 1. Select [Cnt]. The count for service call detection by type is displayed. Codes for which the count value is 0 are not displayed. 2. Change the screen using the cursor up/down keys. 3. Select the count value for service call code and press [Clear]. The individual counter cannot be cleared. 4. Press the start key. The counter value is cleared. <p>Method: [Total Cnt]</p> <ol style="list-style-type: none"> 1. Select [Total Cnt]. The total number of service call counts by type is displayed. 2. Change the screen using the cursor up/down keys. The total number of service call count cannot be cleared. <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Displays/clears the call for service counts	Total Cnt	Displays the total call for service counts
Display	Description						
Cnt	Displays/clears the call for service counts						
Total Cnt	Displays the total call for service counts						

Item No.	Description																				
U905	<p>Checking counts by optional devices</p> <p>Description Displays the counts of document processor or document finisher.</p> <p>Purpose To check the use of document processor or document finisher.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the device to be checked. The count of the selected device is displayed. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>DP</td> <td>Counts of document processor</td> </tr> <tr> <td>DF</td> <td>Counts of document finisher</td> </tr> </tbody> </table> <p>DP</p> <table border="1" data-bbox="336 831 1401 1059"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ADP</td> <td>Counts of single-sided originals that has passed through the DP</td> </tr> <tr> <td>RADP</td> <td>Counts of double-sided originals that has passed through the DP</td> </tr> <tr> <td>CIS</td> <td>Counts of Double-sided simultaneous reading originals that has passed through the DP</td> </tr> </tbody> </table> <p>DF</p> <table border="1" data-bbox="336 1155 1401 1301"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Sorter</td> <td>Counts of copies that has passed through the sorter</td> </tr> <tr> <td>Staple</td> <td>Frequency the stapler has been activated</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	DP	Counts of document processor	DF	Counts of document finisher	Display	Description	ADP	Counts of single-sided originals that has passed through the DP	RADP	Counts of double-sided originals that has passed through the DP	CIS	Counts of Double-sided simultaneous reading originals that has passed through the DP	Display	Description	Sorter	Counts of copies that has passed through the sorter	Staple	Frequency the stapler has been activated
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U906	<p>Resetting partial operation control</p> <p>Description Resets the service call code for partial operation control.</p> <p>Purpose To be reset after partial operation is performed due to problems in the cassettes or other sections, and the related parts are serviced.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Press [Execute]. 3. Press the start key to reset partial operation control. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 																				

Item No.	Description
U908	<p>Checking the total counter value</p> <p>Description Displays the total counter value.</p> <p>Purpose To check the total counter value.</p> <p>Method 1. Press the start key. The total count value is displayed.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>
U910	<p>Clearing the print coverage data</p> <p>Description Clears the accumulated data for the print coverage per A4 size paper and its period of time (as shown on the service status report).</p> <p>Purpose To clear data as required at times such as during maintenance service.</p> <p>Method 1. Press the start key. 2. Select [Execute]. 3. Press the start key. The print coverage data is cleared.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>

Item No.	Description																												
U911	<p data-bbox="288 241 767 275">Checking copy counts by paper sizes</p> <p data-bbox="288 313 440 342">Description</p> <p data-bbox="288 347 844 378">Displays the paper feed counts by paper sizes.</p> <p data-bbox="288 383 400 412">Purpose</p> <p data-bbox="288 416 927 448">To check the counts after replacing consumable parts.</p> <p data-bbox="288 486 387 515">Method</p> <p data-bbox="304 519 1331 551">1. Press the start key. The screen for the paper feed counts by paper size is displayed.</p> <table border="1" data-bbox="336 562 1401 981"> <thead> <tr> <th data-bbox="336 562 489 645">Display (metric)</th> <th data-bbox="489 562 868 645">Description</th> <th data-bbox="868 562 1019 645">Display (inch)</th> <th data-bbox="1019 562 1401 645">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 645 489 687">A3</td> <td data-bbox="489 645 868 687">Paper feed counts for A3</td> <td data-bbox="868 645 1019 687">Ledger</td> <td data-bbox="1019 645 1401 687">Paper feed counts for Ledger</td> </tr> <tr> <td data-bbox="336 687 489 730">B4</td> <td data-bbox="489 687 868 730">Paper feed counts for B4</td> <td data-bbox="868 687 1019 730">Legal</td> <td data-bbox="1019 687 1401 730">Paper feed counts for Legal</td> </tr> <tr> <td data-bbox="336 730 489 772">A4</td> <td data-bbox="489 730 868 772">Paper feed counts for A4</td> <td data-bbox="868 730 1019 772">Letter</td> <td data-bbox="1019 730 1401 772">Paper feed counts for Letter</td> </tr> <tr> <td data-bbox="336 772 489 815">B5</td> <td data-bbox="489 772 868 815">Paper feed counts for B5</td> <td data-bbox="868 772 1019 815">Statement</td> <td data-bbox="1019 772 1401 815">Paper feed counts for State-</td> </tr> <tr> <td data-bbox="336 815 489 857">A5</td> <td data-bbox="489 815 868 857">Paper feed counts for A5</td> <td data-bbox="868 815 1019 857"></td> <td data-bbox="1019 815 1401 857">ment</td> </tr> <tr> <td data-bbox="336 857 489 981">Folio</td> <td data-bbox="489 857 868 981">Paper feed counts for Folio</td> <td data-bbox="868 857 1019 981">ETC</td> <td data-bbox="1019 857 1401 981">Paper feed counts for other size</td> </tr> </tbody> </table> <p data-bbox="288 1025 440 1055">Completion</p> <p data-bbox="288 1059 1254 1090">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display (metric)	Description	Display (inch)	Description	A3	Paper feed counts for A3	Ledger	Paper feed counts for Ledger	B4	Paper feed counts for B4	Legal	Paper feed counts for Legal	A4	Paper feed counts for A4	Letter	Paper feed counts for Letter	B5	Paper feed counts for B5	Statement	Paper feed counts for State-	A5	Paper feed counts for A5		ment	Folio	Paper feed counts for Folio	ETC	Paper feed counts for other size
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Item No.	Description																																																			
U917	<p data-bbox="290 241 746 275">Setting backup data reading/writing</p> <p data-bbox="290 309 440 342">Description</p> <p data-bbox="290 344 1425 412">Retrieves the backup data to a USB memory from the machine; or writes the data from the USB memory to the machine.</p> <p data-bbox="290 414 400 448">Purpose</p> <p data-bbox="290 450 866 483">To store and write data when replacing the HDD.</p> <p data-bbox="290 486 387 519">Method</p> <ol data-bbox="304 521 1425 757" style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. Wait for 10 seconds to allow the machine to recognize the USB memory. 4. Enter maintenance item U917. 5. Select [Import] or [Export]. <table border="1" data-bbox="336 770 1401 913"> <thead> <tr> <th data-bbox="336 770 639 815">Display</th> <th data-bbox="639 770 1401 815">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 815 639 860">Import</td> <td data-bbox="639 815 1401 860">Writing data from the USB memory to the machine</td> </tr> <tr> <td data-bbox="336 860 639 913">Export</td> <td data-bbox="639 860 1401 913">Retrieving from the machine to a USB memory</td> </tr> </tbody> </table> <ol data-bbox="304 925 520 958" style="list-style-type: none"> 6. Select the item. <table border="1" data-bbox="336 969 1425 1823"> <thead> <tr> <th data-bbox="336 969 549 1014">Display</th> <th data-bbox="549 969 890 1014">Description</th> <th data-bbox="890 969 1425 1014">Depending data</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1014 549 1059">Address Book</td> <td data-bbox="549 1014 890 1059">Address book</td> <td data-bbox="890 1014 1425 1059">-</td> </tr> <tr> <td data-bbox="336 1059 549 1104">Job Account</td> <td data-bbox="549 1059 890 1104">Job accounting</td> <td data-bbox="890 1059 1425 1104">-</td> </tr> <tr> <td data-bbox="336 1104 549 1193">One Touch</td> <td data-bbox="549 1104 890 1193">Information on one-touch key</td> <td data-bbox="890 1104 1425 1193">Address Book</td> </tr> <tr> <td data-bbox="336 1193 549 1238">User</td> <td data-bbox="549 1193 890 1238">User managements</td> <td data-bbox="890 1193 1425 1238">Job Account</td> </tr> <tr> <td data-bbox="336 1238 549 1283">Document Box</td> <td data-bbox="549 1238 890 1283">Document box information</td> <td data-bbox="890 1238 1425 1283">Job Account, User</td> </tr> <tr> <td data-bbox="336 1283 549 1328">Shortcut</td> <td data-bbox="549 1283 890 1328">Shortcut information</td> <td data-bbox="890 1283 1425 1328">Job Account, User, Document Box</td> </tr> <tr> <td data-bbox="336 1328 549 1373">Fax Forward</td> <td data-bbox="549 1328 890 1373">FAX transfer information</td> <td data-bbox="890 1328 1425 1373">Job Account, User, Document Box</td> </tr> <tr> <td data-bbox="336 1373 549 1417">System</td> <td data-bbox="549 1373 890 1417">System information</td> <td data-bbox="890 1373 1425 1417">-</td> </tr> <tr> <td data-bbox="336 1417 549 1462">Network</td> <td data-bbox="549 1417 890 1462">Network information</td> <td data-bbox="890 1417 1425 1462">-</td> </tr> <tr> <td data-bbox="336 1462 549 1507">Job Setting</td> <td data-bbox="549 1462 890 1507">Job Setting information</td> <td data-bbox="890 1462 1425 1507">-</td> </tr> <tr> <td data-bbox="336 1507 549 1552">Printer</td> <td data-bbox="549 1507 890 1552">Printer information</td> <td data-bbox="890 1507 1425 1552">-</td> </tr> <tr> <td data-bbox="336 1552 549 1597">Fax Setting</td> <td data-bbox="549 1552 890 1597">Fax Setting information</td> <td data-bbox="890 1552 1425 1597">-</td> </tr> <tr> <td data-bbox="336 1597 549 1686">Program</td> <td data-bbox="549 1597 890 1686">Program information</td> <td data-bbox="890 1597 1425 1686">Address Book, Job Account, User, Document Box, Fax Forward, Fax Setting</td> </tr> <tr> <td data-bbox="336 1686 549 1823">Panel Setting</td> <td data-bbox="549 1686 890 1823">Panel Setting information</td> <td data-bbox="890 1686 1425 1823">Address Book, Job Account, User, Document Box, Fax Forward, Fax Setting, Program</td> </tr> </tbody> </table> <p data-bbox="336 1845 1353 1912">* : Since data are dependent with each other, data other than those assigned are also retrieved or written in.</p>	Display	Description	Import	Writing data from the USB memory to the machine	Export	Retrieving from the machine to a USB memory	Display	Description	Depending data	Address Book	Address book	-	Job Account	Job accounting	-	One Touch	Information on one-touch key	Address Book	User	User managements	Job Account	Document Box	Document box information	Job Account, User	Shortcut	Shortcut information	Job Account, User, Document Box	Fax Forward	FAX transfer information	Job Account, User, Document Box	System	System information	-	Network	Network information	-	Job Setting	Job Setting information	-	Printer	Printer information	-	Fax Setting	Fax Setting information	-	Program	Program information	Address Book, Job Account, User, Document Box, Fax Forward, Fax Setting	Panel Setting	Panel Setting information	Address Book, Job Account, User, Document Box, Fax Forward, Fax Setting, Program
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Item No.	Description			
U917	<p>7. Press the start key. Starts reading or writing. The progress of selected item is displayed in %. When an error occurs, the operation is canceled and an error code is displayed.</p> <p>8. When normally completed, [Finish] is displayed. * : Turn the main power switch off and on after completing writing when selecting [Import].</p>			
	Error Codes			
	Codes	Description	Codes	Description
	e002	Parameter error	e318	User managements list error
	e003	File write error	e319	User managements list error
	e004	File initialization error	e31a	User managements open error
	e005	File error	e31b	User managements error
	e006	Processing error	e31c	User managements error
	e010	Address book clear error (contact)	e31d	User managements open error
	e011	Address book open error (contact)	e31e	User managements error
	e012	Address book list error (contact)	e31f	User managements open error
	e013	Address book list error (contact)	e320	User managements error
	e014	Address book clear error (group)	e321	User managements open error
	e015	Address book open error (group)	e322	User managements list error
	e016	Address book list error (group)	e324	Shortcut open error
	e017	Address book list error (group)	e325	Shortcut list error
	e110	Job accounting clear error	e410	Box file open error
	e111	Job accounting open error	e411	Box error in writing
	e112	Job accounting open error	e412	Box error in reading
	e113	Job accounting error in writing	e413	Box list error
	e114	Job accounting list error	e414	Box list error
	e115	Job accounting list error	e415	Box error
	e210	One-touch open error	e416	Box error
	e211	One-touch list error	e417	Box open error
	e212	One-touch list error	e418	Box close error
	e310	User managements backup error	e419	Box creation error
	e311	User managements clear error	e41a	Box creation error
	e312	User managements open error	e41b	Box deletion error
	e313	User managements open error	e41c	Box movement error
	e314	User managements open error	e510	Program error in writing
	e315	User managements error in writing	e511	Program error in reading
e316	User managements list error	e610	Shortcut error in writing	
e317	User managements list error	e611	Shortcut error in reading	

Item No.	Description			
U917	Error Codes			
	Codes	Description	Codes	Description
	e710	Fax memory open error	d002	USB memory is not inserted
	e711	Fax memory initialization error	d003	File for writing is not found in the USB
	e712	Fax memory list error	d004	File for reading is not found in the HDD
	e713	Fax memory error	d005	USB error in writing
	e714	Fax memory error	d006	USB error in reading
	e715	Fax memory mode error	d007	USB unmount error
	e716	Fax memory error	d008	File rename error
	e717	Fax memory error	d009	File open error
	e718	Fax memory mode error	d00a	File close error
	e910	File reading error	d00b	File reading error
	e911	File writing error	d00c	File writing error
	e912	Data mismatch	d00d	File copy error
	e913	Log file open error	d00e	File compressed error
	e914	Log file error in writing	d00f	File decompressed error
	e915	Directory open error	d010	Directory open error
	e916	Directory error in reading	d011	Directory creation error
	e917	Synchronization error	d012	File writing error
	e918	Synchronization error	d013	File reading error
d000	Unspecified error	d014	File deletion error	
d001	HDD unavailable	d015	File copy error to the USB	
Completion				
Press the stop key. The screen for selecting a maintenance item No. is displayed.				

Item No.	Description																																								
U920	<p data-bbox="288 241 624 275">Checking the copy counts</p> <p data-bbox="288 309 440 342">Description</p> <p data-bbox="288 344 584 378">Checks the copy counts.</p> <p data-bbox="288 380 400 414">Purpose</p> <p data-bbox="288 416 600 450">To check the copy counts.</p> <p data-bbox="288 483 387 517">Method</p> <ol data-bbox="304 519 564 584" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 595 1401 741"> <thead> <tr> <th data-bbox="336 595 639 640">Display</th> <th data-bbox="639 595 1401 640">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 640 639 685">Main Function</td> <td data-bbox="639 640 1401 685">Counts of main function</td> </tr> <tr> <td data-bbox="336 685 639 741">Sub Function</td> <td data-bbox="639 685 1401 741">Counts of sub function</td> </tr> </tbody> </table> <p data-bbox="288 786 600 819">[Setting: Main Function]</p> <ol data-bbox="304 822 778 887" style="list-style-type: none"> 1. Select the item. <p data-bbox="336 853 778 887">* : The current counts are displayed.</p> <table border="1" data-bbox="336 898 1401 1424"> <thead> <tr> <th data-bbox="336 898 639 943">Display</th> <th data-bbox="639 898 1401 943">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 943 639 987">Color Copy(H)</td> <td data-bbox="639 943 1401 987">Count value of full color copy (coverage: high)</td> </tr> <tr> <td data-bbox="336 987 639 1032">Color Copy(M)</td> <td data-bbox="639 987 1401 1032">Count value of full color copy (coverage: middle)</td> </tr> <tr> <td data-bbox="336 1032 639 1077">Color Copy(L)</td> <td data-bbox="639 1032 1401 1077">Count value of full color copy (coverage: low)</td> </tr> <tr> <td data-bbox="336 1077 639 1122">Mono Color Copy</td> <td data-bbox="639 1077 1401 1122">Count value of single color copy</td> </tr> <tr> <td data-bbox="336 1122 639 1167">B/W Copy</td> <td data-bbox="639 1122 1401 1167">Count value of black/white copy</td> </tr> <tr> <td data-bbox="336 1167 639 1211">Color Prn(H)</td> <td data-bbox="639 1167 1401 1211">Count value of full color print (coverage: high)</td> </tr> <tr> <td data-bbox="336 1211 639 1256">Color Prn(M)</td> <td data-bbox="639 1211 1401 1256">Count value of full color print (coverage: middle)</td> </tr> <tr> <td data-bbox="336 1256 639 1301">Color Prn(L)</td> <td data-bbox="639 1256 1401 1301">Count value of full color print (coverage: low)</td> </tr> <tr> <td data-bbox="336 1301 639 1346">B/W Prn</td> <td data-bbox="639 1301 1401 1346">Count value of black/white print</td> </tr> <tr> <td data-bbox="336 1346 639 1424">B/W Fax</td> <td data-bbox="639 1346 1401 1424">Count value of black/white FAX</td> </tr> </tbody> </table> <p data-bbox="288 1458 592 1491">[Setting: Sub Function]</p> <ol data-bbox="304 1494 772 1559" style="list-style-type: none"> 1. Select the item. <p data-bbox="336 1525 772 1559">* : The current counts are displayed.</p> <table border="1" data-bbox="336 1570 1401 1850"> <thead> <tr> <th data-bbox="336 1570 639 1615">Display</th> <th data-bbox="639 1570 1401 1615">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1615 639 1659">Simplex</td> <td data-bbox="639 1615 1401 1659">Count value of Simplex copy</td> </tr> <tr> <td data-bbox="336 1659 639 1704">Duplex</td> <td data-bbox="639 1659 1401 1704">Count value of Duplex copy</td> </tr> <tr> <td data-bbox="336 1704 639 1749">Combine(Off)</td> <td data-bbox="639 1704 1401 1749">Count value of Combine copy (Off)</td> </tr> <tr> <td data-bbox="336 1749 639 1794">Combine(2in1)</td> <td data-bbox="639 1749 1401 1794">Count value of Combine copy (2in1)</td> </tr> <tr> <td data-bbox="336 1794 639 1850">Combine(4in1)</td> <td data-bbox="639 1794 1401 1850">Count value of Combine copy (4in1)</td> </tr> </tbody> </table> <p data-bbox="288 1906 440 1939">Completion</p> <p data-bbox="288 1942 1254 1975">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Main Function	Counts of main function	Sub Function	Counts of sub function	Display	Description	Color Copy(H)	Count value of full color copy (coverage: high)	Color Copy(M)	Count value of full color copy (coverage: middle)	Color Copy(L)	Count value of full color copy (coverage: low)	Mono Color Copy	Count value of single color copy	B/W Copy	Count value of black/white copy	Color Prn(H)	Count value of full color print (coverage: high)	Color Prn(M)	Count value of full color print (coverage: middle)	Color Prn(L)	Count value of full color print (coverage: low)	B/W Prn	Count value of black/white print	B/W Fax	Count value of black/white FAX	Display	Description	Simplex	Count value of Simplex copy	Duplex	Count value of Duplex copy	Combine(Off)	Count value of Combine copy (Off)	Combine(2in1)	Count value of Combine copy (2in1)	Combine(4in1)	Count value of Combine copy (4in1)
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Item No.	Description				
U927	<p>Clearing the all copy counts and machine life counts (one time only)</p> <p>Description Resets all of the counts back to zero.</p> <p>Supplement The total account counter and the machine life counter can be cleared only once if all count values are 1000 or less.</p> <p>Method 1. Press the start key. 2. Select [Execute]. 3. Press the start key. All copy counts and machine life counts are cleared.</p> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>				
U928	<p>Checking machine life counts</p> <p>Description Displays the machine life counts.</p> <p>Purpose To check the machine life counts.</p> <p>Method 1. Press the start key. The current machine life counts is displayed.</p> <table border="1" data-bbox="336 1337 1401 1433"> <thead> <tr> <th data-bbox="336 1337 641 1384">Display</th> <th data-bbox="641 1337 1401 1384">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1384 641 1433">Cnt</td> <td data-bbox="641 1384 1401 1433">Machine life counts</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Cnt	Machine life counts
Display	Description				
Cnt	Machine life counts				

Item No.	Description						
U933	<p data-bbox="288 241 746 275">Set Maintenance Mode Execute Log</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1426 443">Performs individual configuration or log file printing for the date when maintenance mode is entered and exited or for the feature which records the dates when maintenance mode numbers are executed.</p> <p data-bbox="288 450 400 479">Purpose</p> <p data-bbox="288 483 1398 546">Logs a history of execution of maintenance modes for an analysis of causes against the problems.</p> <p data-bbox="288 589 387 618">Method</p> <ol data-bbox="304 622 564 685" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 698 1399 844"> <thead> <tr> <th data-bbox="336 698 641 745">Display</th> <th data-bbox="641 698 1399 745">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 745 641 792">Export</td> <td data-bbox="641 745 1399 792">Exports a maintenance log</td> </tr> <tr> <td data-bbox="336 792 641 844">Setting</td> <td data-bbox="641 792 1399 844">Configures maintenance logs to output</td> </tr> </tbody> </table> <p data-bbox="288 891 507 920">Method: [Export]</p> <ol data-bbox="304 925 564 1028" style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. <p data-bbox="336 1032 924 1061">Exports a maintenance log to a USB flash device.</p> <p data-bbox="336 1066 1046 1095">* : [Execute] is grayed out is a USB memory is not installed.</p> <p data-bbox="336 1099 815 1128">* : Displays a OK or NG after execution.</p> <p data-bbox="288 1171 507 1200">Setting: [Setting]</p> <ol data-bbox="304 1205 1410 1375" style="list-style-type: none"> 1. Select the item. <ul data-bbox="336 1238 1410 1341" style="list-style-type: none"> * : Select the key that includes the number you want to configure as the logs are displayed block by block. ([U000-U019],[U020-U029], ,[U900-U999]) 2. Enable or disable the number to configure. <p data-bbox="288 1447 440 1476">Completion</p> <p data-bbox="288 1480 1254 1509">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Export	Exports a maintenance log	Setting	Configures maintenance logs to output
Display	Description						
Export	Exports a maintenance log						
Setting	Configures maintenance logs to output						

Item No.	Description																				
U942	<p data-bbox="287 241 805 275">Setting of deflection for feeding from DP</p> <p data-bbox="287 309 438 342">Description</p> <p data-bbox="287 344 1141 378">Adjusts the deflection generated when the document processor is used.</p> <p data-bbox="287 380 399 414">Purpose</p> <p data-bbox="287 416 1412 483">Use this mode if an original non-feed jam, oblique feed or wrinkling of original occurs when the document processor is used.</p> <p data-bbox="287 517 383 551">Setting</p> <ol data-bbox="303 553 1189 757" style="list-style-type: none"> 1. Press the start key. 2. Press the system menu key. 3. Place an original on the DP and press the start key to make a test copy. 4. Press the system menu key. 5. Select the item to be adjusted. 6. Change the setting value using the +/- keys or numeric keys. <table border="1" data-bbox="335 768 1401 994"> <thead> <tr> <th data-bbox="343 779 502 846">Display</th> <th data-bbox="502 779 941 846">Description</th> <th data-bbox="941 779 1077 846">Setting range</th> <th data-bbox="1077 779 1189 846">Initial setting</th> <th data-bbox="1189 779 1393 846">Change in value per step</th> </tr> </thead> <tbody> <tr> <td data-bbox="343 857 502 891">Front</td> <td data-bbox="502 857 941 891">Deflection of single-sided original</td> <td data-bbox="941 857 1077 891">-31 to 31</td> <td data-bbox="1077 857 1189 891">0</td> <td data-bbox="1189 857 1393 891">0.17 mm</td> </tr> <tr> <td data-bbox="343 902 502 936">Back*</td> <td data-bbox="502 902 941 936">Deflection of double-sided original</td> <td data-bbox="941 902 1077 936">-31 to 31</td> <td data-bbox="1077 902 1189 936">0</td> <td data-bbox="1189 902 1393 936">0.17 mm</td> </tr> <tr> <td data-bbox="343 947 502 981">Mix</td> <td data-bbox="502 947 941 981">Deflection of mixed original</td> <td data-bbox="941 947 1077 981">-31 to 31</td> <td data-bbox="1077 947 1189 981">0</td> <td data-bbox="1189 947 1393 981">0.17 mm</td> </tr> </tbody> </table> <p data-bbox="335 1010 598 1043">*1: Reversed DP only.</p> <p data-bbox="335 1046 1380 1113">* : The greater the value, the larger the deflection; the smaller the value, the smaller the deflection.</p> <p data-bbox="375 1115 1412 1182">If an original non-feed jam or oblique feed occurs, increase the setting value. If wrinkling of original occurs, decrease the value.</p> <ol data-bbox="303 1184 766 1218" style="list-style-type: none"> 7. Press the start key. The value is set. <p data-bbox="287 1252 438 1285">Completion</p> <p data-bbox="287 1288 1252 1321">Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	Setting range	Initial setting	Change in value per step	Front	Deflection of single-sided original	-31 to 31	0	0.17 mm	Back*	Deflection of double-sided original	-31 to 31	0	0.17 mm	Mix	Deflection of mixed original	-31 to 31	0	0.17 mm
Display	Description	Setting range	Initial setting	Change in value per step																	
Front	Deflection of single-sided original	-31 to 31	0	0.17 mm																	
Back*	Deflection of double-sided original	-31 to 31	0	0.17 mm																	
Mix	Deflection of mixed original	-31 to 31	0	0.17 mm																	

Item No.	Description																														
U952	<p data-bbox="288 241 657 271">Maintenance mode workflow</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 1425 409">The maintenance modes configured in the machine or a USB flash device as a workflow must be executed in succession.</p> <p data-bbox="288 414 400 443">Purpose</p> <p data-bbox="288 448 983 477">This allows maintenance mode to be preset as a template.</p> <p data-bbox="288 517 384 546">Setting</p> <ol data-bbox="304 551 564 616" style="list-style-type: none"> 1. Press the start key. 2. Select the item. <table border="1" data-bbox="336 629 1399 965"> <thead> <tr> <th data-bbox="336 629 603 674">Display</th> <th data-bbox="603 629 1399 674">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 674 603 719">Continue</td> <td data-bbox="603 674 1399 719">Restarting an abandoned workflow</td> </tr> <tr> <td data-bbox="336 719 603 763">Execute(USB)</td> <td data-bbox="603 719 1399 763">Executes a workflow housed in a USB flash device</td> </tr> <tr> <td data-bbox="336 763 603 808">Execute</td> <td data-bbox="603 763 1399 808">Executes a workflow stored in the machine</td> </tr> <tr> <td data-bbox="336 808 603 853">Entry(USB)</td> <td data-bbox="603 808 1399 853">Exports a workflow housed in a USB flash device to the machine</td> </tr> <tr> <td data-bbox="336 853 603 898">Entry</td> <td data-bbox="603 853 1399 898">Assigns a workflow in the machine manually</td> </tr> <tr> <td data-bbox="336 898 603 965">Log</td> <td data-bbox="603 898 1399 965">Displays a list of workflows recently executed</td> </tr> </tbody> </table> <p data-bbox="288 1010 523 1039">Method: [Execute]</p> <ol data-bbox="304 1043 572 1108" style="list-style-type: none"> 1. Select [Execute]. 2. Select the workflow. <table border="1" data-bbox="336 1122 1399 1267"> <thead> <tr> <th data-bbox="336 1122 639 1167">Display</th> <th data-bbox="639 1122 1399 1167">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1167 639 1211">Data1 - 8</td> <td data-bbox="639 1167 1399 1211">The area to store workflows in the machine</td> </tr> <tr> <td data-bbox="336 1211 639 1267">USB</td> <td data-bbox="639 1211 1399 1267">USB memory</td> </tr> </tbody> </table> <ol data-bbox="304 1279 1126 1344" style="list-style-type: none"> 3. Press the start key. Executes maintenance modes defined in a workflow in succession. <p data-bbox="288 1384 491 1413">Method: [Entry]</p> <ol data-bbox="304 1417 730 1482" style="list-style-type: none"> 1. Select [Entry]. 2. Select the area to store workflow. <table border="1" data-bbox="336 1496 1399 1641"> <thead> <tr> <th data-bbox="336 1496 639 1541">Display</th> <th data-bbox="639 1496 1399 1541">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1541 639 1585">Data1 - 8</td> <td data-bbox="639 1541 1399 1585">The area to store workflows in the machine</td> </tr> <tr> <td data-bbox="336 1585 639 1641">USB</td> <td data-bbox="639 1585 1399 1641">USB memory</td> </tr> </tbody> </table> <ol data-bbox="304 1659 1294 1688" style="list-style-type: none"> 3. Press the +/- keys or numeric keys to assign a maintenance Nbr. into a workflow. <table border="1" data-bbox="336 1702 1399 1798"> <thead> <tr> <th data-bbox="336 1702 639 1747">Display</th> <th data-bbox="639 1702 1399 1747">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1747 639 1798">Flow1 - 14</td> <td data-bbox="639 1747 1399 1798">Assign a maintenance Nbr.</td> </tr> </tbody> </table> <ol data-bbox="304 1809 1126 1906" style="list-style-type: none"> 4. Press the start key. The setting is set. 5. Press the start key. Executes maintenance modes defined in a workflow in succession. 	Display	Description	Continue	Restarting an abandoned workflow	Execute(USB)	Executes a workflow housed in a USB flash device	Execute	Executes a workflow stored in the machine	Entry(USB)	Exports a workflow housed in a USB flash device to the machine	Entry	Assigns a workflow in the machine manually	Log	Displays a list of workflows recently executed	Display	Description	Data1 - 8	The area to store workflows in the machine	USB	USB memory	Display	Description	Data1 - 8	The area to store workflows in the machine	USB	USB memory	Display	Description	Flow1 - 14	Assign a maintenance Nbr.
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Display	Description																														
Flow1 - 14	Assign a maintenance Nbr.																														

Item No.	Description														
U952	<p>Method: [Execute(USB)]</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U952. 5. Select [Execute(USB)]. 6. Select the workflow. <table border="1" data-bbox="338 528 1401 624"> <thead> <tr> <th data-bbox="338 528 641 573">Display</th> <th data-bbox="641 528 1401 573">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 573 641 624">WorkFlowData01 - 07</td> <td data-bbox="641 573 1401 624">Workflow data in the USB flash device</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Press the start key. Executes maintenance modes defined in a workflow in succession. <p>Method: [Entry(USB)]</p> <ol style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U952. 5. Select [Entry(USB)]. 6. Select the workflow. <table border="1" data-bbox="338 1025 1401 1122"> <thead> <tr> <th data-bbox="338 1025 641 1070">Display</th> <th data-bbox="641 1025 1401 1070">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1070 641 1122">WorkFlowData01 - 07</td> <td data-bbox="641 1070 1401 1122">Workflow data in the USB flash device</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 7. Select the work flow save area. <table border="1" data-bbox="338 1173 1401 1317"> <thead> <tr> <th data-bbox="338 1173 641 1218">Display</th> <th data-bbox="641 1173 1401 1218">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="338 1218 641 1263">Data1 - 8</td> <td data-bbox="641 1218 1401 1263">The area to store workflows in the machine</td> </tr> <tr> <td data-bbox="338 1263 641 1317">USB</td> <td data-bbox="641 1263 1401 1317">USB memory</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 8. Select [Execute]. Exports a workflow housed in a USB flash device to the machine. <p>Example Registration is feasible when a USB flash device that stores the commands and text/maintenance ID (editable) is inserted. File Format: xxx.mwf</p> <ol style="list-style-type: none"> 1.SET UP, 464, 469, 410, 000, 927, 278 2.WARRANTY, 089, 000 3.MK-A, 127, 901, 410, 251 4.MK-B, 410, 251 5.EH SET UP, 411, 034, 246 <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	WorkFlowData01 - 07	Workflow data in the USB flash device	Display	Description	WorkFlowData01 - 07	Workflow data in the USB flash device	Display	Description	Data1 - 8	The area to store workflows in the machine	USB	USB memory
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Display	Description														
WorkFlowData01 - 07	Workflow data in the USB flash device														
Display	Description														
Data1 - 8	The area to store workflows in the machine														
USB	USB memory														

Item No.	Description																						
U964	<p data-bbox="288 241 494 275">Checking of log</p> <p data-bbox="288 311 440 340">Description</p> <p data-bbox="288 344 925 374">Sends a log file saved on the HDD to a USB memory.</p> <p data-bbox="288 380 400 409">Purpose</p> <p data-bbox="288 414 1412 479">To transfer a log file saved on the HDD to a USB memory as a means of investigating malfunctions.</p> <p data-bbox="288 517 387 546">Method</p> <ol data-bbox="304 553 1426 719" style="list-style-type: none"> 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U964. <table border="1" data-bbox="336 734 1401 880"> <thead> <tr> <th data-bbox="336 734 639 779">Display</th> <th data-bbox="639 734 1401 779">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 779 639 824">Execute</td> <td data-bbox="639 779 1401 824">Executes transferring a log file.</td> </tr> <tr> <td data-bbox="336 824 639 880">Jam Log</td> <td data-bbox="639 824 1401 880">Switches functions for obtaining logs at a paper jam.</td> </tr> </tbody> </table> <ol data-bbox="304 898 1380 1133" style="list-style-type: none"> 5. Select [Execute]. 6. Press the start key. Starts sending the log file saved on the HDD to the USB memory. Processing is displayed for approximately 3 to 5 minutes. 7. When normally completed, [Completed] is displayed. 8. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. If a problem occurs during auto correction, error code is displayed. <p data-bbox="288 1171 528 1200">Setting: [Jam Log]</p> <ol data-bbox="304 1207 536 1272" style="list-style-type: none"> 1. Select Jam Log. 2. Select On or Off. <table border="1" data-bbox="336 1285 1401 1431"> <thead> <tr> <th data-bbox="336 1285 639 1330">Display</th> <th data-bbox="639 1285 1401 1330">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1330 639 1375">On</td> <td data-bbox="639 1330 1401 1375">Set On.</td> </tr> <tr> <td data-bbox="336 1375 639 1431">Off</td> <td data-bbox="639 1375 1401 1431">Set Off.</td> </tr> </tbody> </table> <ol data-bbox="304 1440 782 1469" style="list-style-type: none"> 3. Press the start key. The setting is set. <p data-bbox="288 1507 446 1536">Supplement</p> <p data-bbox="288 1543 1208 1572">Instructions on how to obtain a log when the operation panel has frozen</p> <p data-bbox="288 1579 1382 1608">Simultaneously press and hold the *, 8, 6, and Clear keys for 3 to 6 seconds to start logging.</p> <p data-bbox="288 1615 1386 1644">The memory indicator keeps lighting during a log is generated and goes off when completed.</p> <p data-bbox="336 1650 1431 1715">* : The logs obtained in this manner can be retrieved in the USB flash device using the maintenance mode.</p> <p data-bbox="336 1722 488 1751">Error codes</p> <table border="1" data-bbox="336 1758 1401 1998"> <thead> <tr> <th data-bbox="336 1758 639 1803">Display</th> <th data-bbox="639 1758 1401 1803">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1803 639 1848">No Usb Storage</td> <td data-bbox="639 1803 1401 1848">USB memory is not inserted</td> </tr> <tr> <td data-bbox="336 1848 639 1892">No File</td> <td data-bbox="639 1848 1401 1892">File is not found</td> </tr> <tr> <td data-bbox="336 1892 639 1937">Mount Error</td> <td data-bbox="639 1892 1401 1937">Failure to delete the existing files in the USB flash device</td> </tr> <tr> <td data-bbox="336 1937 639 1998">File Delete Error</td> <td data-bbox="639 1937 1401 1998">Failure to copy from the HDD to the USB flash device</td> </tr> </tbody> </table>	Display	Description	Execute	Executes transferring a log file.	Jam Log	Switches functions for obtaining logs at a paper jam.	Display	Description	On	Set On.	Off	Set Off.	Display	Description	No Usb Storage	USB memory is not inserted	No File	File is not found	Mount Error	Failure to delete the existing files in the USB flash device	File Delete Error	Failure to copy from the HDD to the USB flash device
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Item No.	Description								
U964	<table border="1" data-bbox="336 286 1401 479"> <thead> <tr> <th data-bbox="336 286 639 331">Display</th> <th data-bbox="639 286 1401 331">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 331 639 376">Copy Error</td> <td data-bbox="639 331 1401 376">File copy error</td> </tr> <tr> <td data-bbox="336 376 639 421">Unmount Error</td> <td data-bbox="639 376 1401 421">USB memory unmount error</td> </tr> <tr> <td data-bbox="336 421 639 479">Other Error</td> <td data-bbox="639 421 1401 479">Other error</td> </tr> </tbody> </table>	Display	Description	Copy Error	File copy error	Unmount Error	USB memory unmount error	Other Error	Other error
Display	Description								
Copy Error	File copy error								
Unmount Error	USB memory unmount error								
Other Error	Other error								
U969	<p data-bbox="288 506 651 539">Checking of toner area code</p> <p data-bbox="288 573 440 607">Description Displays the toner area code.</p> <p data-bbox="288 640 400 674">Purpose To check the toner area code.</p> <p data-bbox="288 741 389 775">Method 1. Press the start key. The toner area code is displayed.</p> <p data-bbox="288 842 440 875">Completion Press the stop/clear key. The screen for selecting a maintenance item No. is displayed.</p>								
U977	<p data-bbox="288 938 533 972">Data capture mode</p> <p data-bbox="288 1005 440 1039">Description Store the print data sent to the machine into USB memory.</p> <p data-bbox="288 1072 400 1106">Purpose In case to occur the error at printing, check the print data sent to the machine.</p> <p data-bbox="288 1173 389 1207">Method 1. Press the power key on the operation panel, and after verifying the main power indicator has gone off, switch off the main power switch. 2. Insert USB memory in USB memory slot. 3. Turn the main power switch on. 4. Enter maintenance item U977. 5. Select [Execute]. 6. Press the start key. 7. Send the print data to the machine. Once the print data is stored into USB memory, [Finish] will be displayed.</p> <p data-bbox="288 1554 440 1588">Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p> <p data-bbox="288 1688 440 1722">Error codes</p> <table border="1" data-bbox="336 1733 1401 1966"> <thead> <tr> <th data-bbox="336 1733 639 1778">Display</th> <th data-bbox="639 1733 1401 1778">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1778 639 1868">1</td> <td data-bbox="639 1778 1401 1868">Removable memory is Crush(ing). Or it extracted and writeprotect during data processing.</td> </tr> <tr> <td data-bbox="336 1868 639 1912">4</td> <td data-bbox="639 1868 1401 1912">The capacity of Removable memory is Full.</td> </tr> <tr> <td data-bbox="336 1912 639 1966">50</td> <td data-bbox="639 1912 1401 1966">Other error</td> </tr> </tbody> </table>	Display	Description	1	Removable memory is Crush(ing). Or it extracted and writeprotect during data processing.	4	The capacity of Removable memory is Full.	50	Other error
Display	Description								
1	Removable memory is Crush(ing). Or it extracted and writeprotect during data processing.								
4	The capacity of Removable memory is Full.								
50	Other error								

Item No.	Description																
U984	<p>Checking the developer unit number</p> <p>Description Displays the developer unit number.</p> <p>Purpose To check the developer unit number.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The developer unit number for each color is displayed. <table border="1" data-bbox="347 533 1412 741"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Cyan developer unit number</td> </tr> <tr> <td>M</td> <td>Magenta developer unit number</td> </tr> <tr> <td>Y</td> <td>Yellow developer unit number</td> </tr> <tr> <td>K</td> <td>Black developer unit number</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan developer unit number	M	Magenta developer unit number	Y	Yellow developer unit number	K	Black developer unit number						
Display	Description																
C	Cyan developer unit number																
M	Magenta developer unit number																
Y	Yellow developer unit number																
K	Black developer unit number																
U985	<p>Displaying the developer history</p> <p>Description Displays the past record of machine number and the developer counter.</p> <p>Purpose To check the count value of machine number and the developer counter.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select the color to check. <table border="1" data-bbox="347 1272 1412 1512"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>Cyan developer unit past record</td> </tr> <tr> <td>M</td> <td>Magenta developer unit past record</td> </tr> <tr> <td>Y</td> <td>Yellow developer unit past record</td> </tr> <tr> <td>K</td> <td>Black developer unit past record</td> </tr> </tbody> </table> <p>3. The history of a machine number and a developer counter for each color is displayed by three cases.</p> <table border="1" data-bbox="336 1617 1401 1762"> <thead> <tr> <th>Display</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Machine History 1 - 3</td> <td>Historical records of the machine number</td> </tr> <tr> <td>Cnt History 1 - 3</td> <td>Historical records of developer counter</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance item No. is displayed.</p>	Display	Description	C	Cyan developer unit past record	M	Magenta developer unit past record	Y	Yellow developer unit past record	K	Black developer unit past record	Display	Description	Machine History 1 - 3	Historical records of the machine number	Cnt History 1 - 3	Historical records of developer counter
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Display	Description																
Machine History 1 - 3	Historical records of the machine number																
Cnt History 1 - 3	Historical records of developer counter																

Item No.	Description								
U989	<p>HDD Scan disk</p> <p>Description Restores data in the hard disk by scanning the disk.</p> <p>Purpose If power is turned off while accessing to the hard disk is performed, the control information in the hard disk drive may be damaged. Use this mode to restore the data.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. 2. Select [Execute]. 3. Press the start key. When scanning of the disk is complete, the execution result is displayed. 4. Turn the main power switch off and on. Allow more than 5 seconds between Off and On. 								
U991	<p>Checking the scanner operation count</p> <p>Description Displays the scanner operation count.</p> <p>Purpose To check the status of use of the scanner.</p> <p>Method</p> <ol style="list-style-type: none"> 1. Press the start key. The current operation counts is displayed. <table border="1" data-bbox="336 1061 1401 1252"> <thead> <tr> <th data-bbox="336 1061 641 1106">Display</th> <th data-bbox="641 1061 1401 1106">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="336 1106 641 1151">Copy Scan</td> <td data-bbox="641 1106 1401 1151">Scanner operation counts for copying</td> </tr> <tr> <td data-bbox="336 1151 641 1196">Fax Scan</td> <td data-bbox="641 1151 1401 1196">Scanner operation counts for fax</td> </tr> <tr> <td data-bbox="336 1196 641 1252">Other Scan</td> <td data-bbox="641 1196 1401 1252">Scanner operation counts except for copying</td> </tr> </tbody> </table> <p>Completion Press the stop key. The screen for selecting a maintenance No. item is displayed.</p>	Display	Description	Copy Scan	Scanner operation counts for copying	Fax Scan	Scanner operation counts for fax	Other Scan	Scanner operation counts except for copying
Display	Description								
Copy Scan	Scanner operation counts for copying								
Fax Scan	Scanner operation counts for fax								
Other Scan	Scanner operation counts except for copying								

1-4-1 Paper misfeed detection

(1) Paper misfeed indication

When a paper misfeed occurs, the machine immediately stops printing and displays the paper misfeed message on the operation panel. To remove paper misfed in the machine, pull out the cassette, open the paper conveying unit or paper conveying cover.

The positions and the corrective actions are displayed on the touch panel when a paper jam has occurred.

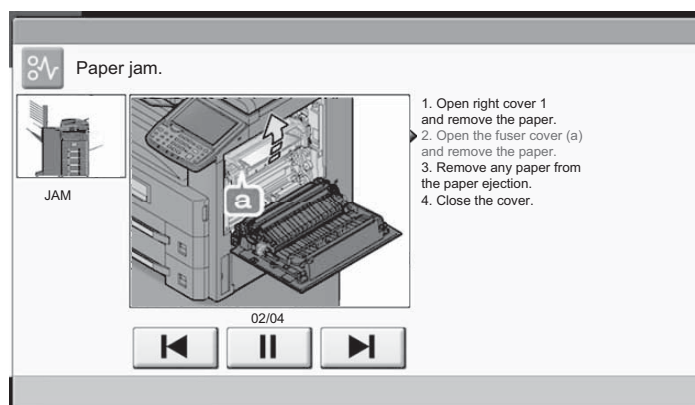


Figure 1-4-1

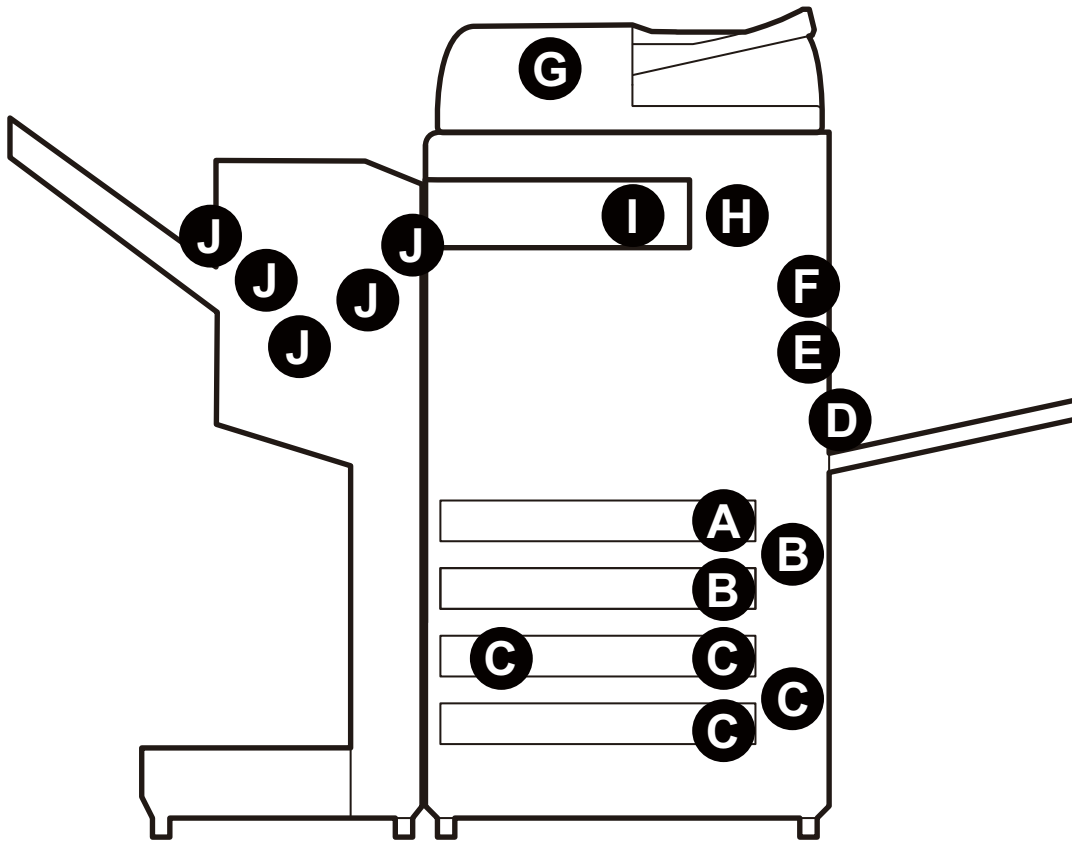


Figure 1-4-2

- (A) Misfeed in the cassette 1
- (B) Misfeed in the cassette 2
- (C) Misfeed in the cassette 3 or 4 (option)
- (D) Misfeed in the MP tray
- (E) Misfeed in the duplex unit
- (F) Misfeed in the inner tray or fuser section
- (G) Misfeed in the document processor (option)
- (H) Misfeed in the job separator
- (I) Misfeed in the the bridge (option)
- (J) Misfeed in the the document finisher (option)

(2) Paper misfeed detection component

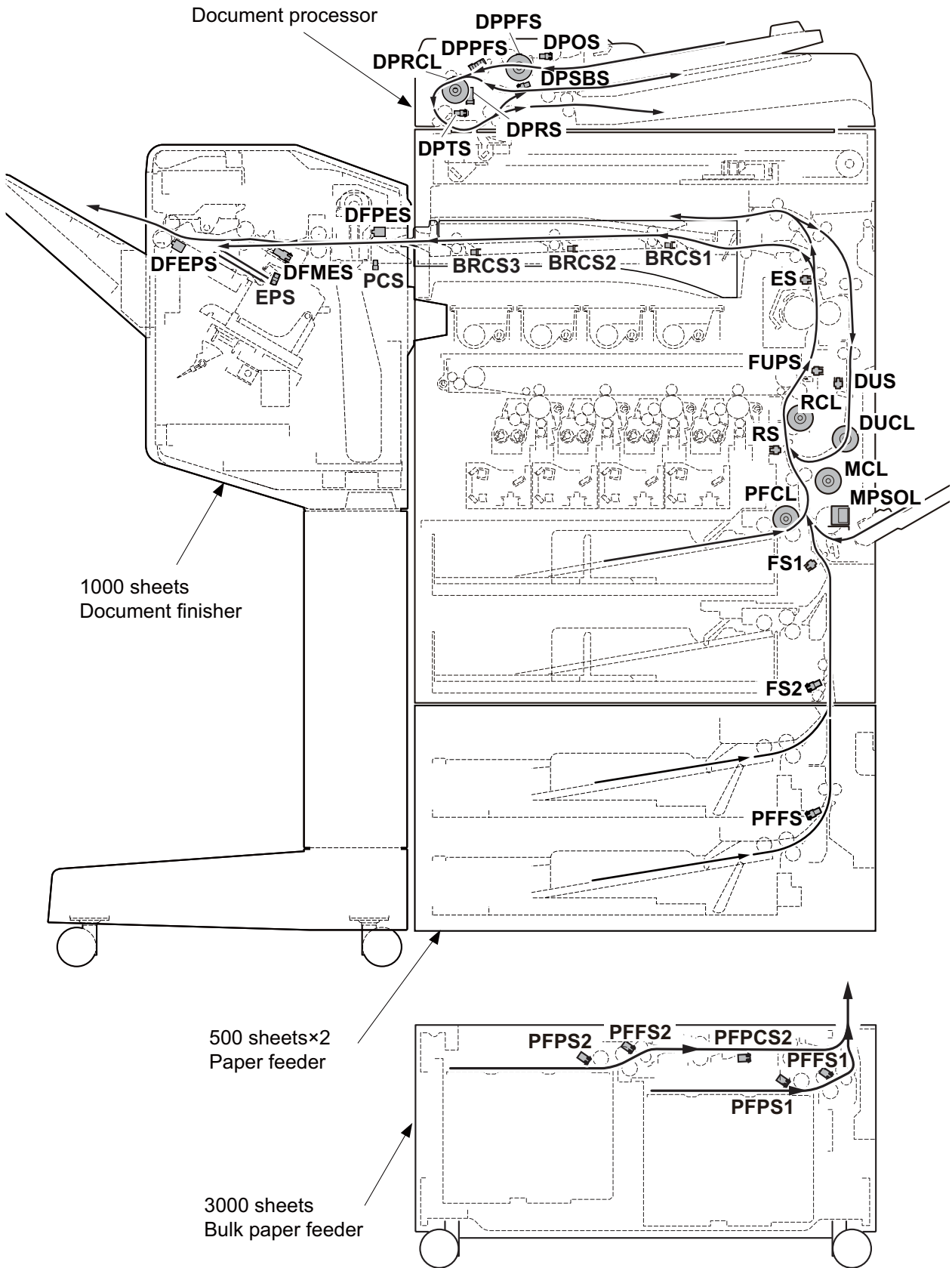


Figure 1-4-3

Code	Contents	Conditions	Jam location*
0000	Initial jam	The power is turned on when a sensor in the conveying system is on.	-
0100	Secondary paper feed request time out	Secondary paper feed request given by the controller is unreachable.	B
0101	Waiting for process package to be ready	Process package won't be ready.	-
0104	Waiting for conveying package to be ready	Conveying package won't be ready.	-
0106	Paper feeding request for duplex printing time out	Paper feeding request for duplex printing given by the controller is unreachable.	E
0107	Waiting for fuser package to be ready	Fuser package won't be ready.	-
0110	Right cover 1 open	The right cover 1 is opened during printing.	-
0111	Front cover open	The front cover is opened during printing.	-
0112	Right cover 3 open	The right cover 3 is opened during printing.	-
0120	Receiving a duplex paper feeding request while paper is empty	Paper feed request was received from the duplex section despite the absence of paper in the duplex section.	-
0121	Exceeding number of duplex pages circulated	The controller issued the duplex section a request for more pages than the duplex print cycle contains.	-
0210	Right cover 2 open	The right cover 2 is opened during printing.	E
0501	No paper feed from cassette 1	The registration sensor (RS) does not turn on during paper feed from cassette 1.	-
0502	No paper feed from cassette 2	Feed sensor 1 (FS1) does not turn on during paper feed from cassette 2 (Retry 1 times).	A
0503	No paper feed from cassette 3	Feed sensor 2 (FS2) does not turn on during paper feed from cassette 3 (Retry 1 times).	B
0504	No paper feed from cassette 4	PF feed sensor (PFFS) does not turn on during paper feed from cassette 4 (Retry 1 times).	C
0508	No paper feed from duplex section	The registration sensor (RS) does not turn on during paper feed from the duplex section.	C
0509	No paper feed from MP tray	The registration sensor (RS) does not turn on during paper feed from the MP tray.	E
0511	Multiple sheets in cassette 1	The registration sensor (RS) does not turn off during paper feed from cassette 1.	D
0512	Multiple sheets in cassette 2	Feed sensor 1 (FS1) does not turn off during paper feed from cassette 2.	F
0513	Multiple sheets in cassette 3	Feed sensor 2 (FS2) does not turn off during paper feed from cassette 3.	B

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
0514	Multiple sheets in cassette 4	PF feed sensor (PFFS) does not turn off during paper feed from cassette 4.	C
0518	Multiple sheets in duplex section	The registration sensor (RS) does not turn off during paper feed from the duplex section.	E
0519	Multiple sheets in MP tray	The registration sensor (RS) does not turn off during paper feed from the MP tray.	F
0523	No paper feed from cassette 3	PF feed sensor 1 (PFFS1) does not turn on during paper feed from cassette 3 (Bulk paper feeder).	C
0524	No paper feed from cassette 4	PF feed sensor 2 (PFFS2) does not turn on during paper feed from cassette 4 (Bulk paper feeder).	C
0533	Multiple sheets in cassette 3	PF feed sensor 1 (PFFS1) does not turn off during paper feed from cassette 3 (Bulk paper feeder).	C
0534	Multiple sheets in cassette 4	PF feed sensor 2 (PFFS2) does not turn off during paper feed from cassette 4 (Bulk paper feeder).	C
1403	Feed sensor 1 non arrival jam	Feed sensor 1 (FS1) does not turn on during paper feed from cassette 3.	B
1404		Feed sensor 1 (FS1) does not turn on during paper feed from cassette 4.	B
1413	Feed sensor 1 stay jam	Feed sensor 1 (FS1) does not turn off during paper feed from cassette 3.	B
1414		Feed sensor 1 (FS1) does not turn off during paper feed from cassette 4.	B
1604	Feed sensor 2 non arrival jam	Feed sensor 2 (FS2) does not turn on during paper feed from cassette 4.	C
1614	Feed sensor 2 stay jam	Feed sensor 2 (FS2) does not turn off during paper feed from cassette 4.	B
2603	PF feed sensor 1 non arrival jam	PF conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 3 (Bulk paper feeder).	C
2604		PF conveying sensor 1 (PFPCS1) does not turn on during paper feed from cassette 4 (Bulk paper feeder).	C
2613	PF feed sensor 1 stay jam	PF conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 3 (Bulk paper feeder).	B
2614		PF conveying sensor 1 (PFPCS1) does not turn off during paper feed from cassette 4 (Bulk paper feeder).	B
2704	PF feed sensor 2 non arrival jam	PF conveying sensor 2 (PFPCS2) does not turn on during paper feed from cassette 4 (Bulk paper feeder).	C

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
2714	PF feed sensor 2 stay jam	PF conveying sensor 2 (PFPCS2) does not turn off during paper feed from cassette 4 (Bulk paper feeder).	C
4002	Registration sensor non arrival jam	The registration sensor (RS) does not turn on during paper feed from cassette 2.	B
4003		The registration sensor (RS) does not turn on during paper feed from cassette 3.	B
4004		The registration sensor (RS) does not turn on during paper feed from cassette 4.	B
4012	Registration sensor stay jam	The registration sensor (RS) does not turn off during paper feed from cassette 2.	B
4013		The registration sensor (RS) does not turn off during paper feed from cassette 3.	B
4014		The registration sensor (RS) does not turn off during paper feed from cassette 4.	B
4101	Fuser pre sensor non arrival jam	The fuser pre sensor (FUPS) does not turn on during paper feed from cassette 1.	F
4102		The fuser pre sensor (FUPS) does not turn on during paper feed from cassette 2.	F
4103		The fuser pre sensor (FUPS) does not turn on during paper feed from cassette 3.	F
4104		The fuser pre sensor (FUPS) does not turn on during paper feed from cassette 4.	F
4108		The fuser pre sensor (FUPS) does not turn on during paper feed from duplex section.	F
4109		The fuser pre sensor (FUPS) does not turn on during paper feed from MP tray.	F
4111		Fuser pre sensor stay jam	The fuser pre sensor (FUPS) does not turn off during paper feed from cassette 1.
4112	The fuser pre sensor (FUPS) does not turn off during paper feed from cassette 2.		F
4113	The fuser pre sensor (FUPS) does not turn off during paper feed from cassette 3.		F
4114	The fuser pre sensor (FUPS) does not turn off during paper feed from cassette 4.		F
4118	The fuser pre sensor (FUPS) does not turn off during paper feed from the duplex section.		E
4119	The fuser pre sensor (FUPS) does not turn off during paper feed from the MP tray.		F

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4201	Eject sensor non arrival jam	The eject sensor (ES) does not turn on during paper feed from cassette 1.	F
4202		The eject sensor (ES) does not turn on during paper feed from cassette 2.	F
4203		The eject sensor (ES) does not turn on during paper feed from cassette 3.	F
4204		The eject sensor (ES) does not turn on during paper feed from cassette 4.	F
4208		The eject sensor (ES) does not turn on during paper feed from duplex section.	E
4209		The eject sensor (ES) does not turn on during paper feed from MP tray.	F
4211	Eject sensor stay jam	The eject sensor (ES) does not turn off during paper feed from cassette 1.	H
4212		The eject sensor (ES) does not turn off during paper feed from cassette 2.	H
4213		The eject sensor (ES) does not turn off during paper feed from cassette 3.	H
4214		The eject sensor (ES) does not turn off during paper feed from cassette 4.	H
4218		The eject sensor (ES) does not turn off during paper feed from the duplex section.	H
4219		The eject sensor (ES) does not turn off during paper feed from the MP tray.	H
4301	Duplex sensor non arrival jam	The duplex sensor (DUS) does not turn on during paper feed from cassette 1.	E
4302		The duplex sensor (DUS) does not turn on during paper feed from cassette 2.	E
4303		The duplex sensor (DUS) does not turn on during paper feed from cassette 3.	E
4304		The duplex sensor (DUS) does not turn on during paper feed from cassette 4.	E
4309		The duplex sensor (DUS) does not turn on during paper feed from the MP tray.	E

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4311	Duplex sensor stay jam	The duplex sensor (DUS) does not turn off during paper feed from cassette 1.	E
4312		The duplex sensor (DUS) does not turn off during paper feed from cassette 2.	E
4313		The duplex sensor (DUS) does not turn off during paper feed from cassette 3.	E
4314		The duplex sensor (DUS) does not turn off during paper feed from cassette 4.	E
4319		The duplex sensor (DUS) does not turn off during paper feed from the MP tray.	E
4901	Bridge conveying sensor 1 non arrival jam	The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 1.	H
4902		The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 2.	H
4903		The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 3.	H
4904		The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from cassette 4.	H
4908		The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from duplex section.	H
4909		The bridge conveying sensor 1 (BRCS1) does not turn on during paper feed from the MP tray.	H

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
4911	Bridge conveying sensor 1 stay jam	The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 1.	H
4912		The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 2.	H
4913		The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 3.	H
4914		The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from cassette 4.	H
4918		The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from duplex section.	H
4919		The bridge conveying sensor 1 (BRCS1) does not turn off during paper feed from the MP tray.	H
5001	Bridge conveying sensor 3 non arrival jam	The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from cassette 1.	H
5002		The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from cassette 2.	H
5003		The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from cassette 3.	H
5004		The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from cassette 4.	H
5008		The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from the duplex section.	H
5009		The bridge conveying sensor 3 (BRCS3) does not turn on during paper feed from theMP tray.	H
5011	Bridge conveying sensor 3 stay jam	The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from cassette 1.	I
5012		The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from cassette 2.	I
5013		The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from cassette 3.	I
5014		The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from cassette 4.	I
5018		The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from duplex section.	I
5019		The bridge conveying sensor 3 (BRCS3) does not turn off during paper feed from the MP tray.	I
6001	DF paper entry error	DF paper entry sensor (DFPES) turns on before the eject signal is output from the machine (1000-sheet finisher).	-
6021	DF front cover open	DF front cover is opened during operation (1000-sheet finisher).	-

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
6041	DF top cover open	DF top cover is opened during operation (1000-sheet finisher).	-
6101	DF paper entry sensor non arrival jam	DF paper entry sensor (DFPES) does not turned on even if a specified time has elapsed after the machine eject signal was received (1000-sheet finisher).	I
6111	DF paper entry sensor stay jam	DF paper entry sensor (DFPES) does not turned off within specified time of its turning on (1000-sheet finisher).	J
6301	DF middle eject sensor non arrival jam	DF middle eject sensor (DFMES) does not turn on within specified time of DF paper entry sensor (DFPES) turning on (1000-sheet finisher).	J
6311	DF middle eject sensor stay jam	DF middle eject sensor (DFMES) is not turned off within specified time of its turning on (1000-sheet finisher).	J
6401	DF tray upper surface sensor non arrival jam	DF tray upper surface sensor (DFTUSS) does not turn on within specified time of DF middle eject sensor (DFMES) turning on (1000-sheet finisher).	J
6411	DF tray upper surface sensor stay jam	DF tray upper surface sensor (DFTUSS) is not turned off within specified time of its turning on (1000-sheet finisher).	J
6511	DF eject paper sensor stay jam	DF eject paper sensor (DFMTS) is not turned off since the bundle discharge starts (1000-sheet finisher).	J
6811	DF side registration sensor 1 stay jam	DF side registration sensor 1 (DFSR1) is not turned off within specified time after driving the DF side registration motor 1 (DFSRM1) (1000-sheet finisher).	J
6911	DF side registration sensor 2 stay jam	DF side registration sensor 2 (DFSR2) is not turned off within specified time after driving the DF side registration motor 2 (DFSRM2) (1000-sheet finisher).	J
7001	DF staple operation error	DF staple sensor (DFSTS) is not turned on within specified time after driving the DF staple motor (DFSTM) (1000-sheet finisher).	J
7100	CF paper entry sensor non arrival jam	CF paper entry sensor (CFPES) is not turned on even if a specified time has elapsed after the machine eject signal was received.	J
7901	HP detection error of a middle motor	DF middle sensor (DFMES) is not turned on.	J
7951	Paper interval error jam	An illegal inter-page or inter-copy interval has occurred (1000-sheet finisher).	J
9000	No paper feed from DP	DP feed sensor (DPPFS) does not turn on during original feed from DP (Retry 5 times).	G

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
9001	DP original conveying jam	DP timing sensor (DPTS) turns off within the specified time since the sensor turns on.	G
9002	DP sensor stay jam	Sensor in the conveying system is on since original feeding starts.	G
9004	DP original switchback jam	During duplex switchback scanning, the DP registration sensor (DPRS) does not turn on within specified time of the DP timing sensor (DPTS) turning off.	G
9005	No original feed jam 2	DP lift sensor 1 (DPLS1) does not turn on within specified time of the lift plate rising.	G
9006	DP switchback jam 3	DP eject sensor (DPES) is not turned on within specified time since original switchback operation starts.	G
9007	DP switchback jam 4	DP eject sensor (DPES) is not turned off within specified time since original switchback operation starts.	G
9008	No original feed jam 3	DP CIS sensor (DPCS) does not turn on within specified time of the paper feed starting.	G
9009	DP original conveying jam 2	Next feed original became the stand-by states of paper feed while reading the image.	G
9010	DP open	The DP is opened during original feeding. Sensor in the conveying system is on when the power is turned on or the cover is closed.	G
9011	DP top cover open	The DP top cover is opened during original feeding.	G
9020	Original skew feed jam	DP skew sensor (DPSS) does not turn on within specified time of DP registration sensor (DPRS) turning on.	G
9110	DP paper feed sensor stay jam	The DP paper feed sensor (DPPFS) or DP registration sensor (DPRS) does not turn off within the specified time of the DP timing sensor (DPTS) turning on.	G
9200	DP registration sensor non arrival jam	The DP registration sensor (DPRS) does not turn on within the specified time of the DP paper feed sensor (DPPFS) turning on.	G
9210	DP registration sensor stay jam	DP registration sensor (DPRS) does not turn off within specified time of DP timing sensor (DPTS) turning on.	G
9300	DP CIS sensor non arrival jam	DP CIS sensor (DPCS) does not turn on within specified time of DP registration sensor (DPRS) turning on.	G

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

Code	Contents	Conditions	Jam location*
9310	DP CIS sensor stay jam	DP CIS sensor (DPCS) does not turn off within specified time of DP registration sensor (DPFS) turning off.	G
9400	DP timing sensor non arrival jam	The DP timing sensor (DPTS) does not turn on within the specified time of the DP registration sensor (DPRS) turning on (Retry 5 times).	G
9410	DP timing sensor stay jam	The DP timing sensor (DPTS) does not turned off within the specified time its turning on.	G
9500	DP switchback sensor non arrival jam	DP switchback sensor (DPSBS) does not turn on within specified time of DP timing sensor (DPTS) turning on.	G
9600	DP eject sensor non arrival jam	DP eject sensor (DPES) does not turn on within specified time of DP timing sensor (DPTS) turning on.	G
9610	DP eject sensor stay jam	DP eject sensor (DPES) does not turn off within specified time of DP timing sensor (DPTS) turning off.	G

*: Refer to figure 1-4-1 for paper jam location (see page 1-4-1).

1-4-2 Self-diagnostic function

(1) Self-diagnostic function

This machine is equipped with self-diagnostic function. When a problem is detected, the machine stops printing and display an error message on the operation panel. An error message consists of a message prompting a contact with service personnel and a four-digit error code indicating the type of the error.

(2) Self-diagnostic codes

If the part causing the problems not designated as a service part, replace the assembly comprising the part.

Code	Contents	Causes	Check procedures/ corrective measures
0030	FAX control PWB system error Processing with the fax software was disabled due to a hardware problem.	Defective PWB.	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, re-mount the FAX controller PWB, then turn power on. 2. Reinstall the fax software. 3. Replace the FAX control PWB.
0070	FAX control PWB incompatible detection error In the initial communication with the FAX control PWB, the normal communication command is not transmitted.	Defective FAX software.	<ol style="list-style-type: none"> 1. Install the FAX system designed for the model. 2. Reinstall the fax software.
		Defective PWB.	Replace the fax control PWB and check for correct operation.
0100	Backup memory device error	Defective flash memory.	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the EEPROM on the main circuit PWB is properly installed on the main circuit PWB and, if not, re-install it.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0120	MAC address data error The data includes an invalid MAC address.	Defective flash memory.	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check the MAC address on the network status page. 3. If it is blank, obtain an EEPROM with its MAC address written from the service support and install.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).

Code	Contents	Causes	Check procedures/ corrective measures
0130	Backup memory read/write error (main PWB) Mismatch between writing data and reading data successively.	Defective NAND.	Turn the main power switch off and after 5 seconds, then turn power on.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0140	Backup memory data error (main PWB) When the data read from NAND is abnormalities	Defective flash memory.	1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Execute U021 - memory initializing.(see page 1-3-32)
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0150	Backup memory read/write error (engine PWB) No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated 5 times successively. Mismatch of reading data from 2 locations occurs 8 times successively. Mismatch between writing data and reading data occurs 8 times successively.	The engine PWB EEPROM was improperly installed.	1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the EEPROM is properly installed on the engine PWB and re-install it.
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
		Defective EEPROM.	Check the EEPROM and if the data are corrupted, contact the service support.
0160	Backup memory data error (engine PWB)	Defective flash memory.	1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Execute U021 - memory initializing.(see page 1-3-32)
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
		Defective EEPROM.	Check the EEPROM and if the data are corrupted, contact the service support.
0170	Billing counting error A checksum error is detected in the main and engine backup memories for the billing counters.	Data in the EEPROM .	1. Check that the EEPROMs installed in the main PWB and the engine PWB are correct and, if not, use the correct EEPROM for the model. 2. If the EEPROM data are corrupted, contact the service support.
		Defective PWB.	Replace the main PWB or the engine PWB and check for correct operation (see page 1-5-37, 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
0180	Machine number mismatch Machine number of main and engine does not match.	Data in the EEPROM .	<ol style="list-style-type: none"> 1. Confirm the machine data for the main and engine units by using U004 (see page 1-3-27). 2. If the serial number data of different models is alternately displayed, install the correct EEPROM in the PWB of the wrong serial number data. 3. Contact the Service Support.
0350	Panel PWB communication error (electronic volume I2C communication error) NACK is received during I2C communication -> retried 5 times -> rebooting command sent -> retried 5 times If NACK is still received.	Operation PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Operation PWB (YC10) and Main PWB (YC12) 3. If the wiring is disconnected, shorted or grounded, replace the wiring.
		Main PWB	Replace the main PWB (see page 1-5-37).
0620	FAX image DIMM error DIMM is not installed correctly. DIMM cannot be accessed.	DIMM installed incorrectly.	<ol style="list-style-type: none"> 1. Install the FAX image DIMM supplied in the FAX system onto the main PWB. 2. Firmly install the FAX image DIMM again onto the main board. 3. Check the FAX image DIMM terminals and remove any foreign objects that may be adhered to it. 4. Replace with a new FAX image DIMM.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).

Code	Contents	Causes	Check procedures/ corrective measures
0630	DMA error DMA transmission of image data does not complete within the specified period of time.	Poor contact in the connector terminals.	<ol style="list-style-type: none"> 1. Reconnect the CIS signal line. 2. Confirm that the CIS connector terminals are firmly connected. Insert the connector all the way in. 3. If the wiring is disconnected, shorted or grounded, replace the wiring.
		Defective PWB.	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. If the wiring is disconnected, shorted or grounded, replace the wiring. Wiring that connects the CIS and the DP controller PWB. Wiring that connects the DP main PWB and the main PWB. 3. Replace the DP main PWB. 4. Replace the main PWB (see page 1-5-37).
0640	Hard disk error The hard disk cannot be accessed.	Defective connector cable or poor contact in the connector.	<ol style="list-style-type: none"> 1. If an abnormal noise is heard from the HDD, replace the HDD. 2. Check the SATA wiring between the HDD and the main circuit PWB for loose connection, disconnection and damages, and that it is connected into the correct terminal. Main PWB: YC1,YC27 YC2,YC32 (45/55 ppm model) 3. Replace the SATA cable.
		Defective hard disk.	<ol style="list-style-type: none"> 1. Execute U024 to initialize (FULL) the HDD (see page 1-3-33). 2. If an error is detected after executing U024, replace the HDD.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).

Code	Contents	Causes	Check procedures/ corrective measures
0650	FAX image DIMM check error Improper DIMM is installed.	DIMM installed incorrectly.	Check if the DIMM is inserted into the socket on the main PWB correctly.
		DIMM of another machine is installed.	<ol style="list-style-type: none"> 1. Confirm that a used FAX image DIMM was used instead of the FAX image DIMM contained in the FAX system. 2. If a DIMM that was used with other unit has been installed, execute maintenance mode U671 - Recovery FAX DIMM. 3. Replace with a new FAX image DIMM.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0660	Hard disk encryption key error	EEPROM	<ol style="list-style-type: none"> 1. Execute U004 if this occurs after the EEPROM has been changed.
		HDD	<ol style="list-style-type: none"> 1. If an abnormal noise is heard from the HDD, replace the HDD. 2. Check the SATA wiring between the HDD and the main circuit PWB for loose connection, disconnection and damages, and that it is connected into the correct terminal. Main PWB: YC1,YC27 3. Replace the SATA cable. 4. Execute U024 to initialize (FULL) the HDD (see page 1-3-33). 5. If an error is detected after executing U024, replace the HDD.
		Main PWB	Replace the main PWB (see page 1-5-37).
0670	Hard disk overwriting erasure error	HDD	<ol style="list-style-type: none"> 1. If an abnormal noise is heard from the HDD, replace the HDD. 2. Check the SATA wiring between the HDD and the main circuit PWB for loose connection, disconnection and damages, and that it is connected into the correct terminal. Main PWB: YC1,YC27 Replace the SATA cable. 3. Execute U024 to initialize (FULL) the HDD (see page 1-3-33). 4. If an error is detected after executing U024, replace the HDD.
		Main PWB	Replace the main PWB (see page 1-5-37).

Code	Contents	Causes	Check procedures/ corrective measures
0800	Image processing error The JAM100 fee counter is continuously generated.	Defective main PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0830	FAX control PWB flash program area checksum error A checksum error occurred with the program of the FAX control PWB.	Defective FAX software.	Install the fax software.
		Defective PWB.	1. Execute initializing by U600.(Refer to the FAX service manual) 2. Replace the FAX control PWB.
0840	Faults of RTC The time is judged to go back based on the comparison of the RTC time and the current time or five years or more have passed.	The battery is disconnected from the main PWB.	1. Make sure that the back-up batteries on the main PWB are not short-circuited. 2. Reset Maintenance T by executing U906 (see page 1-3-196). 3. If the same C call is displayed when power is switched on and off, replace the back up battery. 4. If communication error (due to a noise, etc.) is present with the RTC on the main circuit PWB, check the PWB is properly grounded.
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
0870	FAX control PWB to main PWB high capacity data transfer error High-capacity data transfer between the FAX control PWB and the main PWB of the machine was not normally performed even if the data transfer was retried the specified times.	Improper installation FAX control PWB.	Turn the main power switch off and after 5 seconds, re-mount the FAX controller PWB, then turn power on.
		HDD	Execute U024 to initialize the HDD (see page 1-3-33).
		Defective PWB.	Replace the FAX control PWB or main PWB and check for correct operation (see page 1-5-37).
0920	Fax file system error The backup data is not retained for file system abnormality of flash memory of the FAX control PWB.	Defective PWB.	1. Execute initializing by U600 (Refer to the FAX service manual). 2. Replace the FAX control PWB.

Code	Contents	Causes	Check procedures/ corrective measures
0980	24 V power down detect 24V disconnection signal is detected for 1.5 seconds.	Defective power source PWB.	1. Check the +24V output is given at YC12-1 to 3 of the power circuit PWB. 2. Replace the power source PWB (see page 1-5-44).
1010	Lift motor 1 error After cassette 1 is inserted, the lift sensor 1 does not turn on within 15 s. This error is detected five times successively.	Defective bottom plate elevation mechanism in the cassette.	Check to see if the bottom plate can move smoothly and repair any problem that is found.
		Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. Lift motor 1 and engine connect PWB (YC6) Engine connect PWB (YC2) and engine PWB (YC4)
		Defective drive transmission system of the lift motor.	Check if the gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if necessary.
		Defective lift motor.	Replace the lift motor 1.
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
1020	Lift motor 2 error After cassette 2 is inserted, PF lift sensor 2 does not turn on within 15s. This error is detected five times successively.	Defective bottom plate elevation mechanism in the cassette.	Check to see if the bottom plate can move smoothly and repair any problem that is found.
		Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. Lift motor 2 and Engine connect PWB (YC16) Engine connect PWB (YC2) and Engine PWB (YC4)
		Defective drive transmission system of the PF lift motor 1.	Check if the gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if necessary.
		Defective lift motor.	Replace the PF lift motor 2.
		Defective PWB.	Replace the engine connect PWB or the main PWB and check for correct operation (see page 1-5-54).
1030	PF lift motor 1 error (paper feeder) After cassette 3 is inserted, PF lift sensor 1 does not turn on within 15 s. This error is detected five times successively.	Defective bottom plate elevation mechanism in the cassette.	Check to see if the bottom plate can move smoothly and repair it if any problem is found.
		Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. PF lift motor 1 and PF main PWB
		Defective drive transmission system of the PF lift motor 1.	Check if the gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
		Defective PF lift motor 1.	Replace the PF lift motor 1.
		Defective PWB.	Replace the PF main PWB (Refer to the service manual of the paper feeder).

Code	Contents	Causes	Check procedures/ corrective measures
1040	PF lift motor 2 error (paper feeder) After cassette 4 is inserted, PF lift sensor 2 does not turn on within 15 s. This error is detected five times successively.	Defective bottom plate elevation mechanism in the cassette.	Check to see if the bottom plate can move smoothly and repair it if any problem is found.
		Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. PF lift motor 2 and PF main PWB
		Defective drive transmission system of the PF lift motor 2.	Check if the gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
		Defective PF lift motor 2.	Replace the PF lift motor 2.
		Defective PWB.	Replace the PF main PWB (Refer to the service manual of the paper feeder).
1100	PF lift motor 1 error (large capacity feeder) After cassette 3 is inserted, PF lift sensor 1 does not turn on within 23 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 1s or more 5 times successively. However, the first 1 s after PF lift motor 1 is turned on is excluded from detection.	Paper feeder lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor1	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 1 and PF main PWB 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF lift motor1.
		PF Lift sensor1	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor 1 and PF main PWB 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the PF lift sensor1.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Causes	Check procedures/ corrective measures
1110	PF lift motor 2 error (large capacity feeder) After cassette 4 is inserted, PF lift sensor 2 does not turn on within 23 s. This error is detected 5 times successively. (Time to detect is 2 seconds at the second time and later.) During driving the motor, the lift overcurrent protective monitor signal is detected for 1s or more 5 times successively. However, the first 1 s after PF lift motor 2 is turned on is excluded from detection.	Paper feeder lift base elevating mechanism	Check that the cassette base can be manipulated smoothly, if not, repair or replace.
		PF Lift motor 2	<ol style="list-style-type: none"> 1. Check that the cassette base has been ascended. 2. Check the drive gear can rotate or they are not unusually loaded and, if necessary, replace. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift motor 2 and PF main PWB 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the PF Lift motor2.
		PF Lift sensor2	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. PF Lift sensor 2 and PF main PWB 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the PF Lift sensor 2.
		PF main PWB	Replace the PF main PWB (Refer to the service manual for the paper feeder).
1800	Paper feeder communication error A communication error is detected 10 times in succession.	Improper installation of the paper feeder.	Follow the installation instruction carefully again.
		Defective connector cable or poor contact of the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. PF main PWB and engine connect PWB (YC15/YC2) and engine PWB (YC4) (Refer to the service manual for the paper feeder)
		Defective PWB.	Replace the engine PWB or the PF main PWB (see page 1-5-39, Refer to the service manual of the paper feeder).

Code	Contents	Causes	Check procedures/ corrective measures
1900	Paper feeder EEPROM error When writing the data, the write data and the read data is not continuously in agreement 4 times.	Defective PWB.	1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. 2. Replace the PF main PWB (Refer to the service manual for the paper feeder).
		Device damage of EEPROM.	Contact the Service Administrative Division.
2101	Developer motor K steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the developer motor K stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. Developer motor K and engine PWB (YC17)
		Defective drive transmission system.	1. To check the motor operation, execute DLP(K) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if necessary.
		Defective motor.	Replace the Developer motor K.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2102	Developer motor YCM steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the developer motor YCM stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer motor YCM and engine PWB (YC16)
		Defective drive transmission system.	1. To check the motor operation, execute DLP(YCM) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Developer motor YCM.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
2111	Developer motor K startup error Developer motor K is not stabilized within 3 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. Developer motor K and engine PWB (YC17)
		Defective drive transmission system.	1. To check the motor operation, execute DLP(K) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if necessary.
		Defective motor.	Replace the Developer motor K.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2112	Developer motor YCM startup error Developer motor YCM is not stabilized within 3 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If necessary, replace the cable. Developer motor YCM and engine PWB (YC16)
		Defective drive transmission system.	1. To check the motor operation, execute DLP(YCM) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if necessary.
		Defective motor.	Replace the Developer motor YCM.
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
2201	Drum motor K steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the drum motor K stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum motor K and engine PWB (YC16)
		Defective drive transmission system.	1. To check the motor operation, execute Drum(K) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Drum motor K.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2202	Drum motor YCM steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the drum motor YCM stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum motor YCM and engine PWB (YC16)
		Defective drive transmission system.	1. To check the motor operation, execute Drum (YCM) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Drum motor YCM.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
2211	Drum motor K startup error Drum motor K is not stabilized within 3 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum motor K and engine PWB (YC16)
		Defective drive transmission system.	<ol style="list-style-type: none"> 1. To check the motor operation, execute Drum (K) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Drum motor K.
		Defective PWB.	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2212	Drum motor YCM startup error Drum motor YCM is not stabilized within 3 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum motor YCM and engine PWB (YC3)
		Defective drive transmission system.	<ol style="list-style-type: none"> 1. To check the motor operation, execute Drum (YCM) by U030 (see page 1-3-34). 2. Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Drum motor YCM.
		Defective PWB.	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2300	Fuser motor steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the fuser motor stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser motor and engine PWB (YC17)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Fuser motor.
		Defective PWB.	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
2310	Fuser motor startup error Fuser motor is not stabilized within 3 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser motor and engine PWB (YC17)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the fuser motor.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2500	Conveying motor 2 steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the conveying motor 2 stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Conveying motor 2 and video PWB (YC28)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Conveying motor 2.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the video PWB and check for correct operation (see page 1-5-54).
2510	Conveying motor 2 startup error Conveying motor 2 is not stabilized within 2 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Conveying motor 2 and engine PWB (YC28)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the conveying motor 2.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
2550	Conveying motor 1 steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the conveying motor 1 stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Conveying motor 1 and engine PWB (YC25)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the Conveying motor 1.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2560	Conveying motor 1 startup error Conveying motor 1 is not stabilized within 2 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Conveying motor 1 and engine PWB (YC25)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the conveying motor 1.
		Defective PWB.	1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB and check for correct operation (see page 1-5-39).
2600	PF drive motor error (paper feeder) When the PF drive motor is driven, error signal is detected continuously for 1 s.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF drive motor and PF main PWB
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the PF drive motor.
		Defective PWB.	Replace the PF main PWB (Refer to the service manual for the paper feeder).

Code	Contents	Causes	Check procedures/ corrective measures
2610	PF paper feed motor error (bulk paper feeder) When the PF paper feed motor is driven, error signal is detected continuously for 1 s.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. PF paper feed motor and PF main PWB
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the PF paper feed motor.
		Defective PWB.	Replace the PF main PWB (Refer to the service manual for the paper feeder).
2700	TC belt release motor error When the TC belt release motor is driven, error signal is detected continuously for 3 s.	Defective drive transmission system.	<ol style="list-style-type: none"> 1. To check the motor operation, execute U30 CMY Release (see page 1-3-34). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Intermediate transfer belt unit and Engine connect PWB (YC14) Engine connect PWB and Engine PWB (YC4) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the Intermediate transfer belt unit (see page 1-5-16).
		Defective PWB.	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).

Code	Contents	Causes	Check procedures/ corrective measures
3100	ISU home position error ON/OFF of the HP sensor doesn't change after a prescribed pulse passes from power supply ON.	The scanner mirror frame is being locked after setup.	Check whether the scanner mirror frame has been unlocked and unlock if necessary (see page 1-2-11).
		Scanner motor	<ol style="list-style-type: none"> 1. To check the scanner motor, execute U073 (see page 1-3-54). 2. Move the scanner by the hand to check whether it is unusually difficult to move. 3. Check that the optical wire rope is not disengaged and engage the wire. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Scanner motor and ISC PWB (YC5) ISC PWB (YC3) and Main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the scanner motor.
		Home position sensor	<ol style="list-style-type: none"> 1. Check that the sensor is correctly positioned. 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Home position sensor and ISC PWB (YC8) 3. Replace the home position sensor.
		Defective PWB.	Replace the ISC PWB or the main PWB and check for correct operation (see page 1-5-37).
3210	CIS lamp error When input value at the time of CIS illumination does not exceed the threshold value between 5 s.	CIS	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. Execute CCD of U061 lamp check (see page 1-3-43). 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CIS and DPSHD PWB (YC2) DPSHD PWB (YC3) and DP relay PWB (YC2) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the CIS and execute U091 and U411 (see page 1-3-58,1-3-134).
		Defective PWB.	Replace the DP SHD PWB or the DP connect PWB and check for correct operation.

Code	Contents	Causes	Check procedures/ corrective measures
3220	LED error	Defective connector cable or poor contact in the connector.	<ol style="list-style-type: none"> 1. To check the lamp, execute U061 CCD (see page 1-3-43). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. LED lamp PWB and ISC PWB (YC6) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring.
		Defective LED PWB.	If the LED lamp won't light, replace the LED PWB and execut U411 (see page 1-3-134).
		Defective PWB.	Replace the ISC PWB and the main PWB and check for correct operation (see page 1-5-37).
3300	Optical system (AGC) error After AGC, correct input is not obtained at CCD.	Defective connector cable or poor contact in the connector.	<ol style="list-style-type: none"> 1. To check the lamp, execute U061 CCD (see page 1-3-43). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. LED lamp PWB and ISC PWB (YC6) CCD PWB (YC2) and ISC PWB (YC9) ISC PWB (YC3) and Main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring.
		Defective LED PWB or CCD PWB.	If the LED lamp won't light, replace the LED PWB and execut U411 (see page 1-3-134).
		Defective PWB.	<ol style="list-style-type: none"> 1. Replace the ISU and execute U411 (see page 1-3-134). 2. Replace the ISC PWB and execute U411 (see page 1-3-134). 3. Replace the main PWB (see page 1-5-37).

Code	Contents	Causes	Check procedures/ corrective measures
3310	CIS AGC error After AGC, correct input is not obtained at CIS.	CIS	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. To check the lamp, execute U061 CCD (see page 1-3-43). 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP CIS and DPSHD PWB (YC2) DPSHD PWB (YC3) and DP relay PWB (YC2) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the CIS and execute U091 and U411 (see page 1-3-134,1-3-134).
		DPSHD PWB	Replace the DPSHD PWB.
3500	Communication error A wrong read-back value.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. CCD PWB and ISC PWB (YC9) ISC PWB and main PWB (YC11)
		Defective CCD PWB.	Replace the image scanner unit (see page 1-5-21).
		Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
3600	Scanner sequence error	Defective main PWB or engine PWB.	Replace the main PWB or the engine PWB and check for correct operation (see page 1-5-37 or 1-5-39).
3700	Scanner device error	CCD connector inserted incorrectly.	Reinsert the image scanner unit connector if necessary.
3800	AFE error When writing the data, read and write data does not match 3 times in succession.	Defective ISC PWB.	Replace the ISC PWB and check for correct operation.
3900	Backup memory read/write error (ISC PWB) Read and write data does not match.	Defective backup memory or PWB.	Replace the ISC PWB and check for correct operation.

Code	Contents	Causes	Check procedures/ corrective measures
4001	Polygon motor (K) steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the polygon motor (K) stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (K) and LSU connect PWB(YC5) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (K) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4002	Polygon motor (C) steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the polygon motor (C) stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (C) and LSU connect PWB(YC6) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (C) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4003	Polygon motor (M) steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the polygon motor (M) stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (M) and LSU connect PWB(YC7) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (M) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4004	Polygon motor (Y) steady-state error The rated speed signal detected the stability OFF continuously for 1 s after the polygon motor (Y) stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (Y) and LSU connect PWB(YC8) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (Y) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
4011	Polygon motor (K) startup error Polygon motor (K) is not stabilized within 10 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (K) and LSU connect PWB(YC5) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (K) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4012	Polygon motor (C) startup error Polygon motor (C) is not stabilized within 10 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (C) and LSU connect PWB(YC7) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (C) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4013	Polygon motor (M) startup error Polygon motor (M) is not stabilized within 10 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (M) and LSU connect PWB(YC6) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (M) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4014	Polygon motor (Y) startup error Polygon motor (Y) is not stabilized within 10 s since the motor is activated.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Laser scanner unit (Y) and LSU connect PWB(YC8) LSU connect PWB and engine PWB (YC14)
		Defective motor.	Replace the Laser scanner unit (Y) (see page 1-5-20).
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
4101	BD initialization problem (K) BD is not detected within two seconds after the polygon motor stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BDPWB and APCPWB APCPWB and LSU connect PWB (YC1) LSU connect PWB and engine PWB (YC13)
		Defective APCPWB.	Replace the Laser scanner unit (K). (see page 1-5-20)
		Defective BDPWB.	
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4102	BD initialization problem (C) BD is not detected within two seconds after the polygon motor stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BDPWB and APCPWB APCPWB and LSU connect PWB (YC3) LSU connect PWB and engine PWB (YC13)
		Defective APCPWB.	Replace the Laser scanner unit (C). (see page 1-5-20)
		Defective BDPWB.	
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4103	BD initialization problem (M) BD is not detected within two seconds after the polygon motor stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BDPWB and APCPWB APCPWB and LSU connect PWB (YC2) LSU connect PWB and engine PWB (YC13)
		Defective APCPWB.	Replace the Laser scanner unit (M). (see page 1-5-20)
		Defective BDPWB.	
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
4104	BD initialization problem (Y) BD is not detected within two seconds after the polygon motor stabilizes.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. BDPWB and APCPWB APCPWB and LSU connect PWB (YC4) LSU connect PWB and engine PWB (YC13)
		Defective APCPWB.	Replace the Laser scanner unit (M). (see page 1-5-20)
		Defective BDPWB.	
		Defective PWB.	Replace the engine PWB or LSU connect PWB and check for correct operation (see page 1-5-39).
4201	BD steady-state error K The BD signal is not detected.	PD PWB K (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Laser scanner unit and LSU relay PWB (YC1) LSU relay PWB (YC10) and Engine PWB (YC13) 2. If the FCC wiring is disconnected, shorted or grounded, replace the FCC wiring. 3. Replace the laser scanner unit (see page 1-5-20).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
4202	BD steady-state error C The BD signal is not detected.	PD PWB C (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Laser scanner unit and LSU relay PWB (YC3) LSU relay PWB (YC10) and Engine PWB (YC13) 2. If the FCC wiring is disconnected, replace the FCC wiring. 3. Replace the laser scanner unit (see page 1-5-20).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).

Code	Contents	Causes	Check procedures/ corrective measures
4203	BD steady-state error M The BD signal is not detected.	PD PWB M (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Laser scanner unit and LSU relay PWB (YC2) LSU relay PWB (YC10) and Engine PWB (YC13) 2. If the FCC wiring is disconnected, replace the FCC wiring. 3. Replace the laser scanner unit (see page 1-5-20).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
4204	BD steady-state error Y The BD signal is not detected.	PD PWB Y (LSU)	<ol style="list-style-type: none"> 1. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Laser scanner unit and LSU relay PWB (YC4) LSU relay PWB (YC10) and Engine PWB (YC13) 2. If the FCC wiring is disconnected, replace the FCC wiring. 3. Replace the laser scanner unit (see page 1-5-20).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
4600	LSU cleaning motor error When the LSU cleaning motor is driven, an error signal is detected continuously for 2 s.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If none, replace the cable. LSU cleaning motor and LSU connect PWB(YC11) LSU connect PWB and engine PWB(YC14)
		Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushings and gears. Check for broken gears and replace if any.
		Defective motor.	Replace the LSU cleaning motor.
		Defective PWB.	Replace the engine PWB or LSU connect PWB check for correct operation (see page 1-5-39).

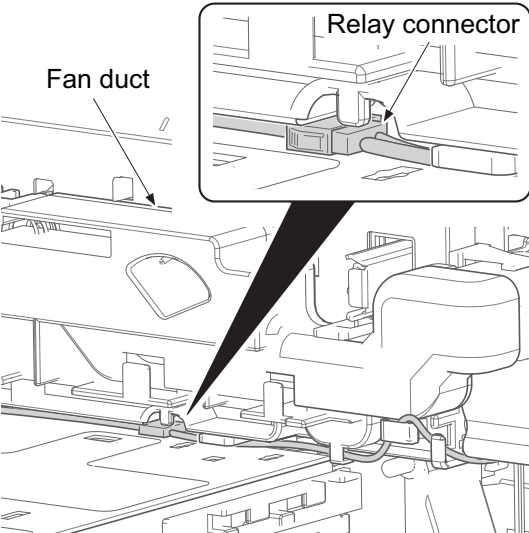
Code	Contents	Causes	Check procedures/ corrective measures
6000	Broken fuser heater wire Fuser thermistor 2 does not reach 80° C/176 °F even after 20 s during warming up. The detected temperature of fuser thermistor 2 does not reach the specified temperature (ready indication temperature) for 200 s in warming up after reached to 80° C/176 °F.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. IH coil unit and IHPWB IHPWB and engine PWB (YC30)
		Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Fuser thermostat triggered.	Reinsert the fuser unit (see page 1-5-17).
		Broken fuser heater wire.	
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).
6020	Abnormally high fuser thermistor 2 (center) temperature The fuser thermistor 2 detects a temperature higher than 240°C/464°F continuously for 1 s.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Shorted fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6030	Fuser thermistor 2 (center) break error A/D value of the fuser thermistor 2 exceeds 1010 bit continuously for 1 s during warming up.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser thermistor 2 and fuser PWB (YC2) Fuser unit and engine PWB (YC30)
		Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
6040	NC sensor error	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Shorted fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6050	Abnormally low fuser thermistor 2 (center) temperature The fuser temperature lower than 100 °C/212 °F is detected continuously for 1 s during printing.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective fuser heater.	
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6120	Abnormally high fuser thermistor 3 (press roller) temperature The fuser temperature exceeds 200 °C/392 °F for 1 s.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).
6130	Fuser thermistor 3 (press roller) break error Fuser thermistor 3 detects a temperature of -14 °C/6.8 °F . Fuser thermistor 3 does not reach 30° C/86 °F even after 60 s during warming up.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser thermistor 3 and fuser PWB (YC4) Fuser unit and engine PWB (YC30)
		Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
6150	Abnormally low fuser thermistor 3 (press roller) temperature The fuser temperature lower than 30 °C/86 °F is detected continuously for 1 s.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective fuser heater.	
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6200	Broken fuser edge heater wire Fuser thermistor 1 does not reach 50° C/122 °F even after 20 s during warming up. The detected temperature of fuser thermistor 1 does not reach the specified temperature (ready indication temperature) for 60 s in warming up after reaching 50° C/122 °F.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. IH coil unit and IHPWB IHPWB and engine PWB (YC30)
		Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Fuser thermostat triggered.	Reinsert the fuser unit (see page 1-5-17).
		Broken fuser heater wire.	
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).
6220	Abnormally high fuser thermistor 1 (edge) temperature The fuser temperature exceeds 240 °C/464 °F for 1 s.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective cooling fan motor.	Replace the fuser fan motor.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
6230	Fuser thermistor 1 (edge) break error During warming up a heater, fuser thermistor 2 detects a temperature of 100 °C/212 °F or higher and, fuser thermistor 1 detects a temperature of 37 °C/99 °F or lower.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser thermistor 1 and fuser PWB (YC3) Fuser unit and engine PWB (YC30)
		Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6250	Abnormally low fuser thermistor 1 (edge) temperature The fuser temperature lower than 80 °C/176 °F is detected continuously for 1 s during printing.	Deformed connector pin.	If the I/F connector pins of the fuser unit and the main unit are deformed owing to foreign matters, such as paper dusts, replace the connectors or the units including the connectors.
		Defective fuser thermistor.	Replace the fuser unit (see page 1-5-17).
		Defective fuser heater.	
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).
6410	Fuser unit type mismatch problem Absence of the fuser unit is detected.	Fuser unit connector inserted incorrectly.	Reinsert the fuser unit connector if necessary.
		Different type of the fuser unit is installed.	Install the correct fuser unit (see page 1-5-17).
6600	Belt rotation error The belt was detected to stop for 2 s continuously during motor remote is on.	Defective fuser motor.	Replace the fuser motor.
		Defective IH belt.	Replace the fuser unit (see page 1-5-17).
		Defective IH PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6710	CPU thermal runaway (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).

Code	Contents	Causes	Check procedures/ corrective measures
6720	Belt rotation error (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
		Defective fuser motor.	Replace the fuser motor.
		Defective fuser unit.	Replace the fuser unit (see page 1-5-17).
6730	Abnormally high IGBT1 temperature (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
		Defective cooling fan motor.	Replace the IH fan motor.
6740	Abnormally high IGBT2 temperature (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
		Defective cooling fan motor.	Replace the IH fan motor.
6750	Abnormally output overcurrent (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
		Defective fuser unit.	Replace the fuser unit (see page 1-5-17).
6760	Abnormally AC input overcurrent (IHPWB)	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
6770	Abnormally low electric power (IHPWB)	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable.
		Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).

Code	Contents	Causes	Check procedures/ corrective measures
6930	IH related cooling fan motor error The alarm signal was detected for 5 seconds continuously during operation.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Container / IH coil fan motor and relay connector * and engine PWB(YC18)  *:Insertion of the above-mentioned relay connector is checked. IH fan motor and engine PWB(YC19)
		Defective cooling fan motor.	Replace the container / IH coil fan motor or the IH fan motor.
		Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
6950	IH CPU communication error A communication error is detected 3 times in succession.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable.
		Defective PWB.	Replace the IH PWB or the engine PWB and check for correct operation (see page 1-5-57, 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
6990	Fuser unit type mismatch problem Absence of the fuser unit is detected.	Defective PWB.	Replace the IH PWB and check for correct operation (see page 1-5-57).
7101	Toner sensor K error The sensor outputs are for 5 seconds, 23 or less, or 248 or more.	Defective Developer unit.	Replace the developer unit K (see page 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7102	Toner sensor C error The sensor outputs are for 5 seconds, 23 or less, or 248 or more.	Defective Developer unit.	Replace the developer unit C (see page 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7103	Toner sensor M error The sensor outputs are for 5 seconds, 23 or less, or 248 or more.	Defective Developer unit.	Replace the developer unit M (see page 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7104	Toner sensor Y error The sensor outputs are for 5 seconds, 23 or less, or 248 or more.	Defective Developer unit.	Replace the developer unit Y (see page 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7401	Developer unit K type mismatch error Absence of the developer unit K is detected.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer unit K and drum connect PWB (YC9) Drum connect PWB and engine PWB (YC4)
		Different type of the developer unit is installed.	Install the correct developer unit (see page 1-5-13).

Code	Contents	Causes	Check procedures/ corrective measures
7402	Developer unit C type mismatch error Absence of the developer unit C is detected.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer unit C and drum connect PWB (YC7) Drum connect PWB and engine PWB (YC4)
		Different type of the developer unit is installed.	Install the correct developer unit (see page 1-5-13).
7403	Developer unit M type mismatch error Absence of the developer unit M is detected.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer unit M and drum connect PWB (YC8) Drum connect PWB and engine PWB (YC4)
		Different type of the developer unit is installed.	Install the correct developer unit (see page 1-5-13).
7404	Developer unit Y type mismatch error Absence of the developer unit Y is detected.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer unit Y and drum connect PWB (YC6) Drum connect PWB and engine PWB (YC4)
		Different type of the developer unit is installed.	Install the correct developer unit (see page 1-5-13).
7411	Drum unit K type mismatch problem Absence of the drum unit K is detected.	Drum unit connector inserted incorrectly.	Reinsert the drum unit K connector if necessary.
		Different type of the drum unit is installed.	Install the correct drum unit (see page 1-5-15).
7412	Drum unit C type mismatch problem Absence of the drum unit C is detected.	Drum unit connector inserted incorrectly.	Reinsert the drum unit C connector if necessary.
		Different type of the drum unit is installed.	Install the correct drum unit (see page 1-5-15).
7413	Drum unit M type mismatch problem Absence of the drum unit M is detected.	Drum unit connector inserted incorrectly.	Reinsert the drum unit M connector if necessary.
		Different type of the drum unit is installed.	Install the correct drum unit (see page 1-5-15).

Code	Contents	Causes	Check procedures/ corrective measures
7414	Drum unit Y type mismatch problem Absence of the drum unit Y is detected.	Drum unit connector inserted incorrectly.	Reinsert the drum unit Y connector if necessary.
		Different type of the drum unit is installed.	Install the correct drum unit (see page 1-5-15).
7420	Transfer belt unit type mismatch problem Absence of the transfer belt unit is detected.	Transfer belt unit connector inserted incorrectly.	Reinsert the transfer belt unit connector if necessary.
		Different type of the transfer belt unit is installed.	Install the correct transfer belt unit (see page 1-5-16).
7601	ID sensor 1 (front) error	Defective ID sensor.	Replace the ID sensor 1.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7602	ID sensor 2 (rear) error	Defective ID sensor.	Replace the ID sensor 2.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7611	ID sensor (K) density error When the concentration in a bias calibration is unusual.	Defective ID sensor.	Replace the ID sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7612	ID sensor (C) density error When the concentration in a bias calibration is unusual.	Defective ID sensor.	Replace the ID sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7613	ID sensor (M) density error When the concentration in a bias calibration is unusual.	Defective ID sensor.	Replace the ID sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7614	ID sensor (Y) density error When the concentration in a bias calibration is unusual.	Defective ID sensor.	Replace the ID sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7620	ID sensor timing error Color registration correction was failed.	Defective ID sensor.	Replace the ID sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
7800	Broken external thermistor wire The external thermistor delivers 0.3V or more.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Temperature sensor and engine PWB (YC29)
		Defective temperature sensor.	Replace the temperature sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7810	Short-circuited external thermistor wire external thermistor delivers 3V or more.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Temperature sensor and engine PWB (YC8)
		Defective temperature sensor.	Replace the temperature sensor.
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7901	Drum unit K EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs eight times successively. Mismatch between writing data and reading data occurs eight times successively.	Poor contact in the connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum unit (K) and drum connect PWB(YC5) drum connect PWB and engine connect PWB (YC8) Engine connect PWB and engine PWB (YC4)
		Defective drum PWB.	Replace the drum unit K (see 1-5-15).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7902	Drum unit C EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs eight times successively. Mismatch between writing data and reading data occurs eight times successively.	Poor contact in the connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum unit (C) and drum connect PWB(YC3) drum connect PWB and engine connect PWB (YC8) Engine connect PWB and engine PWB (YC4)
		Defective drum PWB.	Replace the drum unit C (see 1-5-15).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
7903	Drum unit M EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs eight times successively. Mismatch between writing data and reading data occurs eight times successively.	Poor contact in the connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum unit (M) and drum connect PWB(YC4) drum connect PWB and engine connect PWB (YC8) Engine connect PWB and engine PWB (YC4)
		Defective drum PWB.	Replace the drum unit M (see 1-5-15).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7904	Drum unit Y EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs eight times successively. Mismatch between writing data and reading data occurs eight times successively.	Poor contact in the connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Drum unit (Y) and drum connect PWB(YC2) drum connect PWB and engine connect PWB (YC8) Engine connect PWB and engine PWB (YC4)
		Defective drum PWB.	Replace the drum unit Y (see 1-5-15).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7911	Developer unit K EEPROM error No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively. Mismatch of reading data from two locations occurs eight times successively. Mismatch between writing data and reading data occurs eight times successively.	Poor contact in the connector terminals.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer unit (K) and drum connect PWB(YC9) drum connect PWB and engine connect PWB (YC8) Engine connect PWB and engine PWB (YC4)
		Defective developer PWB.	Replace the developer unit K (see 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
7912	<p>Developer unit C EEPROM error</p> <p>No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively.</p> <p>Mismatch of reading data from two locations occurs eight times successively.</p> <p>Mismatch between writing data and reading data occurs eight times successively.</p>	Poor contact in the connector terminals.	<p>Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable.</p> <p>Developer unit (C) and drum connect PWB(YC7)</p> <p>drum connect PWB and engine connect PWB (YC8)</p> <p>Engine connect PWB and engine PWB (YC4)</p>
		Defective developer PWB.	Replace the developer unit C (see 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7913	<p>Developer unit M EEPROM error</p> <p>No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively.</p> <p>Mismatch of reading data from two locations occurs eight times successively.</p> <p>Mismatch between writing data and reading data occurs eight times successively.</p>	Poor contact in the connector terminals.	<p>Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable.</p> <p>Developer unit (M) and drum connect PWB(YC8)</p> <p>drum connect PWB and engine connect PWB (YC8)</p> <p>Engine connect PWB and engine PWB (YC4)</p>
		Defective developer PWB.	Replace the developer unit M (see 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).
7914	<p>Developer unit Y EEPROM error</p> <p>No response is issued from the device in reading/writing for 5 ms or more and this problem is repeated five times successively.</p> <p>Mismatch of reading data from two locations occurs eight times successively.</p> <p>Mismatch between writing data and reading data occurs eight times successively.</p>	Poor contact in the connector terminals.	<p>Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable.</p> <p>Developer unit (Y) and drum connect PWB(YC6)</p> <p>drum connect PWB and engine connect PWB (YC8)</p> <p>Engine connect PWB and engine PWB (YC4)</p>
		Defective developer PWB.	Replace the developer unit Y (see 1-5-13).
		Defective PWB.	Replace the engine PWB check for correct operation (see page 1-5-39).

Code	Contents	Causes	Check procedures/ corrective measures
8010	Punch motor 1 error When the punch motor is driven, punch home position sensor does not turn on within 200 ms.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch to check the finisher operation (see page 1-3-103). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch home position sensor	<ol style="list-style-type: none"> 1. Execute U241 Punch - Punch HP to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch home position sensor and Punch PWB (YC8) 4. Replace the Punch home position sensor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8020	Punch motor 2 error Home position is not obtained in 3 s after home position is initialized or in standby.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch to check the finisher operation (see page 1-3-103). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8030	Punch motor 3 error Home position does not turn from On to Off in 50 ms after home position has been initialized.	Punch motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Punch to check the finisher operation (see page 1-3-103). 2. Manipulate the punch up and down to check it can smoothly move up and down. 3. Check that the drive from the motor reaches the punch cam. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch motor and Punch PWB (YC4) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch motor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8090	DF paddle motor error When the DF paddle motor is driven, DF paddle sensor does not turn on within 1 s.	DF paddle motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Beat to check the finisher operation (see page 1-3-103). 2. Check that the paddle can rotate. 3. Check that the drive from the motor reaches the paddle. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF paddle motor and DF main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF paddle motor.
		DF paddle sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Bundle Eject HP to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting board are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF paddle sensor and DF main PWB (YC20) 4. Replace the DF paddle sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8100	DF eject release motor error When the DF eject release motor is driven, DF bundle discharge sensor does not turn on within 1 s.	DF eject release motor DF bundle discharge unit sensor	<ol style="list-style-type: none"> 1. Execute Motor - Eject Unlock (Full) of U240 finisher operation check (see page 1-3-103). 2. Check that the eject guide of the process tray is opened and, if not, correct the guide. 3. Check that the drive from the motor reaches the eject guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF bundle discharge unit sensor and DF main PWB (YC20) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF eject release motor.
		DF bundle discharge unit sensor	<ol style="list-style-type: none"> 1. Execute Finisher - Bundle Eject HP of U241 finisher switch check (see page 1-3-105). 2. Check that the sensor and its mounting board are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF bundle discharge unit sensor and DF main PWB (YC20) 4. Replace the DF bundle discharge unit sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8140	DF tray motor error 1 When the main tray has ascended, DF tray sensor 1 or DF tray upper surface sensor does not turn on within 20 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-103). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF Main PWB(YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 1 DF tray upper surface sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray U-Limit, Tray Top to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 1 and DF Main DF tray sensor 1 and DF main PWB (YC20) DF tray upper surface sensor and DF main PWB (YC18) 4. Replace the DF tray sensor 1 or DF tray upper surface sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8150	DF tray motor error 2 When the main tray has descended, DF tray sensor 1 or DF tray upper surface sensor does not turn off within 5 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-103). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF main PWB (YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 1 DF tray upper surface sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray U-Limit, Tray Top to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 1 and DF main PWB (YC20) DF tray upper surface sensor and DF main PWB (YC18) 4. Replace the DF tray sensor 1 or DF tray upper surface sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8160	DF tray motor error 3 When the main tray has descended, DF tray sensor 3 does not turn on within 20 s.	DF tray motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Tray to check the finisher operation (see page 1-3-103). 2. Manipulate the main tray up and down to check it is smoothly operable. 3. Check that the drive from the motor reaches the main tray. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray motor and DF main PWB (YC14) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF tray motor.
		DF tray sensor 4	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Tray Middle to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF tray sensor 4 and DF main PWB (YC20) 4. Replace the DF tray sensor 4.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8170	DF side registration motor 1 error 1 When initial operation, DF side registration sensor 1 does not turn on within 3 s.	DF side registration motor 1	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-103). 2. Manipulate the front side registration guide to check it is smoothly operable. 3. Check that the drive from the motor reaches the front side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 1 and DF main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 1.
		DF side registration sensor 1	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Front to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 1. and DF main PWB (YC20) 4. Replace the DF side registration sensor 1.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8180	DF side registration motor 1 error 2 JAM6810 (jam in front of width alignment) is detected twice.	DF side registration motor 1	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-103). 2. Manipulate the front side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the front side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 1 and DF main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 1.
		DF side registration sensor 1.	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Front to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 1. and DF main PWB (YC20) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF side registration sensor 1.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8190	DF side registration motor 2 error 1 When initial operation, DF side registration sensor 2 does not turn on within 3 s.	DF side registration motor 2	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-103). 2. Manipulate the rear side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the rear side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 2 and DF main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 2.
		DF side registration sensor 2	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width tail HP to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 2 and DF main PWB (YC20) 4. Replace the DF side registration sensor 2.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8200	DF side registration motor 2 error 2 JAM6910 (jam in rear of width alignment) is detected twice.	DF side registration motor 2	<ol style="list-style-type: none"> 1. Execute U240 Motor - Width Test to check the finisher operation (see page 1-3-103). 2. Manipulate the rear side registration guide back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the rear side registration guide. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration motor 2 and DF main PWB (YC11) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF side registration motor 2.
		DF side registration sensor 2	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width tail HP to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF side registration sensor 2 and DF main PWB (YC20) 4. Replace the DF side registration sensor 2.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8210	DF slide motor error When initial operation, DF staple sensor does not turn on within 3 s.	DF slide motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Staple Move to check the finisher operation (see page 1-3-103). 2. Manipulate the staple unit back and forth to check it is smoothly operable. 3. Check that the drive from the motor reaches the staple unit. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF slide motor and DF main PWB (YC10) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DF slide motor.
		DF staple sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Width Staple HP to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF staple sensor and DF main PWB (YC20) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF staple sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8230	DF staple motor error 1 Staple JAM (DF) has been detected twice in a row. (The second JAM detection condition fulfilled with the home position did not detected in 600 ms after the motor was driven.)	DF staple motor	1. Remove the staple unit and check that stapling is possible without a jam. 2. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Staple unit and DF main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the staple unit. (Refer to the service manual for the document finisher).
		DF staple sensor	Replace the staple unit.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).
8240	DF staple motor error 2 Staple JAM (DF) has been detected twice in a row. (The second JAM detection condition fulfilled with a lock detection signal maintained 1 V for 500 ms continuously, while the stapler motor was driven.)	DF staple motor	1. Remove the staple unit and check that stapling is possible without a jam. 2. Confirm that the FCC wiring connector is not distorted and connect the FCC wiring all the way in. Staple unit and DF main PWB (YC11) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the staple unit. (Refer to the service manual for the document finisher).
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8260	DF middle motor error When the DF middle motor is driven, DF middle sensor does not turn on within 1s.	DF middle motor	<ol style="list-style-type: none"> 1. Execute U240 Motor - Middle(L) to check the finisher operation (see page 1-3-103). 2. Check that the drive from the motor reaches the middle roller. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF middle motor and DF main PWB (YC10) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF middle motor.
		DF middle sensor	<ol style="list-style-type: none"> 1. Execute U241 Finisher - Middle Tray Eject to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF middle sensor and DF main PWB (YC20) 4. If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DF middle sensor.
		DF main PWB	Replace the DF main PWB (Refer to the service manual for the document finisher).

Code	Contents	Causes	Check procedures/ corrective measures
8410	Punch slide motor error 1 The punch slide sensor won't turn On when home position has been moved by 30 mm.	Punch slide motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Punch Move to check the finisher operation (see page 1-3-103). 2. Manipulate the punch slide part of the punch unit back and forth to check it can smoothly move. 3. Check that the drive from the motor reaches punch area. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide motor and Punch PWB (YC3) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch slide motor.
		Punch slide sensor	<ol style="list-style-type: none"> 1. Execute U241 Punch - Punch HP to check the finisher switch (see page 1-3-103). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide sensor and Punch PWB (YC6) 4. Replace the punch slide sensor.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. Replace the punch PWB.
		DF main PWB	Replace the DF main PWB

Code	Contents	Causes	Check procedures/ corrective measures
8420	Punch slide motor error 2 In detection of paper edges, the paper edge cannot be detected in 30 mm move.	Punch slide motor	<ol style="list-style-type: none"> 1. Execute U240 Booklet - Punch Move to check the finisher operation (see page 1-3-103). 2. Manipulate the punch slide part of the punch unit back and forth to check it can smoothly move. 3. Check that the drive from the motor reaches punch part. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch slide motor and Punch PWB (YC3) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the punch slide motor.
		Punch paper edge sensor 1,2	<ol style="list-style-type: none"> 1. Execute U241 Punch - Edge Face 1,2,3,4 to check the finisher switch (see page 1-3-105). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch paper edge sensor 1,2 and Punch PWB (YC5,YC7) 4. Replace the punch paper edge sensor 1,2.
		Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. Replace the Punch PWB.
		DF main PWB	Replace the DF main PWB

Code	Contents	Causes	Check procedures/ corrective measures
8430	Punch unit communication error Communication with the punch unit is not possible.	Punch PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Punch PWB (YC1) and DF main PWB (YC8) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Punch PWB.
		DF main PWB	Replace the DF main PWB
8800	Document finisher main program error Document finisher main program error at power up.	DF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF main PWB (YC7) and Engine PWB (YC18) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DF main PWB
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
8900	Document finisher backup error Read and write data does not match 3 times in succession.	DF main PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DF main PWB (YC7) and Engine PWB (YC33) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the DF main PWB
8990	Backup memory data problem (document finisher) When one of the existence of a finisher or a bridge is not detected.	Defective connector cable or poor contact in the connector.	Check the connection of connector on the finisher main PWB and the connector of the machine, and the continuity across the connector terminals. Repair or replace if necessary.
		Defective power cord	Confirm that the power cable is firmly connected and, if necessary, connect the plug all the way in. Also check for continuity within the power cable. If none, replace the power cable.
		EEPROM installed incorrectly.	Install EEPROM correctly.
		Defective finisher main PWB.	Replace the finisher main PWB and check for correct operation.

Code	Contents	Causes	Check procedures/ corrective measures
9000	Document processor communication error A communication error is detected 10 times in succession.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. DP main PWB and ISC PWB (YC12)
		Defective PWB.	Replace the DP main PWB or the ISC PWB and check for correct operation.
9010	Coin vender communication error A communication error from coin vender is detected 10 times in succession.	U206 setting	Set maintenance mode U206 to off when a coin vender is not installed (see page 1-3-94).
		Coin vender control PWB	<ol style="list-style-type: none"> 1. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. Coin vender control PWB and Engine PWB (YC12) 2. If the wiring is disconnected, shorted or grounded, replace the wiring. 3. Replace the Coin vender control PWB.
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
9040	DP lift motor going up error When the DP lift motor is driven, DP lift sensor 1 does not turn on within 1500 pulse. (Three recovery times.) The above has been detected 5 times. * : The number of detection should be weighted with one for the rise at job start and two for the irregular rise during transporting. The accumulated number must be cleared at completion of a normal rise. The default threshold is 5.	DP lift motor	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. Execute U243 Lift Motor to check the DP motor operation (see page 1-3-107). 3. Check that the original document lift guide can move upwards. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift motor and DP MAIN PWB (YC5) 5. If the wiring is disconnected, shorted or grounded, replace the wiring. 6. Replace the DP lift motor.
		DP lift sensor 1	<ol style="list-style-type: none"> 1. Execute U244 LIFT L-Limit to check DP switch (see page 1-3-108). 2. Check that the sensor and its mounting bracket are correctly positioned. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift sensor 1 and DP Main PWB (YC4) 4. Replace the DP lift sensor 1.
		DP Main PWB	Replace the DP main PWB

Code	Contents	Causes	Check procedures/ corrective measures
9050 DP lift motor going down error When the DP lift motor is driven, DP lift sensor 2 does not turn on within 1500 pulse. (Three recovery times.) The above has been detected 5 times.		DP lift motor	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. Execute U243 Lift Motor to check the DP motor operation (see page 1-3-107). 3. Check that the original document lift guide can move downwards. 4. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift motor and DP main PWB (YC5) If the wiring is disconnected, shorted or grounded, replace the wiring. 5. Replace the DP lift motor.
		DP lift sensor 2	<ol style="list-style-type: none"> 1. Execute U244 LIFT L-Limit to check DP switch (see page 1-3-108). 2. Confirm that the DP lift sensor 2 has been firmly fitted. 3. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP lift sensor 2 and DP main PWB (YC2) 4. Replace the DP lift sensor2.
		DP main PWB	Replace the DP main PWB
9060 DP EEPROM error Mismatch of reading data from two locations occurs 3 times successively. Mismatch between writing data and reading data occurs 3 times successively.		DP main PWB	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. Confirm that the EEPROM has been properly installed. 3. Replace the DP main PWB
		Device damage of EEPROM	Contact the Service Support.
9070 Communication error between DP and SHD A communication error is detected.		DP SHD PWB	<ol style="list-style-type: none"> 1. Execute U906 Separating Operation Release (see page 1-3-196). 2. Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. DP SHD PWB (YC1) and DP main PWB (YC10) 3. If the wiring is disconnected, shorted or grounded, replace the wiring. 4. Replace the DP SHD PWB.

Code	Contents	Causes	Check procedures/ corrective measures
9080	LED fault detection A block is existent below a peak which was obtained by activating the LEDs in the four CIS blocks at power on, which is less than 80hex.	DP CIS	<ol style="list-style-type: none"> Execute CIS automatic original document alignment by U411 (see page 1-3-134). Confirm that the wiring connector is firmly connected and, if necessary, connect the connector all the way in. CIS and DP SHD PWB (YC2) DP SHD PWB (YC1) and DP main PWB (YC10) If the wiring is disconnected, shorted or grounded, replace the wiring. Replace the CIS and execute U411.
		DP SHD PWB	Replace the DP SHD PWB.
9100	Coin vender control PWB error Communication error has been detected at the coin mec of the coin vender control PWB.	Defective coin vender control PWB.	Replace the coin mec.
9110	Coin vender error Communication error has been detected in connection with the coin mec and the rejector.	Rejector installed incorrectly.	Check the rejector is properly installed and, if not, perform the corrective action.
		Defective rejector.	Replace the rejector.
9120	Sensor error in coin vender change (Yen 10) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Poor contact in the connector.	Check if the change empty sensor is intact.
		Defective change empty sensor.	Replace the coin mec.
		Defective coin vender control PWB.	
9130	Sensor error in coin vender change (Yen 50) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Poor contact in the connector.	Check if the change empty sensor is intact.
		Defective change empty sensor.	Replace the coin mec.
		Defective coin vender control PWB.	

Code	Contents	Causes	Check procedures/ corrective measures
9140	Sensor error in coin vender change (Yen 100) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Poor contact in the connector.	Check if the change empty sensor is intact.
		Defective change empty sensor.	Replace the coin mec.
		Defective coin vender control PWB.	
9150	Sensor error in coin vender change (Yen 500) Change is empty despite change is enough.	Coin jam in the change tube	Check visually and remedy.
		Poor contact in the connector.	Check if the change empty sensor is intact.
		Defective change empty sensor.	Replace the coin mec.
		Defective coin vender control PWB.	
9160	Coin vender pay-out error Coin is paid out despite the pay-out motor is determined not active.	Defective pay-out motor.	Replace the coin mec.
9170	Coin vender pay-out sensor error Coin is paid out despite the pay-out motor is determined not active.	Change jam at the pay-out.	Check visually and remedy.
		Defective pay-out motor.	Replace the coin mec.
		Defective pay-out sensor.	
9500	ISC PWB error A	Main PWB ISC PWB	<ol style="list-style-type: none"> 1. Reinsert the connector if its connection is loose. Main PWB (YC25) and ISC PWB (YC4) 2. Replace the main PWB (see page 1-5-37). 3. Replace the ISC PWB 4. Contact the Service Support.
9510	ISC PWB error B	Main PWB DP SHD PWB	<ol style="list-style-type: none"> 1. Reinsert the connector if its connection is loose. DP relay PWB (YC2) and DP SHD PWB (YC3) 2. Replace the main PWB (see page 1-5-37). 3. Replace the DP SHD PWB. 4. Contact the Service Support.

Code	Contents	Causes	Check procedures/ corrective measures
9520	ISC PWB error C	Main PWB ISC PWB	<ol style="list-style-type: none"> 1. Reinsert the connector if its connection is loose. Main PWB (YC25) and ISC PWB (YC4) 2. Replace the main PWB (see page 1-5-37). 3. Replace the ISC main PWB 4. Contact the Service Support.
9530 9540	Machine recovery error The machine may not be recovered or may have trouble in its function with changes of the internal data when replacing some the parts at the same time.	PWBs	<ol style="list-style-type: none"> 1. Reattach the parts below in case of replacing 2 or more of them at the same time. Affected parts : Memory, HDD, PWBs * : Do not replace 2 or more of the parts at the same time * : And also, do not execute the following works when replacing the above parts. Do not replace the drum unit or the developing unit. Do not replace the drum unit with the one color for other one in the same machine.
F000	Communication error between main PWB and operation PWB	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power swtch off and after 5 seconds, then turn power on. 2. Check that the wirings and connetors between the main circuit PWB and the operation circuit PWB and between the main circuit PWB and the HDD are normal. Main PWB (YC12,YC17,YC30) and Operation PWB (YC1,YC2,YC3) 3. Check that the DDR memories in the main circuit PWB are well conducted and, if not, replace. 4. Execute U024 to initialize (FULL) the HDD (see page 1-3-33). 5. Execute U021 to initialize memory. (see page 1-3-32) 6. Replace the Main PWB. 7. Copy the log File saved in the HDD by U964 in USB memory and contact the service support (see page 1-3-208).
		Operation PWB	Replace the operation PWB (see page 1-5-54).

Code	Contents	Causes	Check procedures/ corrective measures
F010	Main PWB checksum error	Defective main PWB.	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. If not corrected, replace the main PWB (see page 1-5-37).
F011			
F012			
F013			
F020	System memory error Controller detection error	Defective main PWB.	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. If not corrected, replace the main PWB (see page 1-5-37).
F021			
F022			
F023			
F040	Communication error between Main PWB and Print engine	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Repair or replace the wire from the engine PWB, that may be grounded. (Check short-circuit between 5V and 3.3V.) 3. Check that the FCC wire connecting between the main PWB (YC3) and the engine PWB (YC46) is normal and, if necessary, re-insert. Or, replace the FCC wire. 4. If not corrected, replace the main PWB (see page 1-5-37).
		Engine PWB	<ol style="list-style-type: none"> 1. Check the engine software and upgrade to the latest, if necessary. 2. Replace the engine PWB (see page 1-5-42).
		HDD	Replace the HDD.
F041	Communication error between Main PWB and Scanner engine	Main PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Check that the wires between the main PWB and the ISC PWB are normal. 3. If not corrected, replace the main PWB (see page 1-5-37).
		ISC PWB	Replace the ISC PWB.
F050	Print engine ROM checksum error	Engine software	Install the latest engine software.
		Engine PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Confirm that the EEPROM has been properly installed. 3. If not corrected, Replace the engine PWB (see page 1-5-42).

Code	Contents	Causes	Check procedures/ corrective measures
F051	Scanner engine ROM checksum error	Scanner software	Install the latest scanner software.
		ISC PWB	<ol style="list-style-type: none"> 1. Turn the main power switch off and after 5 seconds, then turn power on. 2. Confirm that the EEPROM has been properly installed. 3. If not corrected, Replace the ISC PWB.

NOTE:

The other F codes are indicated to the appendix (see page 2-4-14).

1-4-3 Image quality problems

If the part causing the problem is not designated as a service part, replace with the assembly comprising the part.

- (1) No image appears (entirely white).



See page 1-4-76

- (2) No image appears (entirely black).



See page 1-4-76

- (3) Image is too light.



See page 1-4-77

- (4) The background is colored.



See page 1-4-77

- (5) White streaks are printed vertically.



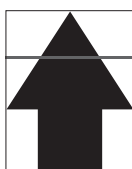
See page 1-4-77

- (6) Black streaks are printed vertically.



See page 1-4-78

- (7) Streaks are printed horizontally.



See page 1-4-78

- (8) One side of the print image is darker than the other.



See page 1-4-78

- (9) Spots are printed.



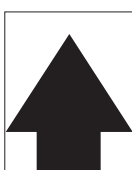
See page 1-4-79

- (10) Image is blurred.



See page 1-4-79

- (11) The leading edge of the image is consistently misaligned with the original.



See page 1-4-79

- (12) The leading edge of the image is sporadically misaligned with the original.



See page 1-4-79

- (13) Paper is wrinkled.



See page 1-4-80

- (14) Offset occurs.



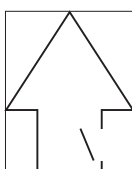
See page 1-4-80

- (15) Part of image is missing.



See page 1-4-80

- (16) Fusing is loose.



See page 1-4-80

- (17) Image is out of focus.



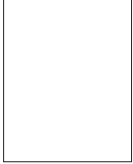
See page 1-4-81

- (18) Image center does not align with the original center.




See page 1-4-81

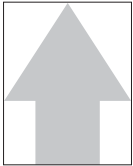
(1) No image appears (entirely white).

Print example	Causes		Check procedures/corrective measures
	Defective transfer bias output.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. High voltage PWB and engine PWB (YC6) High voltage PWB sub and engine PWB (YC7)
		Defective high voltage PWB.	Replace the high voltage PWB. (see page 1-5-45)
		Defective high voltage PWB sub.	Replace the high voltage PWB sub.
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).
	Defective developer bias output.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity of the connector cable. If necessary, replace the cable. High voltage PWB and engine PWB (YC6)
		Defective high voltage PWB.	Replace the high voltage PWB. (see page 1-5-45)
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).
	No LSU laser is output.	Defective laser scanner unit.	Replace the laser scanner unit (see page 1-5-20).
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).

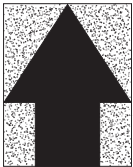
(2) No image appears (entirely black).

Print example	Causes		Check procedures/corrective measures
	No main charging.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. High voltage PWB and engine PWB (YC6)
		Defective charger roller unit.	Replace the charger roller unit (see page 1-5-15).
		Defective high voltage PWB.	Replace the high voltage PWB. (see page 1-5-45)
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).


(3) Image is too light.

Print example	Causes		Check procedures/corrective measures
	Defective transfer charger output.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. High voltage PWB and engine PWB (YC6) High voltage PWB sub and engine PWB (YC7)
		Defective high voltage PWB.	Replace the high voltage PWB. (see page 1-5-45)
		Defective high voltage PWB sub.	Replace the high voltage PWB sub.
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).
	Insufficient toner.		If the display shows the message requesting toner replenishment, replace the container.
	Deteriorated toner.		Perform the drum refresh operation.

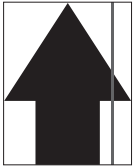
(4) The background is colored.

Print example	Causes		Check procedures/corrective measures
	Defective main charger output.	Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. High voltage PWB and engine PWB (YC6)
		Defective high voltage PWB.	Replace the high voltage PWB. (see page 1-5-45)
		Defective engine PWB.	Replace the engine PWB (see page 1-5-39).
	Deteriorated toner.		Perform the drum refresh operation.

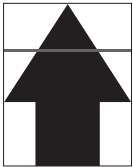
(5) White streaks are printed vertically.

Print example	Causes	Check procedures/corrective measures
	Foreign matter in the developer unit.	Check if the magnetic brush is formed uniformly. Replace the developer unit if any foreign matter (see page 1-5-13).
	Dirty shading plate.	Clean the shading plate.
	Adhesion of soiling to transfer belt.	Clean the transfer belt. Replace the intermediate transfer unit if it is extremely dirty (see page 1-5-16).
	Adhesion of soiling to transfer roller.	Clean the transfer roller. Replace the transfer roller unit if it is extremely dirty (see page 1-5-16).
	Dirty LSU dust shield glass.	Perform the LSU dust shield glass cleaning.


(6) Black streaks are printed vertically.

Print example	Causes	Check procedures/corrective measures
	Dirty contact glass.	Clean the contact glass.
	Dirty slit glass.	Clean the slit glass.
	Dirty or flawed drum.	Perform the drum refresh operation. Flawed drum. Replace the drum unit (see page 1-5-15).
	Deformed or worn cleaning blade in the drum unit.	Replace the drum unit (see page 1-5-15).
	Defective transfer belt.	Replace the intermediate transfer unit (see page 1-5-16).
	Defective transfer roller.	Replace the transfer roller unit(see page 1-5-16).
	Dirty scanner mirror.	Clean the scanner mirror.


(7) Streaks are printed horizontally.

Print example	Causes	Check procedures/corrective measures
	Dirty or flawed drum.	Perform the drum refresh operation. Flawed drum. Replace the drum unit (see page 1-5-15).
	Dirty developer section.	Clean any part contaminated with toner in the developer section.
	Poor contact of grounding terminal of drum unit.	Check the installation of the drum unit. If it operates incorrectly, replace it (see page 1-5-15).

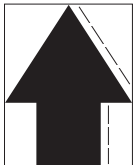
(8) One side of the print image is darker than the other.

Print example	Causes	Check procedures/corrective measures
	Defective exposure lamp.	Replace the LED PWB (see page 1-5-28).

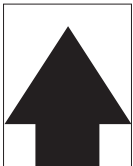
(9) Spots are printed.

Print example	Causes	Check procedures/corrective measures
	Dirty contact glass.	Clean the contact glass.
	Dirty or flawed drum.	Perform the drum refresh operation. Flawed drum. Replace the drum unit (see page 1-5-15).
	Deformed or worn cleaning blade in the drum unit.	Replace the drum unit (see page 1-5-15).
	Flawed developer roller.	Replace the developer unit (see page 1-5-13).
	Dirty heat roller and press roller.	Clean the heat roller and press roller.

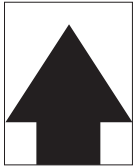
(10) Image is blurred.

Print example	Causes	Check procedures/corrective measures
	Scanner moves erratically.	Check if there is any foreign matter on the front and rear scanner rails. If any, remove it.
	Deformed press roller.	Replace the fuser unit (see page 1-5-17).
	Paper conveying section drive problem.	Check the gears and belts and, if necessary, grease them.

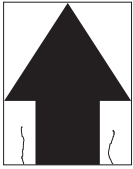
(11) The leading edge of the image is consistently misaligned with the original.

Print example	Causes	Check procedures/corrective measures
	Misadjusted leading edge registration.	Run maintenance mode U034 to readjust the leading edge registration (see page 1-3-37).
	Misadjusted scanner leading edge registration.	Run maintenance mode U066 to readjust the scanner leading edge registration (see page 1-3-46).

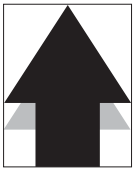
(12) The leading edge of the image is sporadically misaligned with the original.

Print example	Causes	Check procedures/corrective measures
	Paper feed clutch, registration clutch or duplex clutch operating incorrectly.	Check the installation of the clutch. If it operates incorrectly, replace it.


(13) Paper is wrinkled.

Print example	Causes	Check procedures/corrective measures
	Paper curled.	Check the paper storage conditions.
	Paper damp.	Check the paper storage conditions.
	Defective pressure springs.	Replace the fuser unit (see page 1-5-17).


(14) Image is off-set.

Print example	Causes	Check procedures/corrective measures
	Deformed or worn cleaning blade in the drum unit.	Replace the drum unit (see page 1-5-15).
	Defective fuser unit.	Replace the fuser unit (see page 1-5-17).
	Wrong types of paper.	Check if the paper meets specifications. Replace paper.


(15) Part of image is missing.

Print example	Causes	Check procedures/corrective measures
	Paper damp.	Check the paper storage conditions.
	Paper creased.	Replace the paper.
	Drum condensation.	Perform the drum refresh operation.
	Dirty or flawed drum.	Perform the drum refresh operation. Flawed drum. Replace the drum unit (see page 1-5-15).
	Dirty transfer belt.	Clean the transfer belt. Replace the intermediate transfer unit if it is extremely dirty (see page 1-5-16).
	Dirty transfer roller.	Clean the transfer roller. Replace the transfer roller unit if it is extremely dirty (see page 1-5-16).


(16) Fusing is loose.

Print example	Causes	Check procedures/corrective measures
	Wrong types of paper.	Check if the paper meets specifications, replace paper.
	Flawed heat roller or press roller.	Replace the fuser unit (see page 1-5-17).
	Defective pressure springs.	
	Defective fuser heater.	

(17) Image is out of focus.

Print example	Causes	Check procedures/corrective measures
	Defective image scanning unit.	Replace the image scanning unit (see page 1-5-21).
	Drum condensation.	Perform the drum refresh operation.

(18) Image center does not align with the original center.

Print example	Causes	Check procedures/corrective measures
	Misadjusted image center line.	Run maintenance item U034 to readjust the center line of image printing (see page 1-3-37).
	Misadjusted scanner center line.	Run maintenance item U067 to readjust the scanner leading edge registration (see page 1-3-47).
	Original is not placed correctly.	Place the original correctly.

1-4-4 Electric problems

If the part causing the problem is not designated as a service part, replace with the assembly comprising the part.

Troubleshooting to each failure must be made in the order of the numbered Problems.

Problem	Causes	Check procedures/corrective measures
(1) The machine does not operate when the main power switch is turned on.	1. No electricity at the power outlet.	Measure the input voltage.
	2. The power cord is not plugged in properly.	Check the contact between the power plug and the outlet.
	3. Broken power cord.	Check for continuity. If none, replace the cord.
	4. Defective main power switch.	Check for continuity across the contacts. If none, replace the power switch.
	5. Defective interlock switch.	Check for continuity across the contacts of interlock switch. If none, replace the power source PWB (see page 1-5-44).
	6. Defective power source PWB.	Replace the power source PWB (see page 1-5-44).
(2) ISU motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. ISU motor and ISC PWB (YC5) ISC PWB and main PWB (YC11)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the ISU motor.
	4. Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
(3) Eject motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Eject motor and engine PWB (YC21)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the eject motor.
	4. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Problem	Causes	Check procedures/corrective measures
(4) ID Shutter motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. ID Shutter motor and engine connect PWB (YC3) engine connect PWB and engine PWB (YC5)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the ID Shuttermotor.
	4. Defective PWB.	Replace the engine PWB or engine connect PWB and check for correct operation (see page 1-5-39).
(5) Fuser pressure release motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser pressure release motor and engine PWB (YC30)
	2. Defective drive transmission system.	Check if the rollers and gears rotate smoothly. If not, grease the bushes and gears. Check for broken gears and replace if any.
	3. Defective motor.	Replace the Fuser pressure release motor.
	4. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(6) Controller fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Controller fan motor and main PWB (YC23)
	2. Defective motor.	Replace the controller fan motor.
	3. Defective PWB.	Replace the main PWB and check for correct operation (see page 1-5-37).
(7) Power source fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Power source fan motor and engine connect PWB (YC9) engine connect PWB and engine PWB (YC4)
	2. Defective motor.	Replace the power source fan motor.
	3. Defective PWB.	Replace the engine PWB or engine connect PWB and check for correct operation (see page 1-5-39).
(8) Developer fan motor 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer fan motor 1 and engine PWB (YC19)
	2. Defective motor.	Replace the developer fan motor 1.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Problem	Causes	Check procedures/corrective measures
(9) Developer fan motor 2/3 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer fan motor 2/3 and engine connect PWB (YC13) engine connect PWB and engine PWB (YC4)
	2. Defective motor.	Replace the developer fan motor 2/3.
	3. Defective PWB.	Replace the engine PWB or the engine connect PWB and check for correct operation (see page 1-5-39).
(10) LSU fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. LSU fan motor and engine connect PWB (YC13) Engine connect PWB and engine PWB (YC4)
	2. Defective motor.	Replace the LSU fan motor.
	3. Defective PWB.	Replace the engine PWB engine connect PWB and check for correct operation (see page 1-5-39).
(11) IH fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. IH fan motor and engine PWB (YC18)
	2. Defective motor.	Replace the IH fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(12) Fuser fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Fuser fan motor and engine PWB (YC23)
	2. Defective motor.	Replace the Fuser fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(13) Container / IH coil fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Container / IH coil fan motor and engine PWB (YC18)
	2. Defective motor.	Replace the container / IH coil fan motor.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(14) Imaging fan motor does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Imaging fan motor and engine connect PWB (YC9) Engine connect PWB and engine PWB(YC4)
	2. Defective motor.	Replace the Imaging fan motor.
	3. Defective PWB.	Replace the engine PWB or engine connect PWB and check for correct operation (see page 1-5-39).

Problem	Causes	Check procedures/corrective measures
(15) Paper feed clutch 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper feed clutch 1 and engine PWB (YC25)
	2. Defective clutch.	Replace the paper feed clutch 1.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(16) Paper feed clutch 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper feed clutch 2 and engine PWB (YC28) video PWB and main PWB
	2. Defective clutch.	Replace the paper feed clutch 2.
	3. Defective PWB.	Replace the engine PWB or the main PWB and check for correct operation (see page 1-5-54, 1-5-37).
(17) Mid clutch 1 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Mid clutch 1 and engine PWB (YC25)
	2. Defective clutch.	Replace the mid clutch 1.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(18) Mid clutch 2 does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Mid clutch 2 and engine PWB (YC28)
	2. Defective clutch.	Replace the mid clutch 2.
	3. Defective PWB.	Replace the engine PWB or the main PWB and check for correct operation (see page 1-5-54, 1-5-37).
(19) Registration clutch does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Registration clutch and engine PWB (YC25)
	2. Defective clutch.	Replace the registration clutch.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(20) Duplex clutch does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Duplex clutch and engine PWB (YC25)
	2. Defective clutch.	Replace the duplex clutch.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).

Problem	Causes	Check procedures/corrective measures
(21) Developer stop clutch does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Developer stop clutch and engine PWB (YC16)
	2. Defective clutch.	Replace the developer stop clutch.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(22) MP solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP solenoid and engine PWB (YC25)
	2. Defective solenoid.	Replace the MP solenoid.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(23) Feedshift solenoid does not operate.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Feedshift solenoid and engine PWB (YC21)
	2. Defective solenoid.	Replace the Feedshift solenoid.
	3. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(24) The message requesting paper to be loaded is shown when paper is present on the cassette 1.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper sensor 1/2 and engine connect PWB (YC7) Engine connect PWB to engine PWB (YC4)
	2. Deformed actuator of the paper sensor.	Check visually and replace if necessary.
	3. Defective paper sensor.	Replace the paper sensor 1/2.
	4. Defective PWB.	Replace the engine PWB or engine connect PWB and check for correct operation (see page 1-5-39).
(25) The message requesting paper to be loaded is shown when paper is present on the cassette 2.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper sensor 3/4 and engine PWB (YC27) Video PWB to main PWB (YC9)
	2. Deformed actuator of the paper sensor.	Check visually and replace if necessary.
	3. Defective paper sensor.	Replace the paper sensor 3/4.
	4. Defective PWB.	Replace the engine PWB or main PWB and check for correct operation (see page 1-5-54, 1-5-37).

Problem	Causes	Check procedures/corrective measures
(26) The message requesting paper to be loaded is shown when paper is present on the MP tray.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. MP paper sensor and engine PWB (YC22)
	2. Deformed actuator of the MP paper sensor.	Check visually and replace if necessary.
	3. Defective MP paper sensor.	Replace the MP paper sensor.
	4. Defective PWB.	Replace the engine PWB and check for correct operation (see page 1-5-39).
(27) The size of paper on the cassette 1 is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper size width switch 1 and engine connect PWB (YC7) Paper size length switch 1 and engine connect PWB (YC7) Engine connect PWB and engine PWB (YC4)
	2. Defective cassette size switch.	Replace the paper size width switch 1 or paper size length switch 1.
	3. Defective PWB.	Replace the engine PWB or the engine connect PWB and check for correct operation (see page 1-5-39).
(28) The size of paper on the cassette 2 is not displayed correctly.	1. Defective connector cable or poor contact in the connector.	Reinsert the connector. Also check for continuity within the connector cable. If none, replace the cable. Paper size width switch 2 and engine PWB (YC27) Paper size length switch 2 and engine PWB (YC27) engine PWB and main PWB
	2. Defective cassette size switch.	Replace the paper size width switch 1 or paper size length switch 1.
	3. Defective PWB.	Replace the engine PWB or the main PWB and check for correct operation (see page 1-5-54, 1-5-37).
(29) A paper jam in the paper feed, paper conveying or eject section is indicated when the main power switch is turned on.	1. A piece of paper torn from paper is caught around registration sensor, duplex sensor, feed sensor 1/2 or eject sensor.	Check visually and remove it, if any.
	2. Defective sensor.	Replace the registration sensor, duplex sensor, feed sensor 1/2 or eject sensor.
(30) A message indicating cover open is displayed when the front cover or right cover 1/2 is closed.	1. Deformed actuator of the interlock switch.	Check visually and replace if necessary.
	2. Defective interlock switch.	Replace the interlock switch.

1-4-5 Mechanical problems

If the part causing the problem was not supplied, use the unit including the part for replacement.

Problem	Causes/check procedures	Corrective measures
(1) No primary paper feed.	Check if the surfaces of the following rollers are dirty with paper dusts. Pickup roller Paper feed roller MP paper feed roller	Clean with isopropyl alcohol.
	Check if any of the following rollers is deformed. Pickup roller Paper feed roller MP paper feed roller	Check visually and replace any deformed (see page 1-5-8, 1-5-9).
	Defective paper feed clutch installation.	Check visually and remedy if necessary.
(2) No secondary paper feed.	Check if the surfaces of the following rollers are dirty with paper powder. Right registration roller Left registration roller	Clean with isopropyl alcohol.
	Defective registration clutch installation.	Check visually and remedy if necessary.
(3) Skewed paper feed.	Paper width guide in the cassette are installed incorrectly.	Check the paper width guide visually and remedy or replace if necessary.
(4) Multiple sheets of paper are fed.	Check if the paper is excessively curled.	Change the paper.
	Paper is loaded incorrectly.	Load the paper correctly.
	Check if the retard roller is worn.	Replace the retard roller if it is worn (see page 1-5-8).
(5) Paper jams.	Check if the paper is excessively curled.	Change the paper.
	Check if the contact between the right and left registration rollers is correct.	Check visually and remedy if necessary.
	Check if the heat roller or press roller is extremely dirty or deformed.	Check visually and replace the fuser unit (see page 1-5-17).
(6) Toner drops on the paper conveying path.	Check if the drum unit or developer unit is extremely dirty.	Clean the drum unit or developer unit.
(7) Abnormal noise is heard.	Check if the rollers, pulleys and gears operate smoothly.	Grease the bushes and gears.
	Check if the following clutches are installed correctly. Paper feed clutch Mid clutch Registration clutch Duplex clutch	Check visually and remedy if necessary.

1-4-6 Send error code

This section describes the scanning errors and descriptions, preventive actions, as well as corrective actions. Error codes not described here could fall within software errors.

If such an error is encountered, turn power off then on, and advise the service representative.

(1) Scan to SMB error codes

Code	Contents	Check procedures/corrective measures
1101	Host destined does not exist on the network.	<ol style="list-style-type: none"> 1. Confirm the destined host. 2. Confirm the device's network parameters. 3. Confirm the parameters of the network to which the device is connected are correct.
1102	Login to the host has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Confirm the parameters of the network to which the device is connected are correct. 3. Check the host if the folder is properly shared.
1103	Destined host, folder, and/or file names are invalid.	<ol style="list-style-type: none"> 1. Check illegal characters are not contained within these names. 2. Check the name of the folder and files conform with the naming syntax. 3. Confirm destined host and folder.
1105	SMB protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's SMB protocols.
2101	Login to the host has failed.	<ol style="list-style-type: none"> 1. Confirm the destined host. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the SMB port number. 4. Confirm the device's network parameters. 5. Confirm the parameters of the network to which the device is connected are correct.
2201	Writing scanned data has failed.	<ol style="list-style-type: none"> 1. Check the file name to save the scanned data. 2. Confirm the device's network parameters. 3. Confirm the parameters of the network to which the device is connected are correct.
2203	No response from the host during a certain period of time.	<ol style="list-style-type: none"> 1. Confirm the network parameters the device is connected. 2. Confirm that the LAN cable is properly connected to the device.

(2) Scan to FTP error codes

Code	Contents	Check procedures/corrective measures
1101	FTP server does not exist on the network.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Confirm device's network parameters. 3. Confirm the parameters of the network to which the device is connected are correct.
1102	Login to the FTP server has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Check the FTP server name.
1103	Destined folder is invalid.	<ol style="list-style-type: none"> 1. Check that the illegal characters are not contained within these names. 2. Check the FTP server name.
1105	FTP protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's FTP protocols.
1131	Initializing TLS has failed.	<ol style="list-style-type: none"> 1. Confirm device's security parameters.
1132	TLS negotiation has failed.	<ol style="list-style-type: none"> 1. Confirm device's security parameters. 2. Check the FTP server name.
2101	Access to the FTP server has failed.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the FTP port number. 4. Confirm device's network parameters. 5. Confirm the network parameters the device is connected. 6. Check the FTP server name.
2102	Access to the FTP server has failed. (Connection timeout)	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Check the FTP port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the FTP server name.
2103	The server cannot establish communication.	<ol style="list-style-type: none"> 1. Check the FTP server name. 2. Check the FTP port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the FTP server name.
2201	Connection with the FTP server has failed.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected. 3. Confirm destined folder. 4. Check the FTP server name.
2202	Connection with the FTP server has failed. (Timeout)	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
2203	No response from the server during a certain period of time.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.

Code	Contents	Check procedures/corrective measures
2231	Connection with the FTP server has failed. (FTPS communication)	<ol style="list-style-type: none">1. Confirm device's network parameters.2. Confirm the network parameters the device is connected.
3101	FTP server responded with an error.	<ol style="list-style-type: none">1. Confirm device's network parameters.2. Confirm the network parameters the device is connected.3. Check the FTP server.

(3) Scan to E-mail error codes

Code	Contents	Check procedures/corrective measures
1101	SMTP/POP3 server does not exist on the network.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Confirm device's network parameters. 3. Confirm the parameters of the network to which the device is connected are correct.
1102	Login to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Confirm user name and password. 2. Check the SMTP/POP3 server.
1104	The domain the destined address belongs is prohibited by scanning restriction.	<ol style="list-style-type: none"> 1. Confirm device's SMTP parameters.
1105	SMTP protocol is not enabled.	<ol style="list-style-type: none"> 1. Confirm device's SMTP protocols.
1106	Sender's address is not specified.	<ol style="list-style-type: none"> 1. Confirm device's SMTP protocols.
2101	Connection to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Confirm that the LAN cable is properly connected to the device. 3. Check the SMTP/POP3 port number. 4. Confirm device's network parameters. 5. Confirm the network parameters the device is connected. 6. Check the SMTP/POP3 server.
2102	Connection to the SMTP/POP3 server has failed. (Connection timeout)	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Check the SMTP/POP3 port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the SMTP/POP3 server.
2103	The server cannot establish communication.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server name. 2. Check the SMTP/POP3 port number. 3. Confirm device's network parameters. 4. Confirm the network parameters the device is connected. 5. Check the SMTP/POP3 server.
2201	Connection to the SMTP/POP3 server has failed.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
2202	Connection to the SMTP/POP3 server has failed. (Timeout)	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected.
2204	The size of scanning exceeded its limit.	<ol style="list-style-type: none"> 1. Confirm device's network parameters.
3101	SMTP/POP3 server responded with an error.	<ol style="list-style-type: none"> 1. Confirm device's network parameters. 2. Confirm the network parameters the device is connected. 3. Check the SMTP/POP3 server.
3102	Error: Server Response.	<ol style="list-style-type: none"> 1. Check the SMTP/POP3 server. 2. Wait a minute and trye again.

Code	Contents	Check procedures/corrective measures
3201	No SMTP authentication is found.	<ol style="list-style-type: none">1. Check the SMTP server.2. The device supports SMTP authentication services including CRAM-MD5, DIGEST-MD5, PLAIN and LOGIN.
4803	Failed to establish the SSL session.	<ol style="list-style-type: none">1. Verify the self certificate of the device.2. Check the server certificate of the SMTP/POP3 server.3. Check the SMTP/POP3 configuration of the device and the SMTP/POP3 server.

1-4-7 Error codes

(1) Error code

Error codes are listed on the communication reports, activity report, etc. The codes consist of an error code indication U followed by a 5-digit number. (Error codes for V34 communication errors start with an E indication, followed by five digits.)

The upper three of the five digits indicate general classification of the error and its cause, while the lower two indicate the detailed classification. Items for which detailed classification is not necessary have 00 as the last two digits.

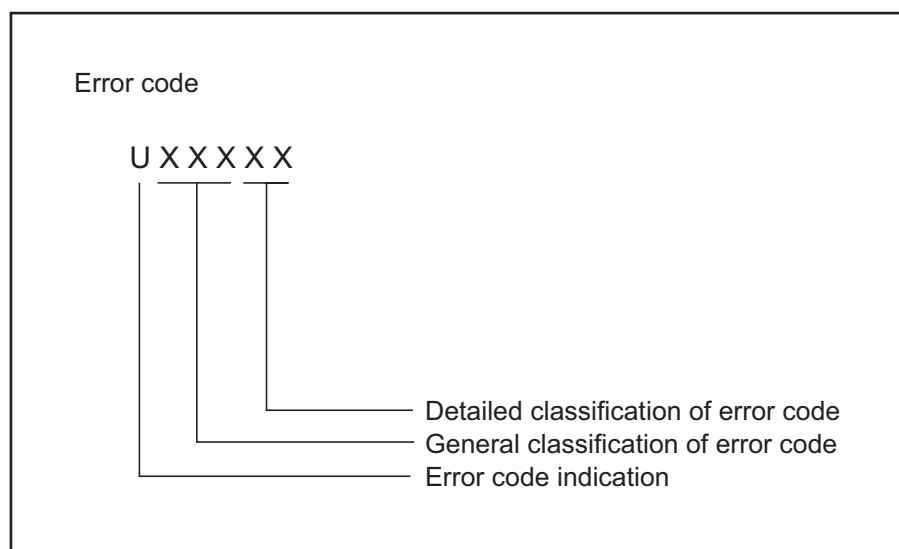


Figure 1-4-4

(2) Table of general classification

Error code	Description
U00000	No response or busy after the set number of redials.
U00100	Transmission was interrupted by a press of the stop/clear key.
U00200	Reception was interrupted by a press of the stop/clear key.
U00300	Recording paper on the destination unit has run out during transmission.
U004XX	A connection was made but interrupted during handshake with the receiver unit (See page 1-4-98).
U00500	Multiple communication was interrupted and call was not made on destination units after interruption.
U006XX	Communication was interrupted because of a machine problem (See page 1-4-99).
U00700	Communication was interrupted because of a problem in the destination unit.
U008XX	A page transmission error occurred in G3 mode (See page 1-4-99).
U009XX	A page reception error occurred in G3 mode (See page 1-4-99).
U010XX	Transmission in G3 mode was interrupted by a signal error (See page 1-4-100).
U011XX	Reception in G3 mode was interrupted by a signal error (See page 1-4-102).
U01400	An invalid one-touch key was specified during communication.
U01500	A communication error occurred when calling in V.8 mode.
U01600	A communication error occurred when called in V.8 mode.
U017XX	A communication error occurred before starting T.30 protocol during transmission in V.34 mode (See page 1-4-103).
U018XX	A communication error occurred before starting T.30 protocol during reception in V.34 mode (See page 1-4-104).
U02000	Relay broadcast was refused by a relay station because of a mismatch in permit ID number and permit telephone number when a relay command was issued.
U02100	A relay command failed because the destination unit (relay station) had no relay broadcast capability.
U02200	A relay command from a command station failed because a telephone number that was not registered in the relay station was specified. Or, relay broadcast was requested to a relay station but failed because a telephone number that was not registered in the relay station was specified. Or, Subaddress-based relay broadcast transmission failed because the data registered in the Subaddress relay box was deleted.
U023XX	Receiving station information was not normally received in reception of a relay command (See page 1-4-104).
U02400	An interoffice subaddress-based relay transmission was interrupted because of a mismatch in the specified relay box number.
U03000	No document was present in the destination unit when polling reception started.
U03100	In reverse polling, although no original was set in the destination unit, transmission was complete.
U03200	In confidential polling reception, data was not accumulated in the specified box in the destination unit. Or, in interoffice subaddress-based bulletin board reception, data was not stored in the box specified by the destination unit.

Error code	Description
U03300	In polling reception from a unit of our make, operation was interrupted due to a mismatch in permit ID or telephone number. Or, in interoffice subaddress-based bulletin board reception, operation was interrupted due to a mismatch in permit ID or telephone number.
U03400	Polling reception was interrupted because of a mismatch in individual numbers (destination unit is either of our make or by another manufacturer).
U03500	In confidential polling reception, the specified confidential box No. was not registered in the destination. Or, in interoffice subaddress-based bulletin board reception, the specified Subaddress confidential box number was not registered in the destination unit. Or, the destination was being accessed.
U03600	Confidential polling reception was interrupted because of a mismatch in specified confidential box No. Or, an interoffice subaddress-based bulletin board reception was interrupted because of a mismatch in the specified subaddress confidential box number.
U03700	Confidential polling reception failed because the destination unit had no confidential polling transmission capability or data was not accumulated in any box in the destination unit. Or, interoffice subaddress-based bulletin board reception failed because the destination unit had no subaddress-based bulletin board transmission capability, or data was not stored in any subaddress confidential box in the destination unit.
U04000	The confidential box specified for confidential transmission was not registered in the destination unit. Or, in interoffice subaddress-based transmission mode, the specified subaddress box number was not registered in the destination unit. Or, the destination was being accessed.
U04100	Confidential transmission failed because the destination unit had no confidential capability. Or, subaddress-based transmission failed because the destination unit had no subaddress-based reception capability.
U04200	In encrypted transmission, the specified encryption box was not registered in the destination unit.
U04300	Encrypted transmission failed because the destination unit had no encrypted communication capability.
U044XX	Communication was interrupted because of an encryption key error during encrypted transmission (See page 1-4-104).
U04500	Encrypted reception was interrupted because of a mismatch in encryption keys.
U05000	In transmission with a specified number, the set number of originals was different from the number of transmitted originals.
U05100	Password check transmission or restricted transmission was interrupted because the permit ID's did not agree with.
U05200	Password check reception or restricted reception was interrupted because the permit ID's did not match, the rejected FAX number's did match, or the destination receiver did not return its phone number.
U05300	The password check reception or the restricted reception was interrupted because the permitted numbers did not match, the rejected numbers did match, or the machine in question did not acknowledge its phone number.
U09000	G3 communication was attempted but failed because the destination unit was a G2 machine.

Error code	Description
U12000	Relay broadcast was requested from a command station but memory overflowed during reception. Or, in subaddress-based relay reception, memory overflowed.
U12100	Relay was commanded but memory overflowed in the destination unit (relay station).
U14000	Memory overflowed during confidential reception. Or, in subaddress-based confidential reception, memory overflowed.
U14100	Memory overflowed in the destination unit during confidential transmission. Or, in interface subaddress-based transmission, memory overflowed in the destination unit.
U19000	Memory overflowed during memory reception.
U19100	Memory overflowed in the destination unit during transmission.
U19200	Memory transmission failed because a decoding error occurred.
U19300	Transmission failed because an error occurred during JBIG encoding.
U19400	Reception failed because an error occurred during JBIG decoding.

(2-1) U004XX error code table: Interrupted phase B

Error code	Description
U00420	A relay request was received from the host center but interrupted because of a mismatch in permit ID or telephone number.
U00421	Subaddress-based relay reception was interrupted because of a mismatch in the specified subaddress relay box number.
U00430	Polling request (confidential or reverse) was received but interrupted because of a mismatch in permit number. Or, subaddress-based bulletin board transmission request was received but interrupted because of a mismatch in permit ID in the transmitting unit.
U00431	Confidential polling transmission was interrupted because the specified confidential box No. was not registered. Or, an subaddress-based bulletin board transmission was interrupted because the specified subaddress confidential box was not registered.
U00432	Confidential polling transmission was interrupted because of a mismatch in confidential box ID number. Or, an subaddress-based bulletin board transmission was interrupted because of a mismatch in Subaddress confidential box numbers.
U00433	Confidential polling request was received but data was not present in the confidential box. Or, subaddress-based bulletin board transmission request was received but data was not present in the subaddress confidential box.
U00434	Confidential polling request was received but interrupted because the specified confidential box No. was intended for encryption.
U00435	Confidential polling request was received but interrupted because the specified confidential box was being accessed. Or, subaddress-based bulletin board transmission request was received but interrupted because the specified subaddress confidential box was being accessed.
U00440	Confidential reception was interrupted because the specified confidential box No. was not registered. Or, subaddress-based confidential reception or subaddress-based relay reception was interrupted because the specified subaddress box was not registered. Or, subaddress based confidential reception or subaddress relay command reception was interrupted because the specified subaddress box No. was being accessed.
U00441	Confidential reception was interrupted because the specified confidential box No. was intended for encryption.
U00450	The destination transmitter disconnected because the permit ID's did not agree with while the destination transmitter is in password-check transmission or restricted transmission.
U00460	Encrypted reception was interrupted because the specified encryption box number was not registered. Or, encrypted reception request was received but interrupted because the specified encryption box was being accessed.
U00462	Encrypted reception was interrupted because the encryption key for the specified encryption box was not registered.

(2-2) U006XX error code table: Problems with the unit

Error code	Description
U00600	The document processor cover is open.
U00601	Document jam or the document length exceeds the maximum.
U00602	Image scanning section problem.
U00603	No document feed.
U00604	Document length exceeded the limit of the bitmap memory capacity.
U00610	Recording section cover is open.
U00611	Recording paper JAM
U00613	Image writing section problem
U00614	Nearly empty of recording paper
U00615	Empty of recording paper
U00620	Copier fixing unit problem
U00622	Copier drive motor problem
U00655	CTS was not activated after RTS due to a modem error.
U00656	Data was not transmitted after CTS was activated due to a modem error.
U00670	Power was cut off during communication.
U00677	There was no file to transmit in the memory transmission mode.
U00690	System error.

(2-3) U008XX error code table: Page transmission error

Error code	Description
U00800	A page transmission error occurred because of reception of a RTN or PIN signal.
U00810	A page transmission error reoccurred after retry of transmission in the ECM mode.

(2-4) U009XX error code table: Page reception error

Error code	Description
U00900	An RTN or PIN signal was transmitted because of a page reception error.
U00910	A page reception error remained after retry of transmission in the ECM mode.

(2-5) U010XX error code table: G3 transmission

Error code	Description
U01000	An FTT signal was received for a set number of times after TCF signal transmission at 2400 bps. Or, an RTN signal was received in response to a Q signal (excluding EOP) after transmission at 2400 bps.
U01001	Function of the unit differs from that indicated by a DIS signal.
U01010	No relevant signal was received after transmission of a DNL (MPS or EOM) signal, and the preset number of command retransfers was exceeded (between units of our make).
U01011	No relevant signal was received after transmission of a DCS, TCF signal, and the preset number of command retransfers was exceeded.
U01012	No relevant signal was received after transmission of an NSS1, NSS2 (TCF) signal, and the preset number of command retransfers was exceeded (between units of our make).
U01013	No relevant signal was received after transmission of an NSS3, TCF signal, and the preset number of command retransfers was exceeded (between units of our make).
U01014	No relevant signal was received after transmission of an MPS signal, and the preset number of command retransfers was exceeded.
U01015	No relevant signal was received after transmission of an EOM signal, and the preset number of command retransfers was exceeded.
U01016	An MCF signal was received but no DIS signal was received after transmission of an EOM signal, and T1 timeout was detected.
U01017	No relevant signal was received after transmission of an EOP signal, and the preset number of command retransfers was exceeded.
U01018	No relevant signal was received after transmission of a PRI-EOP signal, and the preset number of command retransfers was exceeded.
U01019	No relevant signal was received after transmission of a CNC signal, and the preset number of command retransfers was exceeded (between units of our make).
U01020	No relevant signal was received after transmission of a CTC signal, and the preset number of command retransfers was exceeded (ECM).
U01021	No relevant signal was received after transmission of an EOR.Q signal, and the preset number of command retransfers was exceeded (ECM).
U01022	No relevant signal was received after transmission of an RR signal, and the preset number of command retransfers was exceeded (ECM).
U01023	No relevant signal was received after transmission of a PSS.NULL signal, and the preset number of command retransfers was exceeded (ECM).
U01024	No relevant signal was received after transmission of a PSS.MPS signal, and the preset number of command retransfers was exceeded (ECM).
U01025	No relevant signal was received after transmission of a PPS.EOM signal, and the preset number of command retransfers was exceeded (ECM).
U01026	No relevant signal was received after transmission of a PPS.EOP signal, and the preset number of command retransfers was exceeded (ECM).
U01027	No relevant signal was received after transmission of a PPS.PRI-EOP signal, and the preset number of command retransfers was exceeded (ECM).
U01028	T5 time-out was detected during ECM transmission (ECM).

Error code	Description
U01040	A DCN or other inappropriate signal was received during standby for DIS signal reception.
U01041	A DCN signal was received after transmission of a DNL (MPS or EOM) signal (between units of our make).
U01042	A DCN signal was received after transmission of a DCS, TCF signal.
U01043	A DCN signal was received after transmission of an NSS1, NSS2 (TCF) signal (between units of our make).
U01044	A DCN signal was received after transmission of an NSS3, TCF signal (between units of our make).
U01045	A DCN or other inappropriate signal was received after transmission of an MPS signal.
U01046	A DCN or other inappropriate signal was received after transmission of an EOM signal.
U01047	A DCN or other inappropriate signal was received after transmission of an EOP signal.
U01048	A DCN signal was received after transmission of a PRI-EOP signal.
U01049	A DCN signal was received after transmission of a CNC signal (between units of our make).
U01050	A DCN signal was received after transmission of a CTC signal (ECM).
U01051	A DCN signal was received after transmission of an EOR.Q signal (ECM).
U01052	A DCN signal was received after transmission of an RR signal (ECM).
U01053	A DCN signal was received after transmission of a PPS.NULL signal (ECM).
U01054	A DCN signal was received after transmission of a PPS.MPS signal (ECM).
U01055	A DCN signal was received after transmission of a PPS.EOM signal (ECM).
U01056	A DCN signal was received after transmission of a PPS.EOP signal (ECM).
U01057	A DCN signal was received after transmission of a PPS.PRI-EOP signal (ECM).
U01070	Polarity reversal was detected during handshake.
U01071	Polarity reversal was detected during message transmission.
U01072	A break in loop current was detected during transmission.
U01073	During reverse polling in V.34 mode at the receiver unit, a CM signal was not detected when transmitting after reception.
U01080	A PIP signal was received after transmission of a PPS.NULL signal.
U01091	During transmission in V.34 mode, communication was interrupted because a PPR signal was received over 10 times even after reducing the communication speed to the minimum with the symbol speed maintained at the level of connection.
U01092	During transmission in V.34 mode, communication was interrupted because of an impossible combination of the symbol speed and communication speed.

(2-6) U011XX error code table: G3 reception

Error code	Description
U01100	Function of the unit differs from that indicated by a DCS signal.
U01101	Function of the unit (excl. communication mode select) differs from that indicated by an NSS signal.
U01102	A DTC (NSC) signal was received when no transmission data was in the unit.
U01110	No response after transmission of a DIS signal.
U01111	No response after transmission of a DTC (NSC) signal.
U01112	No training reception after reception of a DCS or NSS signal.
U01113	No response after transmission of an FTT signal.
U01114	No message reception after transmission of a CFR signal.
U01115	No message reception after transmission of an MCF signal.
U01116	No message reception after transmission of a PPR signal.
U01117	No message reception after transmission of a CTR signal.
U01118	No message reception after transmission of an ERR signal.
U01119	No further signals were received after reception of a message.
U01120	No response after transmission of an MCF signal.
U01121	No response after transmission of an RTP signal.
U01122	No response after transmission of an RTN signal.
U01123	No response after transmission of a PIP signal.
U01124	No response after transmission of a PIN signal.
U01125	No response after transmission of a CNS signal (between units of our make).
U01126	No response after transmission of a PPR signal (ECM).
U01127	No response after transmission of an ERR signal (ECM).
U01128	No response after transmission of an RNR signal (ECM).
U01129	No response after transmission of an SPA signal (short protocol).
U01140	A DCN signal was received after transmission of a DIS signal.
U01141	A DCN signal was received after transmission of a DTC signal.
U01142	A DCN signal was received after transmission of a DCS or NSS signal.
U01143	A DCN signal was received after transmission of an FTT signal.
U01144	A DCN signal was received after transmission of a CFR signal.
U01145	A DCN signal was received after reception of a message.
U01146	A DCN signal was received after transmission of an MCF signal (interoffice communication after reception of an MPS, EOM signal or confidential interoffice communication).
U01147	A DCN signal was received after transmission of an RTP signal.
U01148	A DCN signal was received after transmission of an RTN signal.
U01149	A DCN signal was received after transmission of a PIP signal.
U01150	A DCN signal was received after transmission of a PIN signal.
U01151	A DCN signal was received after transmission of a PPR signal (ECM).

Error code	Description
U01152	A DCN signal was received after transmission of a CTR signal (ECM).
U01153	A DCN signal was received after transmission of an ERR signal (ECM).
U01154	A DCN signal was received after transmission of an RNR signal (ECM).
U01155	A DCN signal was received after transmission of an SPA signal (short protocol).
U01160	During message reception, transmission time exceeded the maximum transmission time per line.
U01161	Number of error lines exceeded limits during message reception.
U01162	A break in loop current was detected during message reception.
U01163	Polarity reversal was detected during message reception.
U01164	One page length exceeded the specified length during message reception.
U01170	A decoding error occurred during MMR message reception.
U01172	During reverse polling in V.34 mode at the transmitting unit, a JM signal was not detected after transmission of a CM signal when receiving after transmission.
U01191	Communication was interrupted because an error occurred during an image data reception sequence in the V.34 mode.
U01199	A DIS signal with different FIF was received after transmission of a DIS signal.

(2-7) U017XX error code table: V.34 transmission

Error code	Description
U01700	A communication error occurred in phase 2 (line probing).
U01720	A communication error occurred in phase 4 (modem parameter exchange).
U01721	Operation was interrupted due to the absence of a common communication speed between units.

U01700: A communication error that occurs at the transmitting unit in the period after transmission of INFO0 before entering phase 3 (primary channel equivalent device training). For example, INFO0/A/Abar (B/Bbar, for polling transmission)/INFOh was not detected.

U01720: A communication error that occurs at the transmitting unit in the period after initiating the control channel before entering the T.30 process. For example, PPh/ALT/MPh/E was not detected.

U01721: In the absence of a common communication speed between units (including when an impossible combination of communication speed and symbol speed occurs) after MPh exchange; 1) a DCN signal was received from the destination unit, and the line was cut; or 2) a DIS (NSF, CSI) signal was received from the destination unit and, in response to the signal, the unit transmitted a DCN signal, and the line was cut.

(2-8) U018XX error code table: V.34 reception

Error code	Description
U01800	A communication error occurred in phase 2 (line probing).
U01810	A communication error occurred in phase 3 (primary channel equivalent device training).
U01820	A communication error occurred in phase 4 (modem parameter exchange).
U01821	Operation was interrupted due to the absence of a common communication speed between units.

U01800: A communication error that occurs at the receiver unit in the period after transmission of INFO0 before entering phase 3 (primary channel equivalent device training). For example, INFO0/B/Bbar (A/Abar, for polling reception)/probing tone was not detected.

U01810: A communication error that occurs at the receiver unit in phase 3 (primary channel equivalent device training).

For example, S/Sbar/PP/TRN was not detected.

U01820: A communication error that occurs at the receiver unit in the period after initiating the control channel before entering the T.30 process. For example, PPh/ALT/MPh/E was not detected.

U01821: In the absence of a common communication speed between units (including when an impossible combination of communication speed and symbol speed occurs) after MPh exchange, a DCN signal was transmitted to the destination unit and the line was cut.

(2-9) U023XX error code table: Relay command abnormal reception

Error code	Description
U02303	Timeout was detected before a correct DNL signal was received.
U02304	A signal other than MPS or EOM signal was received after a DNL signal was received.

(2-10) U044XX error code table: Encrypted transmission

Error code	Description
U04400	Encrypted transmission was interrupted because encryption keys did not agree.
U04401	Calling failed during encrypted transmission because the encryption key was not registered.

1-5-1 Precautions for assembly and disassembly

(1) Precautions

Before starting disassembly, press the Power key on the operation panel to off. Make sure that the Power lamp is off before turning off the main power switch. Unplug the power cable from the wall outlet.

When the fax kit is installed, be sure to disconnect the modular code before starting disassembly.

When handling PWBs (printed wiring boards), do not touch parts with bare hands.

The PWBs are susceptible to static charge.

Do not touch any PWB containing ICs with bare hands or any object prone to static charge.

When removing the hook of the connector, be sure to release the hook.

Take care not to get the cables caught.

To reassemble the parts, use the original screws. If the types and the sizes of screws are not known, refer to the PARTS LIST.

(2) Drum unit

Note the following when handling or storing the drum unit.

When removing the drum unit, never expose the drum surface to strong direct light.

Keep the drum unit at an ambient temperature between -20°C/-4°F and 40°C/104°F and at a relative humidity not higher than 85% RH. Avoid abrupt changes in temperature and humidity.

Avoid exposure to any substance which is harmful to or may affect the quality of the drum unit.

Do not touch the drum surface with any object. Should it be touched by hands or stained with oil, clean it.

(3) Toner

Store the toner containers in a cool, dark place.

Avoid exposing the toner containers to direct light and high humidity.

(4) How to tell a genuine Kyocera toner container

As a means of brand protection, the Kyocera toner container utilizes an optical security technology to enable visual validation. A validation viewer is required to accomplish this.

Hold the validation viewer over the left side part of the brand protection seal on the toner container. Through each window of the validation viewer, the left side part of the seal should be seen as follows:

A black-colored band when seen through the left side window (●)

A shiny or gold-colored band when seen through the right side window (☀)

The above will reveal that the toner container is a genuine Kyocera branded toner container, otherwise, it is a counterfeit.

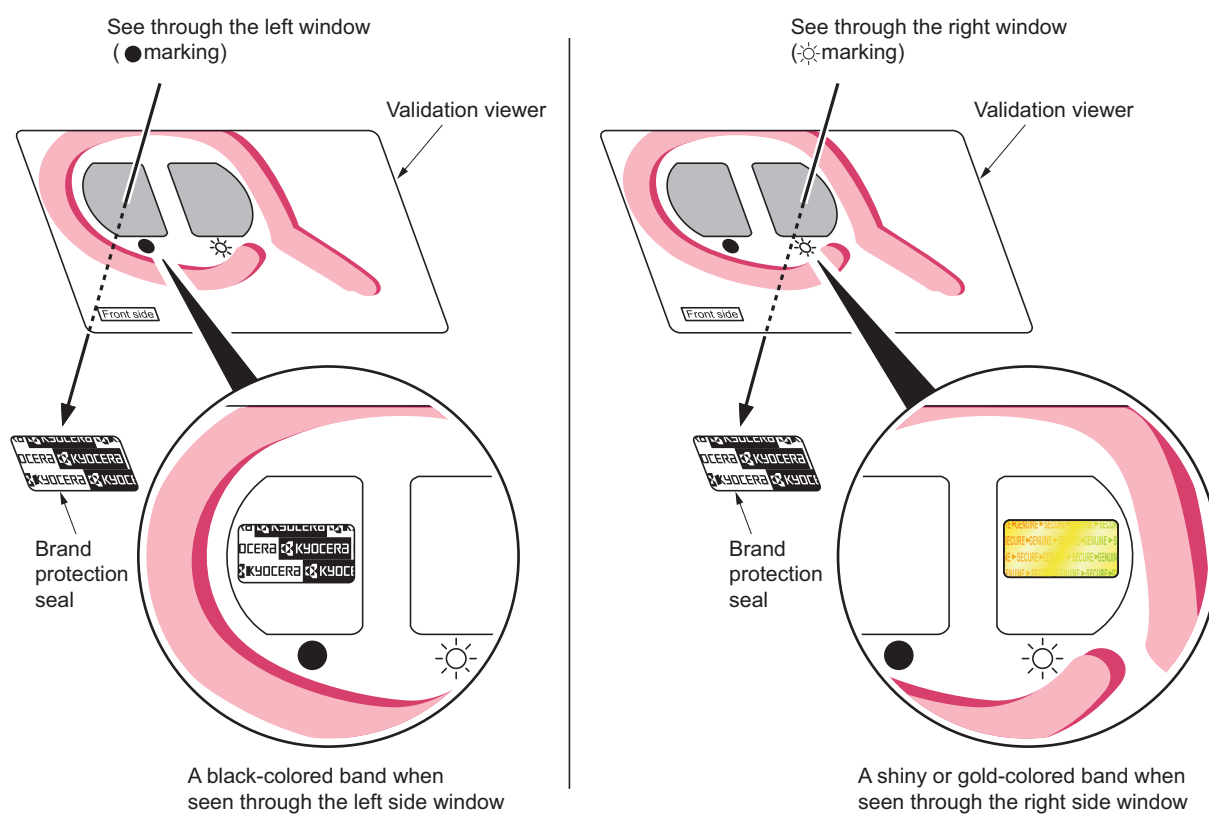


Figure 1-5-1

The brand protection seal has an incision as shown below to prohibit reuse.

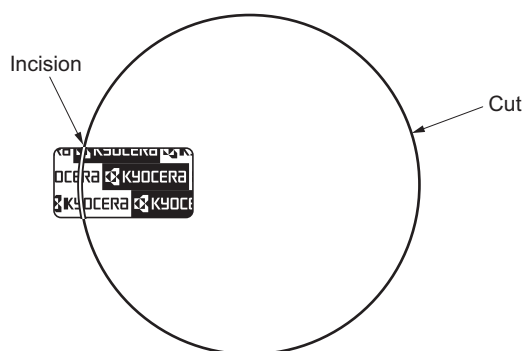


Figure 1-5-2

1-5-2 Outer covers

(1) Detaching and refitting the front cover

Procedures

1. Remove the cassette. (See page 1-5-8)
2. Open the front cover.
3. Remove two films from the front cover.

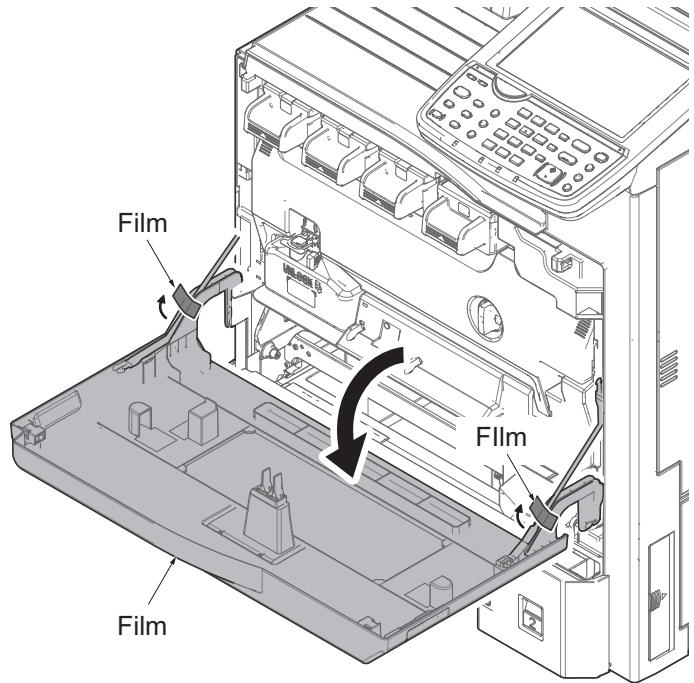


Figure 1-5-3

4. Unhitch the straps by squeezing the hooks inward as shown.

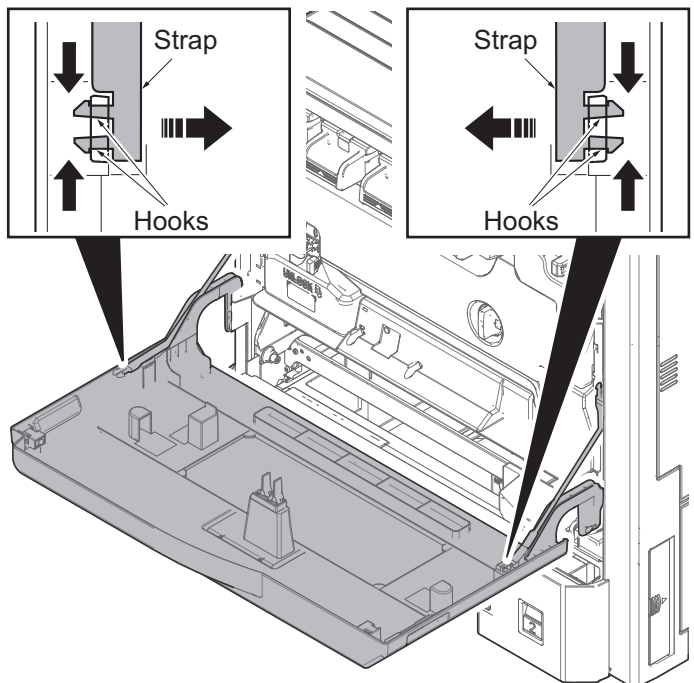


Figure 1-5-4

5. Remove two fulcrum axes of the front cover.
6. Remove the front cover.

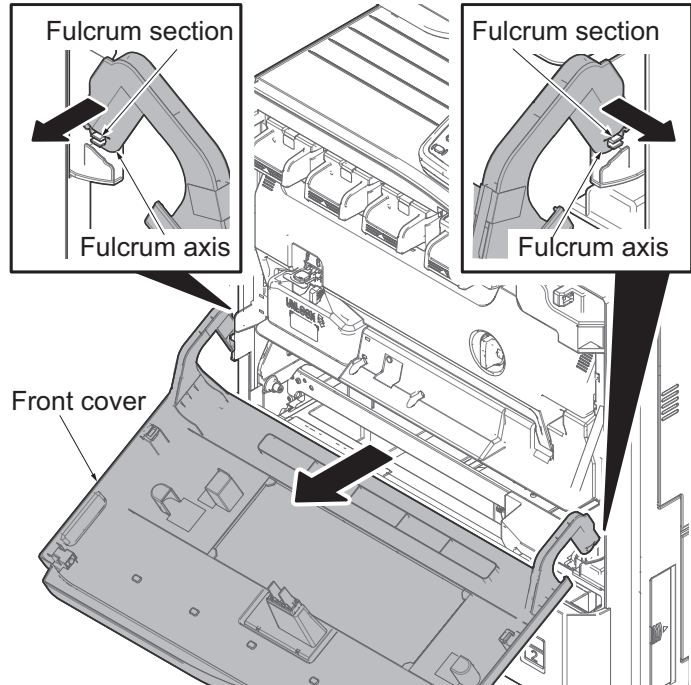


Figure 1-5-5

(2) Detaching and refitting the rear cover

Procedures.

1. Remove eight screws.
2. Pull the rear cover upwards and then release three hooks.
3. Remove the rear cover.

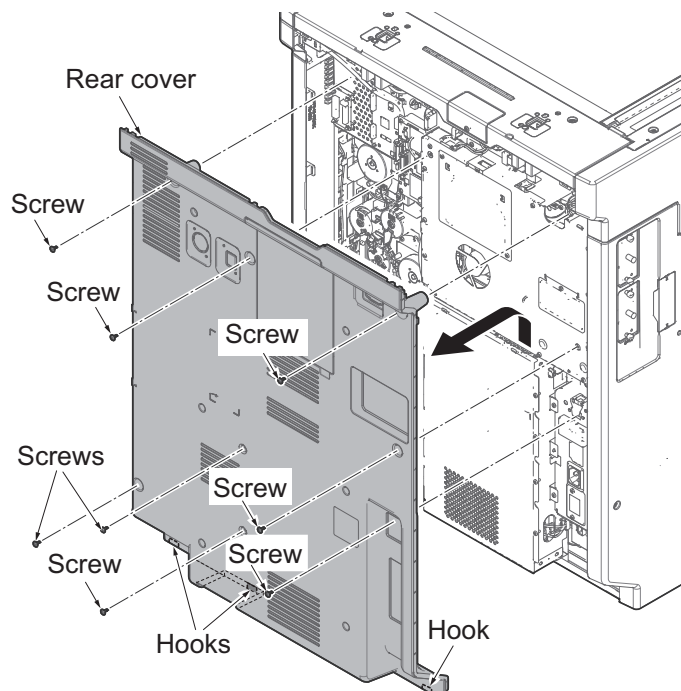


Figure 1-5-6

(3) Detaching and refitting the inner tray

Procedures

1. Release the lock lever and then remove the job separator tray.

ATTENTION: When refitting the Job separator tray, be cautious of the position of a paper guide.

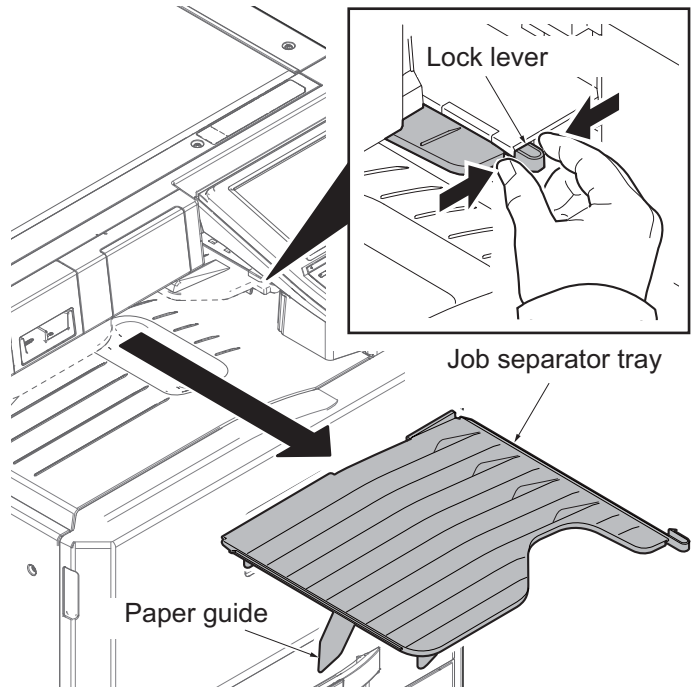
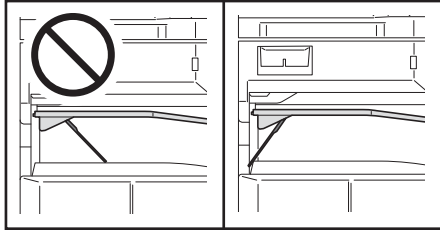


Figure 1-5-7

2. Remove the rear cover.
(See page 1-5-4)
3. Remove the cassette.
(See page 1-5-8)
4. Open the front cover.
5. Remove six screws.
6. Pull the left lower cover upwards and then release four hooks.
7. Remove the left lower cover.

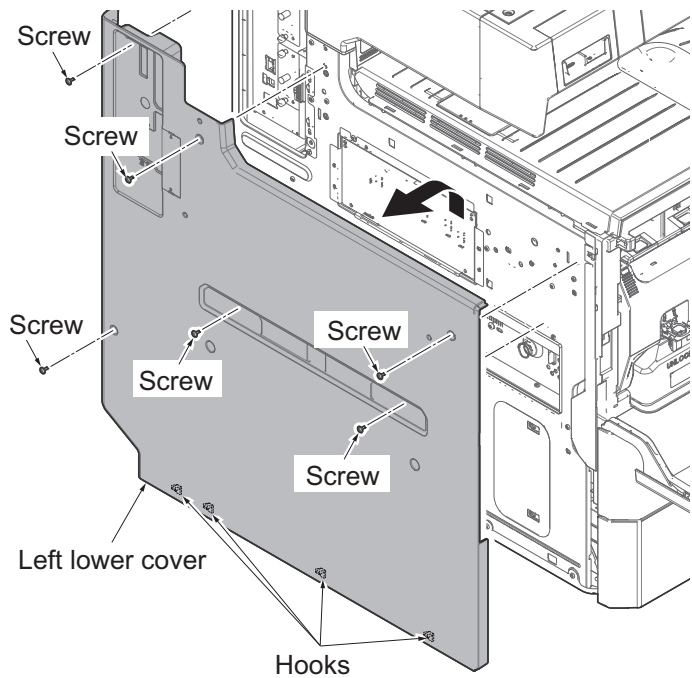


Figure 1-5-8

8. Release the hook of the front upper cover.
9. Tilt the front upper cover forward.

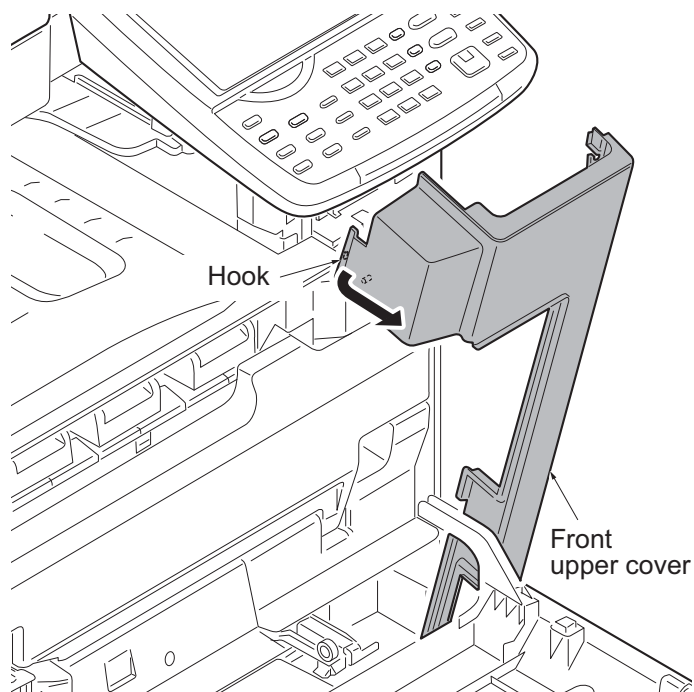


Figure 1-5-9

10. Remove the inner tray.

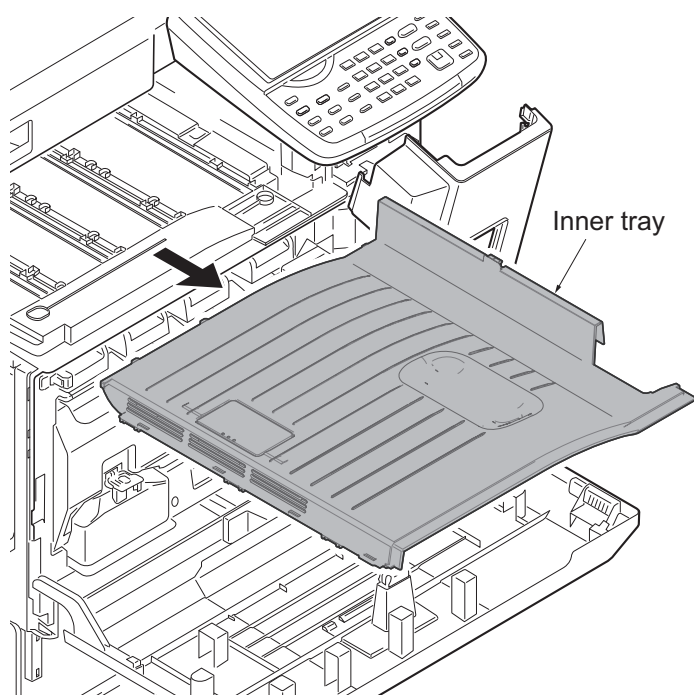


Figure 1-5-10

(4) Detaching and refitting the eject rear cover

Procedures

1. Remove the screw and remove the eject rear cover.

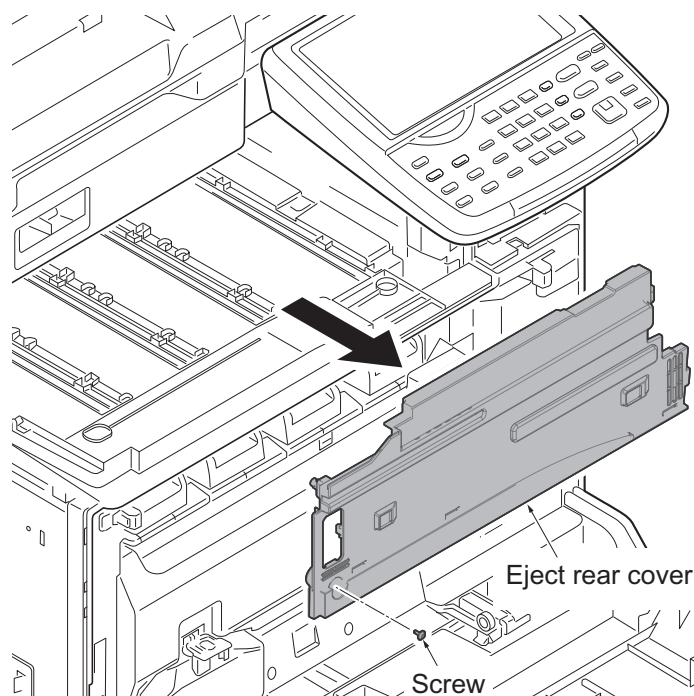


Figure 1-5-11

2. Release two hooks by using a flat screwdriver.
3. Release two projections and remove the tray left cover.

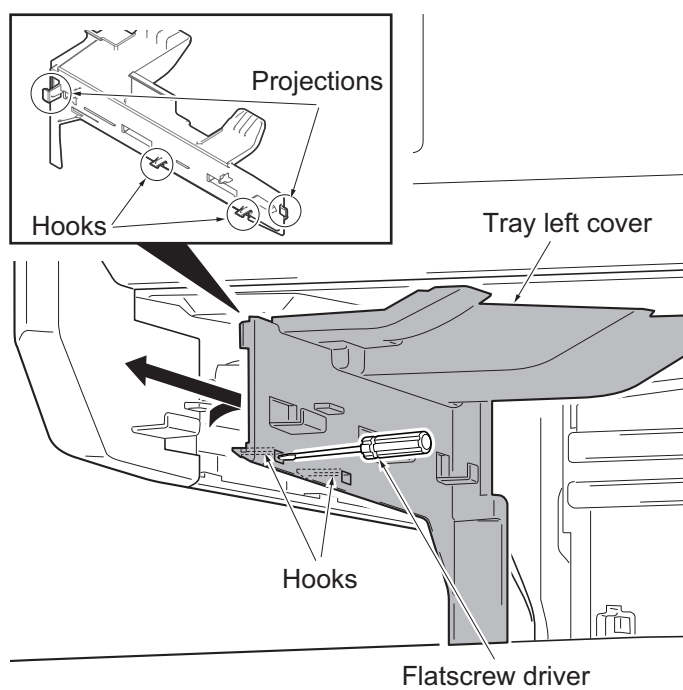


Figure 1-5-12

1-5-3 Paper feed section

(1) Detaching and refitting the primary paper feed unit

Procedures

1. Remove the cassette.

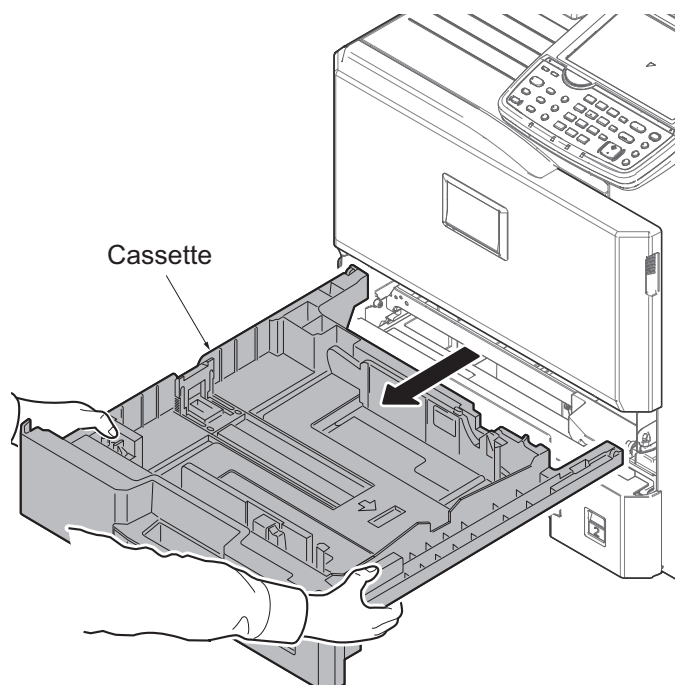


Figure 1-5-13

2. Release the paper feed lever and then remove the primary paper feed unit.
3. Check or replace the primary paper feed unit and refit all the removed parts.
4. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U901 (Checking copy counts by paper feed locations) (see page 1-3-193).

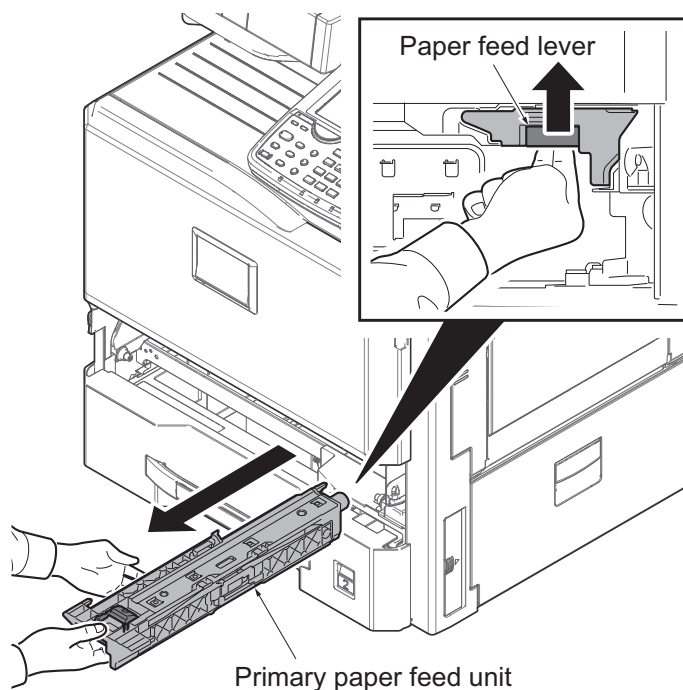


Figure 1-5-14

(2) Detaching and refitting the MP paper feed roller and MP separation pad

Procedures

1. Open the right cover 1.

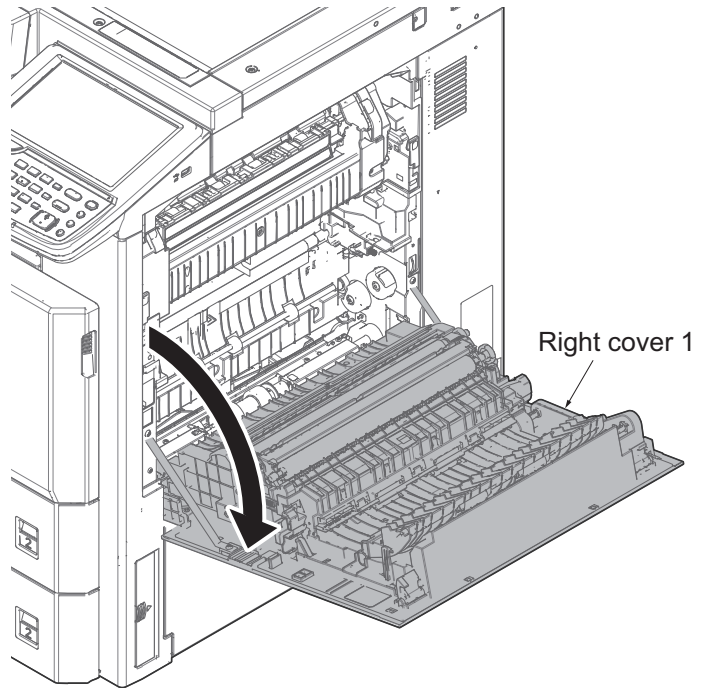


Figure 1-5-15

2. While squeezing the holder inward, remove the MP paper feed roller.

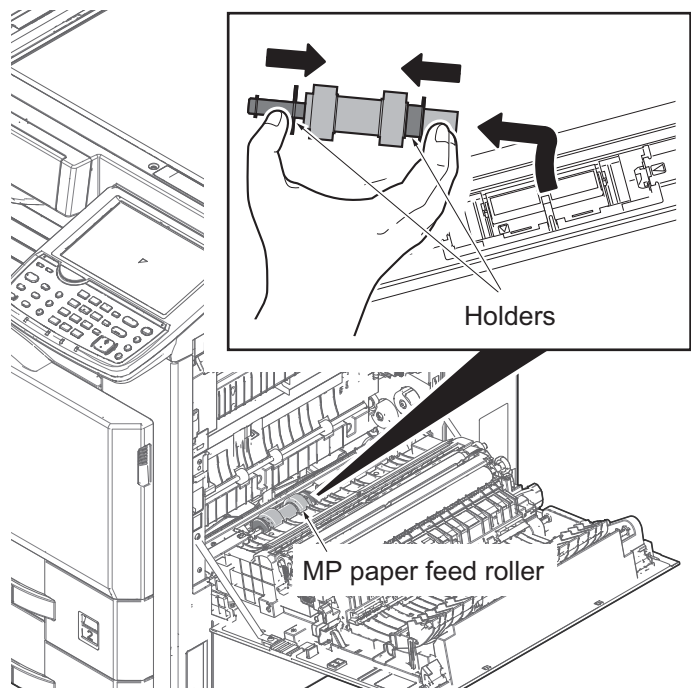


Figure 1-5-16

3. Tilt the MP separation pad forward and then remove it upwards.
4. Check or replace the MP paper feed roller and MP separation pad and refit all the removed parts.
5. When replacing the new parts, proceed as follows:
 - 1) Performs maintenance mode U901 (Checking copy counts by paper feed locations) (see page 1-3-193).

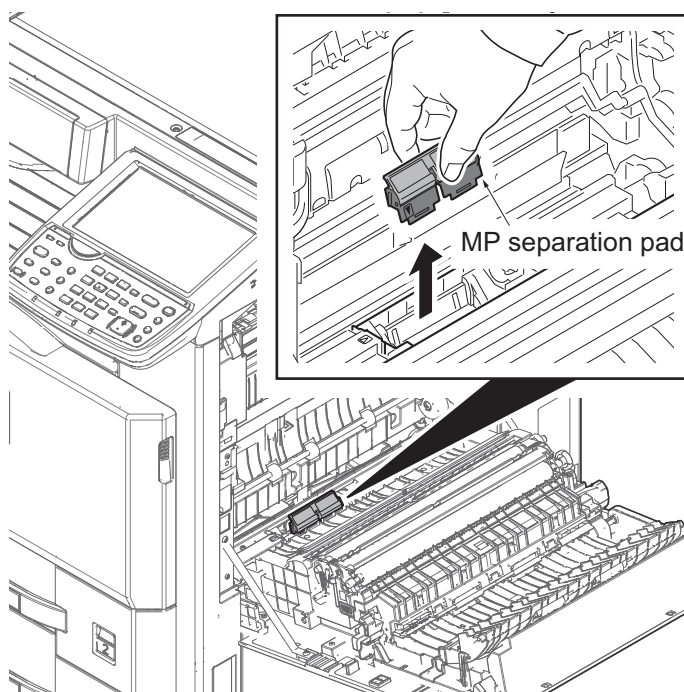


Figure 1-5-17

(3) Detaching and refitting the registration roller

Procedures

1. Open the right cover 1.
2. Remove the transfer roller unit.
(See page 1-5-16)
3. Remove two springs at the front and back of the registration roller right.
4. Remove the cap and gear.
5. Slide and remove the registration roller right.
6. Check or replace the registration roller right and refit all the removed parts.

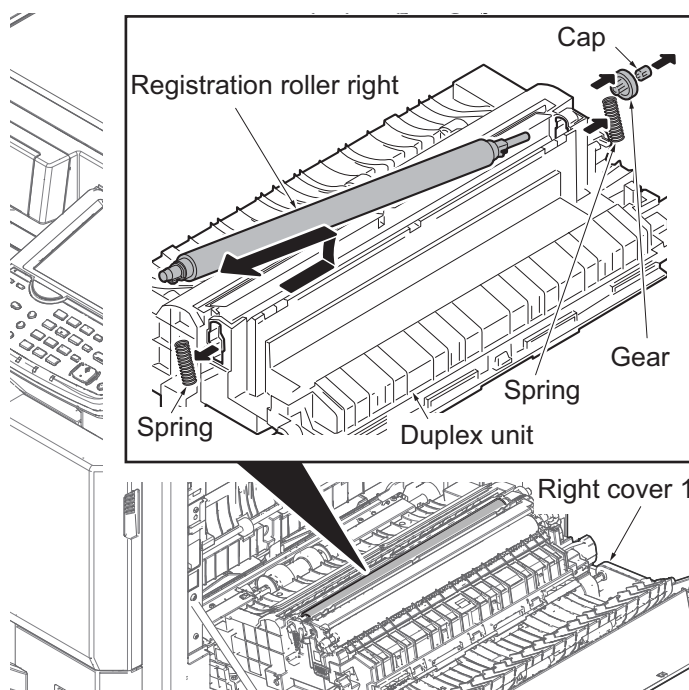


Figure 1-5-18

(4) Detaching and refitting the registration cleaner

Procedures

1. Open the front cover.
2. Open the duct cover. (See page 1-5-14)
3. Set the cleaner lever up and draw the registration cleaner forward.
4. Check or replace the registration cleaner and refit all the removed parts.

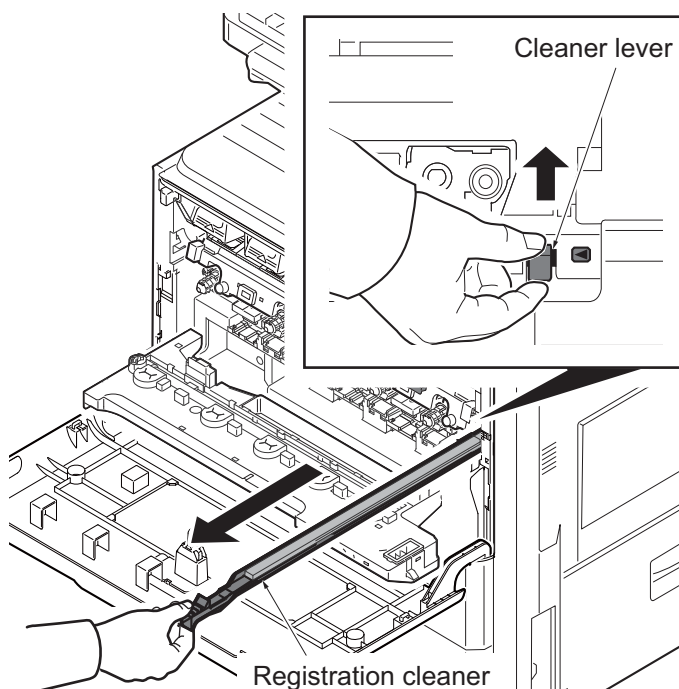


Figure 1-5-19

(5) Detaching and refitting the MP tray

Procedures

1. Open the right cover 1.
2. Remove the MP wire cover and then remove the connector.
3. Close the right cover 1.

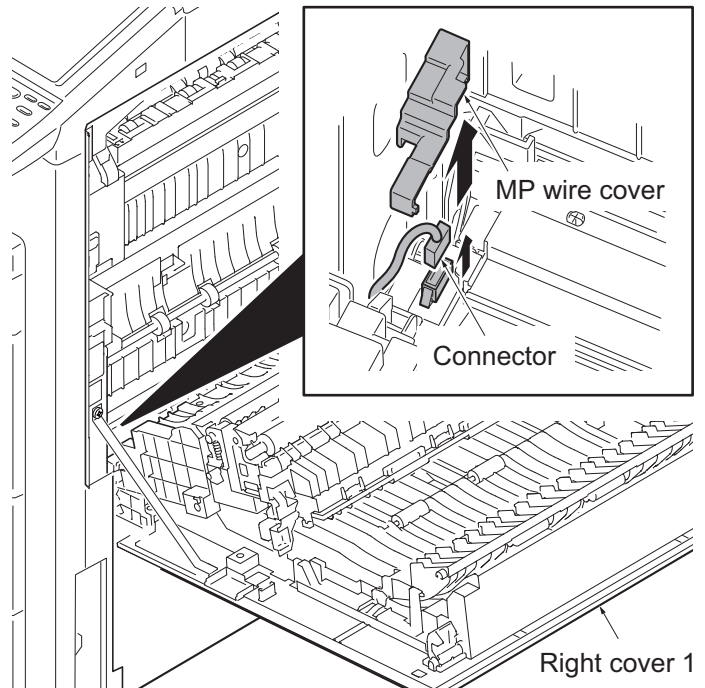


Figure 1-5-20

4. Open the MP tray.
5. Release two fulcrums of the MP tray by using a flat screwdriver.
6. Pull two straps upwards to remove.
7. Remove the MP tray.

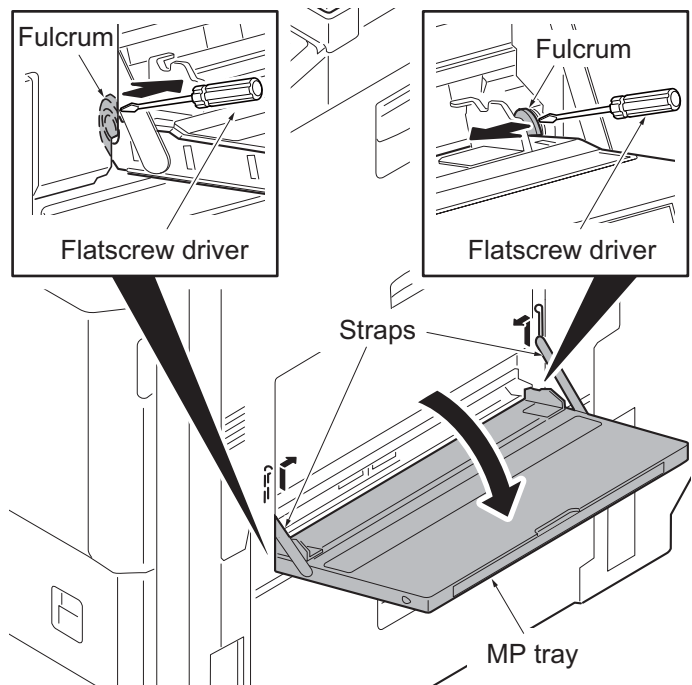


Figure 1-5-21

1-5-4 Developing section

(1) Detaching and refitting the developing unit

Procedures

1. Open the front cover.
2. Release the lock lever and then remove the waste toner box.

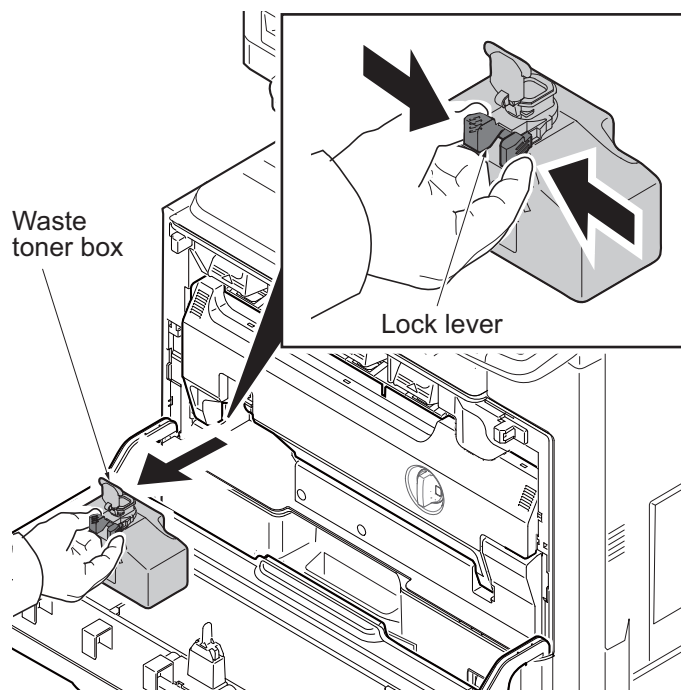


Figure 1-5-22

3. Turn the lock lever to the right and then knock down the duct cover forwards.

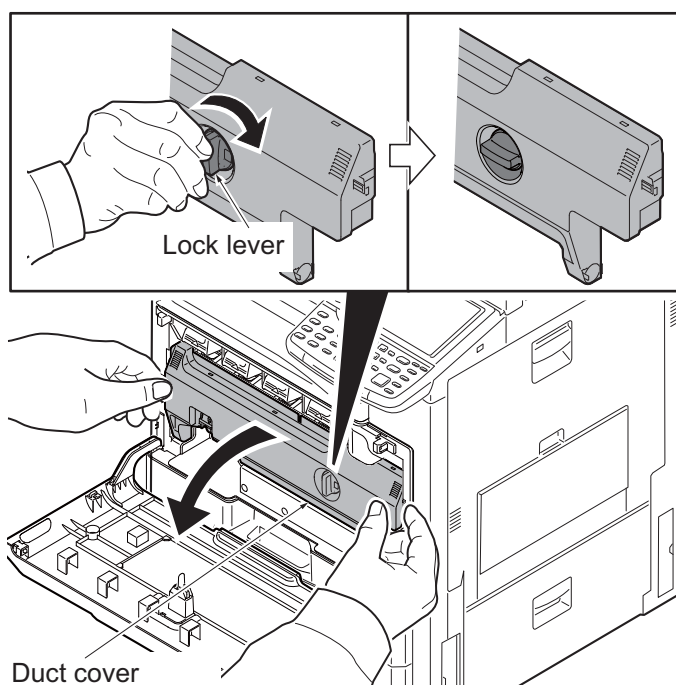


Figure 1-5-23

4. Lift the lever and turn the duct holder upwards.

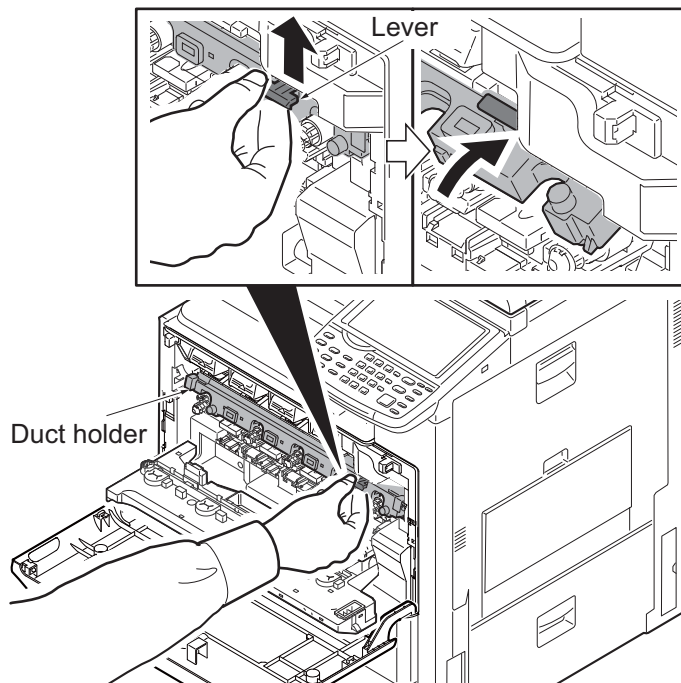


Figure 1-5-24

5. Push the lock lever of the developer unit upwards and then remove the developer unit.
6. Check or replace the developer unit and refit all the removed parts.
7. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

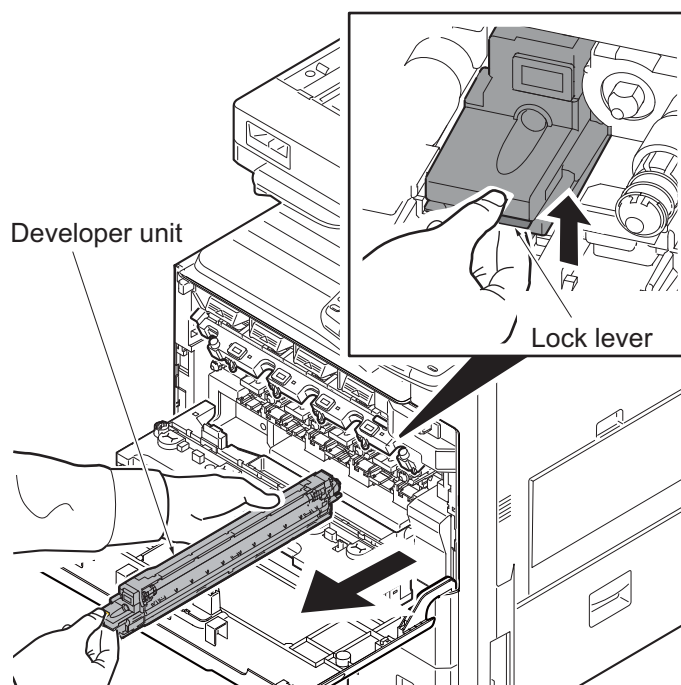


Figure 1-5-25

1-5-5 Drum section

(1) Detaching and refitting the drum unit

Procedures

1. Open the front cover.
2. Release the waste toner box.
(See page 1-5-13)
3. Turn the lock lever to the right and then knock down the duct cover forwards.
(See page 1-5-14)
4. Lift the lever and turn the duct holder upwards. (See page 1-5-14)
5. Push the lock lever of the drum unit upwards and then remove the drum unit.
6. Check or replace the drum unit and refit all the removed parts.
7. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

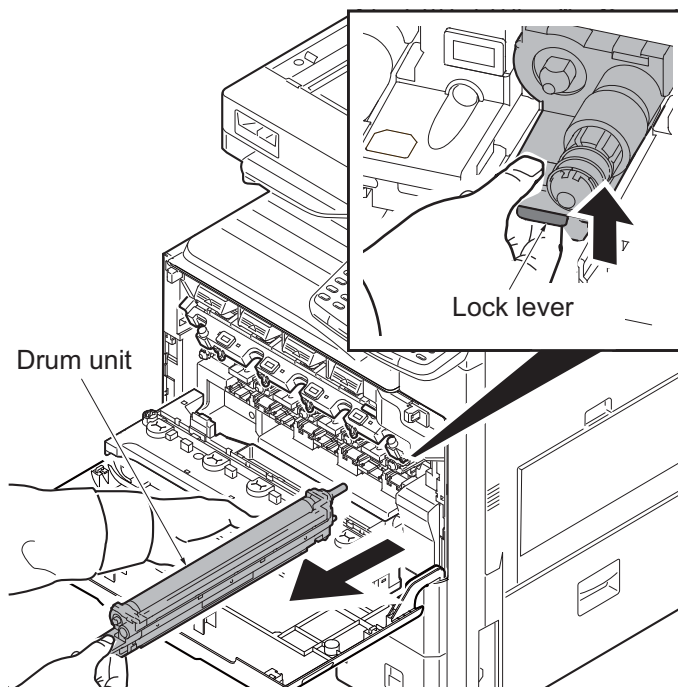


Figure 1-5-26

(2) Detaching and refitting the charger roller unit

Procedures

1. Remove the drum unit.
(See page 1-5-15)
2. Release two lock levers and then remove the charger roller unit.
3. Check or replace the charger roller unit and refit all the removed parts.

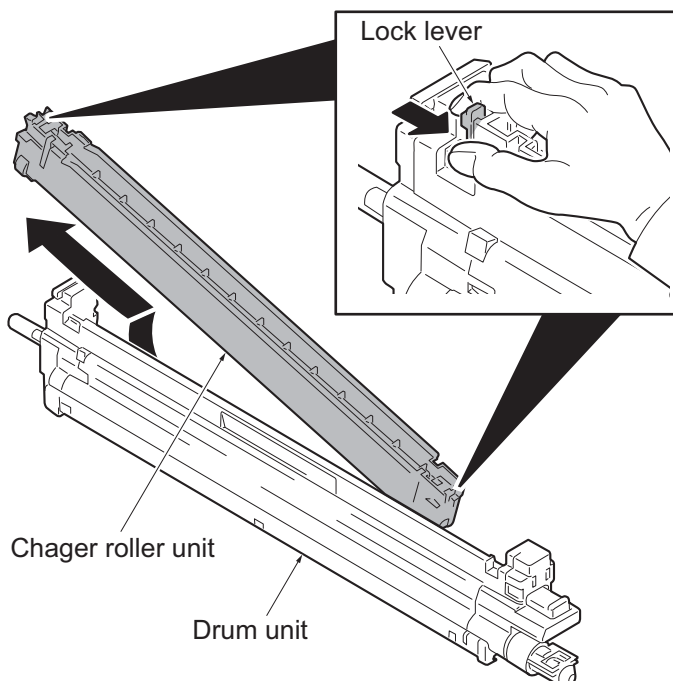


Figure 1-5-27

1-5-6 Transfer/separation section

(1) Detaching and refitting the intermediate transfer unit

Procedures

1. Open the right cover 1.
2. Pull the intermediate transfer unit forwards by holding two knobs A.
3. Change to the knob B from the knob A and then remove the intermediate transfer unit.
4. Check or replace the intermediate transfer unit and refit all the removed parts.
5. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

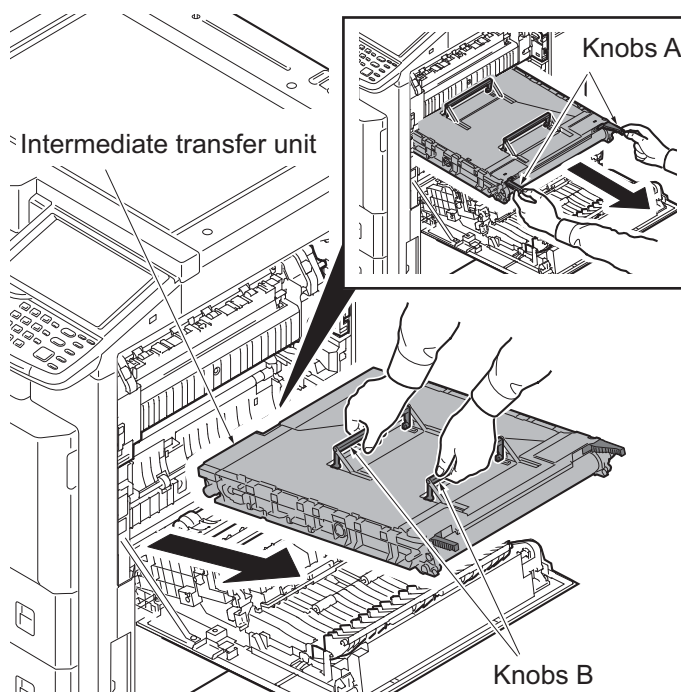


Figure 1-5-28

(2) Detaching and refitting the secondary transfer roller unit

Procedures

1. Open the right cover 1.
2. Release two lock levers and then remove the secondary transfer roller unit.
3. Check or replace the secondary transfer roller unit and refit all the removed parts.
4. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U127 (Clearing the transfer count) (see page 1-3-74).
 - 2) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

ATTENTION: When refitting the secondary transfer roller unit, insert it in place until it clicks in.

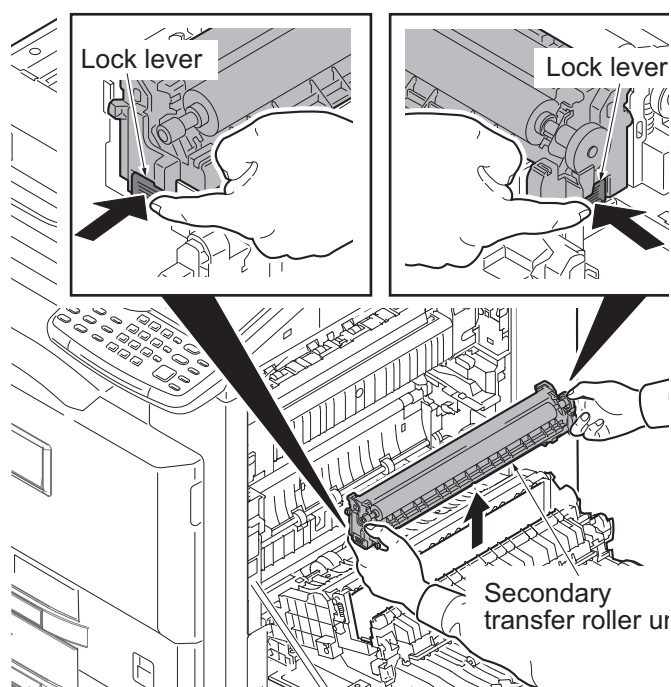


Figure 1-5-29

1-5-7 Fuser section

(1) Detaching and refitting the fuser unit

Procedures

1. Open the right cover 1.
2. Release two mount levers and then pull the fuser unit forwards

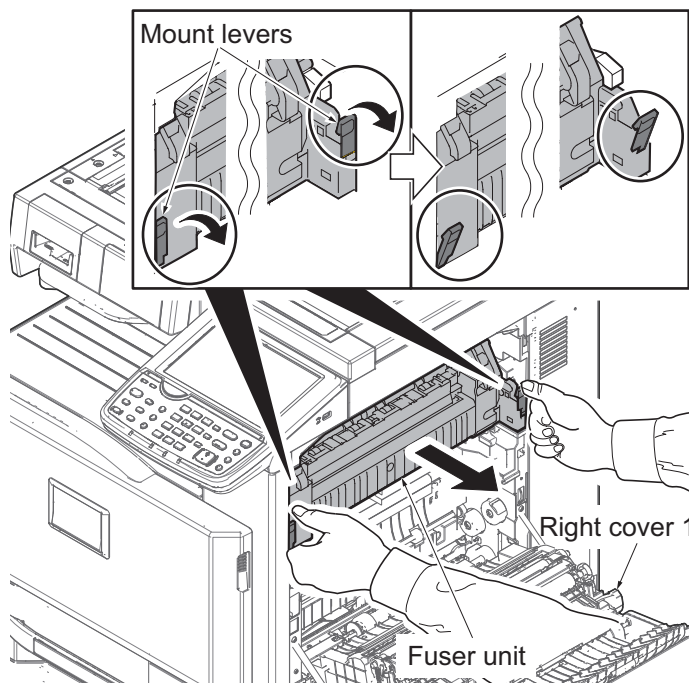


Figure 1-5-30

3. Grip two knobs of the fuser unit.
4. Lift the fuser unit upwards and then remove the fuser unit.
5. Check or replace the fuser unit and refit all the removed parts.
6. When replacing the new unit, proceed as follows:
 - 1) Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

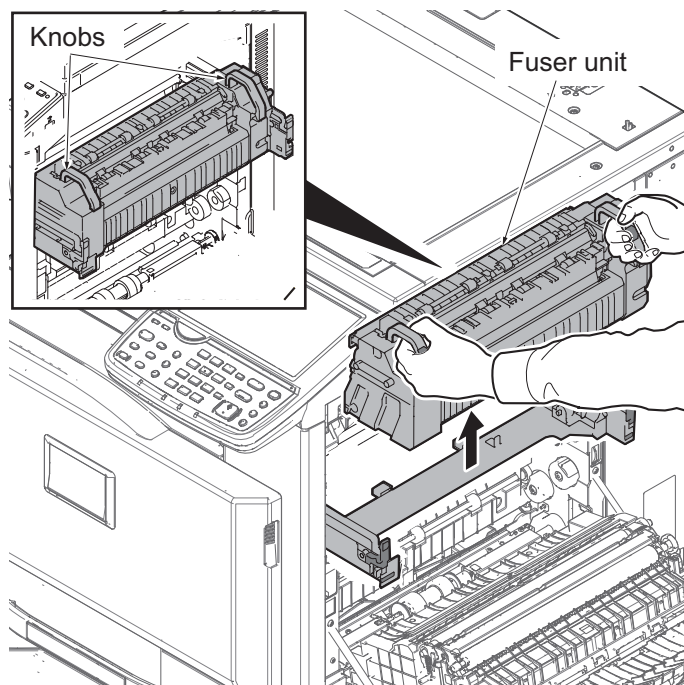


Figure 1-5-31

1-5-8 Drive section

(1) Detaching and refitting the drive unit 1

Procedures

1. Remove the rear cover.
(See page 1-5-4)
2. Remove the connector.
3. Remove four screws and then remove the drive unit 1.
4. Check or replace the drive unit 1 and refit all the removed parts.

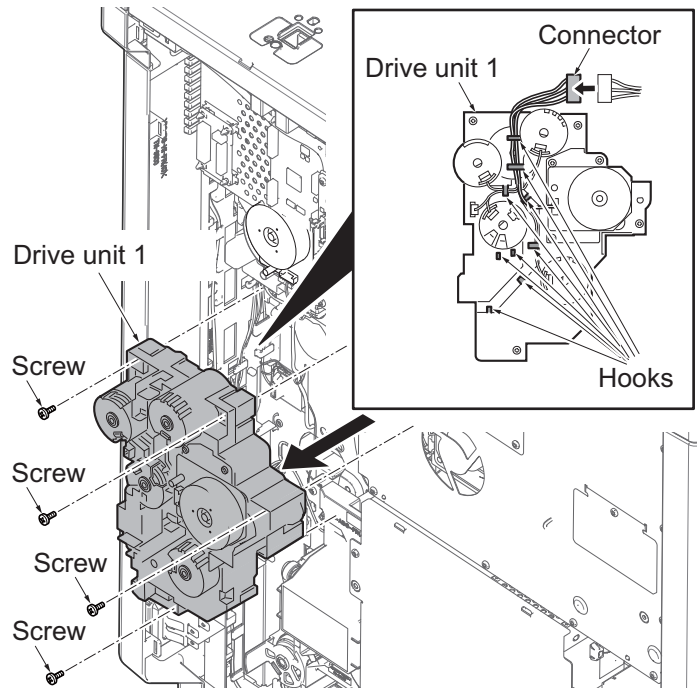


Figure 1-5-32

NOTE: When refitting the drive unit 1, checks that the position of a cam is in the A side from the upper limit line.

NOTE: When cam isn't in the A side from the upper limit line, turn the motor by hand and bring the cam into the A side.

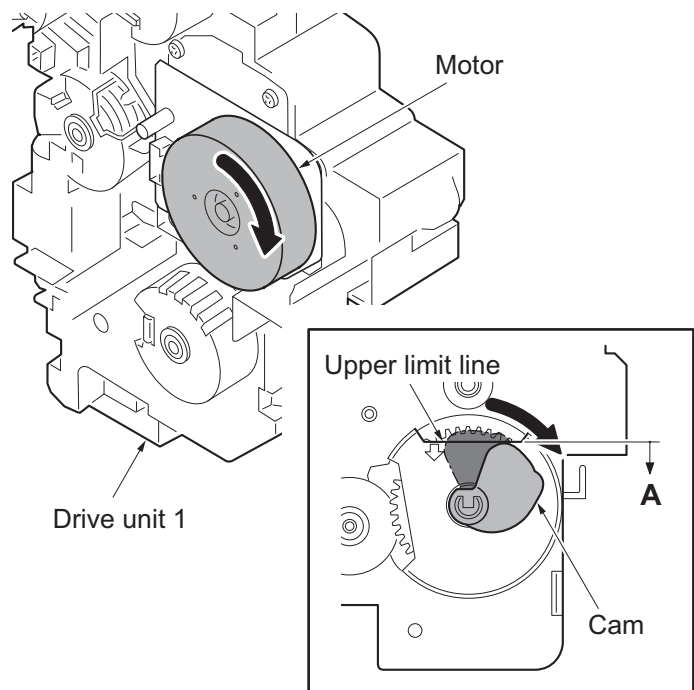


Figure 1-5-33

(2) Detaching and refitting the drive unit 2

Procedures

1. Remove the rear cover.
(See page 1-5-4)
2. Remove five connectors.
3. Remove four screws and then remove the drive unit 2.
4. Check or replace the drive unit 2 and refit all the removed parts.

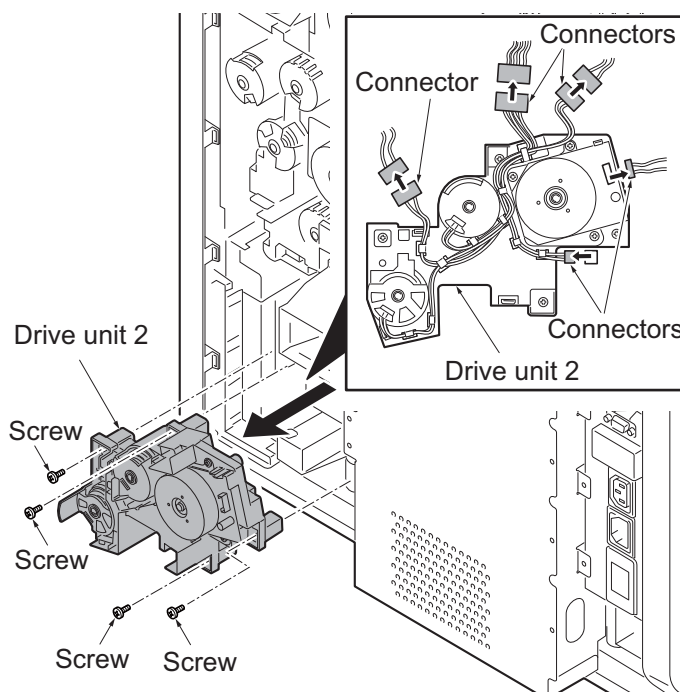


Figure 1-5-34

(3) Detaching and refitting the drive unit 3

Procedures

1. Remove the rear cover.
(See page 1-5-4)
2. Remove two connectors.
3. Remove two wire holders and then release the wires.
4. Remove four screws.
5. Release the hook and remove the drive unit 3.
6. Check or replace the drive unit 3 and refit all the removed parts.

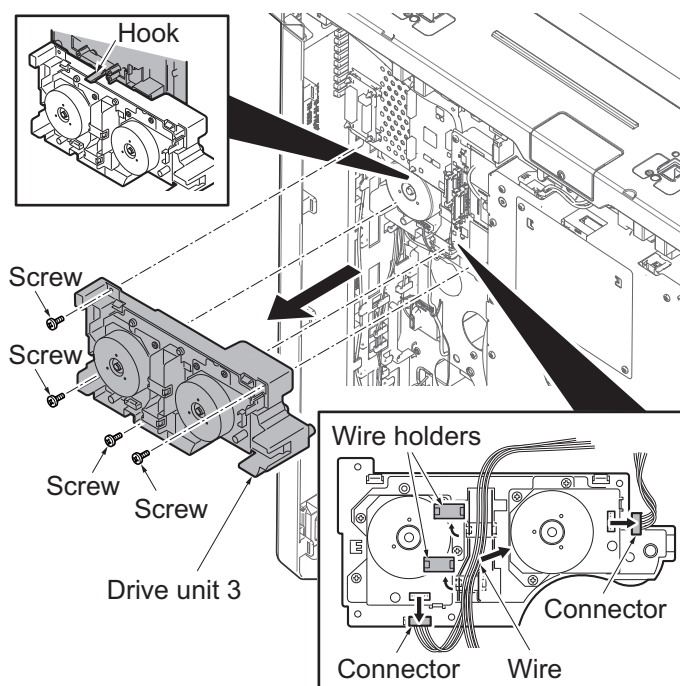


Figure 1-5-35

1-5-9 Optical section

(1) Detaching and refitting the laser scanner unit

Procedures

1. Remove the cassette.
(See page 1-5-8)
2. Remove the rear cover and left lower cover.(See page 1-5-4,1-5-5)
3. Remove two connectors.
4. Remove four screws and then remove the laser scanner unit assy by pulling it forwards.
5. Release the clamp and then remove the FFC from the connector.
6. Remove two screws.
7. Remove the pin and spring and then remove the unit holder Y.
8. Lift the laser scanner unit Y upwards and then remove the laser scanner unit Y (LSU-Y).
9. Similarly, remove the laser scanner unit C/M/K(LSU-C/M/K).
10. Check or replace the laser scanner unit and refit all the removed parts.

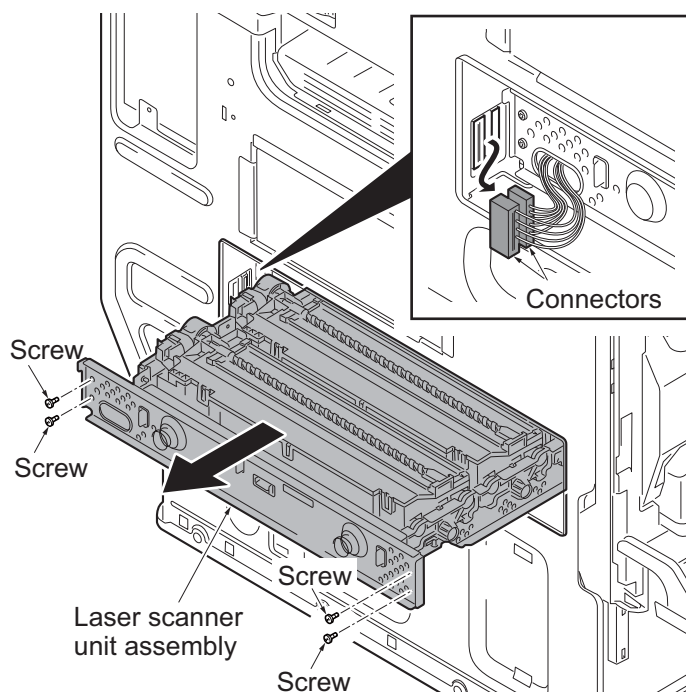


Figure 1-5-36

*: Wrap an antistatic discharging belt around your wrist to prevent damage to the LSU. Do not touch terminals and FFC contacts in the APC PWB of the LSU.

*: When reconnecting FFCs, be sure to insert the FFC all the way in with the FFC connector. This is to avoid a lengthy servicing due to a possible error which could cause re-disassembly and -assembly.

11. When replacing the new LSU, proceed as follows:
 - 1)When replacing the LSU-K, check and adjust the assembly frame of LSU unit. (see page 1-5-21).
When replacing the other LSU (LSU-Y/C/M), proceed to next step 2.
 - 2)Performs maintenance mode U469 (Auto color registration correction) (see page 1-3-153).
 - 3)Performs maintenance mode U464 (Calibration) (see page 1-3-148).
 - 4)Performs maintenance mode U410 (Adjusting the halftone automatically) (see page 1-3-133).

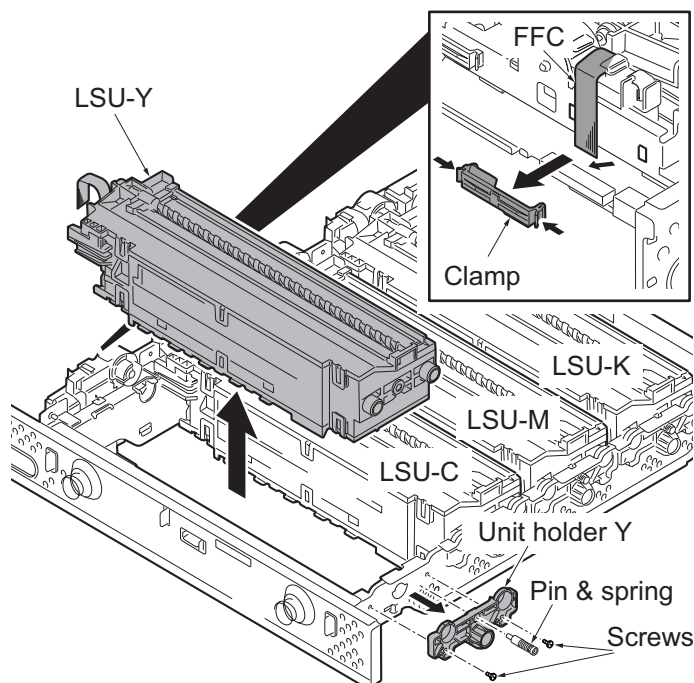
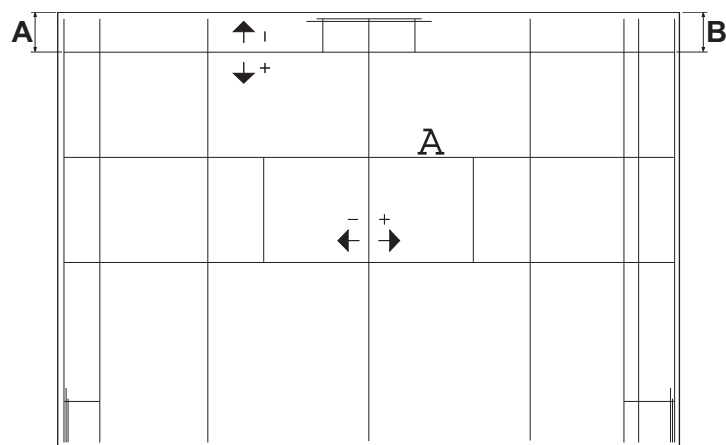


Figure 1-5-37

(2) Checks and adjusts the assembly frame of LSU unit

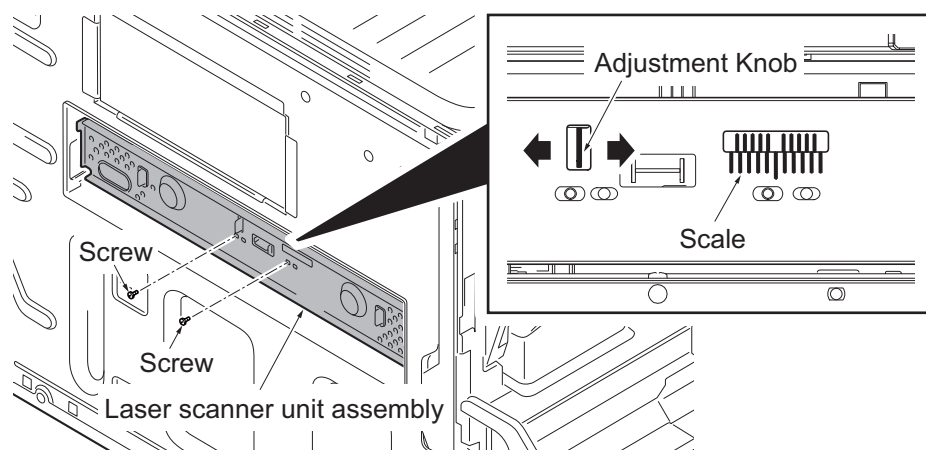
Procedures

1. Perform maintenance mode U034 (Adjusting the print start timing).
2. Select [LSU OUT TOP] or [LSU OUT LEFT].
- *: The screen for executing each item is displayed.
3. Press the system menu key.
4. Press the start key to output a test pattern.
5. Press the system menu key.

**Figure 1-5-38**

6. Measure two length of A and B in the outputted test pattern.
7. When measuring the size of two places A and B, if the difference of sizes is 1.5 mm or less, it is the completion of adjustment.

If the difference of size is more than 1.5mm, proceed to step 8.

**Figure 1-5-39**

8. Loosen two screws.
9. Adjust a scale for reference using an adjustment knob.
- *: In the measured value $A < B$, move the adjustment knob to rightward.
In the measured value $B < A$, move the adjustment knob to leftward.
10. Fasten two screws.
- *: Repeat steps 3 through 10.

(3) Color registration adjustment

Follow the Procedures below to replace the laser scanner unit.

Procedures

1. Press the system menu key.
2. Press [Adjustment/Maintenance], [Color Registration].

Auto correction

3. Press [Auto] and then [Start]. A chart is printed.
4. Place the printed chart as the original and then [Start]. Color registration begins.



Chart for adjustment

Figure 1-5-40

Manual correction

5. Press [Manual], and then [Print Chart]. A chart is printed.
6. Press [Registration].
Read figures at MH-1 to 7/CH-1 to 7/YH-1 to 7 and MV-3/CV-3/YV-3 of the reference chart and enter the figure marked at the scale which the BK fine line is in line with the M/C/Y fine lines, using the +/- keys.
7. Press [Start] after all values have been entered. Color registration begins.

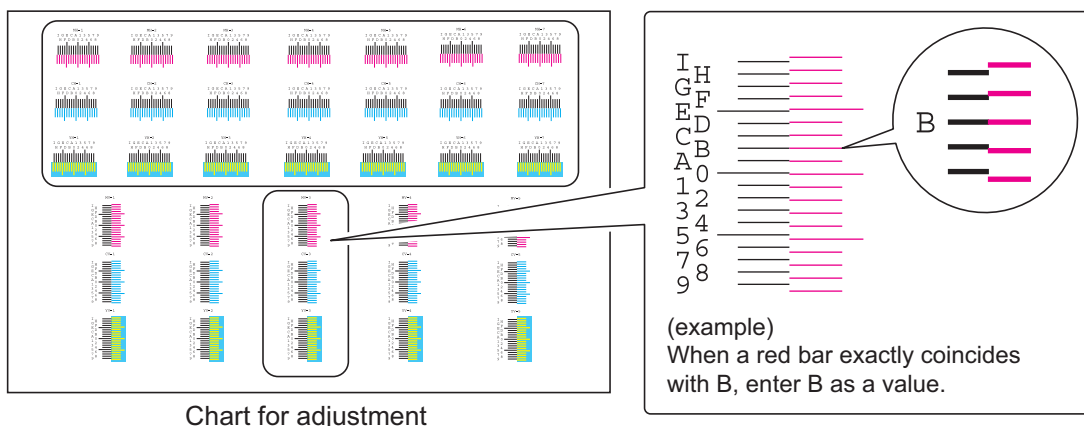
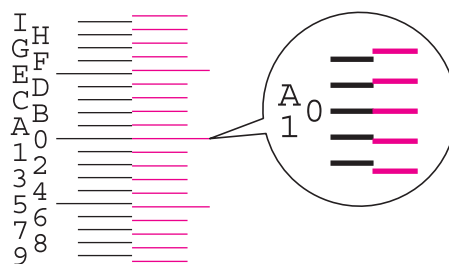


Chart for adjustment

Figure 1-5-41

8. Press [Chart] and [Print] to print a chart.
9. Verify that each scale is within the range of 1 to A. If they are within the range, proceed to step 10. If scales are out of range, repeat steps 6 through 9.



The scale must be corresponding within the range of "A" from "1".

Figure 1-5-42

10. Verify that scales of MV-1,2,4,5/CV-1,2,4,5/YV-1,2,4,5 coincide within the range of 1 to A. If they are within the range, adjustment is complete. If they are out of range, proceed to step 11.

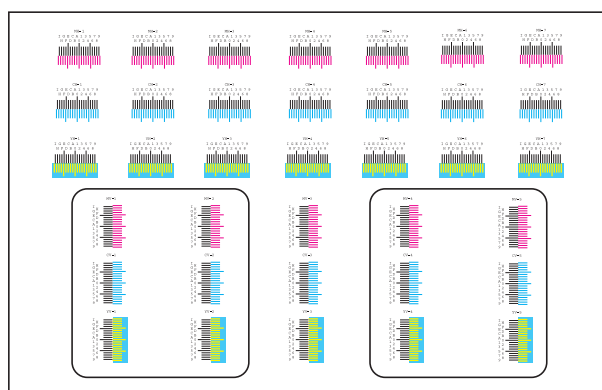


Chart for adjustment

Figure 1-5-43

If manual color registration has failed:

11. If the balance between V-1 and V-5 is more than 2 scales (sample 1) or less than -2 scales (sample 2), perform the following steps:

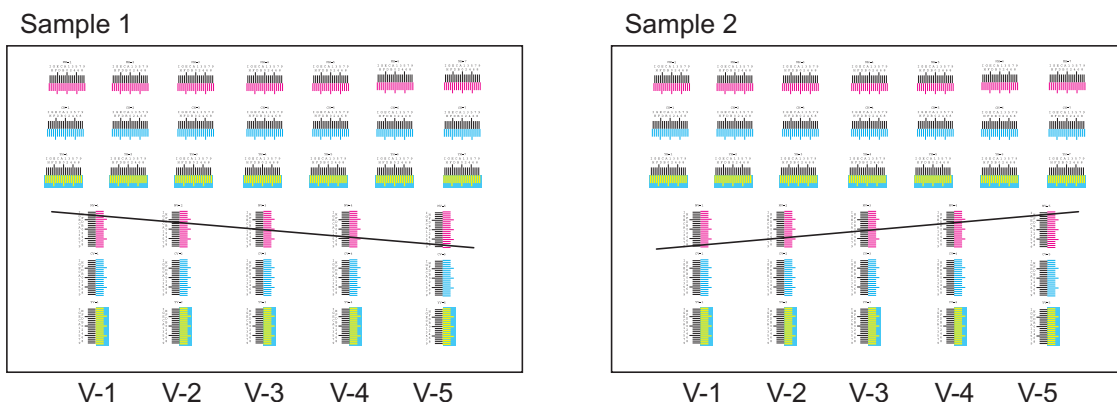


Figure 1-5-44

12. Open the front cover and then pull out the waste toner box tray (see page 1-5-13).
13. Remove three bandage labels.
14. Rotate the adjustment knob using a 5 mm hex wrench.
 - Direction of rotation
 - (V-1 - V-5) ≥ 2 scales (sample 1): rotate counterclockwise.
 - (V-1 - V-5) ≤ -2 scales (sample 2): rotate clockwise.
 - Number of rotation
 - (V-1 - V-5) x 4 clicks
15. Refit the waste toner box tray as before and then close the front cover.
16. Turn the main power switch off and on. Correction automatically starts.
17. Print a reference chart and verify the result.

Caution

After the adjustment for the angle of the mirror has been made, run the maintenance mode U464 (Calibration). (see page 1-3-148)

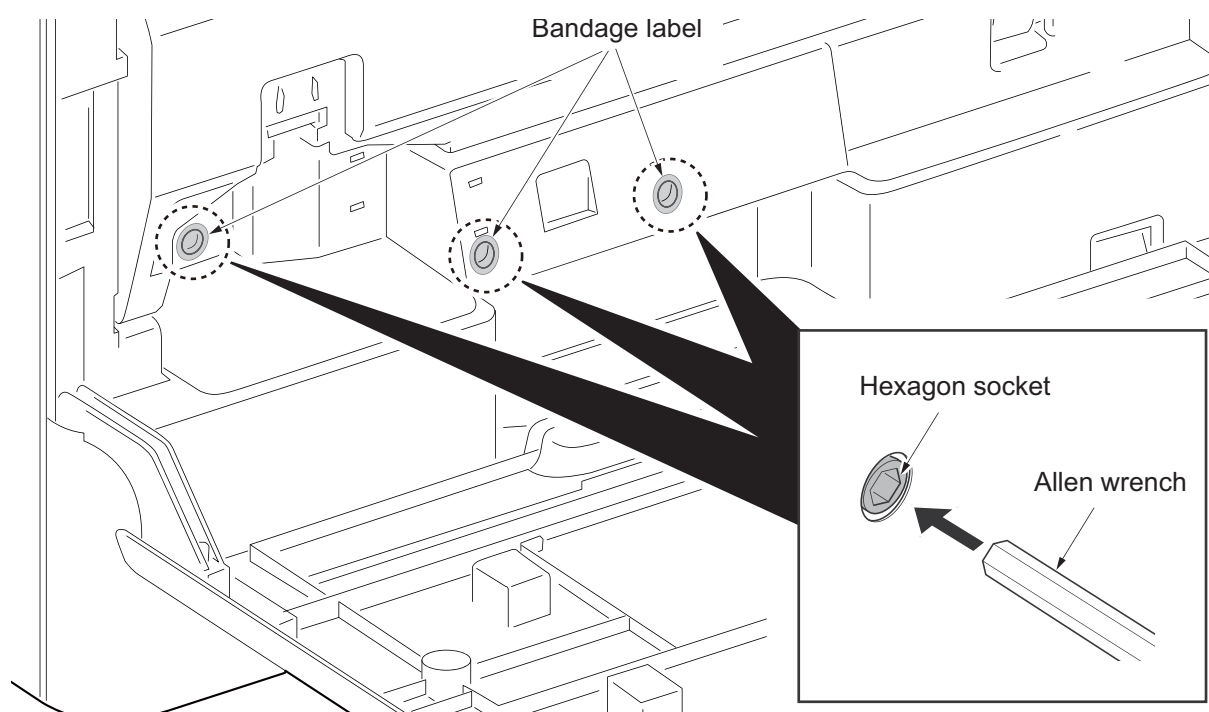


Figure 1-5-45

(4) Detaching and refitting the image scanner unit

Procedures

1. Remove two screws and then remove the scanner right cover.

ATTENTION: To reinstall the scanner right cover, position it close to the contact glass.

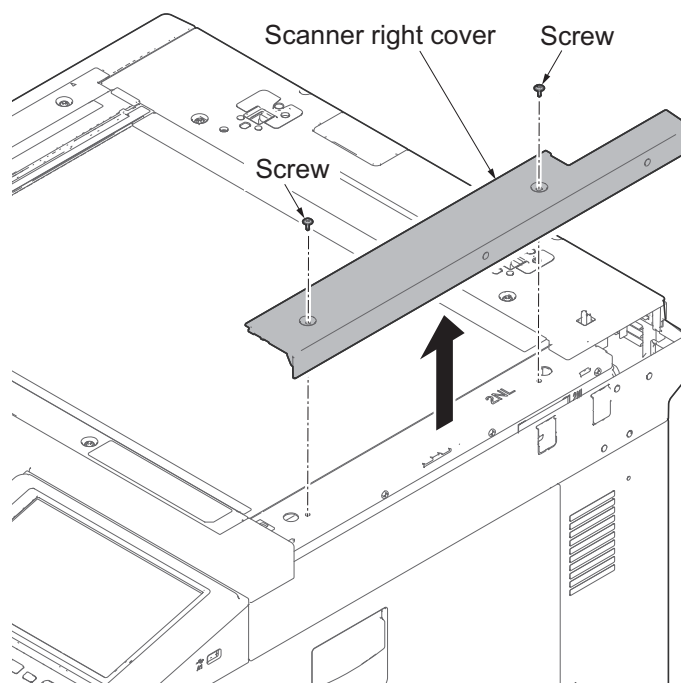


Figure 1-5-46

2. Remove the contact glass by pull rightward.

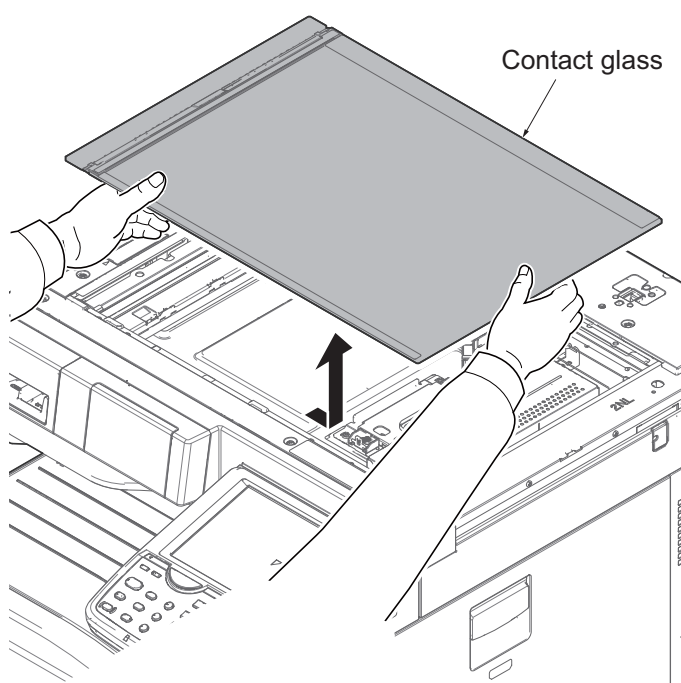


Figure 1-5-47

3. Remove five screws and then remove the scanner cover.

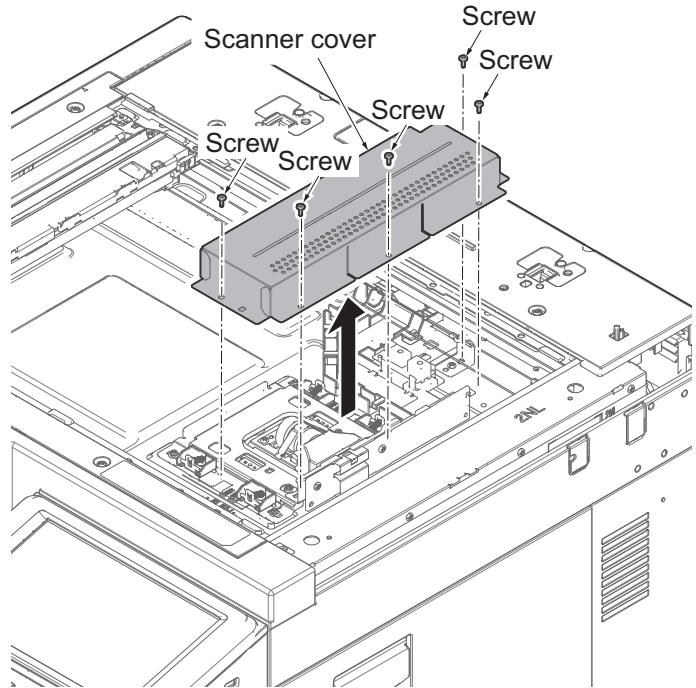


Figure 1-5-48

4. Remove the FFC and the connector.
5. Remove four screws and then remove the image scanner unit.

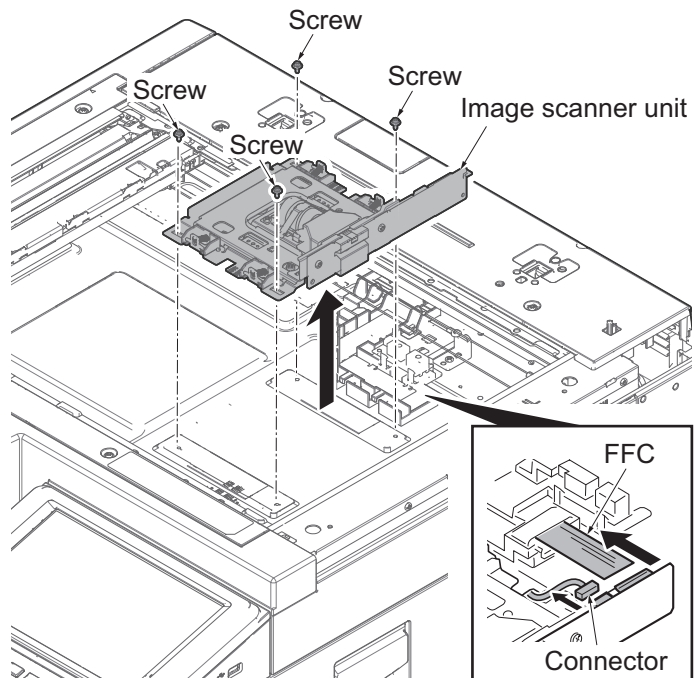


Figure 1-5-49

Refitting the ISU

6. When re-installation, fix the image scanner unit by matching to the scale of a former position.

When exchange, decide the fix position of ISU by the following.

The right and left of machine:

Confirm the number marked (a) and then match the line (c) of ISU to the positioning line (b) of same number on frame side.

(Line (c) is the one which is marked with the appropriate number.)

The rear and front of machine:

Match the edge (e) of ISU to the positioning line (d) on frame side.

7. Fix the ISU as before with four screws.
8. Check or replace the image scanner unit and refit all the removed parts.

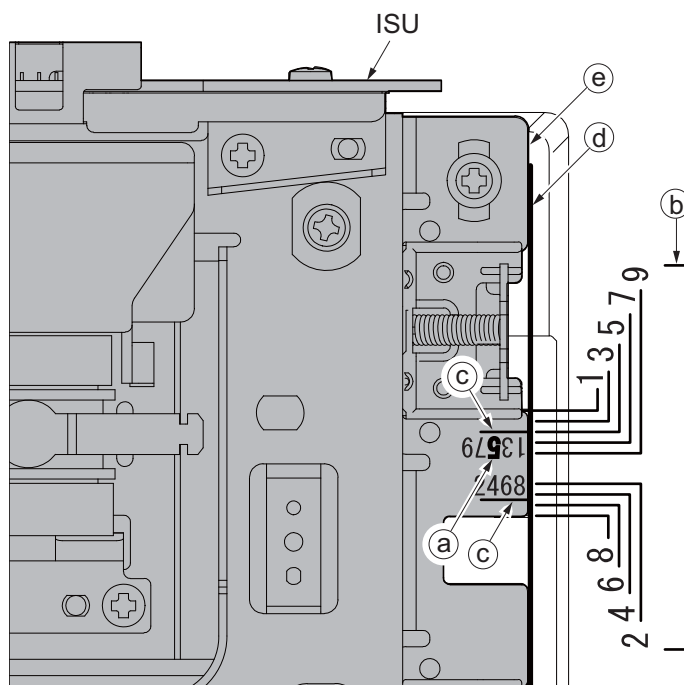


Figure 1-5-50

(5) Detaching and refitting the LED unit

Procedures

1. Remove the scanner right cover and contact glass.(See page 1-5-21)
2. Remove two screws and then remove the scanner rear cover.
3. Remove the rear cover.

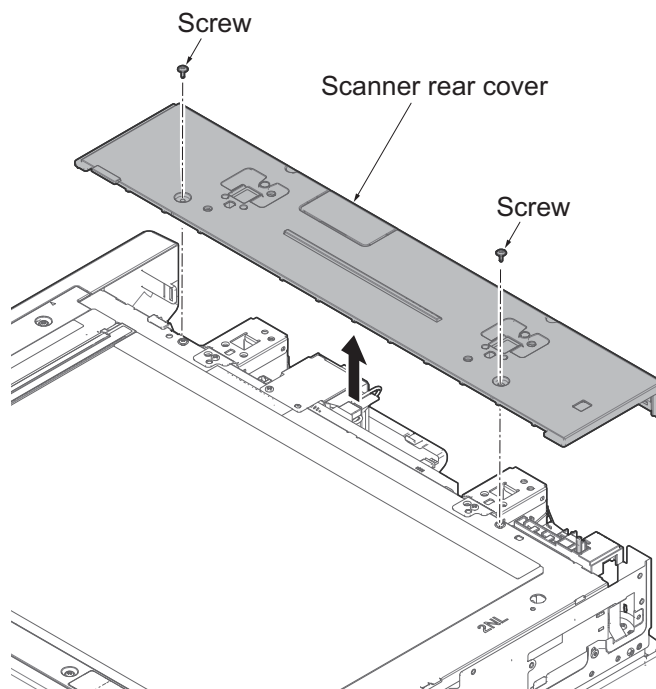


Figure 1-5-51

4. Remove two screws and remove the scanner front upper cover.

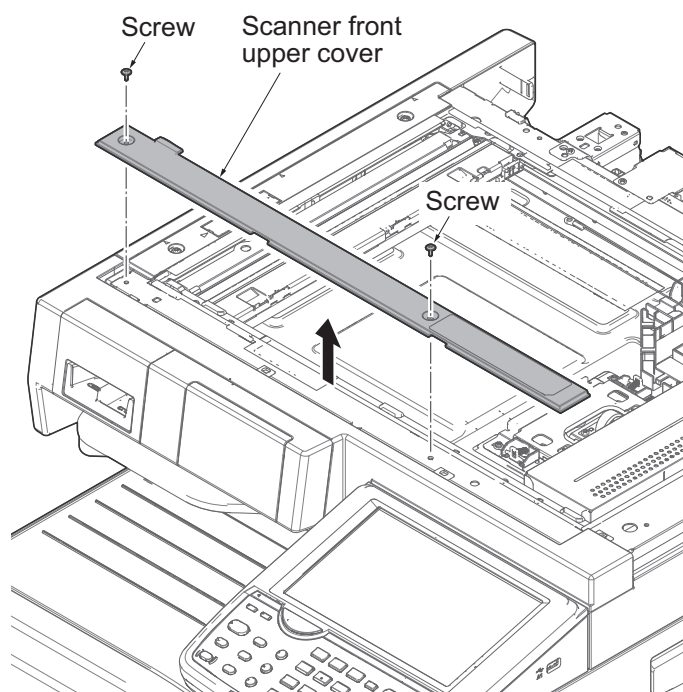


Figure 1-5-52

5. Move the exposure unit to the cutting lack part.
6. Peel off the sheet.
7. Release the hook and then remove the FFC cover.

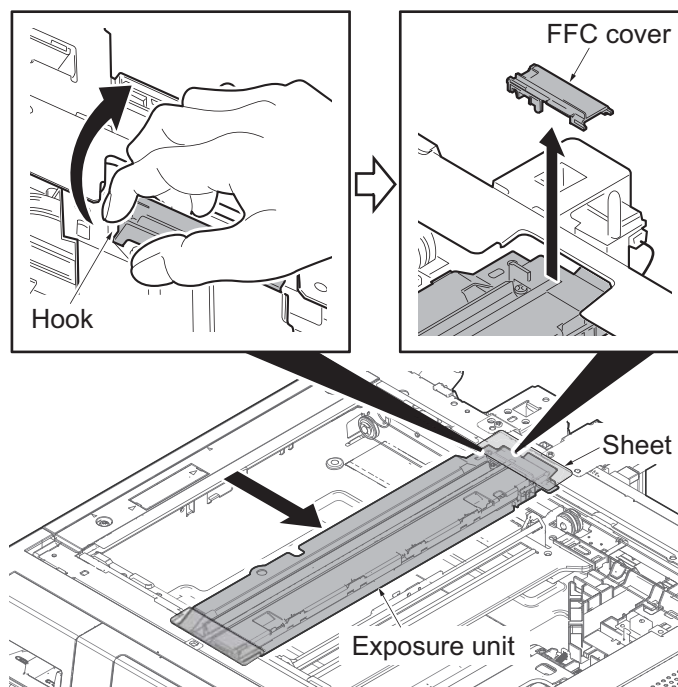


Figure 1-5-53

8. Remove the FFC from the connector.
9. Remove two screws and then remove the LED unit.
10. Check or replace the LED unit and refit all the removed parts.

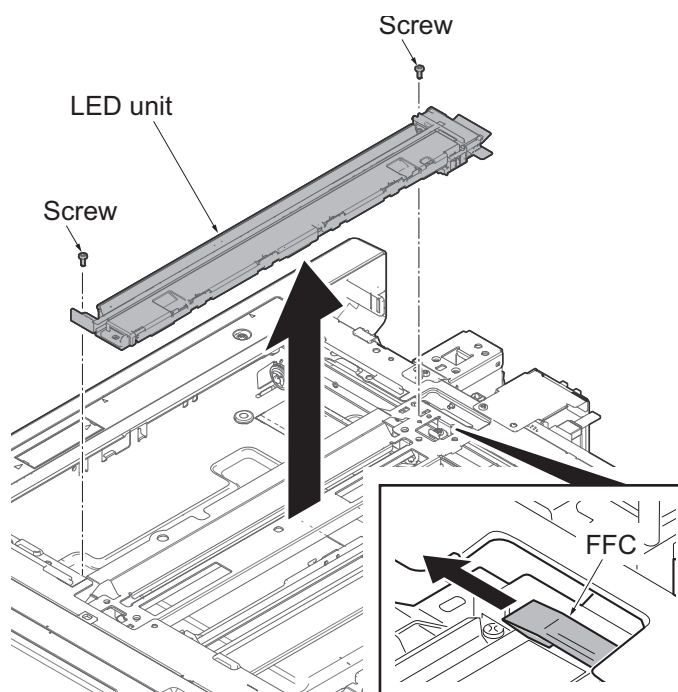


Figure 1-5-54

(6) The cautions at the time of movement of an exposure unit

Caution: When you move an exposure unit manually, carry out after removing the connector of a scanner motor.

An ISC PWB may be damaged with the back electromotive force of a scanner motor.

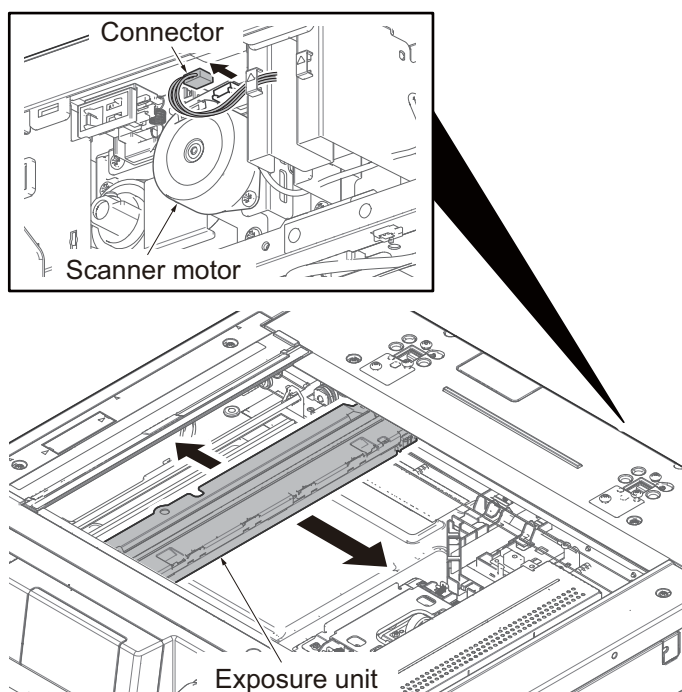


Figure 1-5-55

(7) Detaching and refitting the scanner wires

Follow the Procedures below when the scanner wires are broken or to be replaced.

(7-1) Detaching the scanner wires

Procedures

1. Remove the scanner unit.
(see 1-5-45)
2. Remove the two screws.
3. Remove the scanner left cover and the contact glass assy.

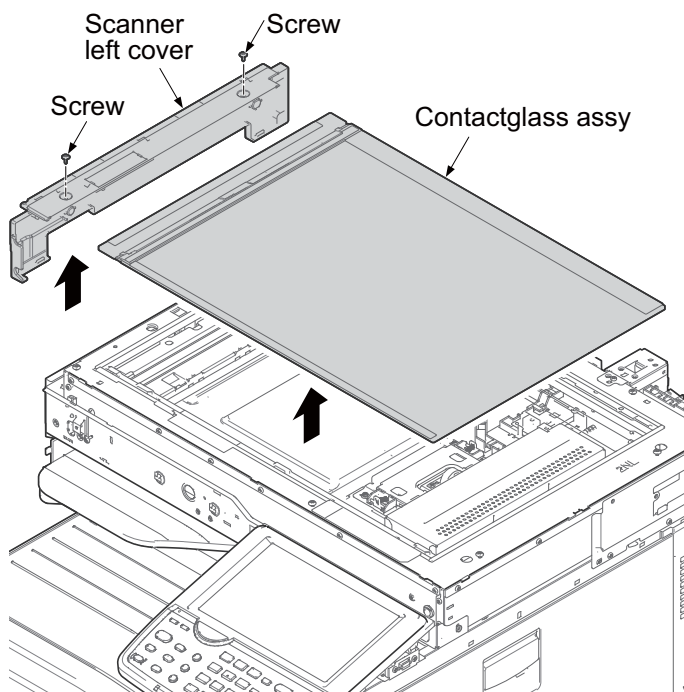


Figure 1-5-56

4. Move the exposure unit to the cutout portion.
5. Peel off the sheet.
6. Release the hook and then remove the FFC cover.

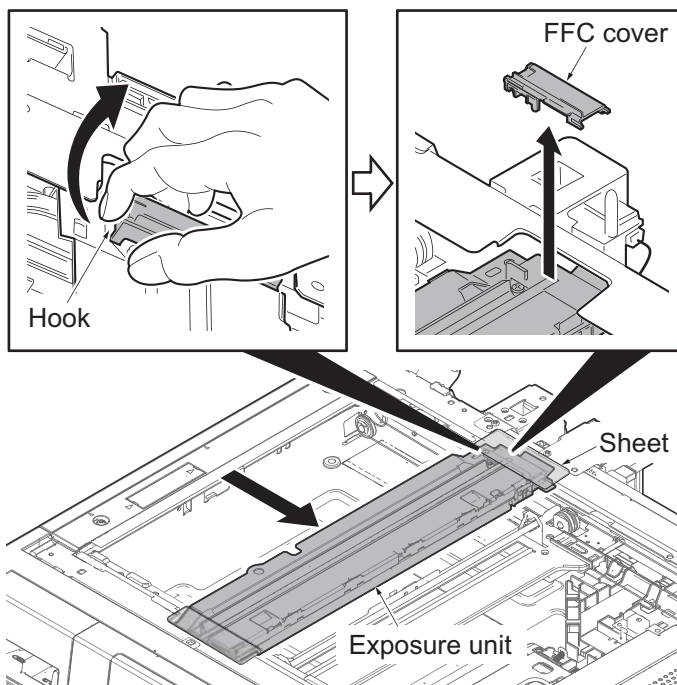


Figure 1-5-57

7. Remove the FFC from the connector.
8. Remove the two screws and then remove the LED unit.

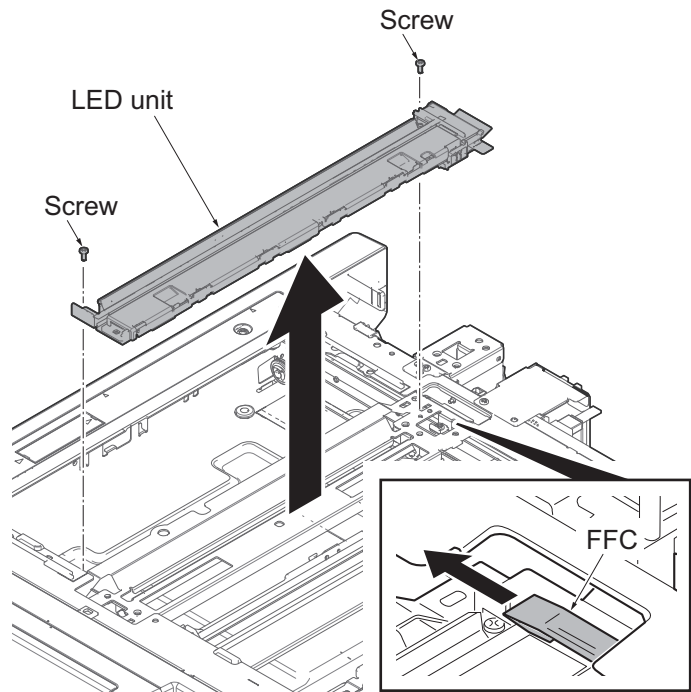


Figure 1-5-58

9. Remove each screw and remove the front and rear wire holder plates.
10. Remove the mirror frame 1 from the scanner unit.

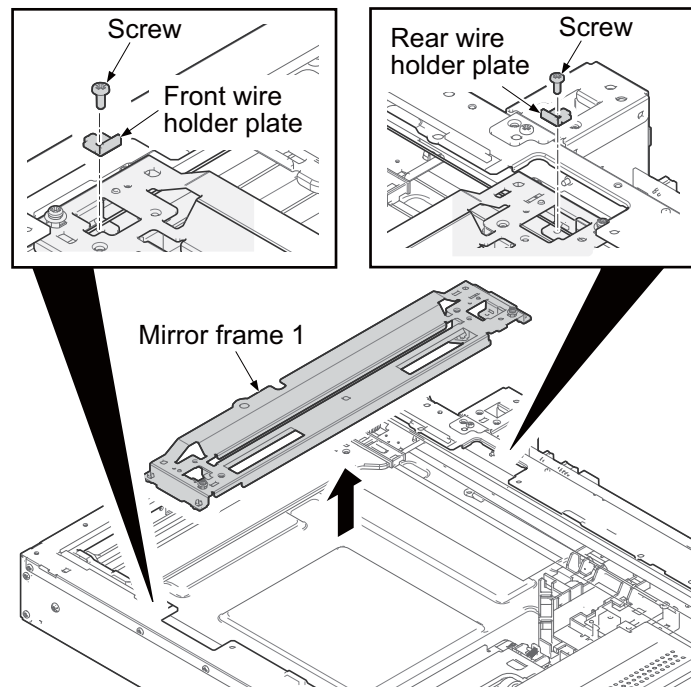


Figure 1-5-59

11. Remove the scanner wire springs from the hooks.
12. Remove the scanner wires.

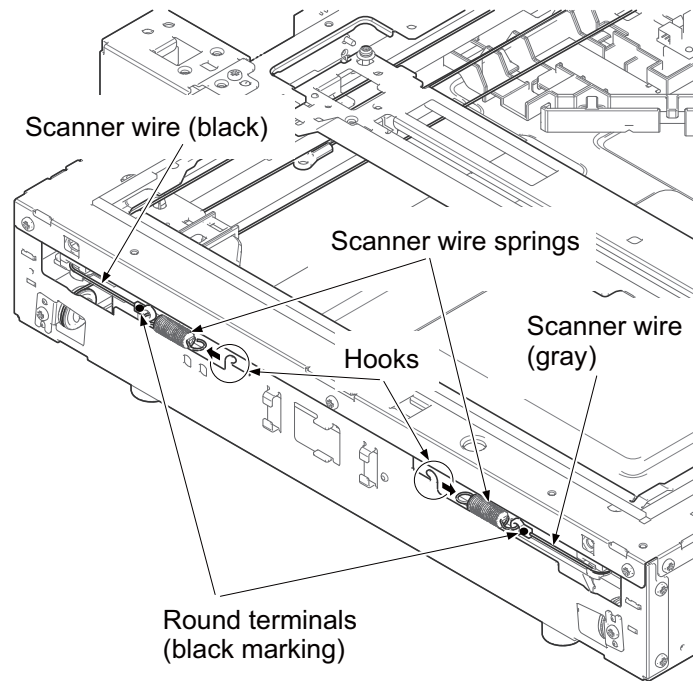


Figure 1-5-60

(7-2) Fitting the scanner wires

NOTE

When fitting the wires, be sure to use those specified below.

Machine front: (P/N: 302K317150), gray

Machine rear: (P/N: 302K317140), black

Fitting requires the following tools

Two frame securing tools (P/N 302FZ17100)

Two scanner wire stoppers (P/N 35968110)

Procedures

1. Remove the screw and remove the scanner wire drum gear.
2. Remove the stop ring and bush from the front of the scanner wire drum shaft.
3. Remove the scanner wire drum shaft from the scanner unit.

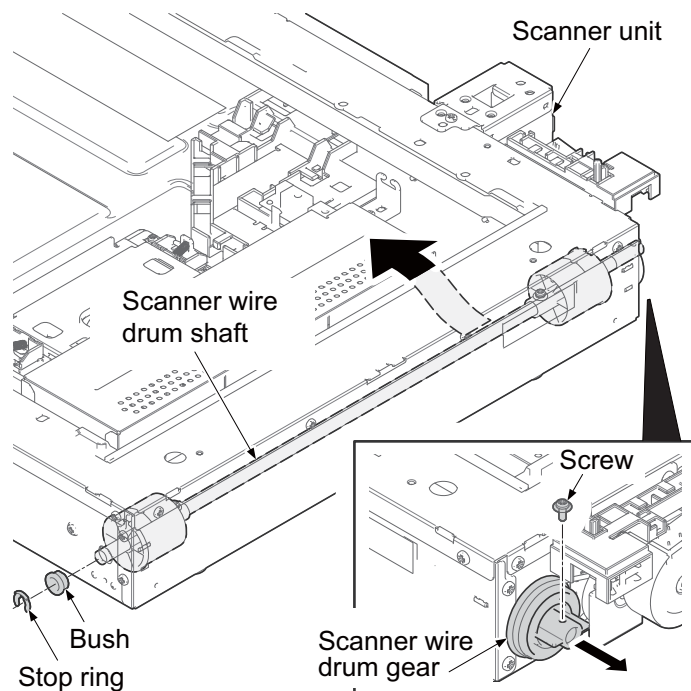


Figure 1-5-61

4. Insert the locating ball of each scanner wire into the hole in the respective scanner wire drum and wind the scanner wire three turns inward and four turns outward.
With the locating ball as the reference point, wind the shorter end of each of the wires outward.
5. Secure the scanner wires using the scanner wire stoppers.

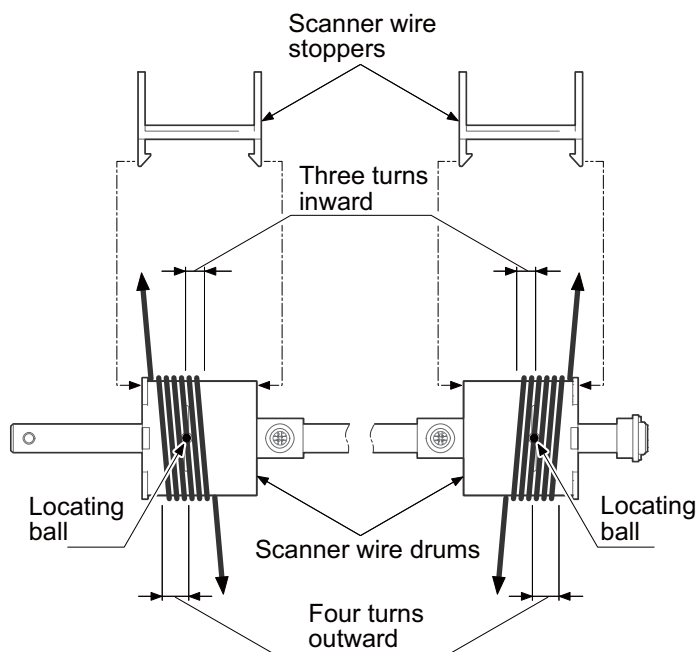


Figure 1-5-62

6. Refit the scanner wire drum shaft to the scanner unit.
7. Insert the two frame securing tools into the positioning holes at the front and rear of the scanner unit to fix the mirror frame 2 in position.

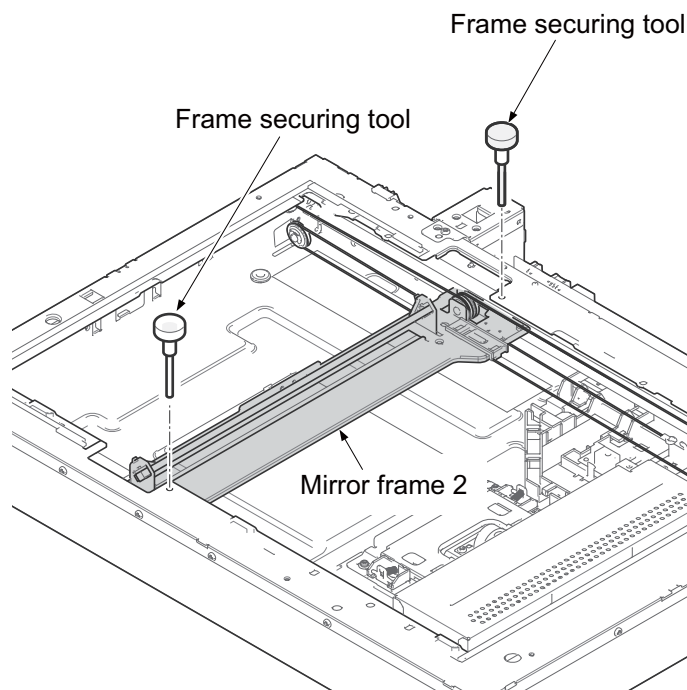


Figure 1-5-63

8. Wind the outer scanner wires around the outside grooves in the pulleys of the mirror frame 2 from above to below.(1)
9. Hook the round terminals to the catches inside the scanner unit.(2)
10. Wind the inner scanner wires around the grooves in the pulleys at the left of the scanner unit from below to above.(3)
11. Wind the scanner wires around the inside grooves in the pulleys of the mirror frame 2 from below to above.(4)
12. Wind the scanner wires around the grooves in the pulleys at the left of the scanner unit.....(5)
13. Hook the round terminals to the scanner wire springs.(6)

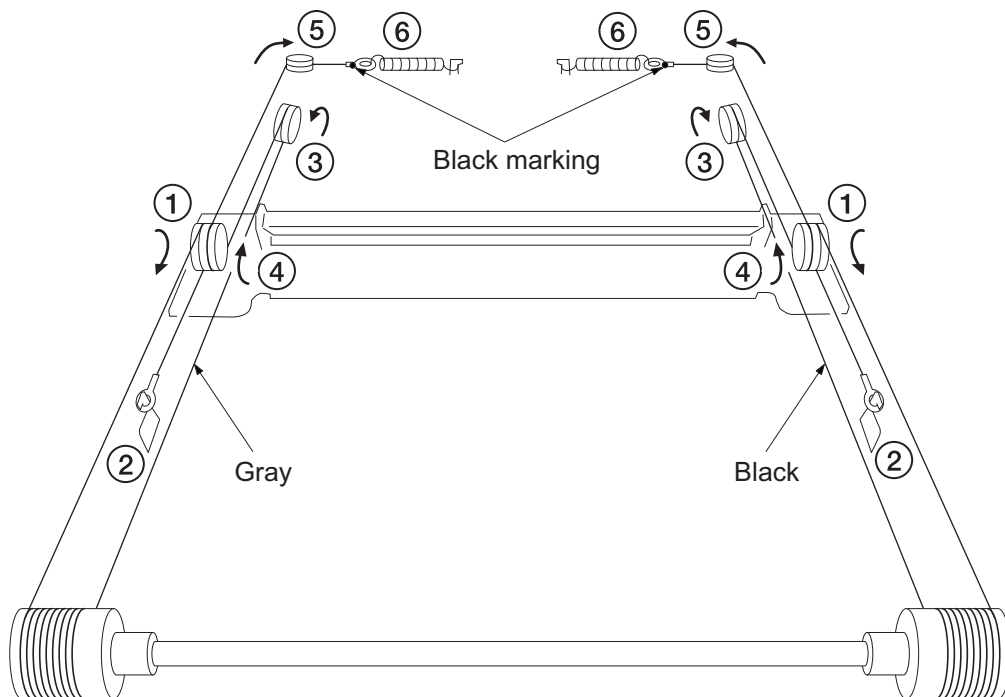


Figure 1-5-64

14. Remove the two scanner wire stoppers and the two frame securing tools.
15. Move to center the portion of the locating ball in the scanner wire drum, and the scanner wires to inside.
16. Move the mirror frame 2 from side to side in order to correctly locate the wires in position.
17. Refit the mirror frame 1.
18. Move the mirror frame 1 and 2 to the left side of the machine, and insert the two frame securing tools into the positioning holes at the front and rear of the scanner unit to secure the frames in position.
19. Hold the wires and fix each front and rear wire holder plate to the mirror frame 1 with the screw.
20. Remove the two frame securing tools.
21. Refit all the removed parts.

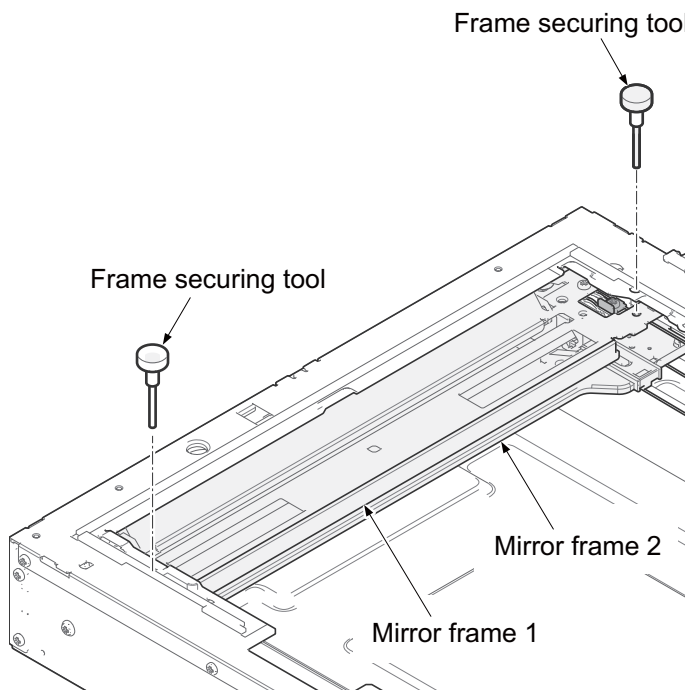


Figure 1-5-65

1-5-10 PWBs

(1) Detaching and refitting the main PWB

Procedures

1. Remove the rear cover.
(See page 1-5-4)
2. Release the wire saddle and the guide hook and then remove the connector from the DP relay PWB.
3. Remove the screw and remove the DP connector mounting plate.

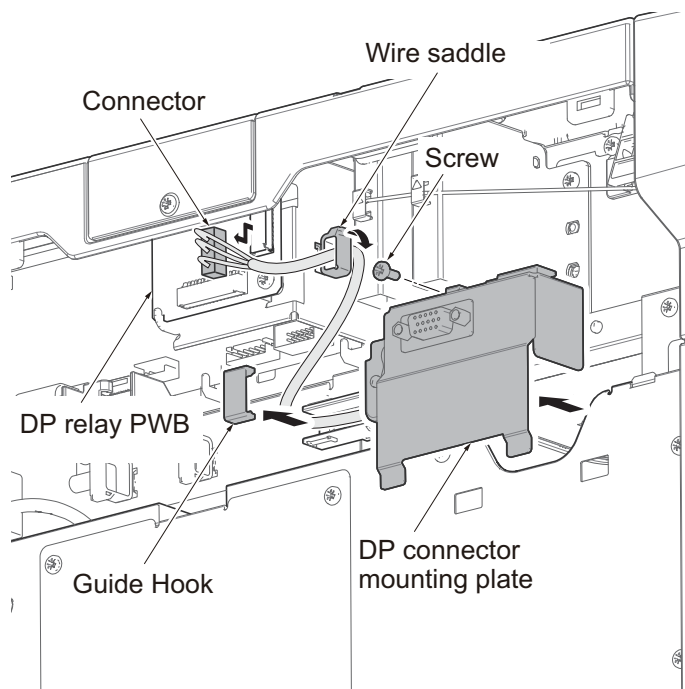


Figure 1-5-66

4. Remove eight screws and remove the controller box cover.

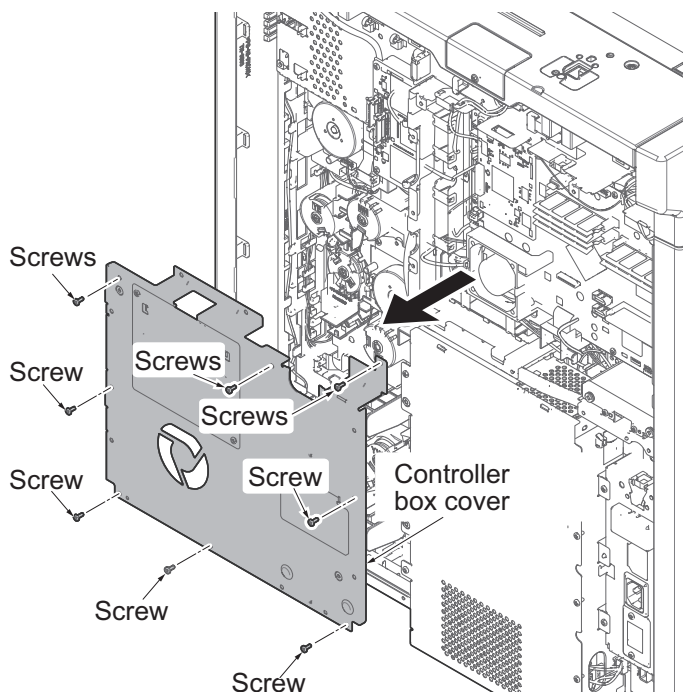


Figure 1-5-67

5. Release the wires from the edging and two wire saddles.
6. Remove five guide hooks.

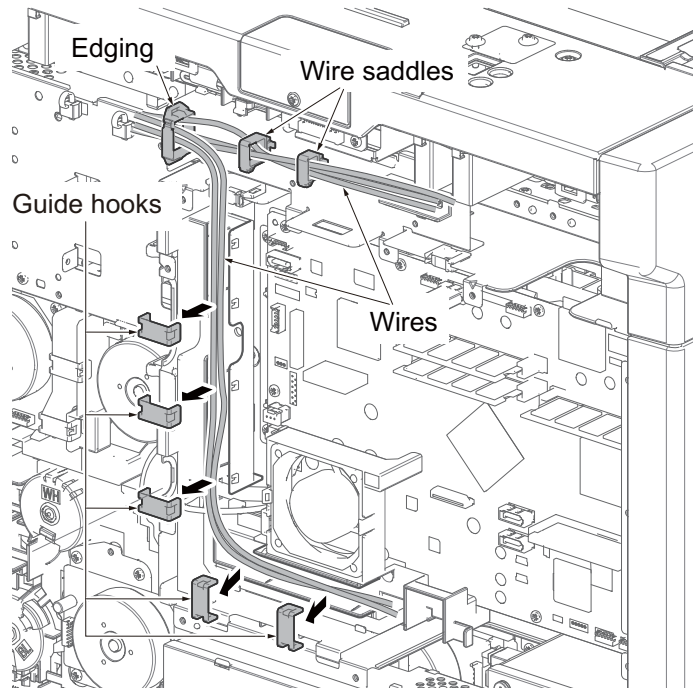


Figure 1-5-68

7. Remove all connectors and FFC from the main PWB.
8. Remove the wire guide and the controller fan motor.
9. Remove nine screws and then remove the main PWB.
10. Check or replace the main PWB and refit all the removed parts.

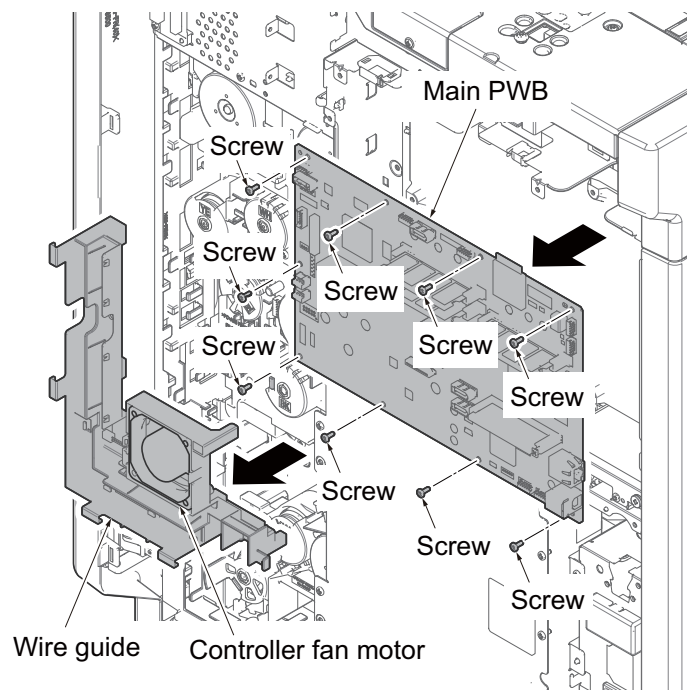


Figure 1-5-69

(1-1) Remarks on main PWB replacement

When replacing the main PWB, remove the EEPROM (YC14) and DIMM (YS1,YS3) from the main PWB that has been removed and then reattach it to the new main PWB.

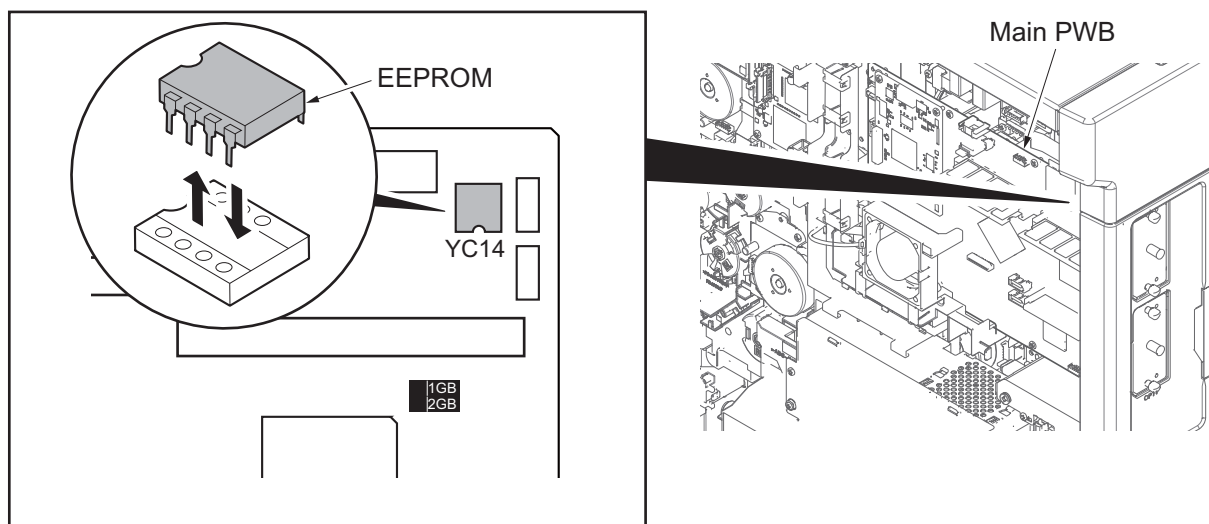


Figure 1-5-70

When refitting DIMM, Refit them to the original positions.

* : YS1 :1GB YS3 :2GB To avoid mounting a wrong memory chip, identify the memory by its label.

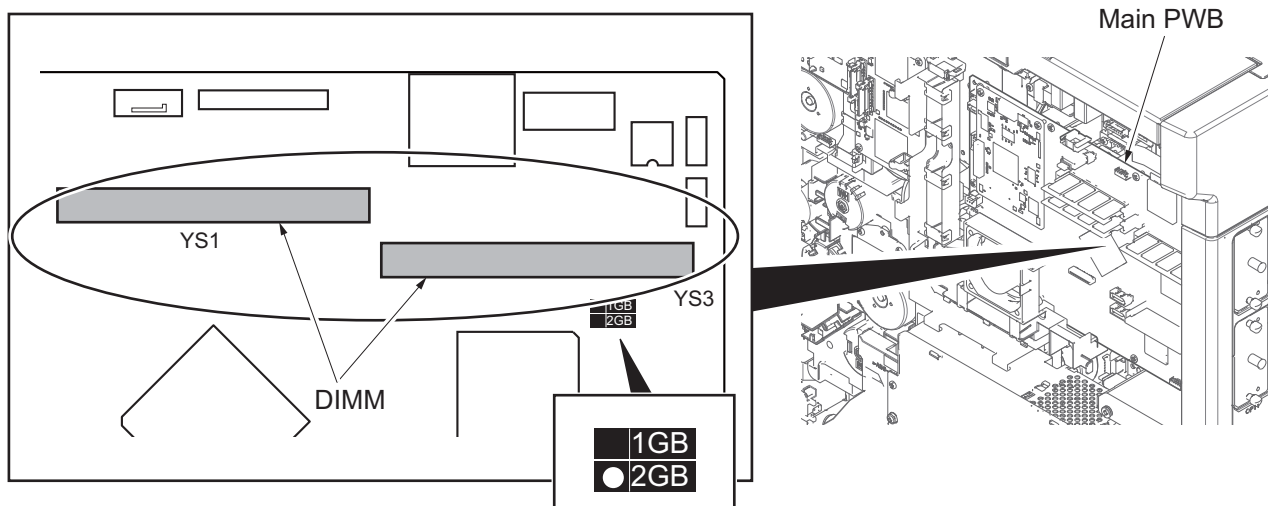


Figure 1-5-71

If the main PWB was replaced with a service supplied part, perform the following.

1. Insert the USB flash device in which an upgrade pack of the latest firmware or the Main/MMI/Browser and Dictionary Jpn (excluding Language) were copied, into the slot on the machine and turn power on. (see page 1-6-1).
2. After the main-circuit PWB has been replaced, perform U026 to restore backed-up data.
 - *: Do not replace the main-circuit PWB and the HDD at the same time. (Otherwise, the settings retained by U026 in the HDD will not become restorable.)
 - *: Referring to the U000 maintenance report printed previously, enter the following values.
 - U278 Setting the delivery date
 - U402 Adjusting margins of image printing
 - U952 Maintenance mode workflow
 - *: Since the U952 settings are not printed on the maintenance report, perform U952 to register settings again.

3. Reset machine settings.(Resets system menu settings modified at setup to their defaults.)

Main items for settings

[Date/Timer] - Date/Time settings

[Date/Timer] - Timer settings (Sleep timer)

[Edit Destination] - One-touch presetting

[User/Job accounting] - Defaults for user authentication and job accounting only.

Resettings are not required as the data are stored in harddisk.

*: If the IP address has been changed to a printer name in printer settings, set the IP address again.

Procedures to be followed after the EEPROM on the main PWB has been replaced

1. Run U004 – model number entry.

The C0130 (mismatching model number) is displayed when the device is powered up after its EEPROM has been replaced. Restore the counter values and serial number that are stored in the engine EEPROM.

2. Referring to the maintenance report that was printed using U000 at setup, set the following maintenance modes:

1) U252 - Setting the destination

2) U265 - Setting OEM purchaser code

3. Run the following maintenance mode for image adjustment:

1) U410 – Adjusting the halftone automatically

When connecting the hard disk cables (YC1, YC2) to the PWB, match "BLACK" and "BLUE" marked on the PWB with the connector colors.

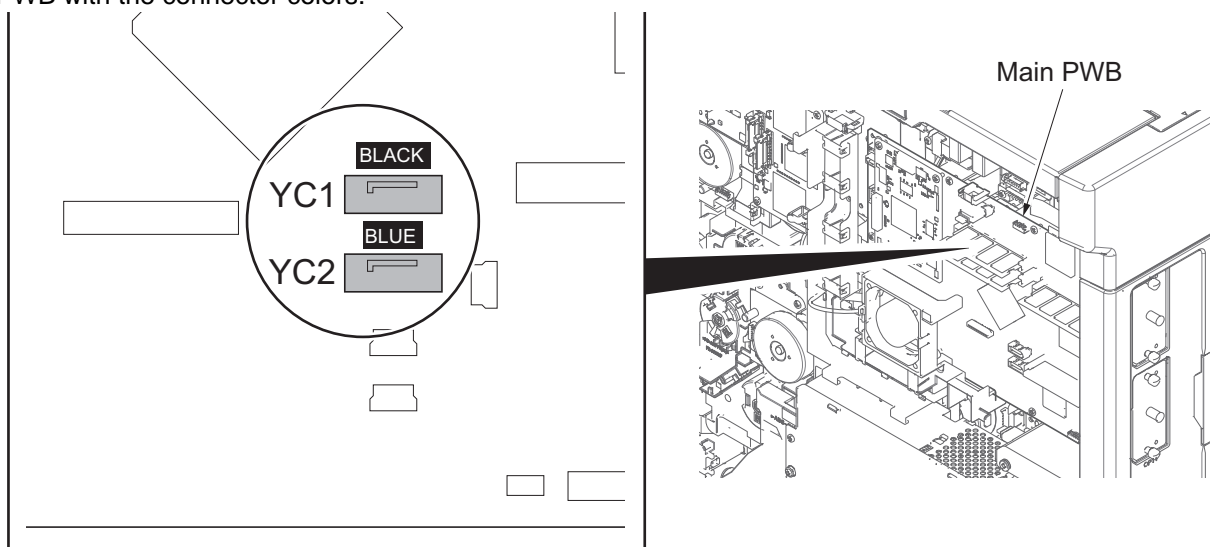


Figure 1-5-72

When connecting the USB cables (YC21, YC22, YC26) to the PWB, connect to the connectors which the cable length match.

(Connecting to any connector is satisfactory.)

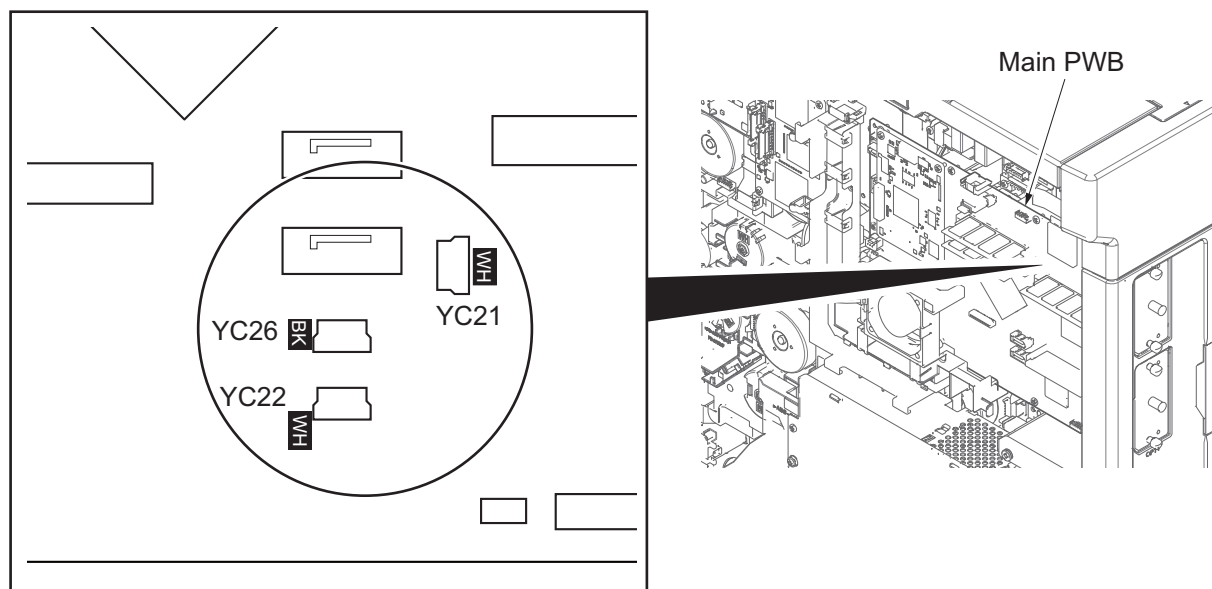


Figure 1-5-73

Detaching of EEPROM

1. The flat screwdriver is inserted between EEPROM and socket.
2. Detach it little by little right and left and alternately while noting the transformation and the damage of the pin.

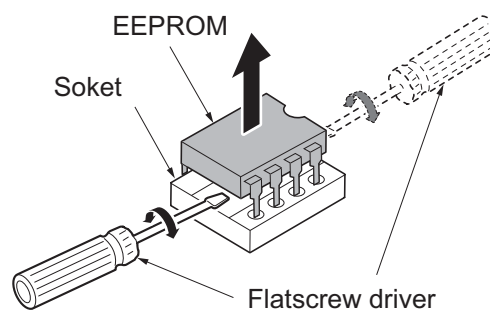


Figure 1-5-74

(2) Detaching and refitting the engine PWB

Procedures

1. Remove the main PWB.(See page 1-5-4)
2. Remove the connector from the ISC PWB.
3. Remove the wires by releasing three wire saddles.

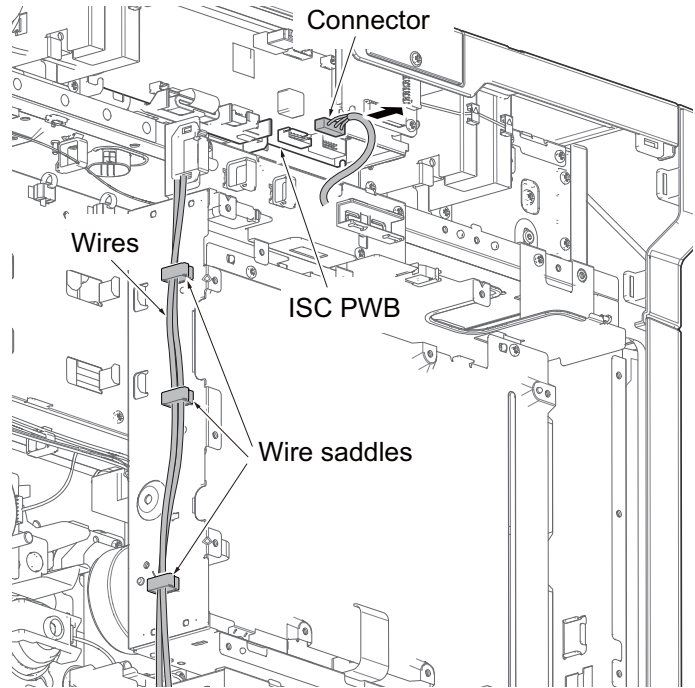


Figure 1-5-75

4. Remove six screws.
5. Pull the left lower cover upwards and release four hooks.
6. Remove the left lower cover.

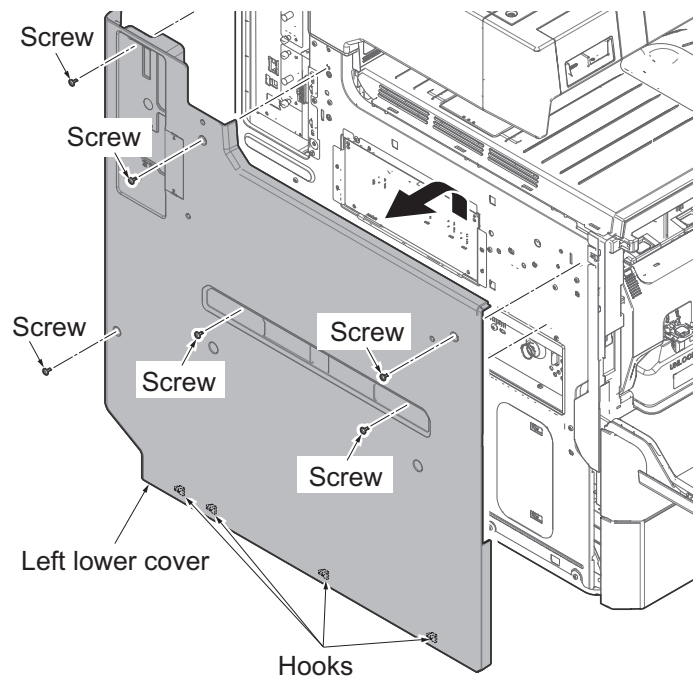


Figure 1-5-76

- Remove nine screws and then remove the controller box.

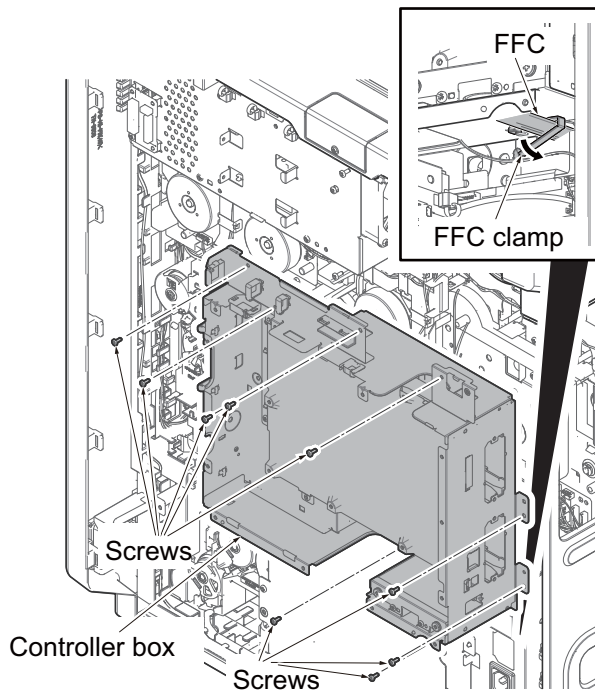


Figure 1-5-77

- Remove three wire saddles A.
- Release the wires from the wire saddle B.
- Remove all connectors and FFC from the engine PWB.
- Remove four screws and then remove the engine PWB.
- Check or replace the engine PWB and refit all the removed parts.

CAUTION: When replacing the engine PWB, remove the EEPROM (U15) from the engine PWB that has been removed and then reattach it to the new engine PWB.

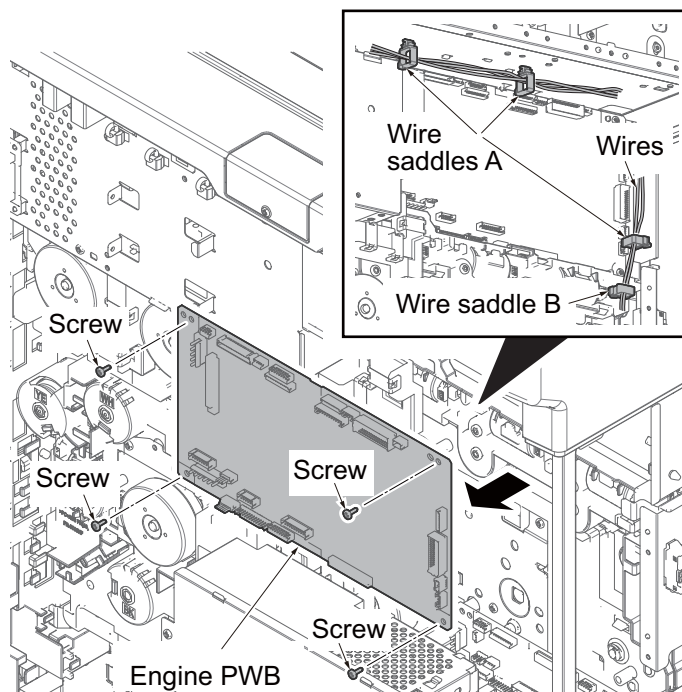


Figure 1-5-78

(2-1) Remarks on engine PWB replacement

NOTE: When replacing the PWB, remove the EEPROM (YS1) from the PWB and then reattach it to the new PWB.

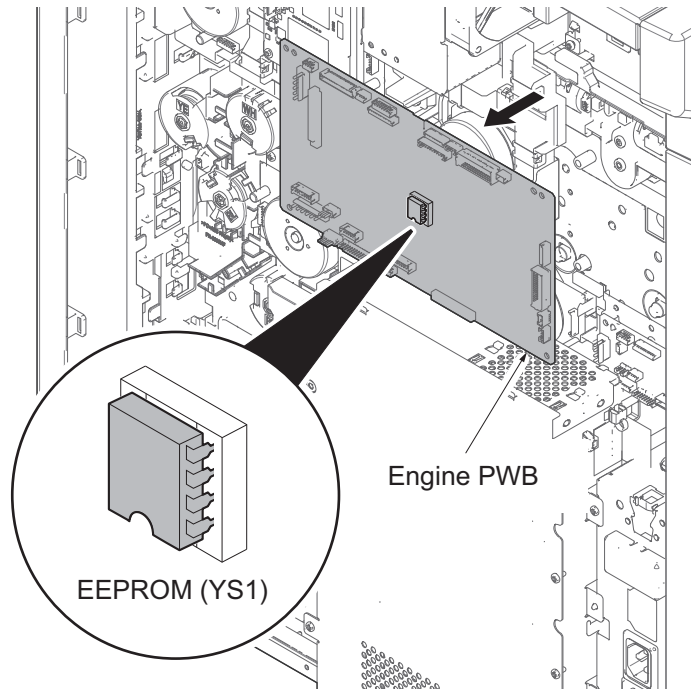


Figure 1-5-79

Detaching of EEPROM

1. The flat screwdriver is inserted between EEPROM and socket.
2. Detach it little by little right and left and alternately while noting the transformation and the damage of the pin.

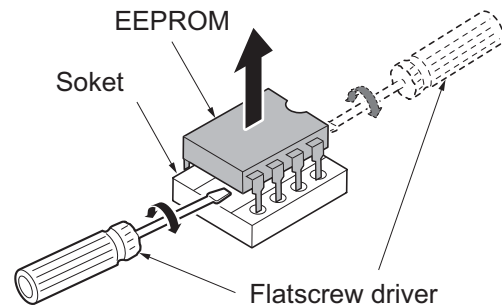


Figure 1-5-80

(3) Detaching and refitting the high voltage PWB

Procedures

1. Remove the inner tray.
(See page1-5-5)
2. Remove the eject rear cover.
(See page1-5-7)
3. Release two hooks and then remove the tray left cover.

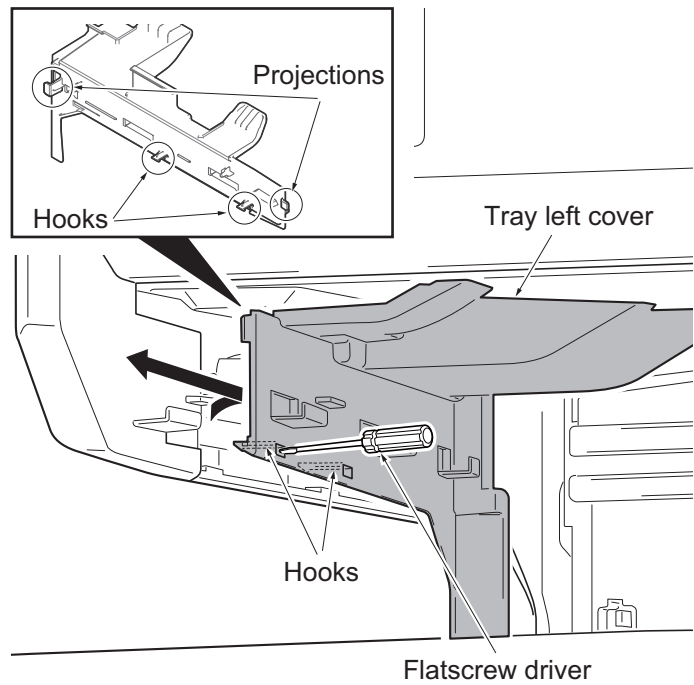


Figure 1-5-81

4. Remove the left upper cover by sliding it backward.

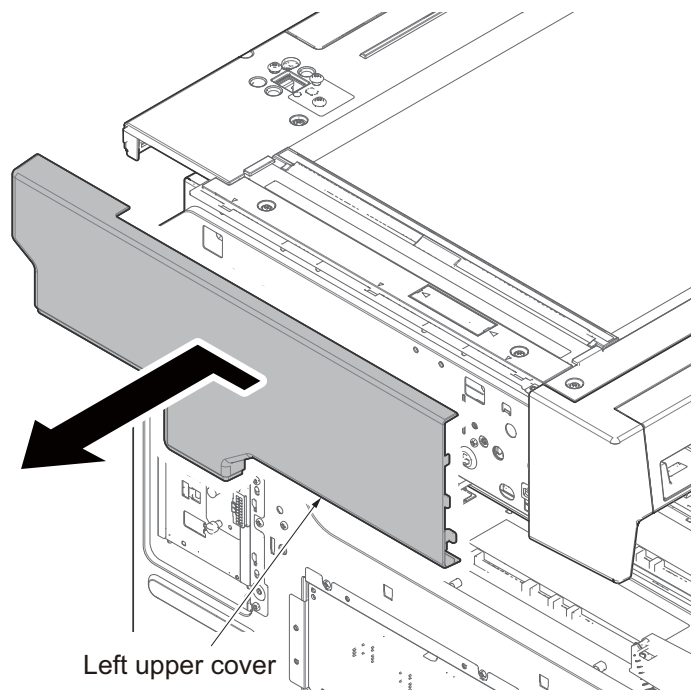
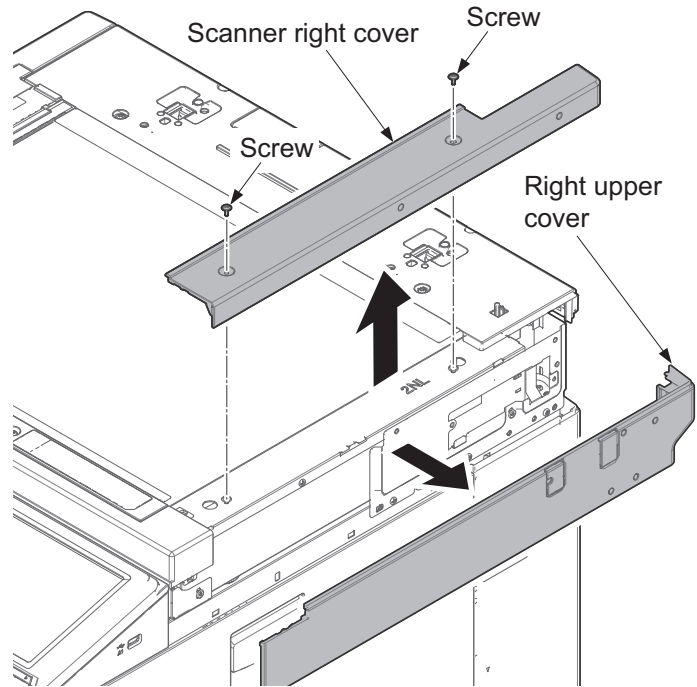
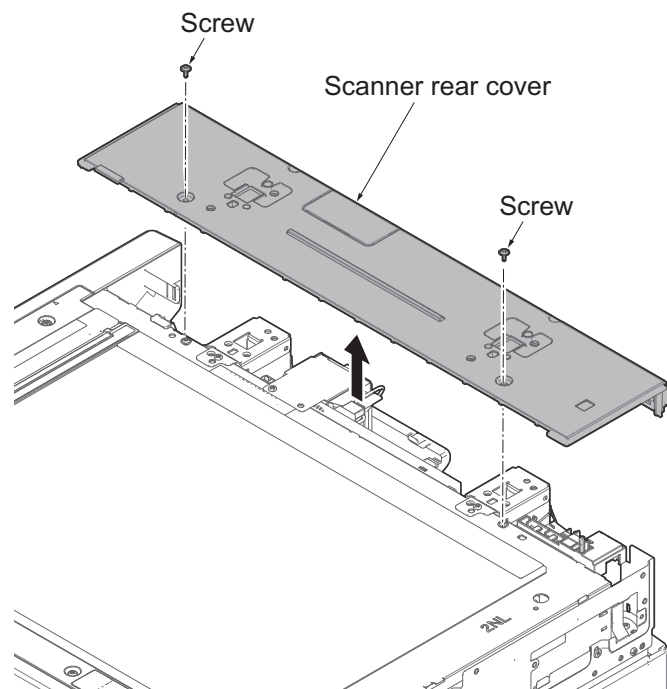


Figure 1-5-82

5. Remove the fuser unit.
(See page1-5-17)
6. Remove two screws and scanner right cover.
7. Remove the right upper cover.

**Figure 1-5-83**

8. Remove two screws and scanner rear cover.

**Figure 1-5-84**

9. Remove two screws and scanner front upper cover.

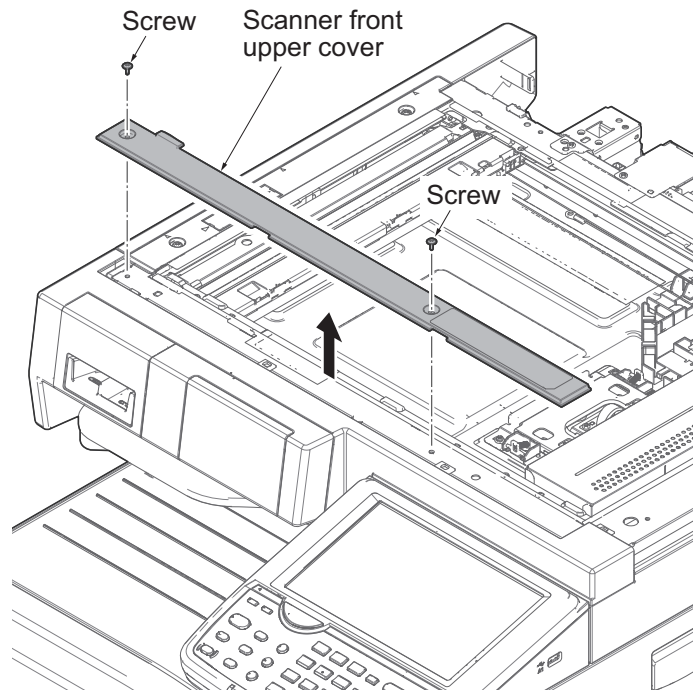


Figure 1-5-85

10. Remove the staple holder.
11. Remove the screw and the staple cover.

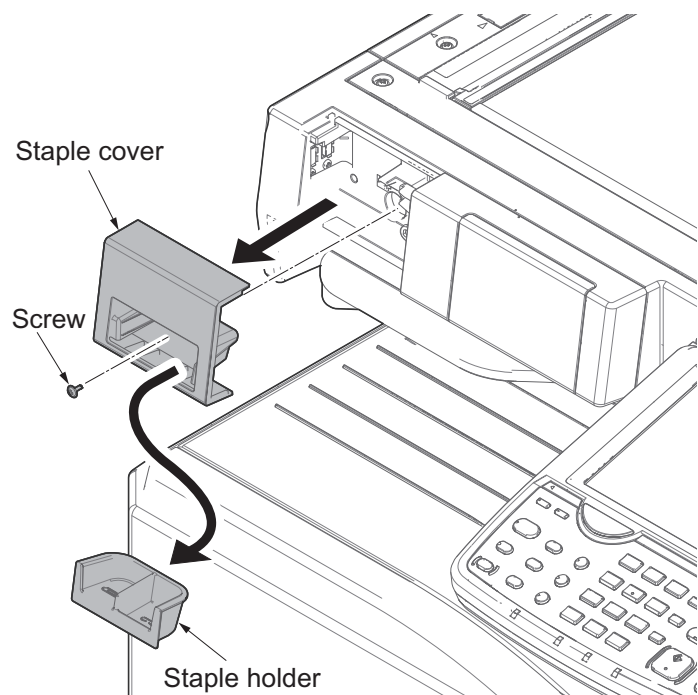


Figure 1-5-86

12. Release the lock part and then remove the upper cover B by sliding it to the left.

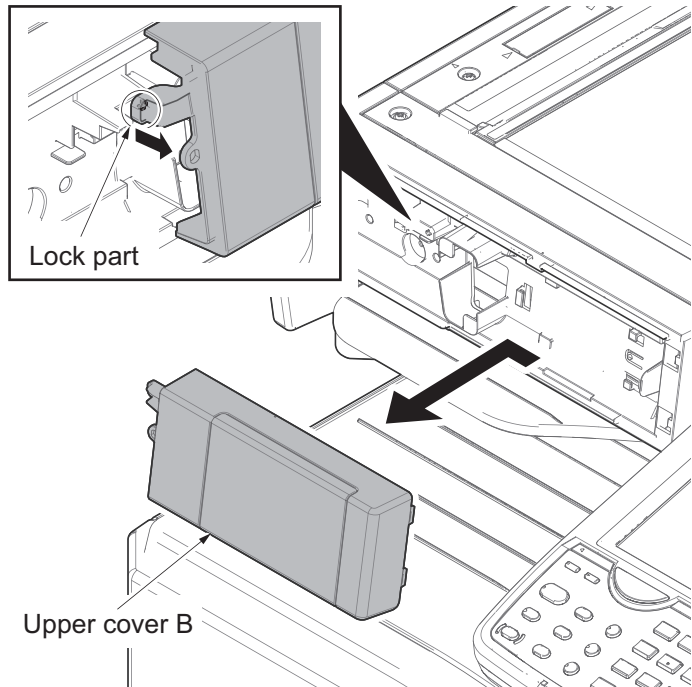


Figure 1-5-87

13. Remove two screws and then remove the operation panel lower cover.

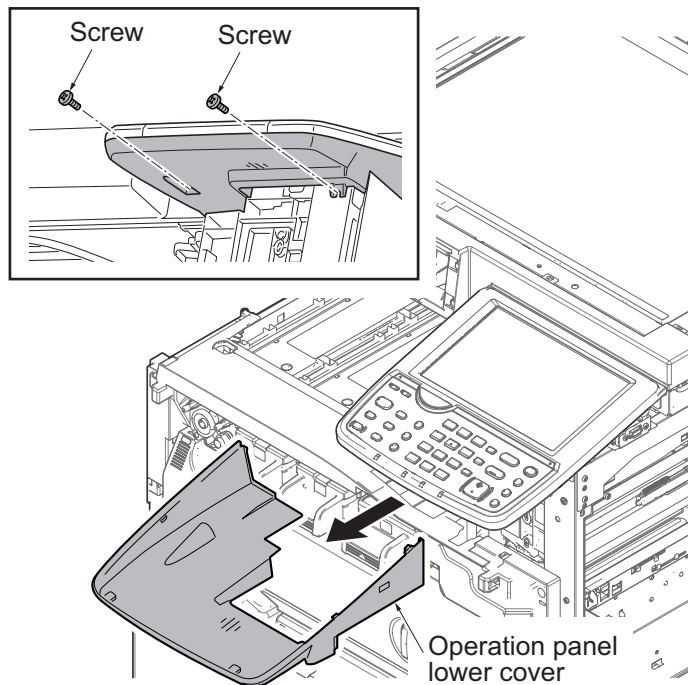


Figure 1-5-88

14. Remove four screws from the operation panel upper unit.

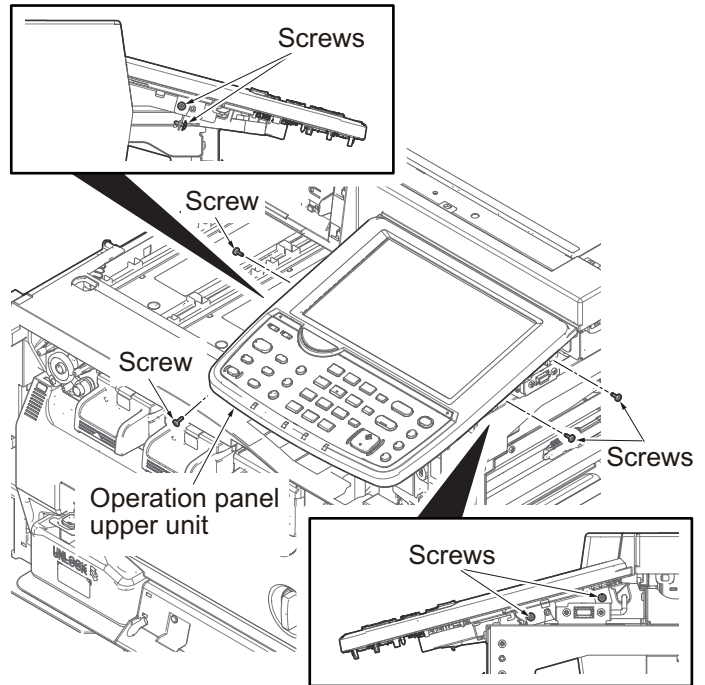


Figure 1-5-89

15. Remove the ISU front cover.

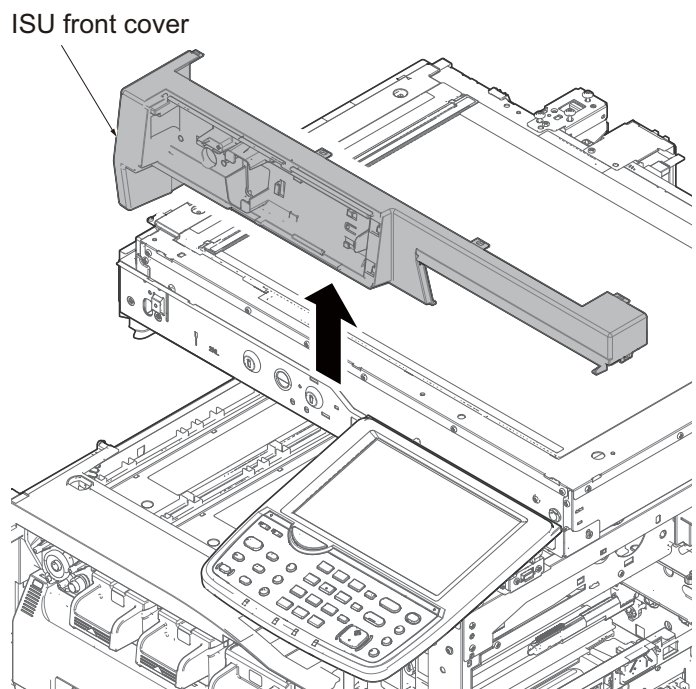


Figure 1-5-90

16. Remove the connector from the DP relay PWB and release the wire from the wire saddle.
17. Remove two screws and the mount board of DP relay PWB.
18. Remove three connectors from the ISC PWB.

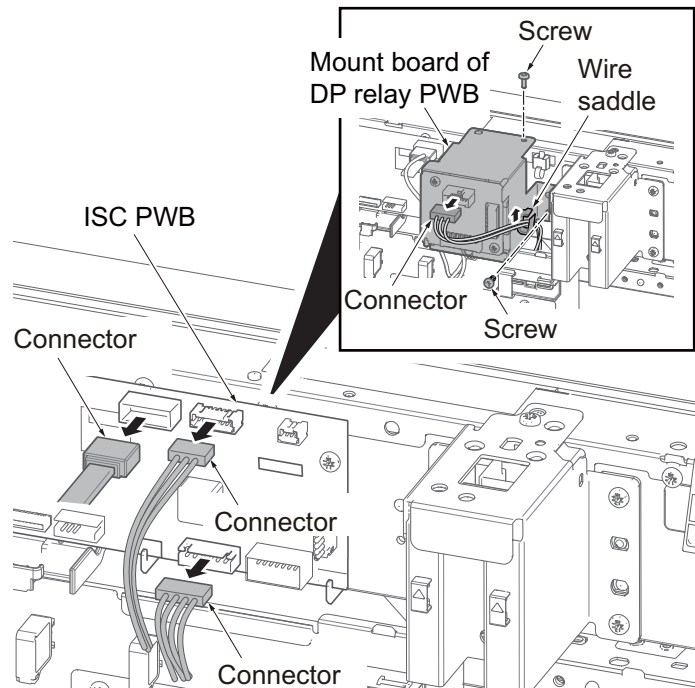


Figure 1-5-91

19. Remove four screws and then remove the image scanner unit upward.

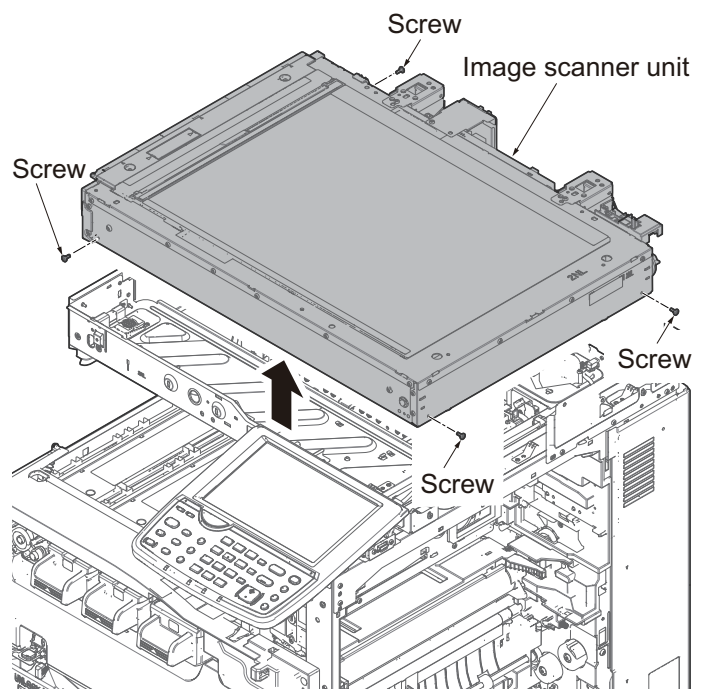


Figure 1-5-92

20. Remove two screws from the eject unit.
21. Slide the eject unit to the right.

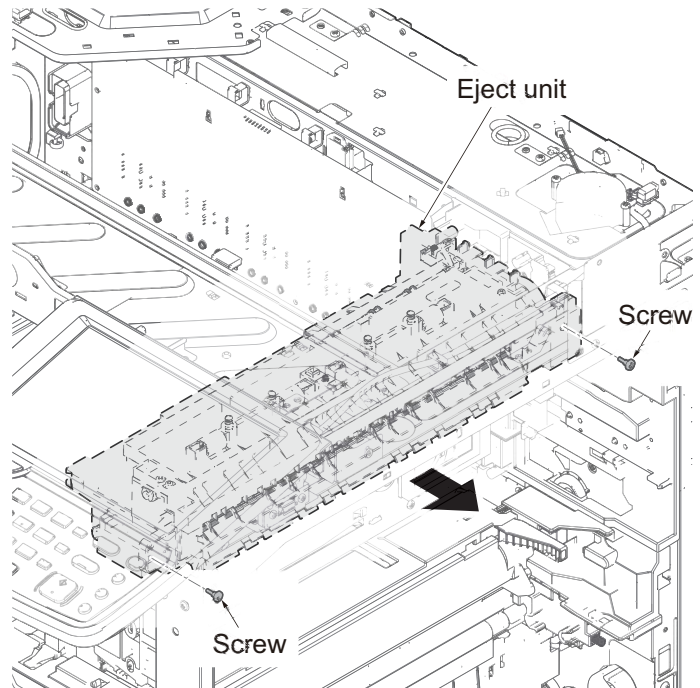


Figure 1-5-93

22. Remove six screws.
23. Release four hooks by sliding the high voltage PWB upward.

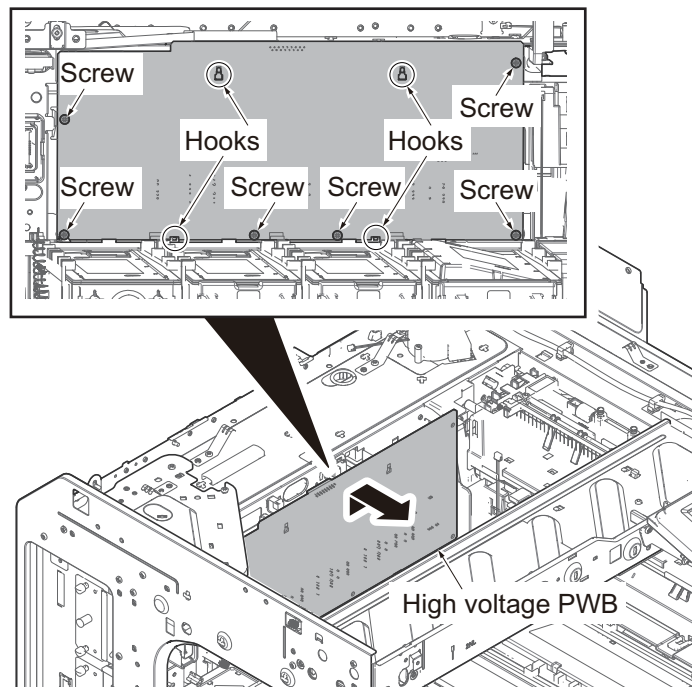


Figure 1-5-94

24. Remove two connectors from the high voltage PWB.
25. Remove the high voltage PWB.
26. Check or replace the high voltage PWB and refit all the removed parts.

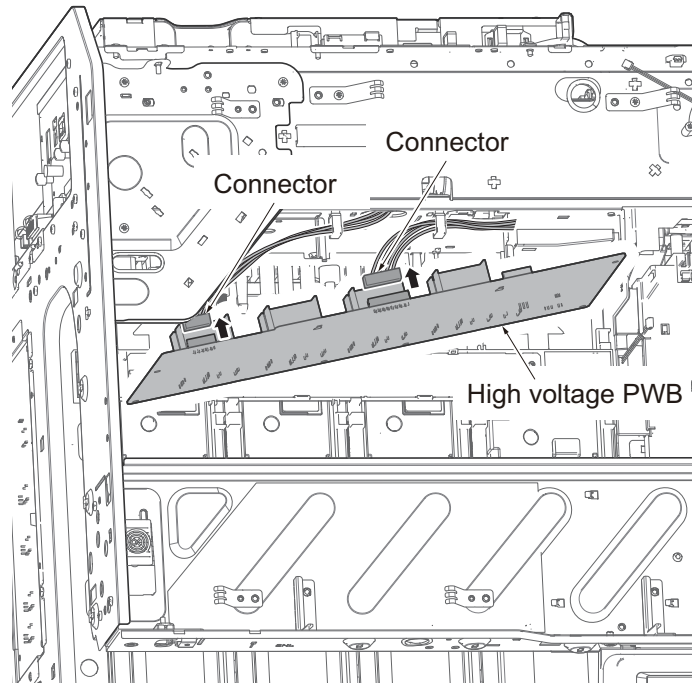


Figure 1-5-95

(4) Detaching and refitting the power source PWB

Procedures

1. Remove the rear cover.
(See page 1-5-4)
2. Remove seven screws and then remove the power source box cover.

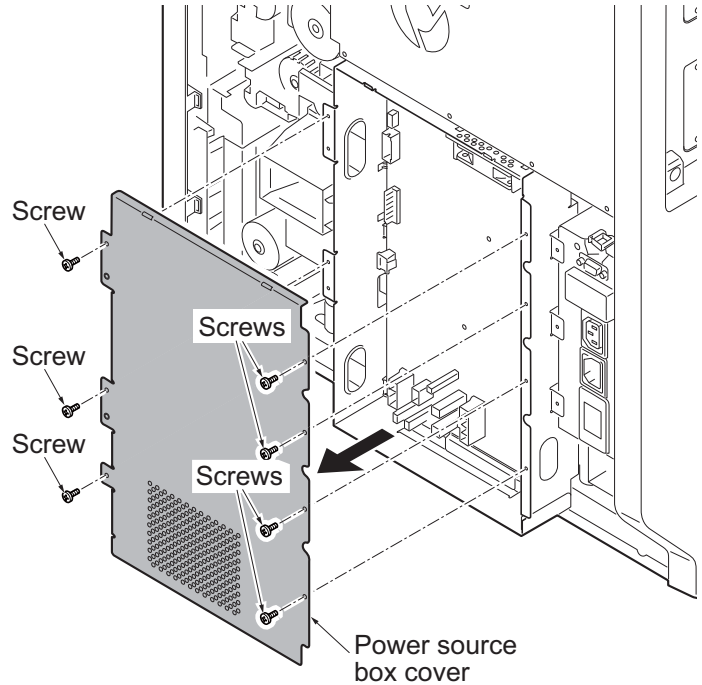


Figure 1-5-96

3. Remove all connectors from the power source PWB.
4. Remove eight screws and then remove the power source PWB.
5. Check or replace the power source PWB and refit all the removed parts.

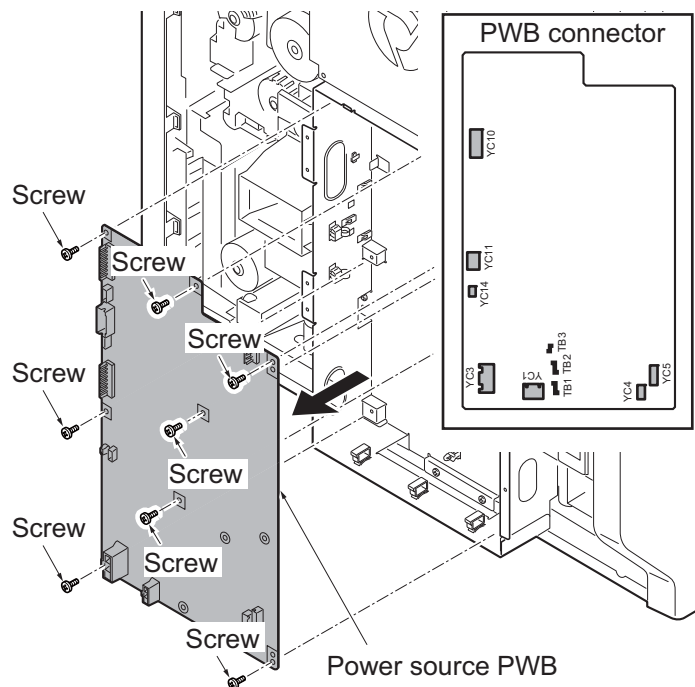


Figure 1-5-97

(5) Detaching and refitting the operation panel PWB main

Procedures

1. Open the front cover.
2. Open the right cover1.
3. Remove the front upper cover.
4. Remove two screws and then remove the operation panel lower cover.

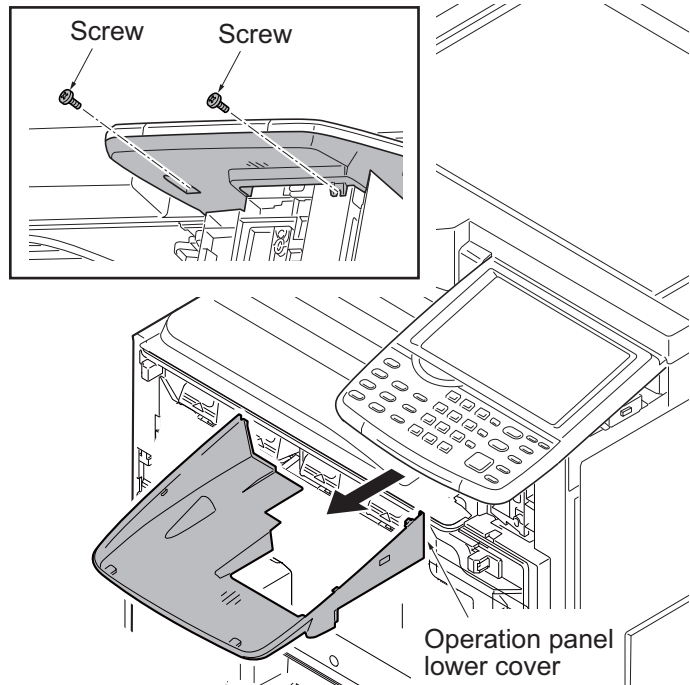


Figure 1-5-98

5. Remove four screws and then rotate the operation panel upper unit.

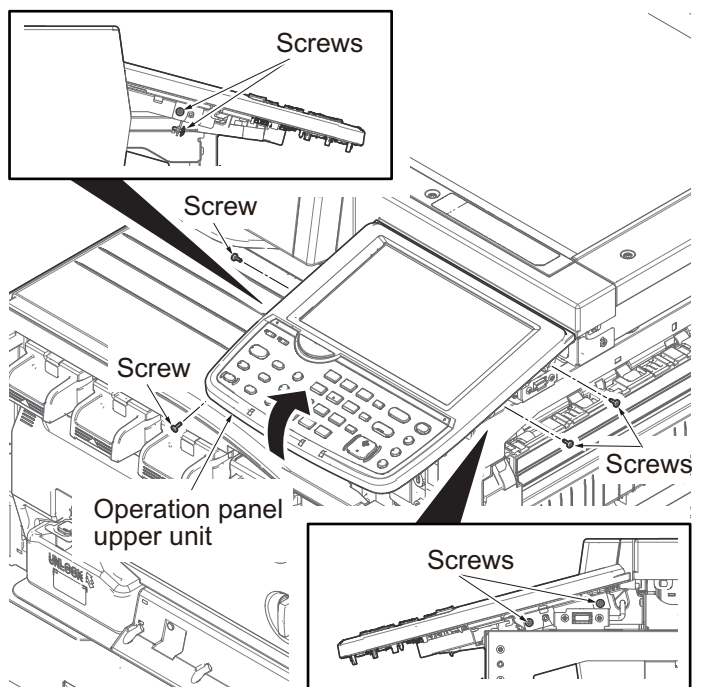


Figure 1-5-99

6. Remove three connectors from the operation panel PWB main.
7. Remove the operation panel upper unit.

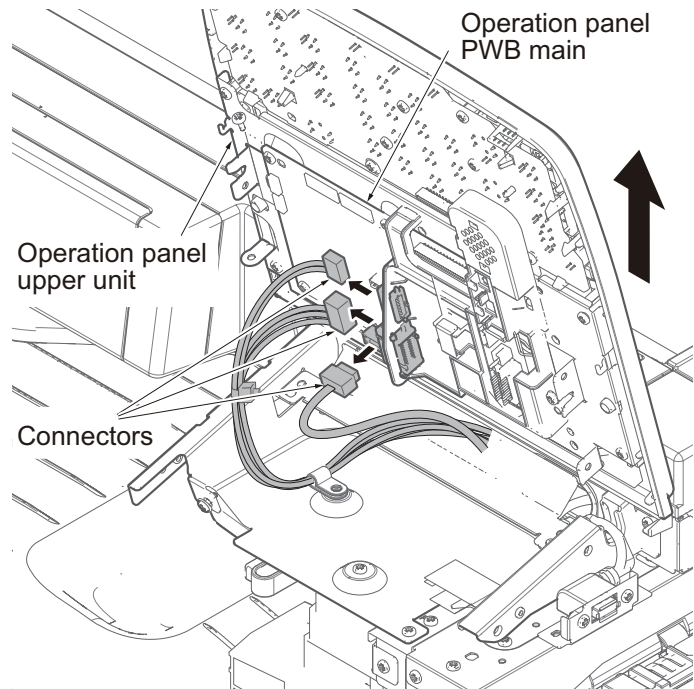


Figure 1-5-100

8. Remove three connectors from the operation panel PWB main.
9. Remove a screw and then remove the wire guide from the operation panel upper unit.

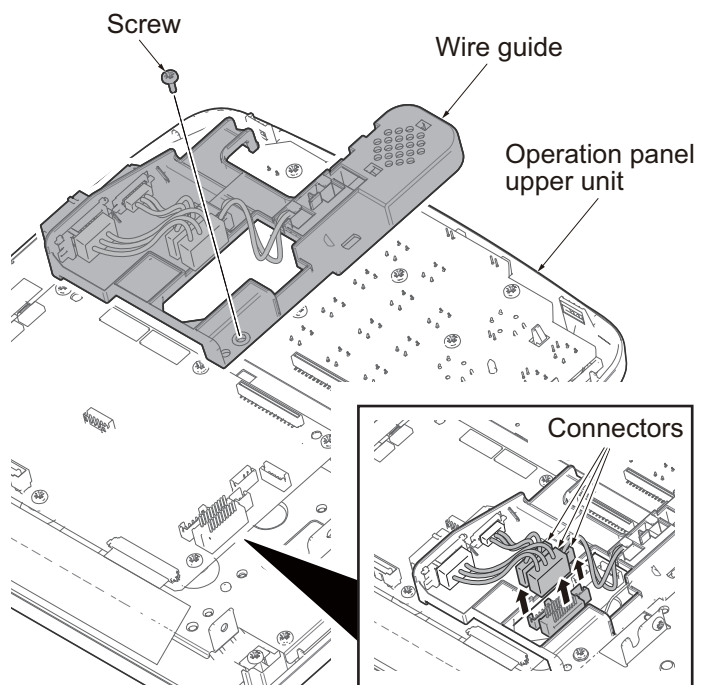


Figure 1-5-101

10. Remove all connectors and FFC from the operation panel PWB main.
11. Remove six screws and remove the operation panel PWB main.
12. Check or replace the operation panel PWB main and refit all the removed parts.

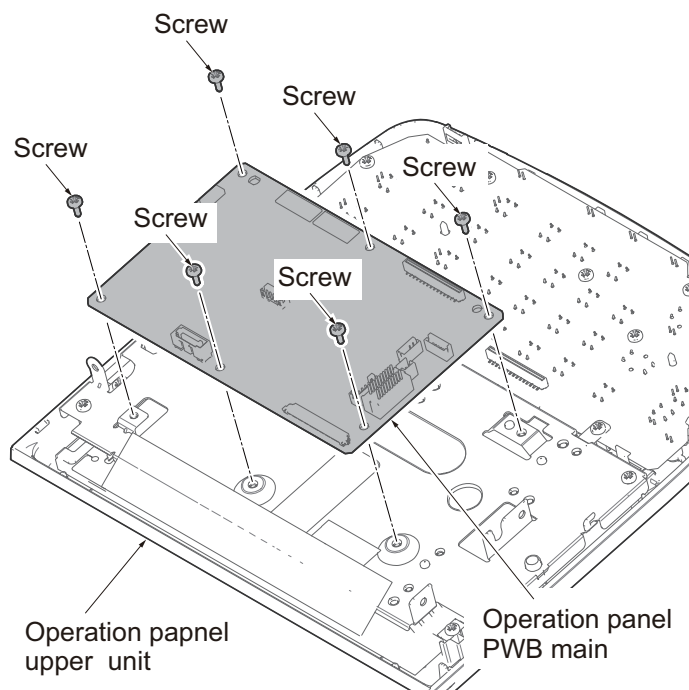


Figure 1-5-102

(6) Detaching and refitting the IH PWB

Procedures

1. Remove the controller box.
(See page 1-5-39)
2. Remove the scanner right cover.
(See page 1-5-21)
3. Remove the right upper cover.
4. Remove the right rear cover.

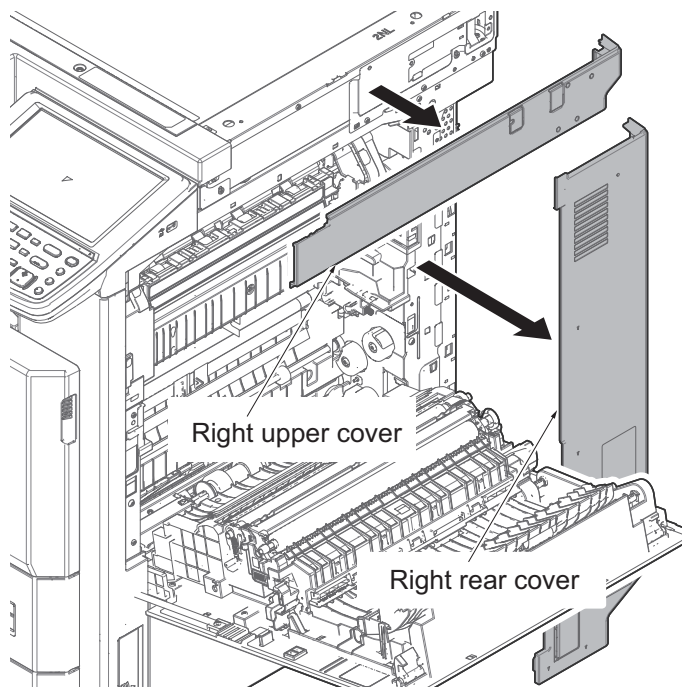


Figure 1-5-103

5. Remove the connector from the option connect PWB.
6. Remove two screws and remove the IH box cover.
7. Remove all connectors from the IH PWB.
8. Remove six screws and then remove the IH PWB.
9. Check or replace the IH PWB and refit all the removed parts.

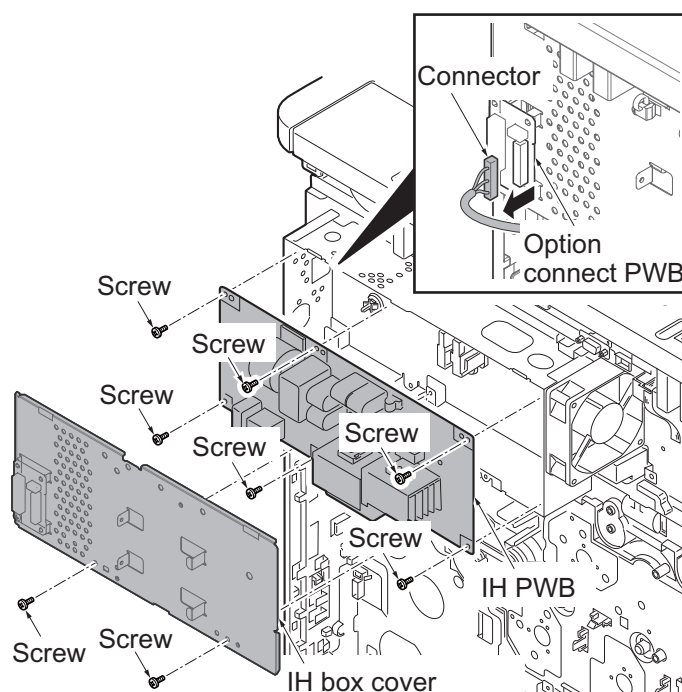


Figure 1-5-104

1-5-11 Others

(1) Detaching and refitting the language sheet

Procedures

1. Insert a flat-head screwdriver and slide the operation panel covers A and B to remove them.

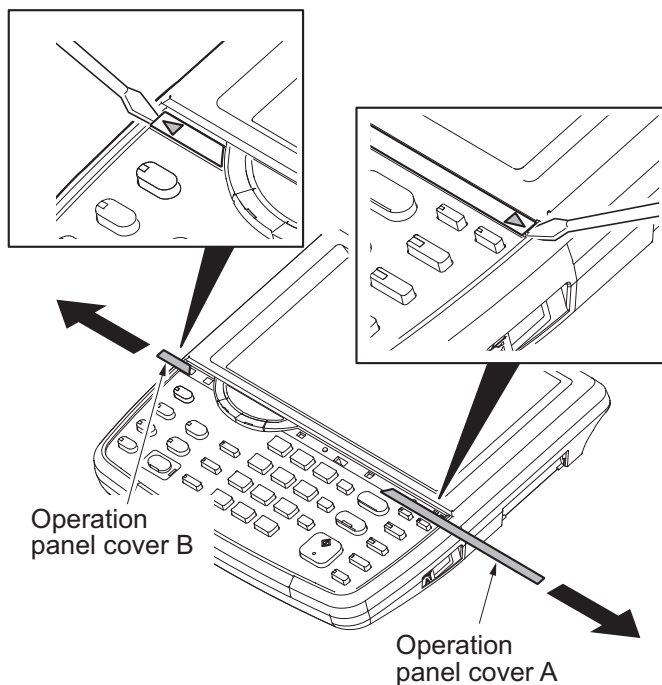


Figure 1-5-105

2. Remove the clear panel.

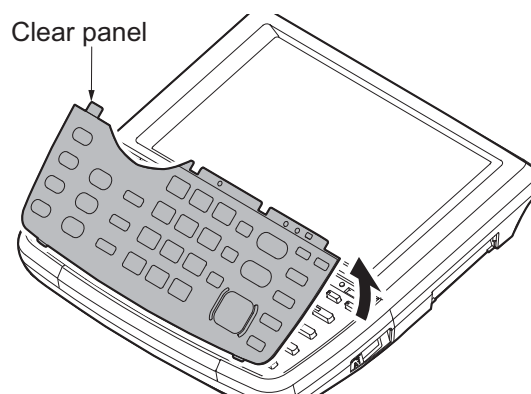


Figure 1-5-106

3. Remove the operation panel sheet.
4. Replace the operation panel sheet of the corresponding language.
5. Refit the clear panel.
6. Refit the operation panel covers A and B.

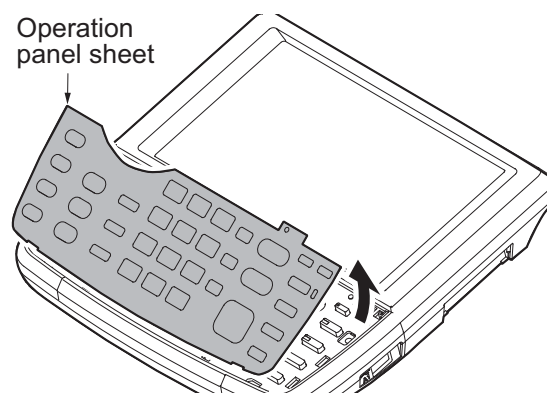


Figure 1-5-107

(2) Detaching and refitting the conveying unit

Procedures

1. Remove the MP tray.(See page 1-5-12)
2. Open the right cover 1.

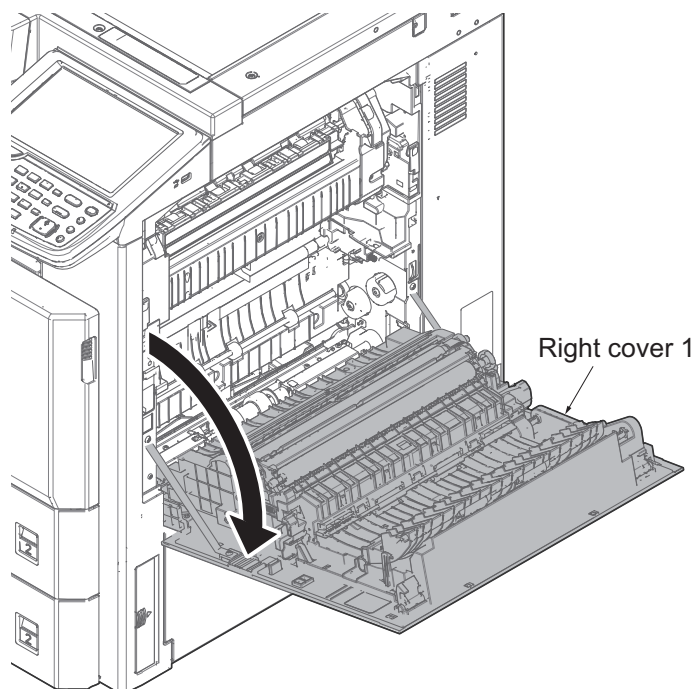


Figure 1-5-108

3. Remove two screws and then remove two straps.

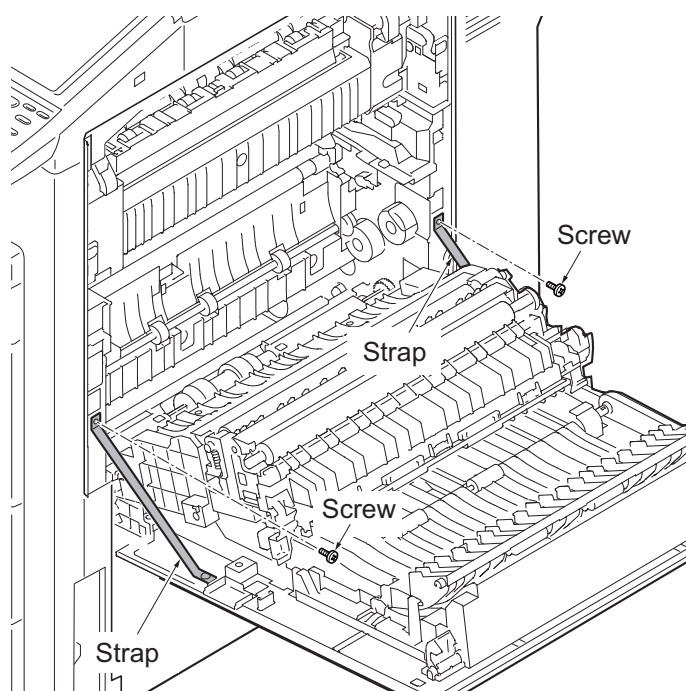


Figure 1-5-109

4. Rotate the wire cover.
5. Remove two connectors.
6. Rotate the fulcrum axis and slide it forward.
7. Pull the right cover 1 backward and then remove it.

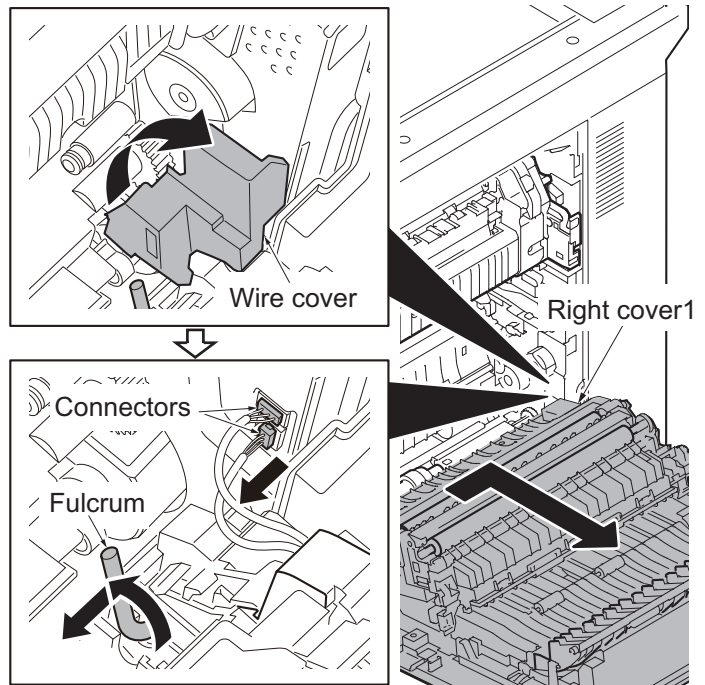


Figure 1-5-110

(3) Direction of installing the principal fan motors

When detaching or refitting the fan moter,be careful of the airflow direction (intake or exhaust).

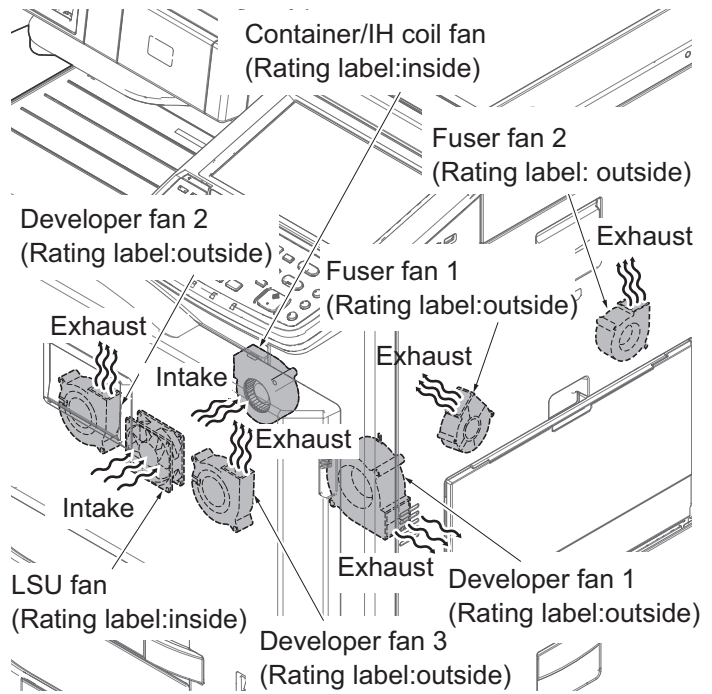


Figure 1-5-111

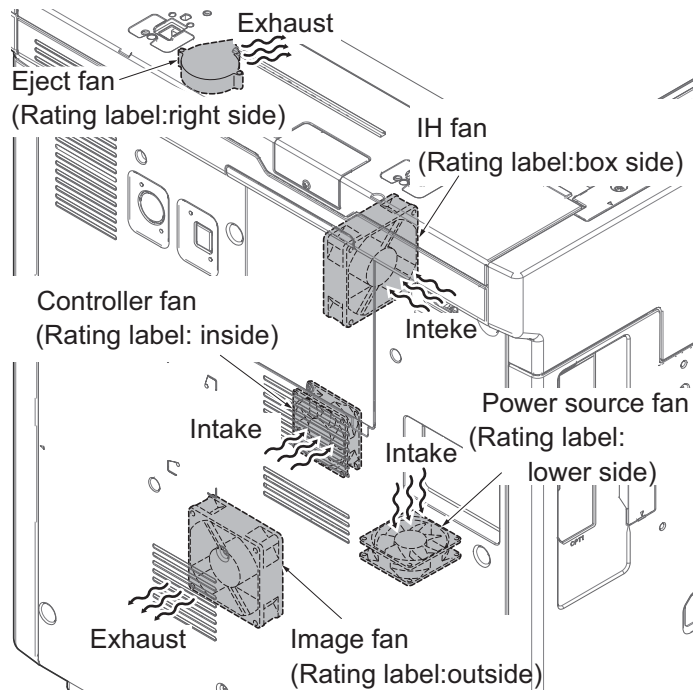


Figure 1-5-112

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1-6-1 Upgrading the firmware

Follow the procedure to upgrade the firmware below.

- * Controller data
- * Operation panel data
- * Engine PWB software
- * Scanner PWB software
- * Operation panel PWB software
- * Option Language data
- * Dictionary data
- * Browser data
- * FAX PWB software
- * IH PWB software
- * 1000-DF software
- * 500x2-PF software
- * 3000-PF software
- * DP software (Duplex/Reverse)
- * PUNCHUNIT software
- * First color table (For printer)
- * Second color table (For printer)
- * First color table (For copy)
- * Second color table (For copy)
- * OCR Dictionary data

Preparation

Extract the file that has the download firmware and store them in a USB Memory.

NOTE: To improve Firmware Upgrade speed, a separate SKIP file can be added to the USB Memory Stick with the Firmware Upgrade package. The Skip file will allow ONLY the Firmware that has been Upgraded to a New Version to load, skipping duplicate Firmware Levels.

Procedure

1. Turn ON the main power switch and confirm if the screen shows "Ready to print" then, turn OFF the main power switch.
2. Insert USB memory that has the firmware in the USB memory slot.
3. Turn ON the main power switch.
4. About 50 seconds later, "Farmware Update" will be displayed (this shows that downloading is ready to start).
5. The software under update of the present firmware is displayed.
6. Confirm that upgrading is completed.
7. Confirm that the version of the firmware is correctly displayed.
8. Turn OFF the main power switch and remove the USB memory.

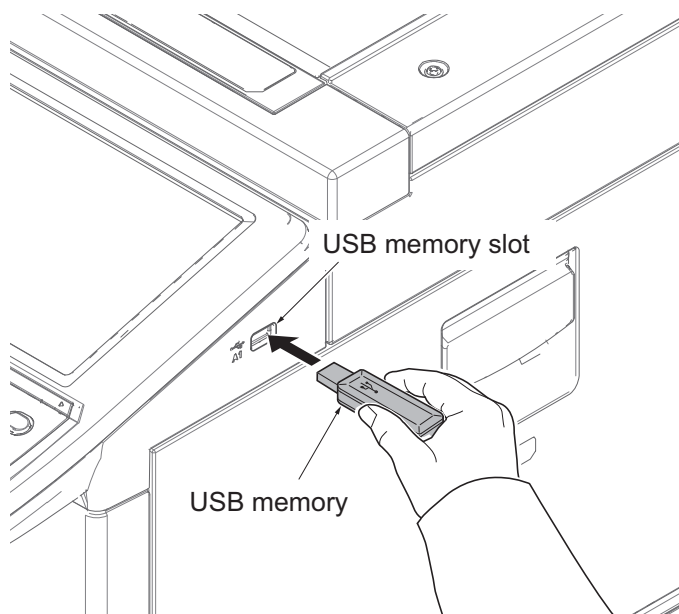


Figure 1-6-1

Caution:

Never turn off the power switch or remove the USB flash device during upgrading.

Safe-UPDATE

If the device is accidentally switched off or the USB memory is disconnected and upgrading is incomplete, perform the following.

If the power is accidentally switched off, turn the power on without removing the USB memory and perform the above steps 3 through 8.

If the USB memory is disconnected, reinsert it, then turn the power on and perform the above steps 3 through 8.

In any case, complete the steps to the end.

Emergency-UPDATE

If Safe Update is processed to the end, the firmware update is complete.

In case the message below is indicated, update the firmware after recovery with the steps below.

Note that this is unoperable when the device is operating normally.

FW-Update	
Error	FFFF

Preparation

The USB memory must be formatted in FAT or FAT32 in advance.

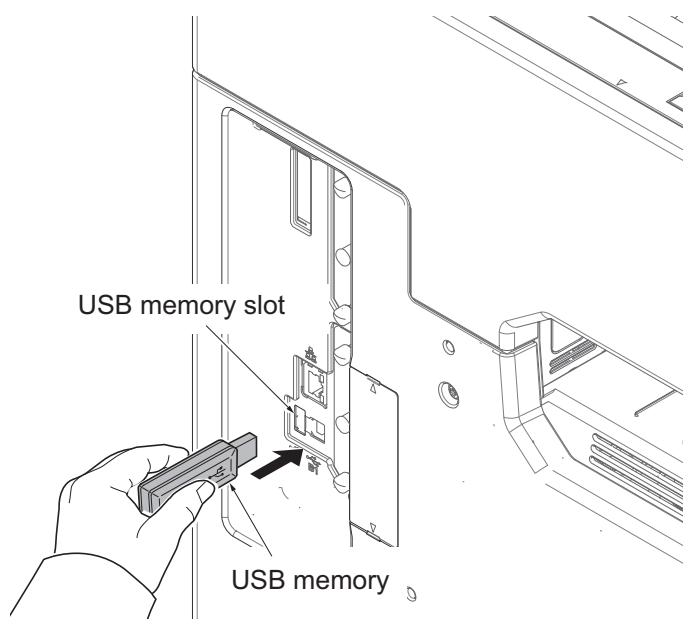
Extract the main firmware to download from the file.

Rename the file which was extracted from the archive. [DL_CTRL.2NP] to [KM_EMRG.2NP]

Copy the all extracted files to the root of the USB memory.

Procedure

1. Turn the main power switch off.
2. Install the USB memory which contains the firmware into the USB memory slot on the machine.
3. Turn the main power switch on.
4. Rewriting of the PWB software will start for restoration.
The memory and attention LEDs will be blinking.
5. Only the Memory LED will be blinking when rewriting is successful.
* : Only the Attention LED will be blinking when rewriting is failed.
6. Turn the main power switch off.
7. Wait for several seconds and then remove the USB memory from the USB memory slot.
8. Extract the firmware to download from the archive and copy to the root of the USB flash device.



NOTE: Deletes the "ES_SKIP.on" file
When it is contained directly under the
USB memory.

9. Insert the USB flash device in which the firmware was copied into the slot on the machine.
10. Perform steps 3 to 8 on the previous page.
11. Turn the main power switch on.
12. Perform maintenance item U000 (Print a maintenance report) to check that the version of ROM U109 has been upgraded.

Figure 1-6-2

2-1-1 Paper feed/conveying section

The paper feed/conveying section consists of the paper feed unit that feeds paper from the cassette and the MP tray paper feed unit that feeds paper from the MP tray, and the paper conveying section that conveys the feed paper to the transfer/separation section.

(1) Cassette paper feed section

The cassette can contain 500 sheets. The sheet from the cassette is pulled out by rotation of the pickup roller and sent to the paper conveying section by rotation of the paper feed roller. Also the retard roller prevents multiple feeding of paper.

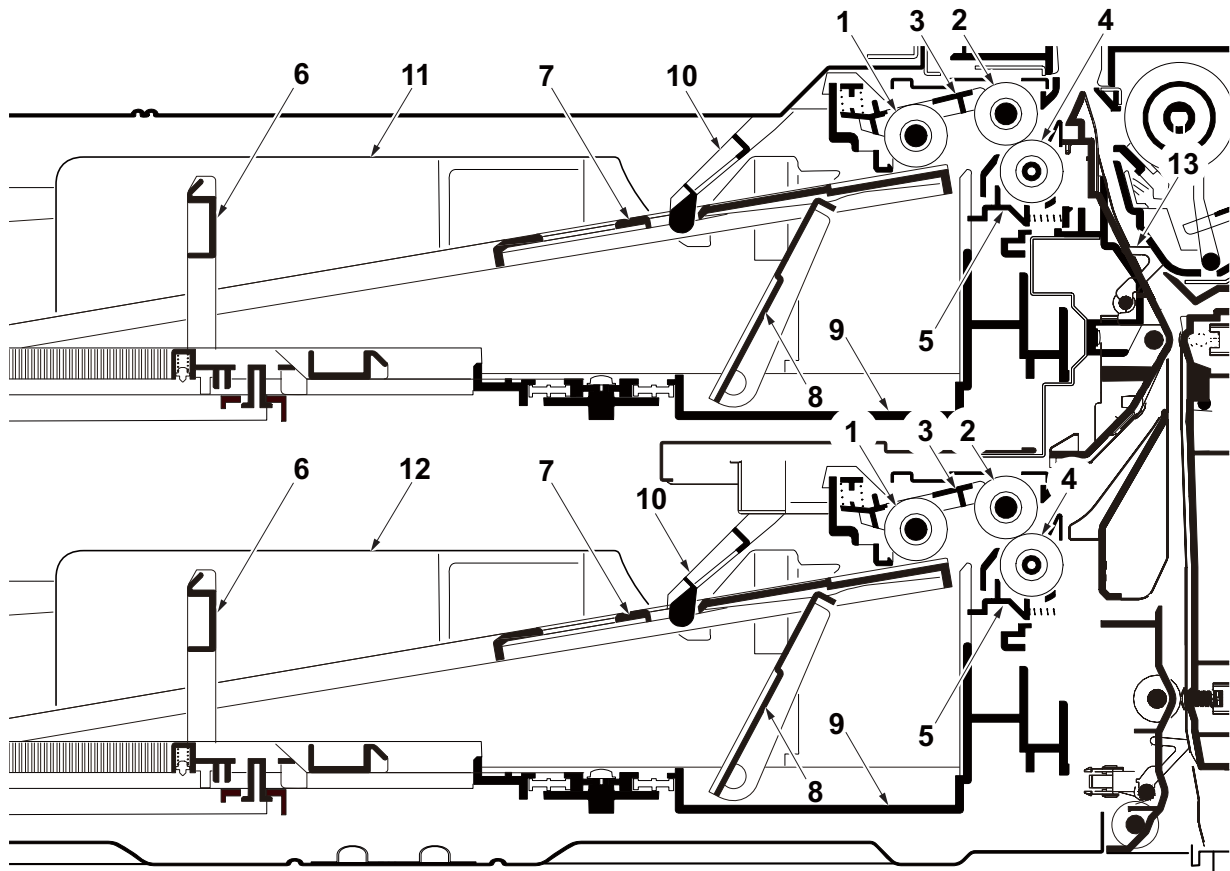


Figure 2-1-1 Cassette paper feed section

- | | |
|-----------------------|-----------------------------|
| 1. Pickup roller | 9. Cassette base |
| 2. Paper feed roller | 10. Actuator (paper sensor) |
| 3. Feed holder | 11. Cassette 1 |
| 4. Retard roller | 12. Cassette 2 |
| 5. Retard holder | 13. Acuator (feed sensor 1) |
| 6. Paper length guide | |
| 7. Bottom plate | |
| 8. Lift work plate | |

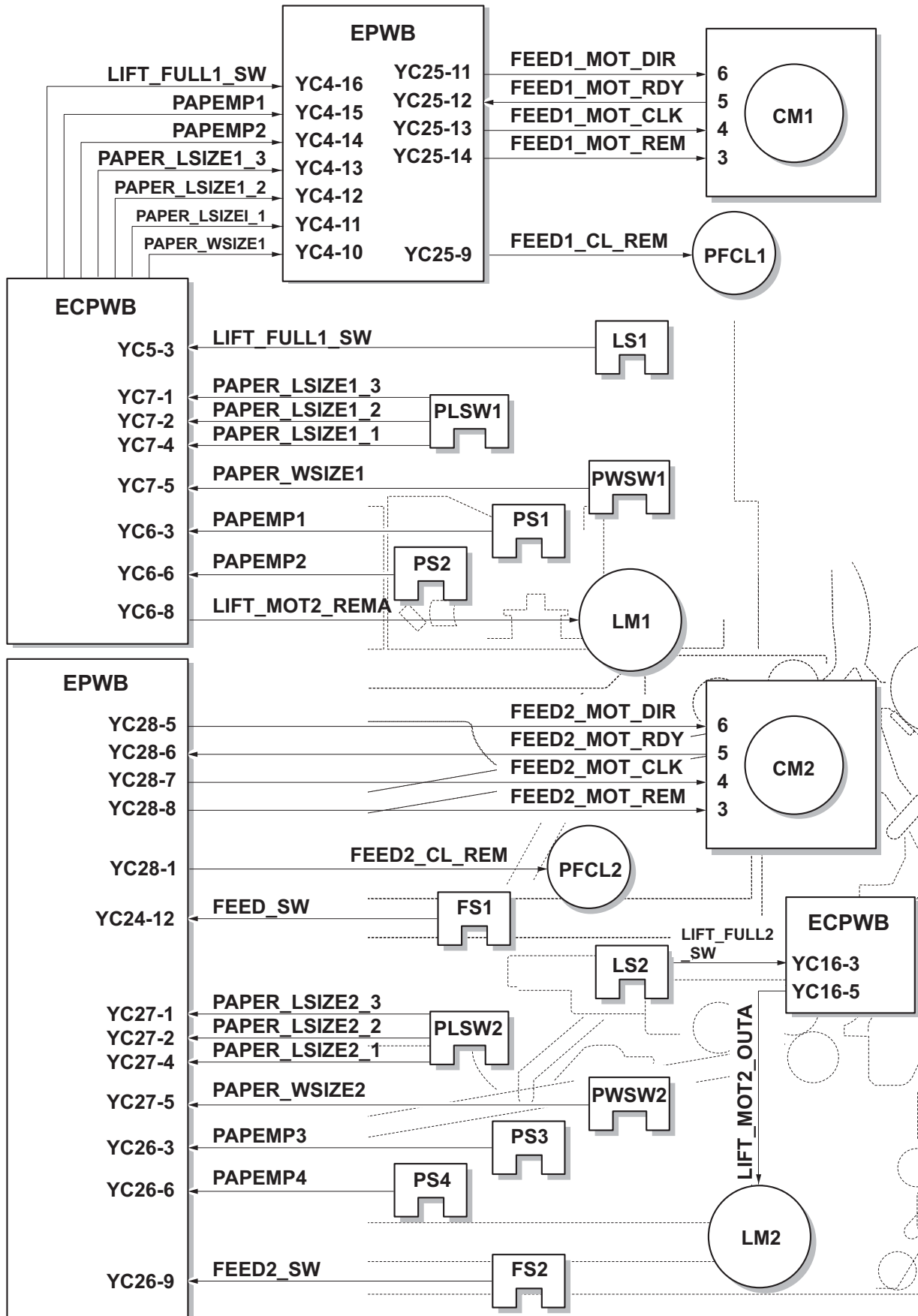


Figure 2-1-2 Cassette paper feed section block diagram

(2) MP tray paper feed section

The MP tray can contain 100 sheets. Feeding from the MP tray is performed by the rotation of the MP paper feed roller. Also, function of the MP separation pad prevents paper from multiple feeding.

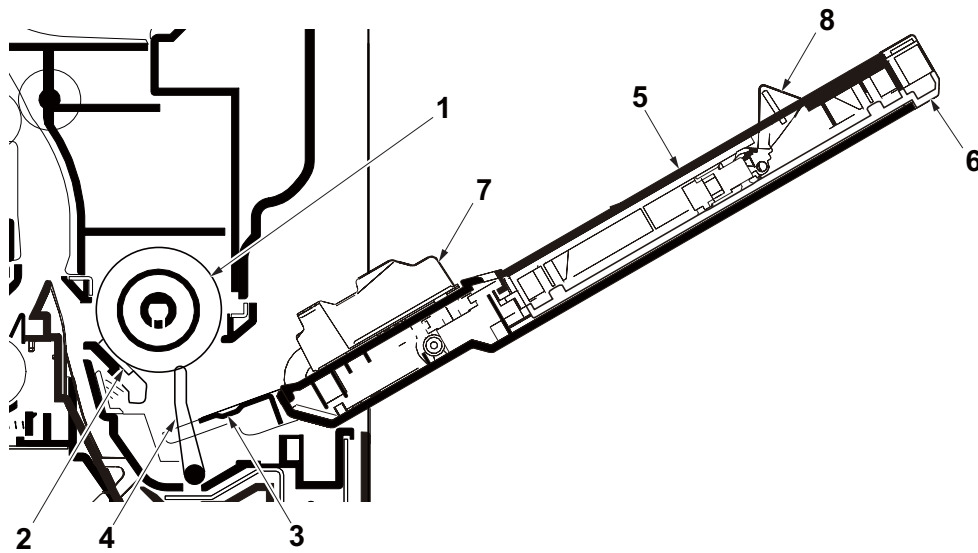


Figure 2-1-3 MP tray paper feed section

- | | |
|-----------------------------------|--------------------------------------|
| 1. MP paper feed roller | 5. MP (multi purpose)tray |
| 2. MP separation pad | 6. MP tray extension |
| 3. MP bottom plate | 7. MP paper width guide |
| 4. Actuator(MP paper feed sensor) | 8. Actuator (MP paper length switch) |

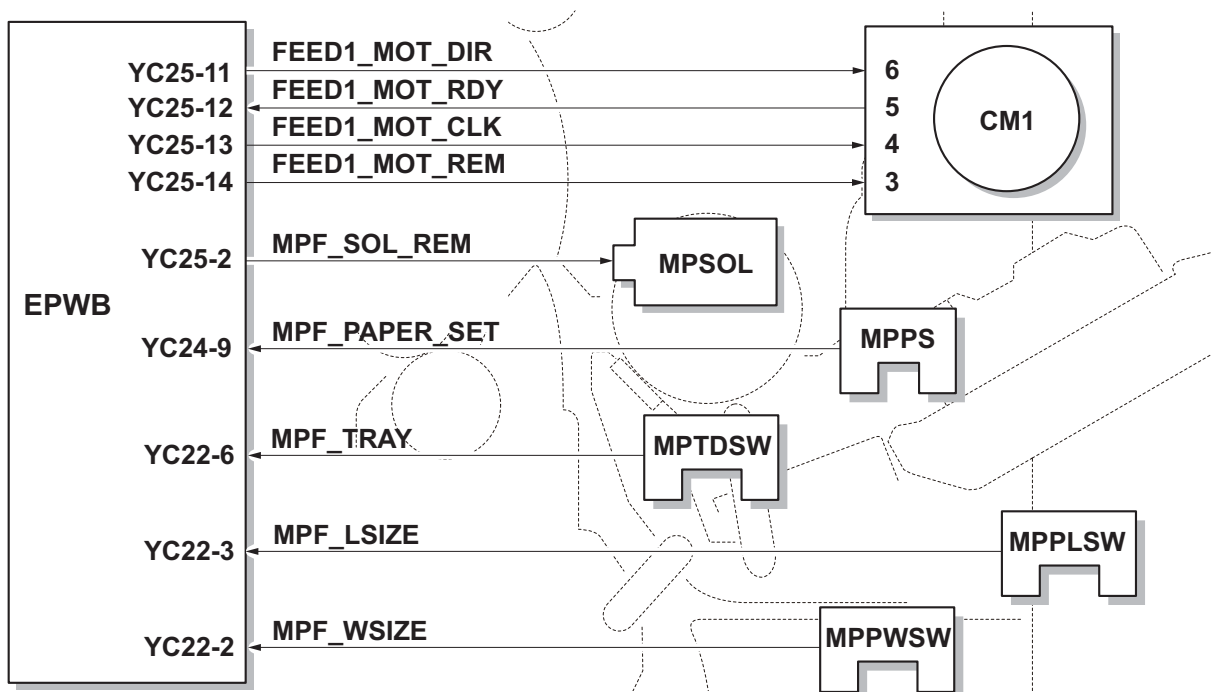


Figure 2-1-4 MP tray paper feed section block diagram

(3) Conveying section

The conveying section conveys paper to the transfer/separation section as paper feeding from the cassette or MP tray, or as paper refeeding for duplex printing. Paper by feeding is conveyed by the paper feed roller to the position where the registration sensor (RS) is turned on, and then sent to the transfer/separation section by the right registration roller and left registration roller.

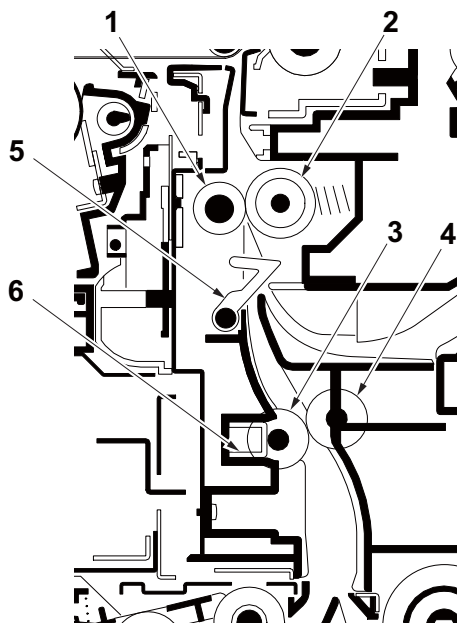


Figure 2-1-5 Conveying section

- | | |
|------------------------------|-----------------------------------|
| 1. Left registration roller | 4. Right feed roller |
| 2. Right registration roller | 5. Actuator (registration sensor) |
| 3. Left feed roller | 6. Registration cleaner |

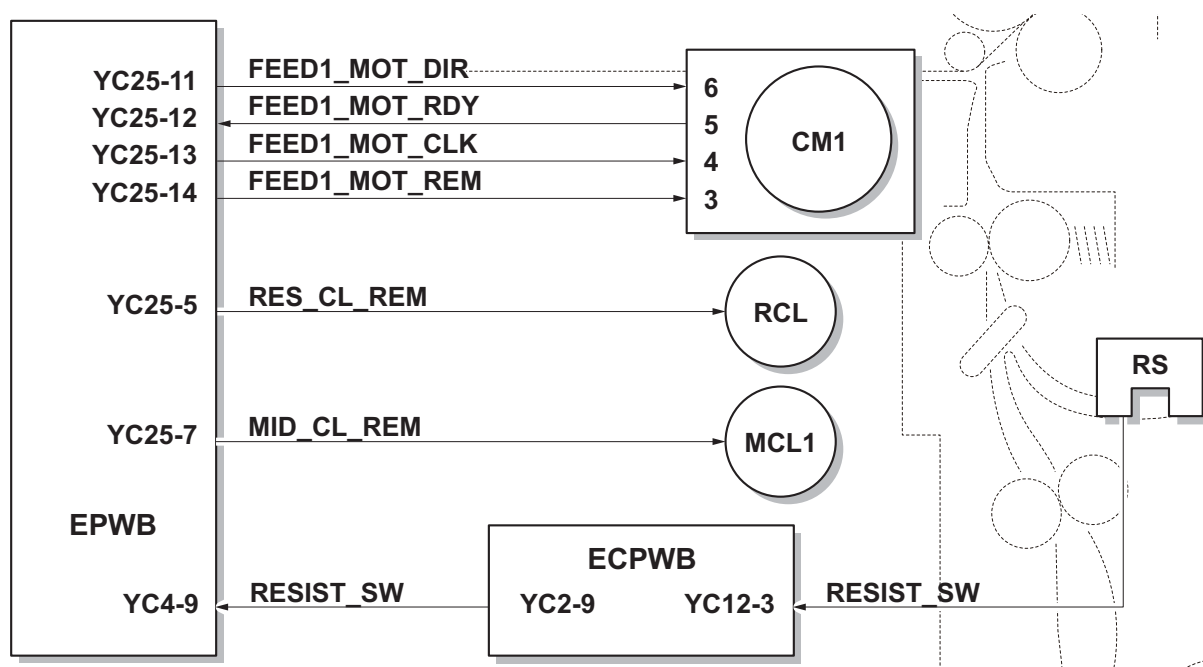


Figure 2-1-6 Paper conveying section block diagram

2-1-2 Drum section

The drum section consists of the drum, the charger roller unit, and the cleaning unit, and the drum surface is uniformly charged in preparation for formation of residual image by laser beam.

After transfer is complete, toner remaining on the drum surface is chipped off with the cleaning blade and is collected to the waste toner box with the sweep roller. The cleaning lamp (CL) consists of LEDs and removes residual charge on the drum before main charging.

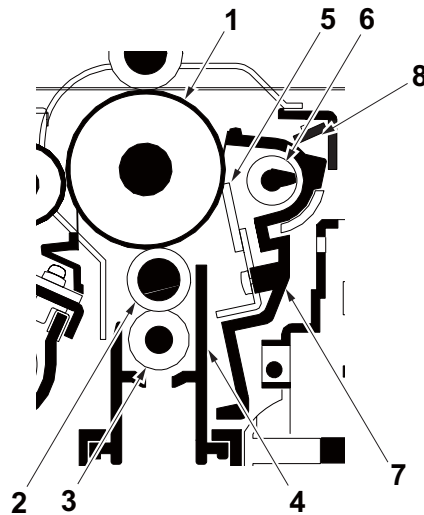


Figure 2-1-7 Drum section

- | | |
|----------------------------|-----------------------|
| 1. Drum | 6. Sweep roller |
| 2. Charger roller | 7. Drum frame |
| 3. Charger cleaning roller | 8. Cleaning lamp (CL) |
| 4. Charger case | |
| 5. Cleaning blade | |

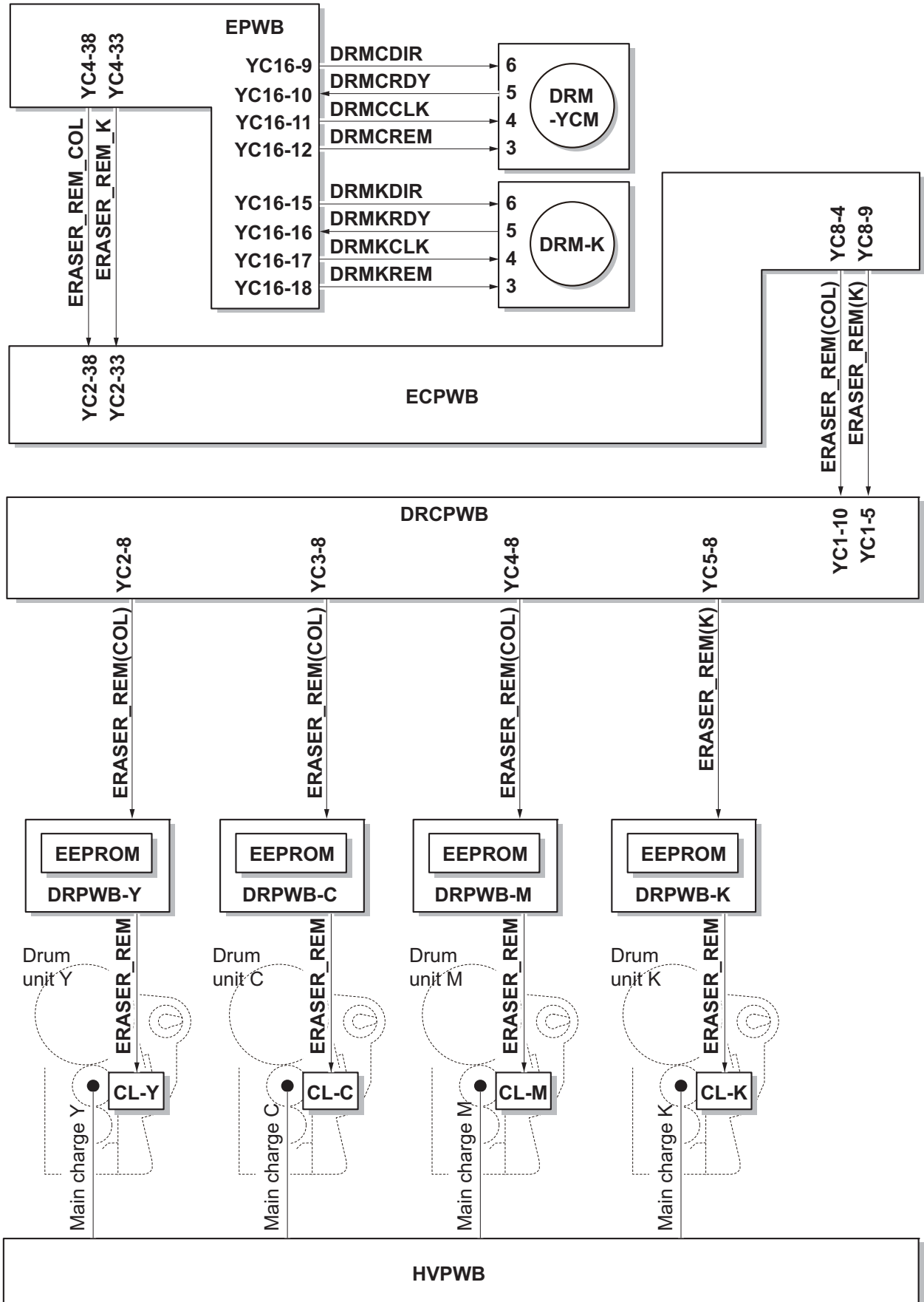


Figure 2-1-8 Drum section block diagram

2-1-3 Developing section

The developing unit consists of the sleeve roller that forms the magnetic brush, the magnet roller, the developing blade and the developing screws that agitate the toner. Also, the toner sensor (TS) checks whether or not toner remains in the developing unit.

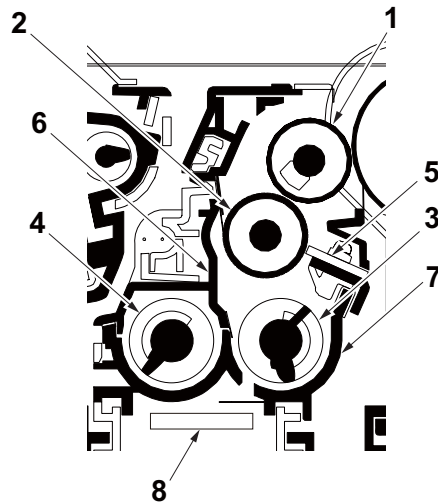


Figure 2-1-9 Developer section

- | | |
|-----------------------|----------------------|
| 1. Sleeve roller | 5. Developing blade |
| 2. Magnet roller | 6. Developer case |
| 3. Developing screw A | 7. Developer base |
| 4. Developing screw B | 8. Toner sensor (TS) |

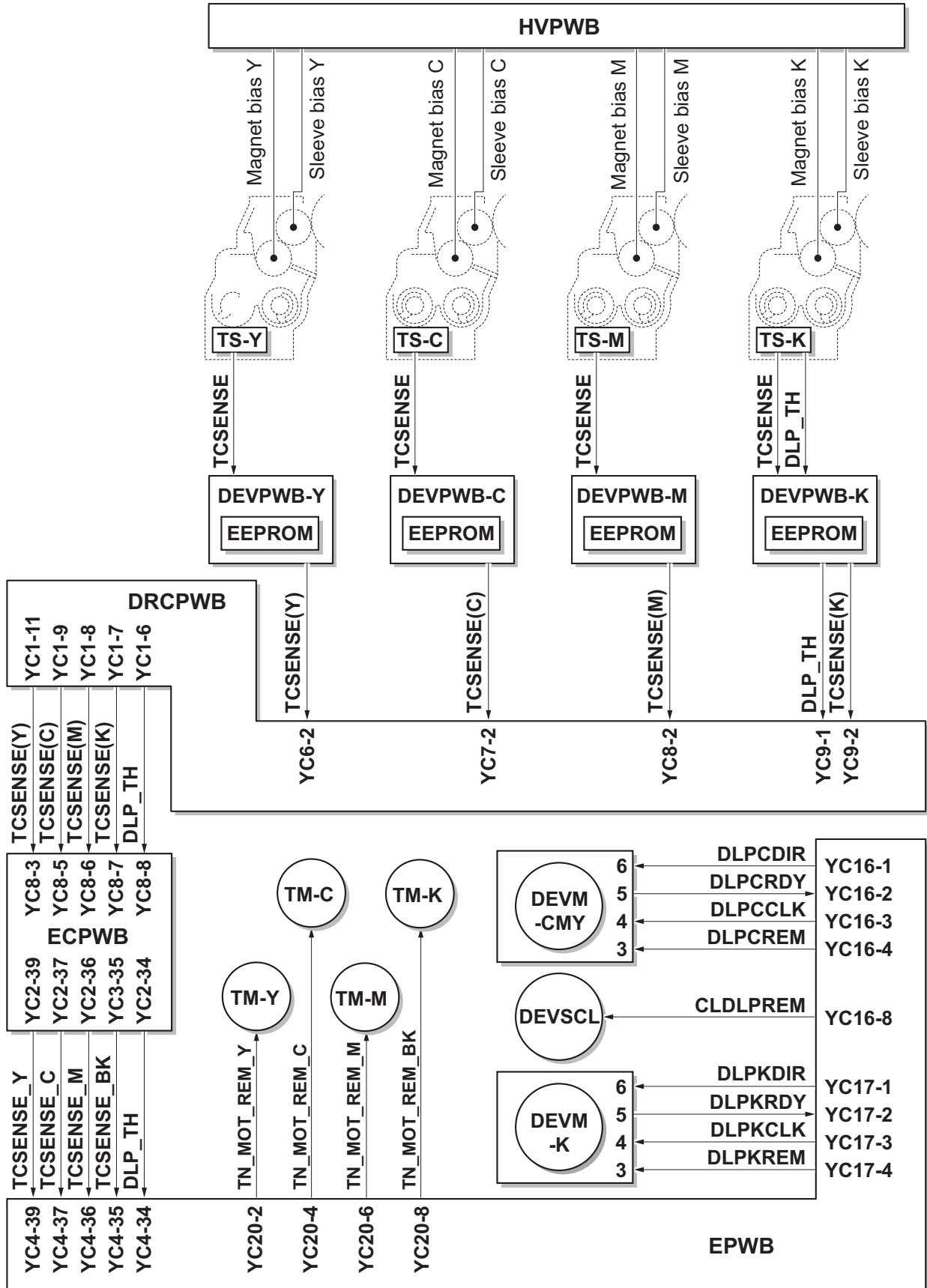


Figure 2-1-10 Developing section block diagram

2-1-4 Optical section

The optical section consists of the image scanner section for scanning and the laser scanner section for printing.

(1) Image scanner section

The original image is illuminated by the exposure lamp (EL) and scanned by the CCD image sensor in the CCD PWB (CCDPWB) via the three mirrors and ISU lens, the reflected light being converted to an electrical signal.

If a document processor is used, the image scanner unit stops at the position of the DP contact glass and scans sequentially one row of the image on the original in synchronization with the moving timing of the original in the sub scan direction by driving the DP.

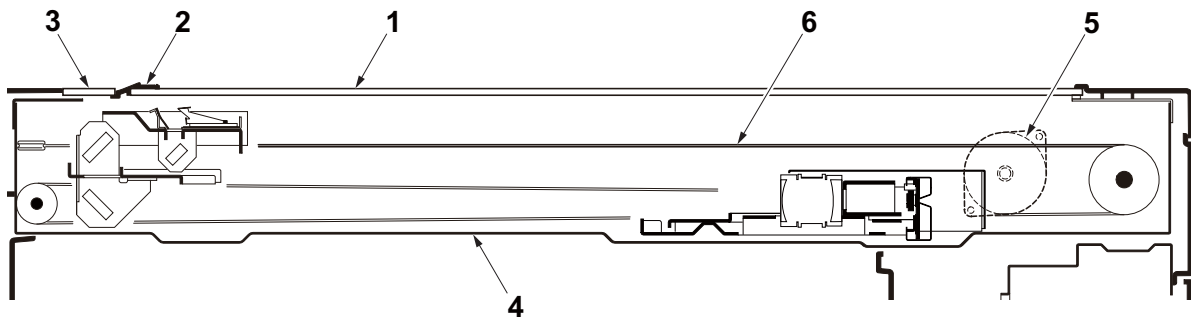


Figure 2-1-11 Scanner unit

- | | |
|----------------------------------|---------------------|
| 1. Contact glass | 4. ISU frame |
| 2. Original size indicator plate | 5. ISU motor (ISUM) |
| 3. DP contact glass | 6. ISU wire |

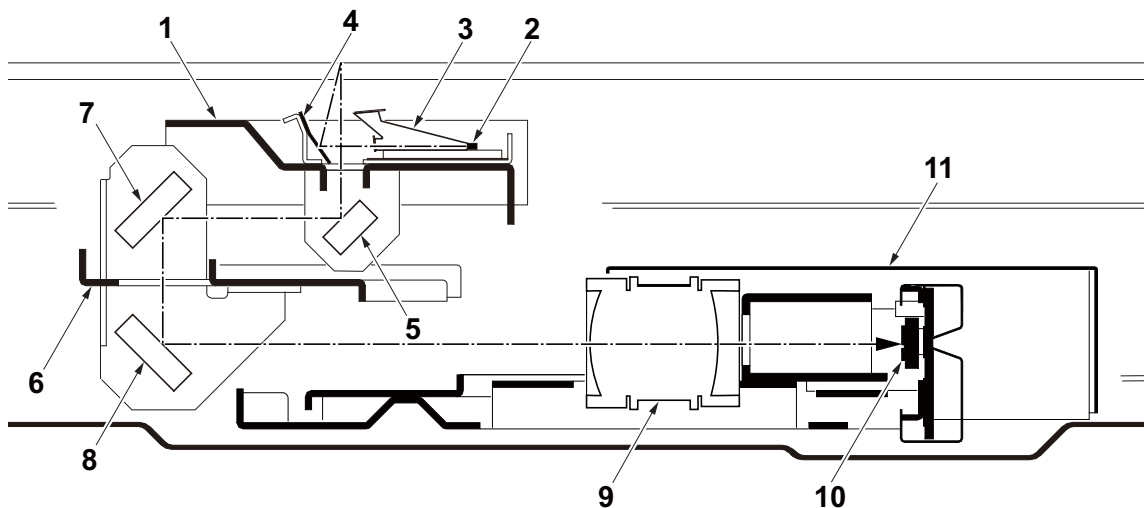


Figure 2-1-12 Image scanner unit (ISU)

- | | |
|----------------------------|----------------------|
| 1. The first mirror frame | 7. Mirror B |
| 2. Exposure lamp (EL) | 8. Mirror C |
| 3. Exposure lens | 9. ISU lens |
| 4. Reflector | 10. CCD PWB (CCDPWB) |
| 5. Mirror A | 11. ISU cover |
| 6. The second mirror frame | |

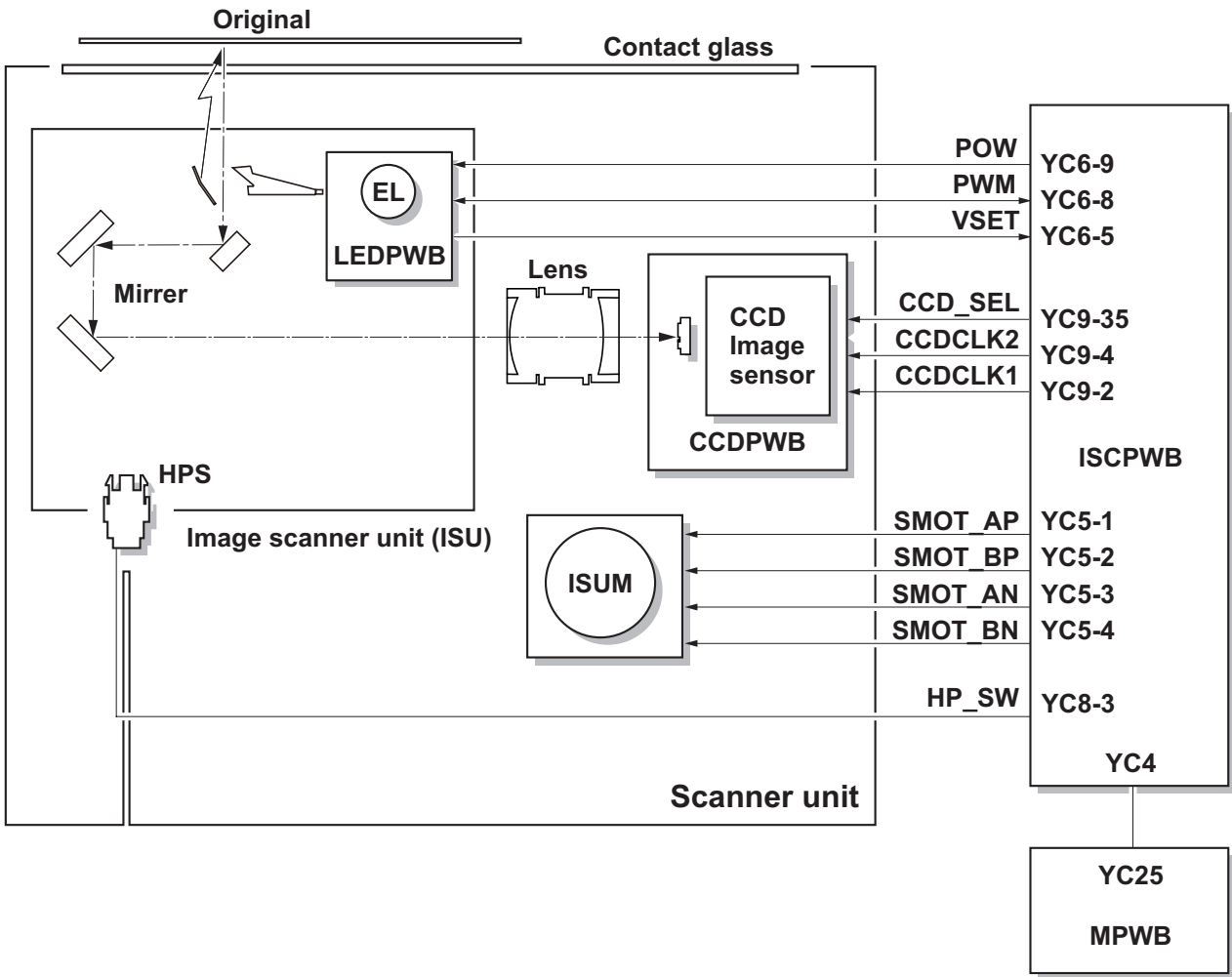


Figure 2-1-13 Scanner unit block diagram

(2) Laser scanner section

The charged surface of the drum is then scanned by the laser beam from the laser scanner unit. The laser beam is dispersed as the polygon motor (PM) revolves to reflect the laser beam over the drum. Various lenses and mirror are housed in the laser scanner unit, adjust the diameter of the laser beam, and focalize it at the drum surface. Also the LSU cleaning motor (LSUCM) is activated to conduct automatically cleaning of the LSU dust shield glass.

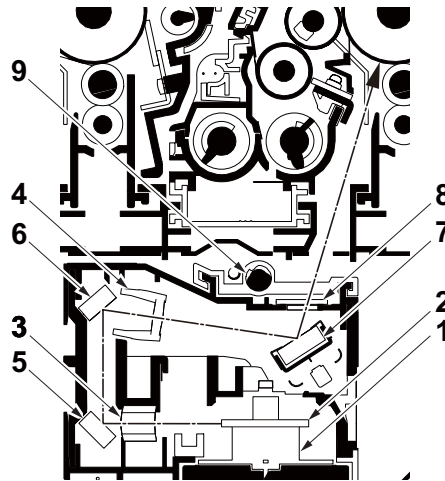


Figure 2-1-14 Laser scanner unit (LSU)

- | | |
|-----------------------|--------------------------|
| 1. Polygon motor (PM) | 6. Mirror B |
| 2. Polygon mirror | 7. Mirror C |
| 3. f lens A | 8. LSU dust shield glass |
| 4. f lens B | 9. LSU cleaning spiral |
| 5. Mirror A | |

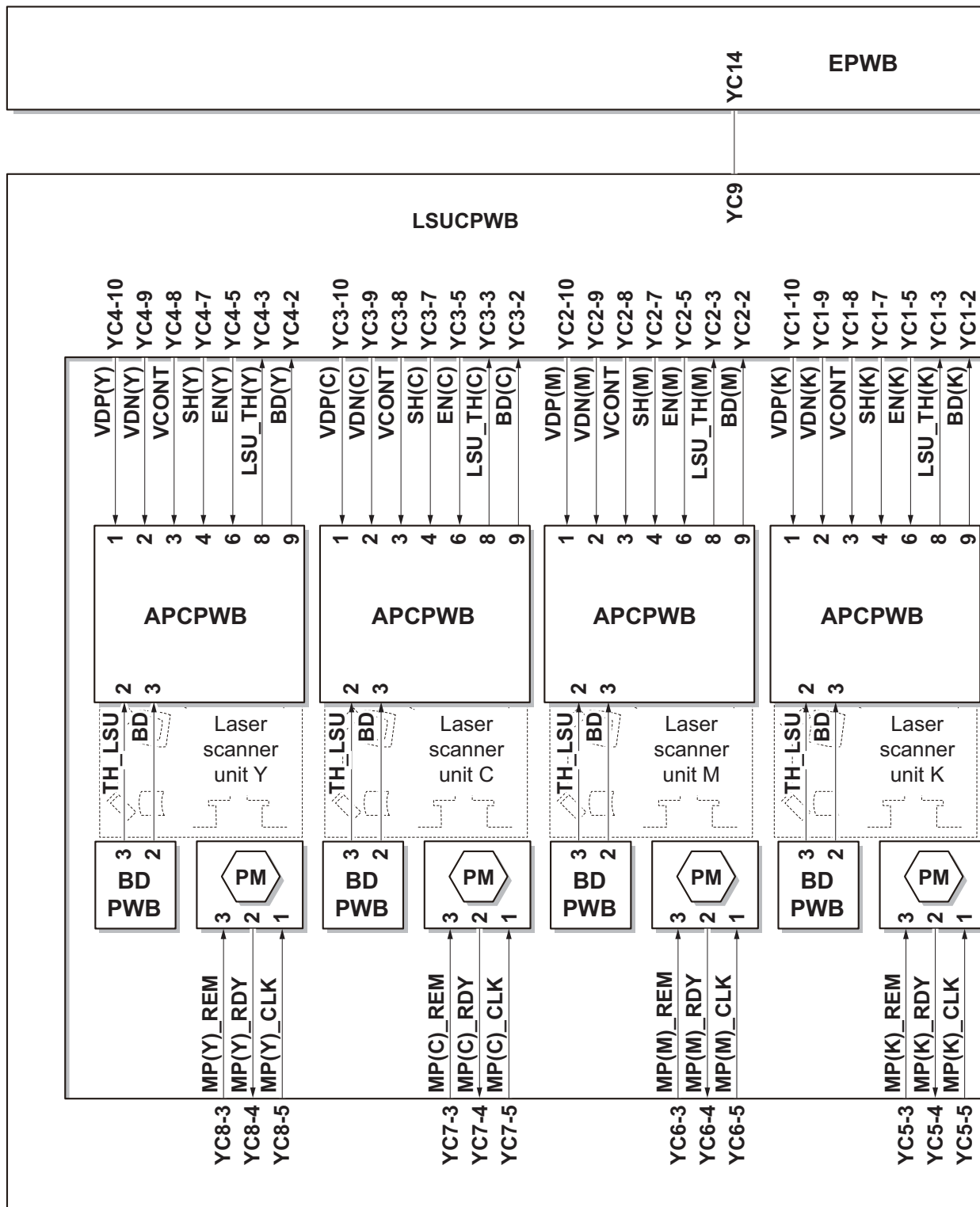


Figure 2-1-15 Laser scanner unit block diagram

2-1-5 Transfer/Separation section

The transfer/separation section consists of the intermediate transfer unit section and the secondary transfer roller section.

(1) Intermediate transfer unit section

The intermediate transfer unit section consists of the transfer cleaning unit, the transfer belt, and the four primary transfer rollers for respective color drums, and forms a full-color toner image by superimposing and transferring single-color toner images formed on each drum onto the transfer belt. Also with the ID sensors (IDS) mounted on the machine frame, the toner density on the transfer belt is measured.

The transfer cleaning unit collects toner remaining on the transfer belt after secondary transfer and forwards it as waste toner to the waste toner box.

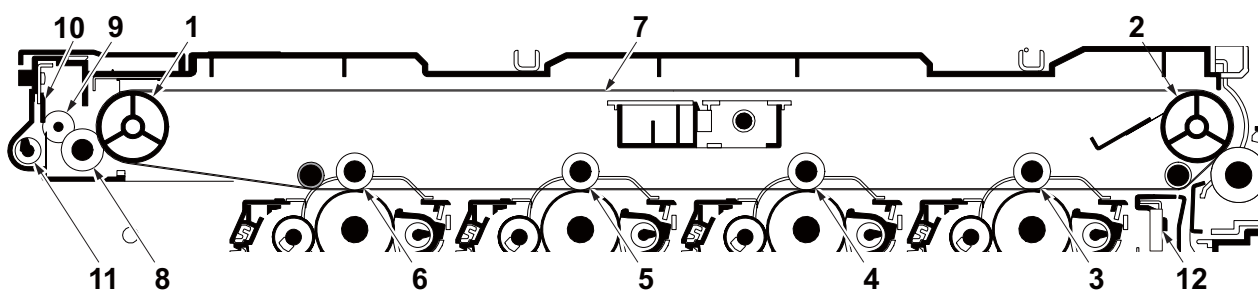


Figure 2-1-16 Inter mediate transfer unit section

- | | |
|------------------------------|-----------------------|
| 1. Tension roller | 7. Transfer belt |
| 2. Drive roller | 8. Cleaning fur brush |
| 3. Primary transfer roller K | 9. Cleaning roller |
| 4. Primary transfer roller M | 10. Cleaning blade |
| 5. Primary transfer roller C | 11. Cleaning screw |
| 6. Primary transfer roller Y | 12. ID sensors (IDS) |

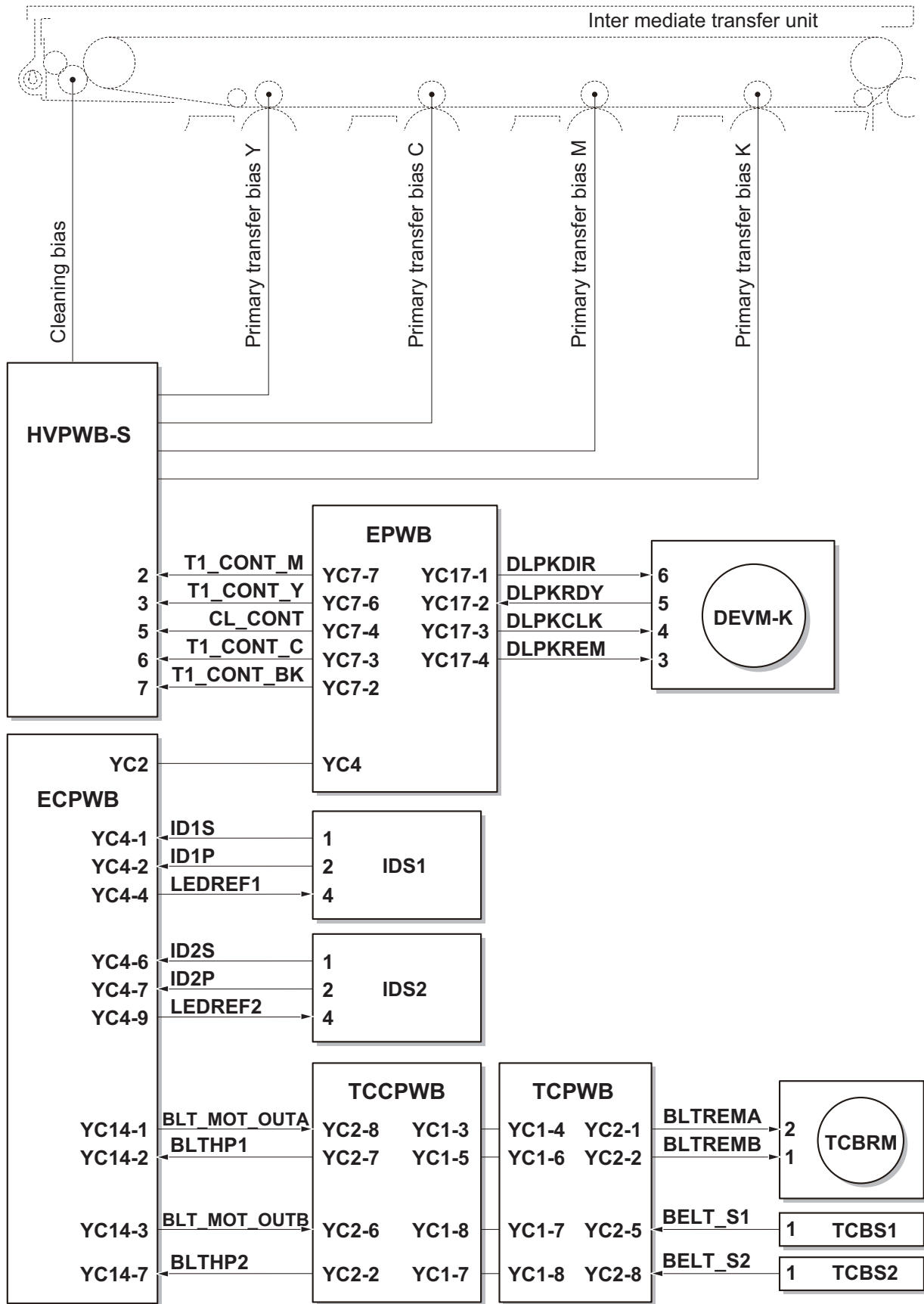


Figure 2-1-17 Intermediate transfer unit section block diagram

(2) Secondary transfer roller section

The secondary transfer roller section consists of the secondary transfer roller mounted to the paper conveying unit and the separation needle. To the secondary transfer roller, DC bias is applied from the high voltage PWB (HVPWB). The toner image formed on the transfer belt is transferred to the paper by the potential difference. Paper after transfer is separated from the drum by applying separation charging that is output from the high voltage PWB (HVPWB) to the separation electrode.

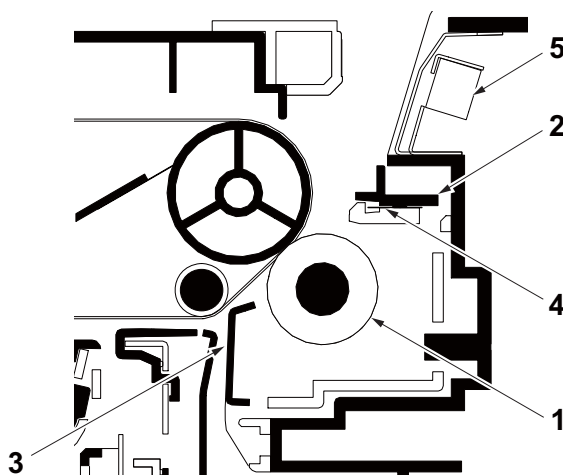


Figure 2-1-18 Secondary transfer roller section

- | | |
|------------------------------|----------------------|
| 1. Secondary transfer roller | 4. Separation needle |
| 2. Separation needle holder | 5. Fuser pre sensor |
| 3. Paper chute guide | |

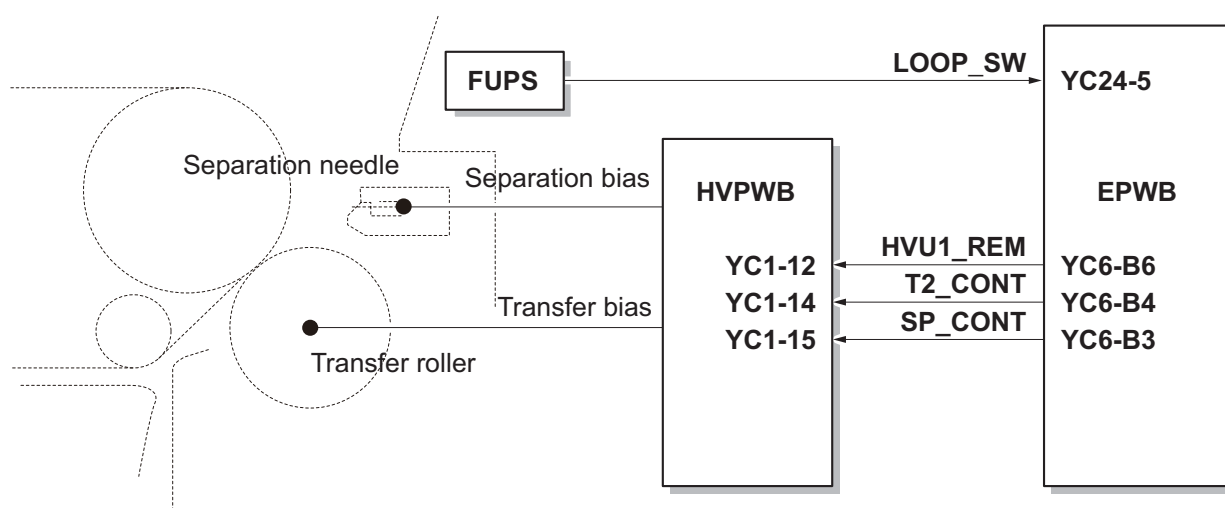


Figure 2-1-19 Secondary transfer roller section block diagram

2-1-6 Fuser section

The paper sent from the transfer/separation section is interleaved between the heat roller and the press roller. The heat roller is heated by the IH coil (IHC), and the toner is fused by heat and pressure and fixed onto the paper because the press roller is pressed by the fuser press spring. The surface temperature of heat roller is detected by the fuser thermistor1 (FTH1), fuser thermistor2 (FTH2) and the surface temperature of press roller is detected by the fuser thermistor3 (FTH3) and controlled by the engine PWB (EPWB). If the fuser section shows extremely high temperature, the power line will be shut off and the IH coil (IHC) is forced to turn off.

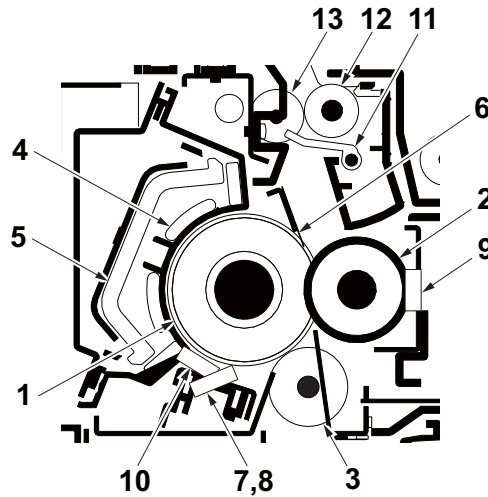


Figure 2-1-20 Fuser section

- | | |
|------------------------------|------------------------------|
| 1. Heat roller | 8. Fuser thermistor 2 (FTH2) |
| 2. Press roller | 9. Fuser thermistor 3 (FTH3) |
| 3. Uniformity heat roller | 10. Fuser thermostat (FTS) |
| 4. IH coil (IHC) | 11. Actuator (eject sensor) |
| 5. Core | 12. Eject roller |
| 6. Separate plate | 13. Eject pulley |
| 7. Fuser thermistor 1 (FTH1) | |

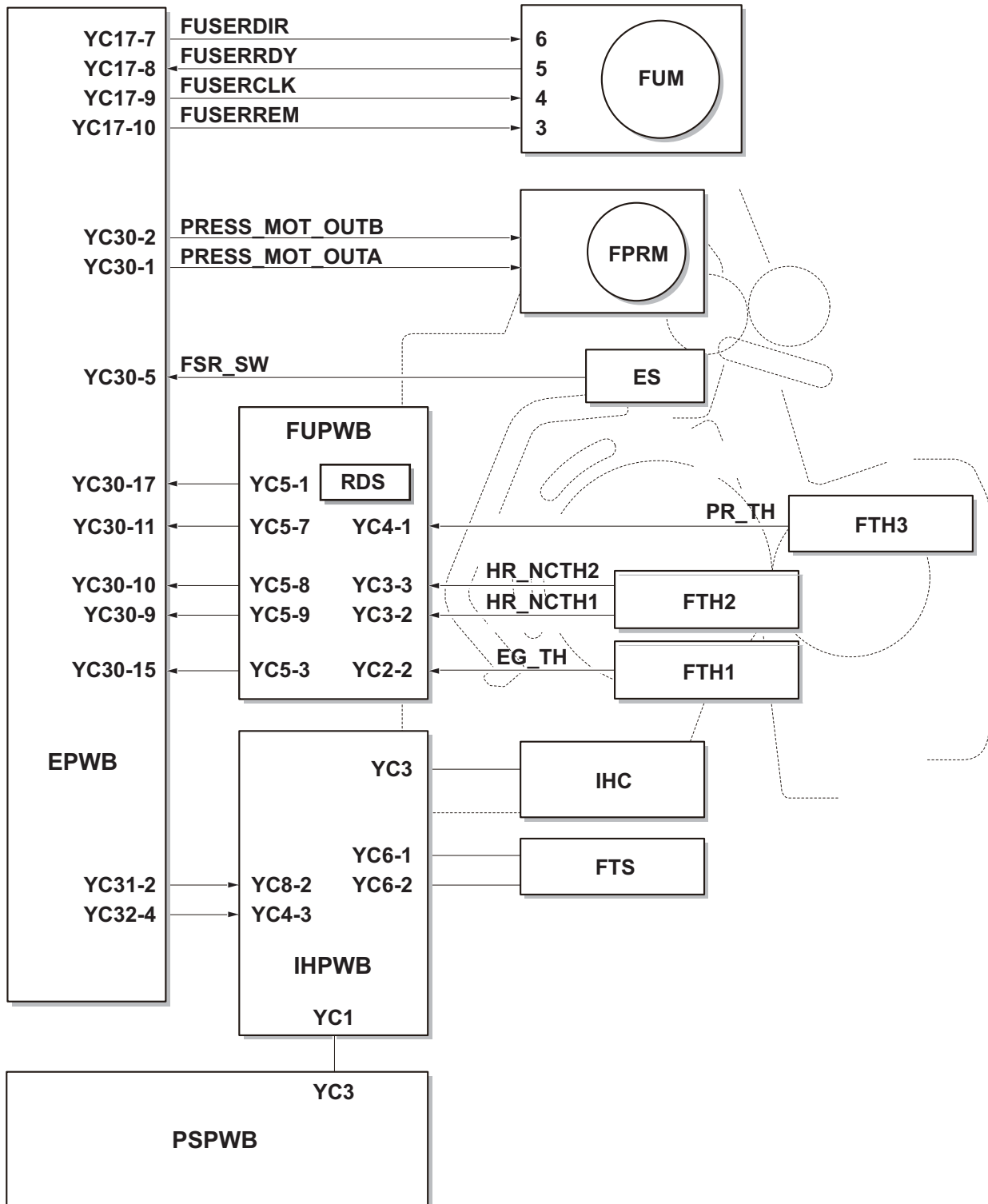


Figure 2-1-21 Fuser section block diagram

2-1-7 Eject/Feedshift section

The paper eject/feedshift section consists of the conveying path which sends the paper that has passed the fuser section to the inner tray, the job separator tray or the duplex conveying section.

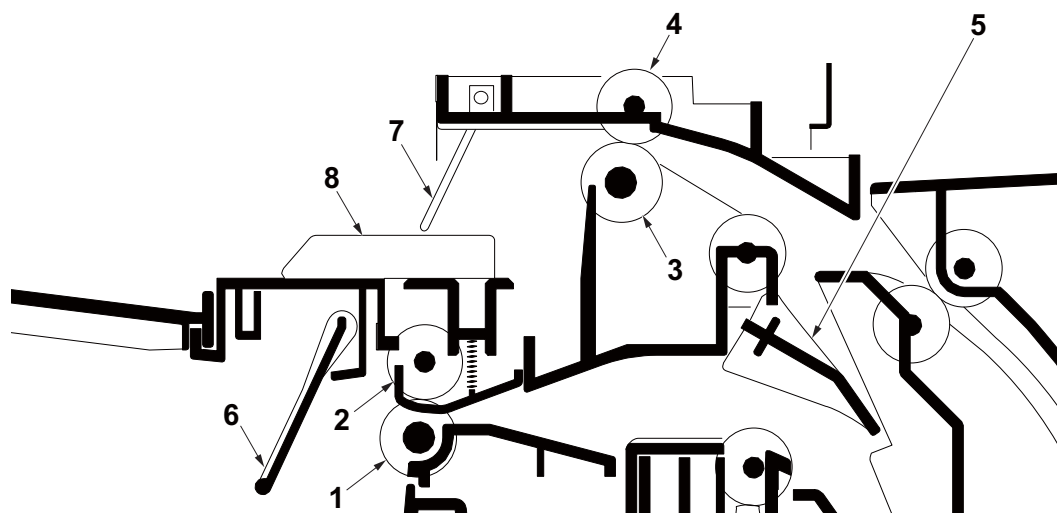


Figure 2-1-22 Eject/Feedshift section

- | | |
|--------------------|--------------------------------------|
| 1. Eject roller A | 6. Actuator (paper full sensor) |
| 2. Eject pulley A | 7. Actuator |
| 3. Eject roller B | (job paper full sensor) |
| 4. Eject pulley B | 8. Actuator (job eject paper sensor) |
| 5. Feedshift guide | |

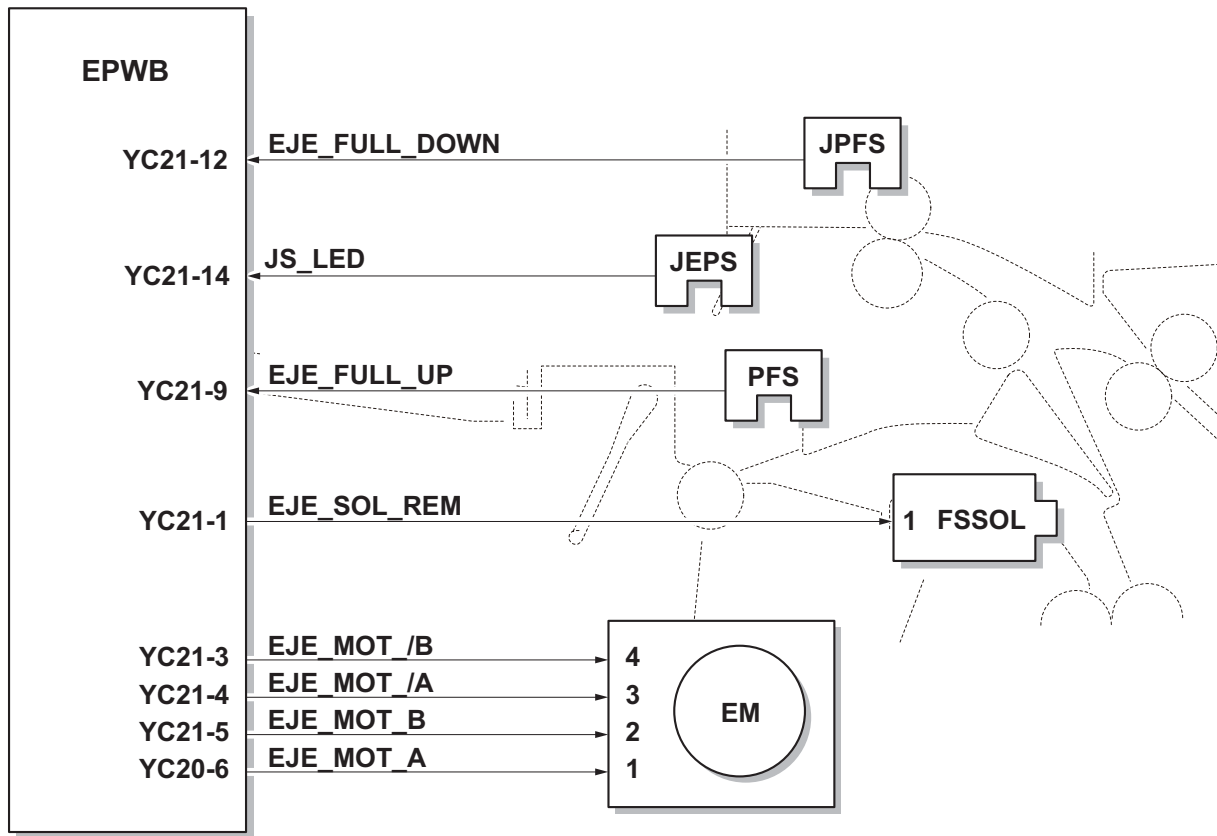


Figure 2-1-23 Eject/Feed shift section block diagram

2-1-8 Duplex conveying section

The duplex conveying section consists of conveying path which sends the paper sent from the eject/feedshift section to the paper feed/conveying section when duplex printing.

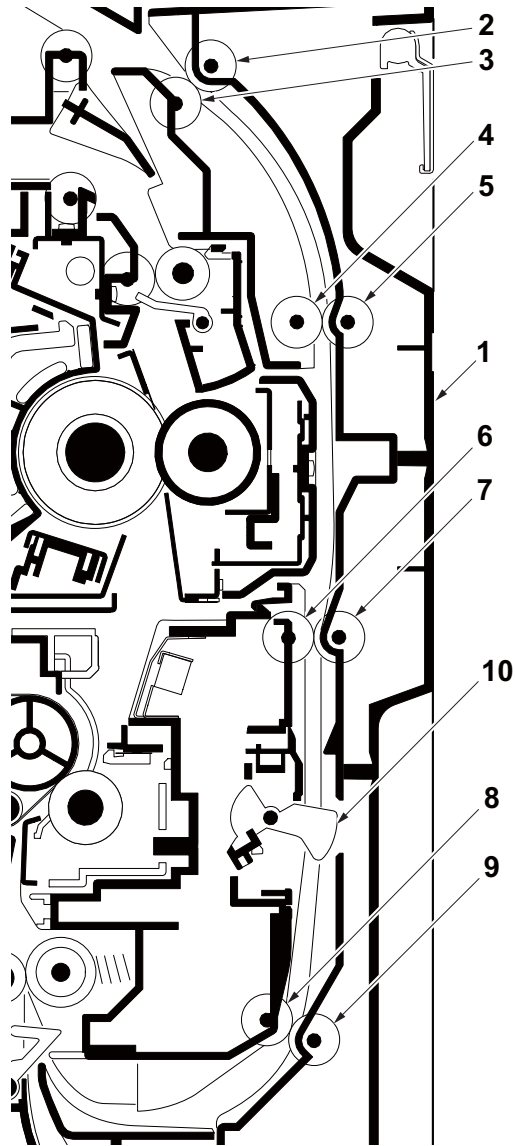


Figure 2-1-24 Duplex conveying section

- | | |
|-------------------------|------------------------------|
| 1. Right cover 1 | 6. Duplex feed roller C |
| 2. Duplex feed roller A | 7. Duplex feed pulley C |
| 3. Duplex feed pulley A | 8. Duplex feed roller D |
| 4. Duplex feed roller B | 9. Duplex feed pulley D |
| 5. Duplex feed pulley B | 10. Actuator (duplex sensor) |

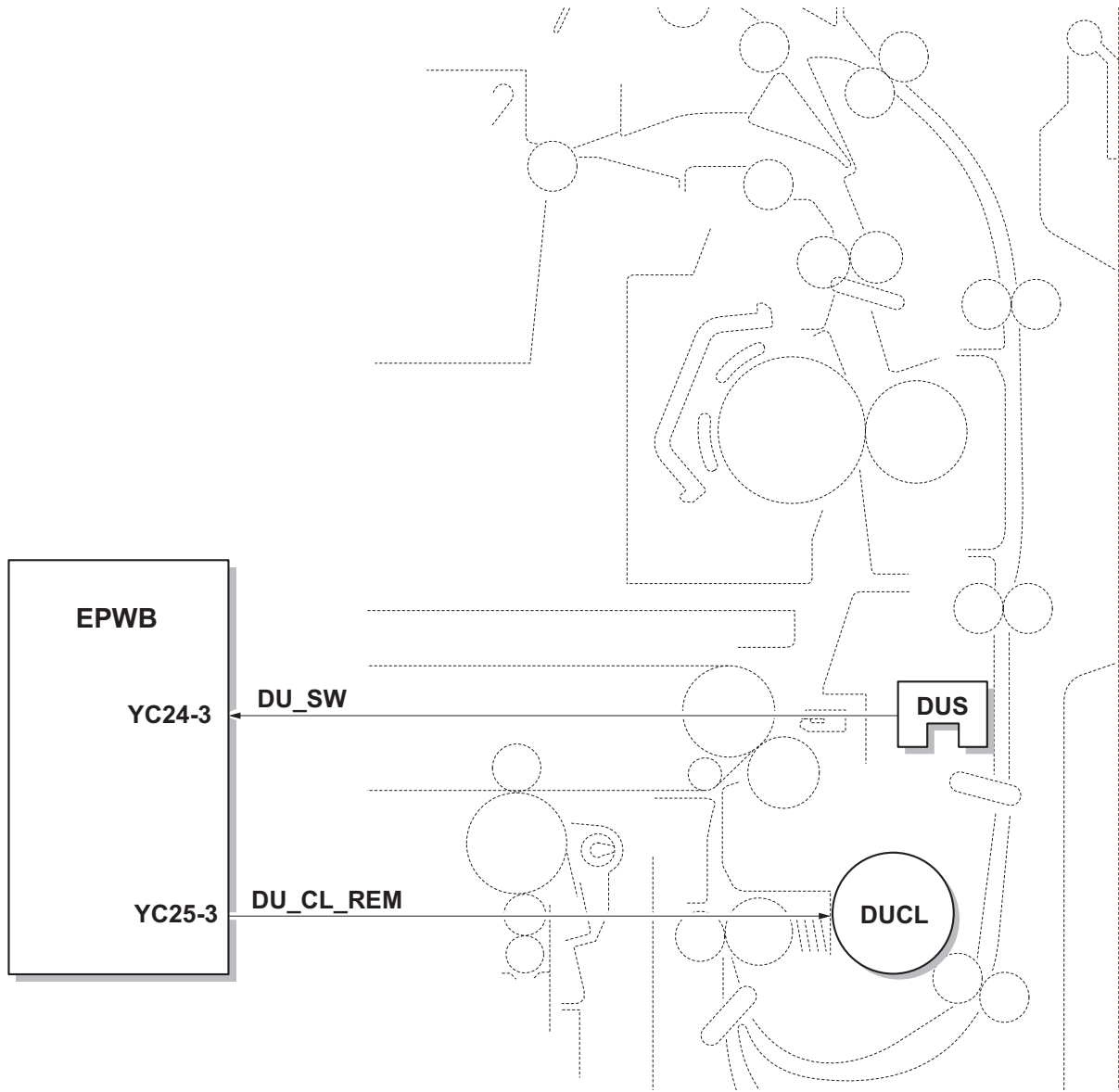


Figure 2-1-25 Duplex conveying section block diagram

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2-2-1 Electrical parts layout

(1) PWBs

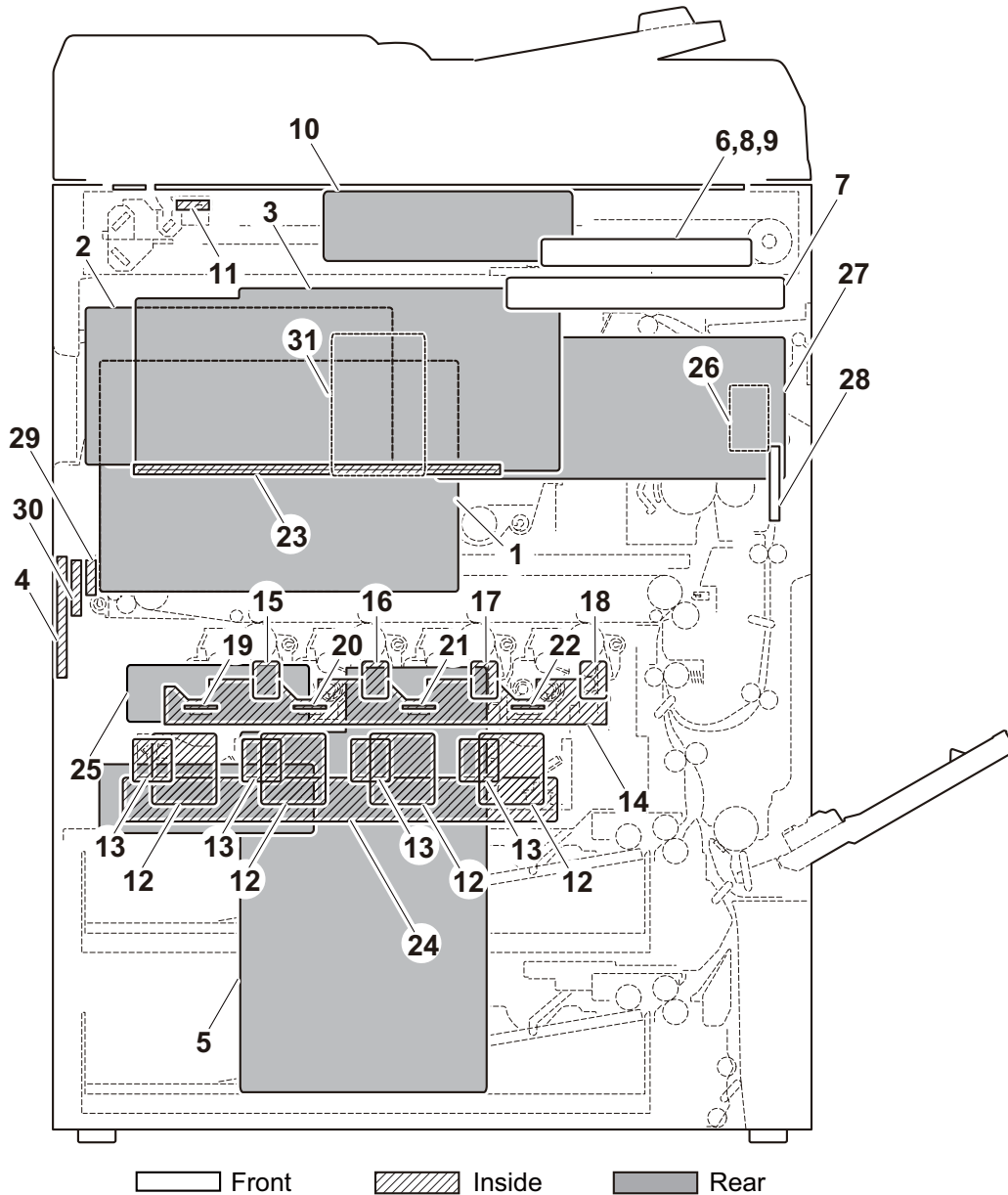


Figure 2-2-1 PWBs

1. Main PWB (MPWB) Controls the software for print data processing and provides the interface with computers.
2. Engine PWB (EPWB)..... Controls printer hardware such as high voltage/bias output control, paper conveying system control, and fuser temperature control, etc.
3. High voltage PWB (HVPWB) Generates main charging, developing bias, secondary transfer bias and separation bias.
4. High voltage PWB sub (HVPWB-S)..... Generates primary transfer bias, cleaning bias.
5. Power source PWB (PSPWB) After full-wave rectification of AC power source input, switching for converting to 24 V DC for output. Controls the fuser heater.
6. Operation panel PWB main (OPPWB-M) Consists of the LCD, LED indicators and key switches.
7. Operation panel PWB sub (OPPWB-S)..... Consists of the LED indicators and key switches.
8. LCD (LCD) LCD display.
9. Touch panel (TP)..... Operates the operation panel.
10. ISC PWB (ISCPWB) Controls the scanner section.
11. LED PWB (LEDPWB) Exposes originals.
12. APC PWB (APCPWB) Generates and controls the laser beam.
13. BD PWB (BDPWB) Controls horizontal synchronizing timing of laser beam.
14. Drum connect PWB (DRCPWB) Consists of wiring relay circuit between engine PWB and the drum unit.
15. Drum PWB Y (DRPWB-Y) Relays wirings from electrical components on the drum unit for yellow.
Stores the drum's identifications a EEPROM.
16. Drum PWB C (DRPWB-C)..... Relays wirings from electrical components on the drum unit for cyan.
Stores the drum's identifications a EEPROM.
17. Drum PWB M (DRPWB-M) Relays wirings from electrical components on the drum unit for magenta.
Stores the drum's identifications a EEPROM.
18. Drum PWB K (DRPWB-K) Relays wirings from electrical components on the drum unit for black.
Stores the drum's identifications a EEPROM.
19. Developer PWB Y (DEVPWB-Y) Relays wirings from electrical components on the developing unit for yellow.
Stores the developer's identifications a EEPROM.
20. Developer PWB C (DEVPWB-C) Relays wirings from electrical components on the developing unit for cyan.
Stores the developer's identifications a EEPROM.
21. Developer PWB M (DEVPWB-M) Relays wirings from electrical components on the developing unit for magenta.
Stores the developer's identifications a EEPROM.
22. Developer PWB K (DEVPWB-K) Relays wirings from electrical components on the developing unit for black.
Stores the developer's identifications a EEPROM.
23. RFID PWB (RFPWB) Reads the container information.
24. LSU connect PWB (LSUCPWB) Consists of wiring relay circuit between engine connect PWB and LSU unit.
25. Engine connect PWB (ECPWB) Consists of wiring relay circuit between engine PWB and drum connect PWB, transfer connect PWB, option unit.
26. Option connect PWB (OPCPWB) Consists of wiring relay circuit between key card, key counter and engine PWB.
27. IH PWB (IHPWB) Controls the temperature of the fuser unit.

28. Fuser PWB (FUPWB) Relays wirings from electrical components on the fuser unit.
Fuser individual information in EEPROM storage.
29. Transfer PWB (TCPWB) Relays wirings from electrical components on the intermediate transfer unit.
Intermediate transfer individual information in EEPROM storage.
30. Transfer connect PWB (TCCPWB) Consists of wiring relay circuit between engine connect PWB and Transfer PWB.
31. DP junction PWB (DPJPWB) Consists of wiring relay circuit between DP main PWB and ISC PWB.

PWB names conversion

No.	Name used in service manual	Name used in parts list
1	Main PWB (MPWB)	PARTS PWB MAIN ASSY SP
2	Engine PWB (EPWB)	PARTS PWB ENGINE ASSY SP
3	High voltage PWB (HVPWB)	PARTS HVU1 SP
4	High voltage PWB sub (HVPWB-S)	PARTS HVU2 SP
5	Power source PWB (PSPWB)	PARTS LVU MAIN 200 SP
6	Operation panel PWB main (OPPWB-M)	PARTS PWB PANEL MAIN ASSY SP
7	Operation panel PWB sub (OPPWB-S)	-
8	LCD (LCD)	PARTS LCD COLOR SP
9	Touch panel (TP)	-
10	ISC PWB (ISCPWB)	PARTS PWB ISC ASSY SP
11	LED PWB (LEDPWB)	-
12	APC PWB (APCPWB)	-
13	BD PWB (BDPWB)	-
14	Drum connect PWB (DRCPWB)	PARTS PWB DRUM DLP CONNECT ASSY SP
15	Drum PWB Y (DRPWB-Y)	-
16	Drum PWB C (DRPWB-C)	-
17	Drum PWB M (DRPWB-M)	-
18	Drum PWB K (DRPWB-K)	-
19	Developer PDB Y (DEVPWB-Y)	-
20	Developer PDB C (DEVPWB-C)	-
21	Developer PDB M (DEVPWB-M)	-
22	Developer PDB K (DEVPWB-K)	-
23	RFID PWB (RFIDPWB)	PARTS PWB RFID ASSY SP
24	LSU connect PWB (LSUCPWB)	PARTS PWB LSU CONNECT ASSY SP

No.	Name used in service manual	Name used in parts list
25	Engine connect PWB (ECPWB)	PARTS PWB ENGINE CONNECT ASSY SP
26	Option connect PWB (OPCPWB)	
27	IH PWB (IHPWB)	PARTS PWB IH 200 ASSY SP
28	Fuser PWB (FUPWB)	-
29	Transfer PWB (TCPWB)	-
30	Transfer connect PWB (TCCPWB)	PARTS PWB TRANSFER CONNECT ASSY SP
31	DP connect PWB	

(2) Switches and sensors

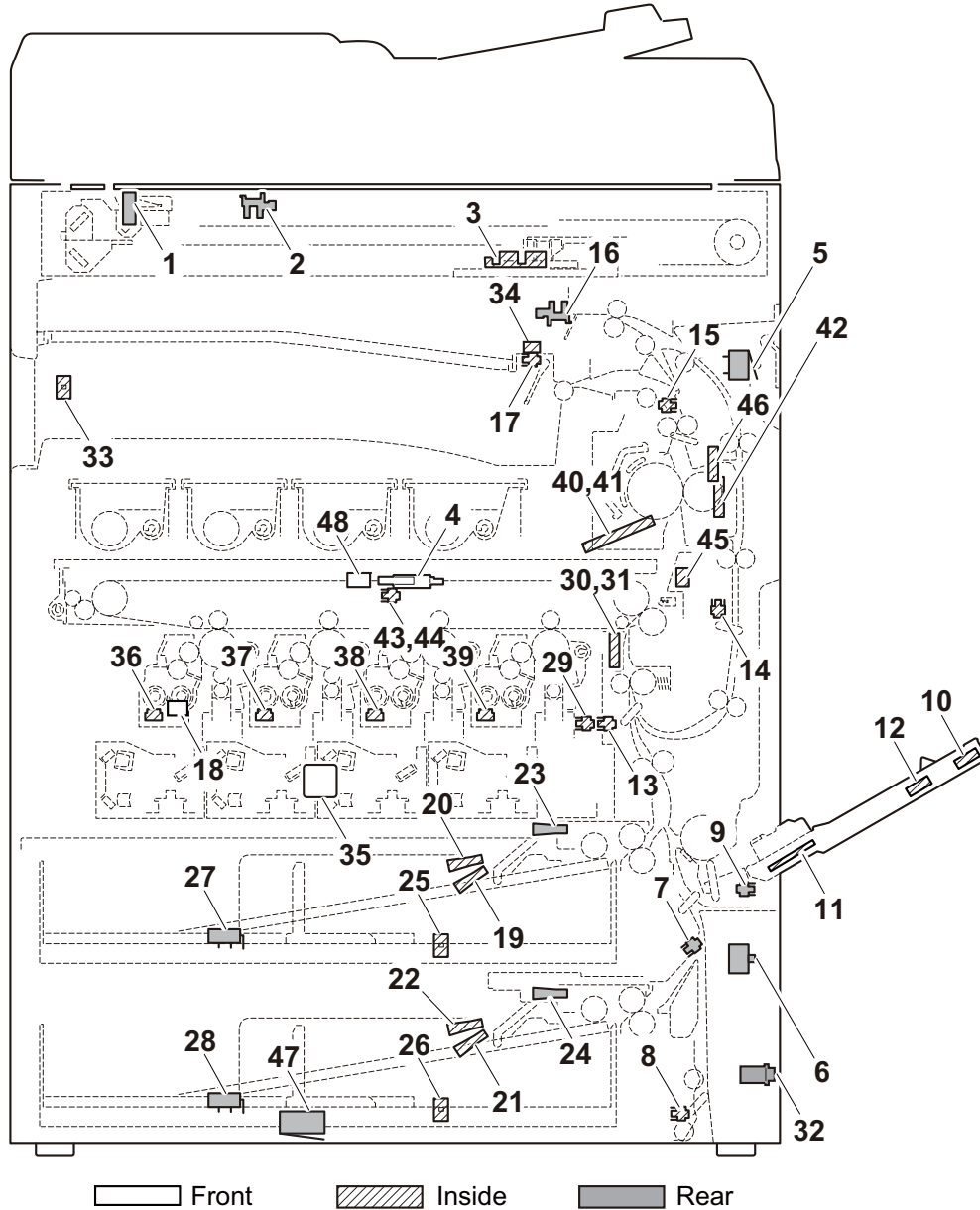


Figure 2-2-2 Switches and sensors

- 1. Home position sensor (HPS) Detects the ISU in the home position.
- 2. Original detection switch (ODSW) Operates the original size detection sensor.
- 3. Original size sensor (OSS) Detects the size of the original.
- 4. Front cover switch 1 (FCSW1) Detects the opening and closing of the front cover.
- 5. Right cover switch 1 (RCSW1) Detects the opening and closing of the right cover 1.
- 6. Right cover switch 2 (RCSW2) Detects the opening and closing of the right cover 2.
- 7. Feed sensor 1 (FS1) Detects a paper misfeed in the vertical conveying section.
- 8. Feed sensor 2 (FS2) Detects a paper misfeed in the vertical conveying section.
- 9. MP paper sensor (MPPS) Detects the presence of paper on the MP tray.
- 10. MP sub tray detection switch (MPTDSW) Detects the position of the MP sub tray.
- 11. MP paper width switch (MPPWSW) Detects the width of paper in the MP tray.
- 12. MP paper length switch (MPPLSW) Detects the length of paper in the MP tray.

13. Registration sensor (RS)..... Controls the secondary paper feed start timing.
14. Duplex sensor (DUS) Detects a paper jam in the duplex section.
15. Eject sensor (ES) Detects a paper misfeed in the fuser or eject section.
16. Job paper full sensor (JPFS) Detects the paper full in the job separator tray.
17. Paper full sensor (PFS)..... Detects the paper full in the inner tray.
18. Waste toner sensor (WTS)..... Detects when the waste toner box is full.
19. Paper sensor 1 (PS1) Detects the presence of paper in the cassette 1.
20. Paper sensor 2 (PS2) Detects the presence of paper in the cassette 1.
21. Paper sensor 3 (PS3) Detects the presence of paper in the cassette 2.
22. Paper sensor 4 (PS4) Detects the presence of paper in the cassette 2.
23. Lift sensor 1 (LS1)..... Detects activation of upper limit of the bottom plate in the cassette
1.
24. Lift sensor 2 (LS2)..... Detects activation of upper limit of the bottom plate in the cassette
2.
25. Paper size width switch 1 (PWSW1)..... Detects the width of paper in the cassette 1.
26. Paper size width switch 2 (PWSW2)..... Detects the width of paper in the cassette 2.
27. Paper size length switch 1 (PLSW1) Detects the length of paper in the cassette 1.
28. Paper size length switch 2 (PLSW2) Detects the length of paper in the cassette 2.
29. ID shutter sensor (IDSS)..... Detects the position of the iD shutter.
30. ID sensor 1 (IDS1) Measurement of density of toner at calibration.
31. ID sensor 2 (IDS2) Measurement of density of toner at calibration.
32. Main power switch (MSW) Turns ON/OFF the AC power source.
33. Bridge detection switch (BRDSW) Detects the presence of the bridge.
34. Job eject papersensor (JEPS) Detects the presence of paper in the job separator.
35. Temperature sensor (TEMS)..... Detects temperature and absolute humidity in machine.
36. Toner sensor Y (TS-Y) Detects the amount of toner remainder in the developing unit Y.
37. Toner sensor C (TS-C)..... Detects the amount of toner remainder in the developing unit C.
38. Toner sensor M (TS-M) Detects the amount of toner remainder in the developing unit M.
39. Toner sensor K (TS-K) Detects the amount of toner remainder in the developing unit K.
40. Fuser thermistor 1 (FTH1) Detects the heat roller temperature.(edge)
41. Fuser thermistor 2 (FTH2) Detects the heat roller temperature.(center)
42. Fuser thermistor 3 (FTH3) Detects the press roller temperature.
43. TC belt sensor 1 (TCBS1)..... Detects the position of the primary transfer belt.
44. TC belt sensor 2 (TCBS2)..... Detects the position of the primary transfer belt.
45. Fuser pre sensor (FUPS)..... Detects the JAM on this side of fuser.
46. Fuser roller rotation detection sensor
(FRS) Detects the rotation of the fuser roller.
47. Paper feeder detection switch
(PFDSW)..... Detects the presence of the paper feeder.
48. Front cover switch 2 (FCSW2)..... Detects the opening and closing of the front cover.

(3) Motors

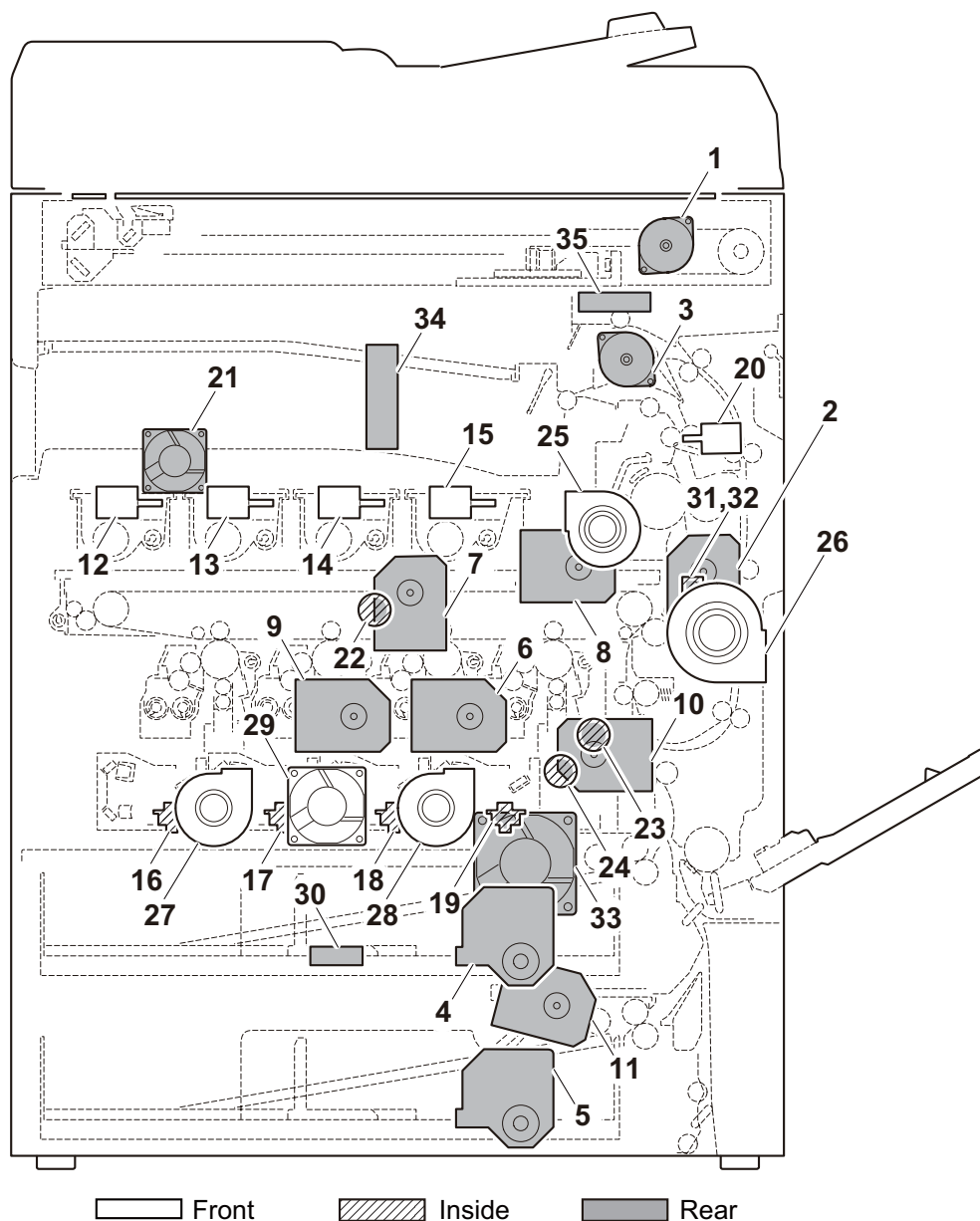


Figure 2-2-3 Motors

- 1. ISU motor (ISUM) Drives the ISU.
- 2. Fuser motor (FUM) Drives the fuser section.
- 3. Eject motor (EM) Drives the eject section.
- 4. Lift motor 1 (LM1)..... Operates the bottom plate in the cassette 1.
- 5. Lift motor 2 (LM2)..... Operates the bottom plate in the cassette 2.
- 6. Drum motor K (DRM-K) Drives the drum unit K.
- 7. Drum motor CMY (DRM-CMY) Drives the drum unit CMY.
- 8. Developer motor K (DEVM-K)..... Drives the developer unit K. Drives the transfer belt.
- 9. Developer motor CMY (DEVM-CMY) ... Drives the developer unit CMY.
- 10. Conveying motor 1 (CM1)..... Drives the paper feed section and conveying section.
- 11. Conveying motor 2 (CM2)..... Drives the paper feed section and conveying section.
- 12. Toner motor Y (TM-Y) Replenishes toner to the developer unit Y.
- 13. Toner motor C (TM-C)..... Replenishes toner to the developer unit C.

14. Toner motor M (TM-M) Replenishes toner to the developer unit M.
15. Toner motor K (TM-K) Replenishes toner to the developer unit K.
16. Polygon motor Y (PM-Y) Drives the polygon mirror Y.
17. Polygon motor C (PM-C)..... Drives the polygon mirror C.
18. Polygon motor M (PM-M)..... Drives the polygon mirror M.
19. Polygon motor K (PM-K) Drives the polygon mirror K.
20. Fuser press release motor (FPRM) Drives the pressure release system of the fuser.
21. Controller fan motor (CONFM)..... Cools the controller section.
22. Transfer belt release motor (TCBRM)... Drives the transfer belt release.
23. ID shutter motor (IDSM)..... Drives the ID sensor cleaning section.
24. LSU cleaning motor (LSUCM) Drives the LSU cleaning section.
25. Container / IH coil fan motor
(C/IHCFM)..... Cools the containers and the IH coil.
26. Developer fan motor 1 (DEVFM1) Cools the developer section.
27. Developer fan motor 2 (DEVFM2) Cools the developer section.
28. Developer fan motor 3 (DEVFM3) Cools the developer section.
29. LSU fan motor (LSUFM) Cools the LSU section.
30. Power source fan motor (PSFM) Cools the power source PWB.
31. Fuser fan motor 1 (FUFM1) Cools the fuser and eject sections.
32. Fuser fan motor 2 (FUFM2) Cools the fuser and eject sections.
33. Imaging fan motor (IMGFM)..... Cools the imaging section.
34. IH fan motor (IHFM) Cools the IH PWB.
35. Eject fan motor (EFM)..... Disperses steam.

(4) Others

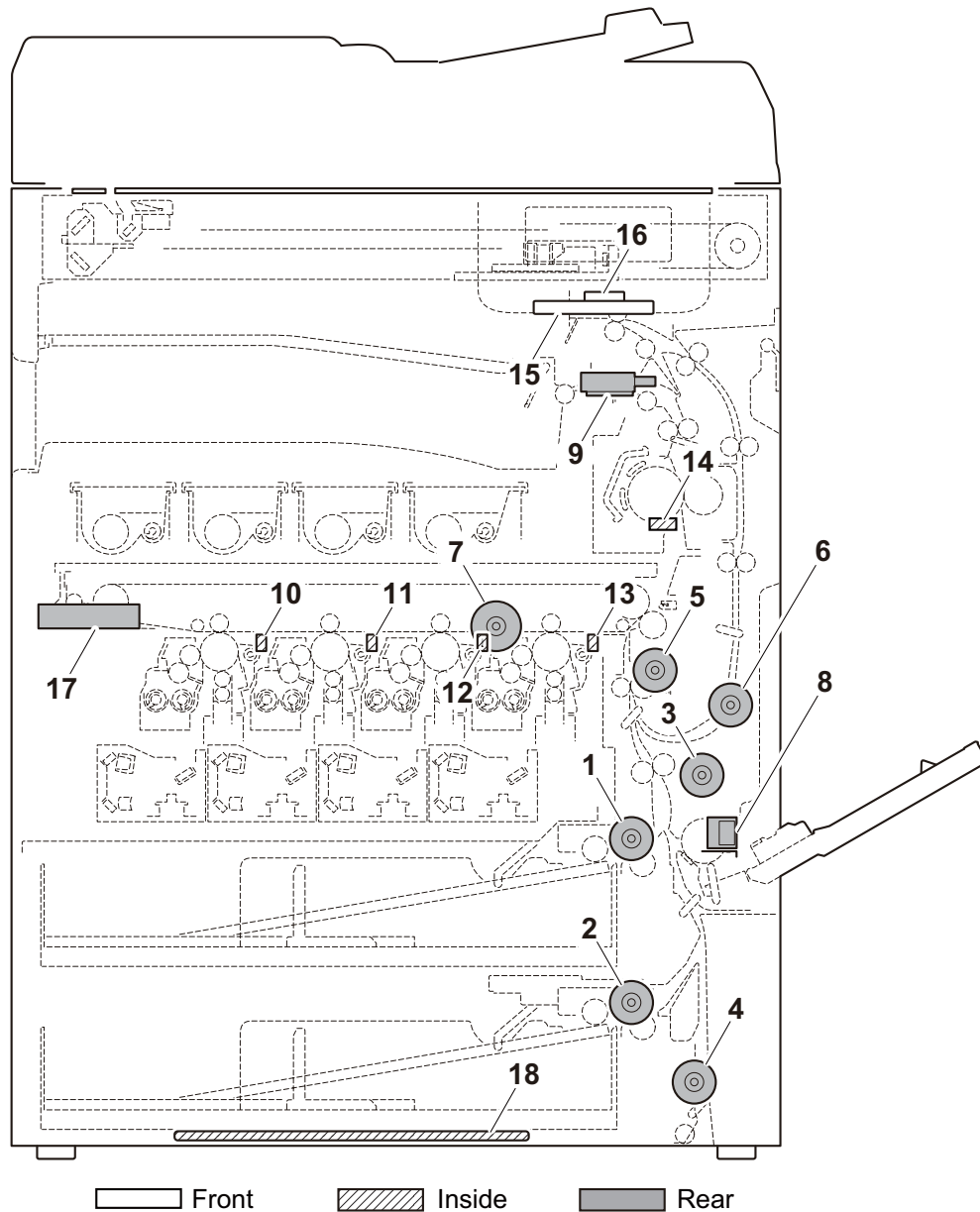


Figure 2-2-4 Others

- 1. Paper feed clutch 1 (PFCL1) Controls the primary paper feed from cassette 1.
- 2. Paper feed clutch 2 (PFCL2) Controls the primary paper feed from cassette 2.
- 3. Mid clutch 1 (MCL1)..... Controls the paper conveying.
- 4. Mid clutch 2 (MCL2)..... Controls the paper conveying.
- 5. Registration clutch (RCL)..... Controls the secondary paper feed.
- 6. Duplex clutch (DUCL) Controls the drive of the duplex feed roller.
- 7. Developer stop clutch (DEVSCCL)..... Controls the drive of the developer.
- 8. MP solenoid (MPSOL) Controls the MP bottom plate.
- 9. Feedshift solenoid (FSSOL)..... Operates the feedshift guide.
- 10. Cleaning lamp Y (CL-Y) Eliminates the residual electrostatic charge on the drum.
- 11. Cleaning lamp C (CL-C)..... Eliminates the residual electrostatic charge on the drum.
- 12. Cleaning lamp M (CL-M)..... Eliminates the residual electrostatic charge on the drum.
- 13. Cleaning lamp K (CL-K)..... Eliminates the residual electrostatic charge on the drum.
- 14. Fuser thermostat (FTS)..... Prevents overheating of the heat roller.

15. Operation panel PWB (OPPWB) Displays the operating state.
16. Speaker (SPK) Generates an error sound.
17. Hard disk (HDD)..... Stores the image data and information of job accounting mode.
18. Cassette heater (CH) Dehumidifies the cassette section.

2-3-1 Main PWB

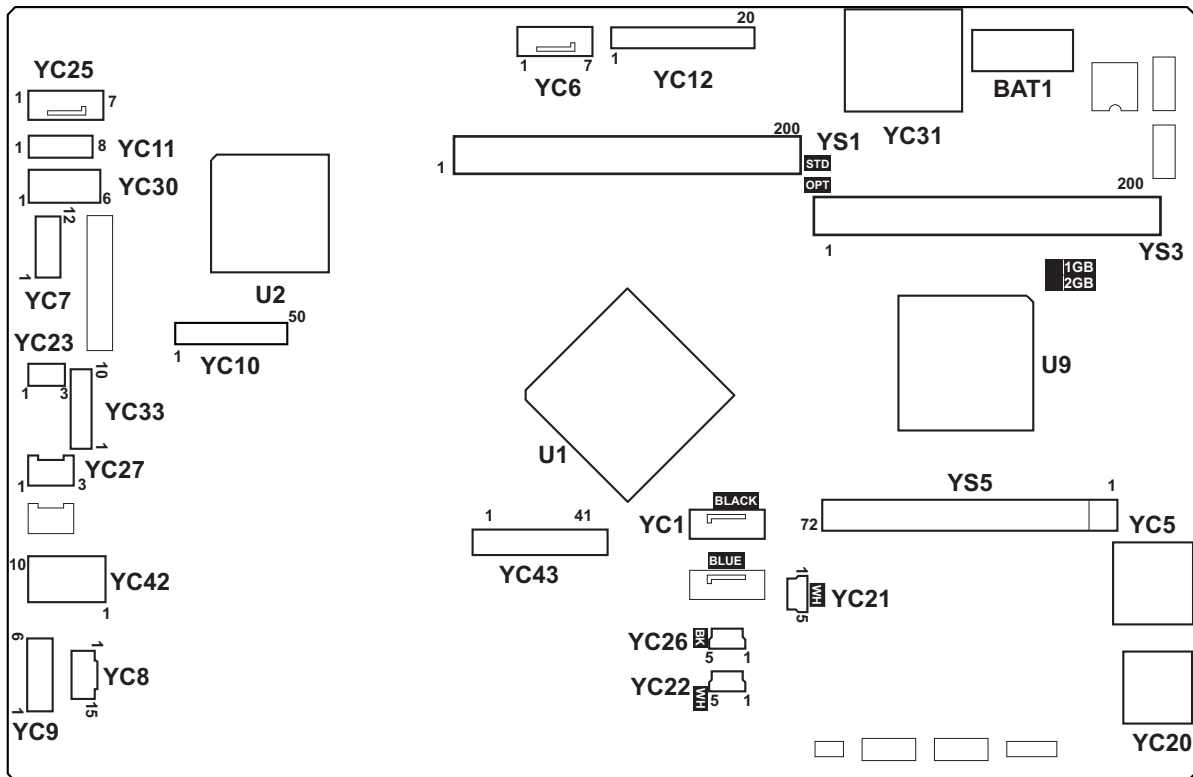
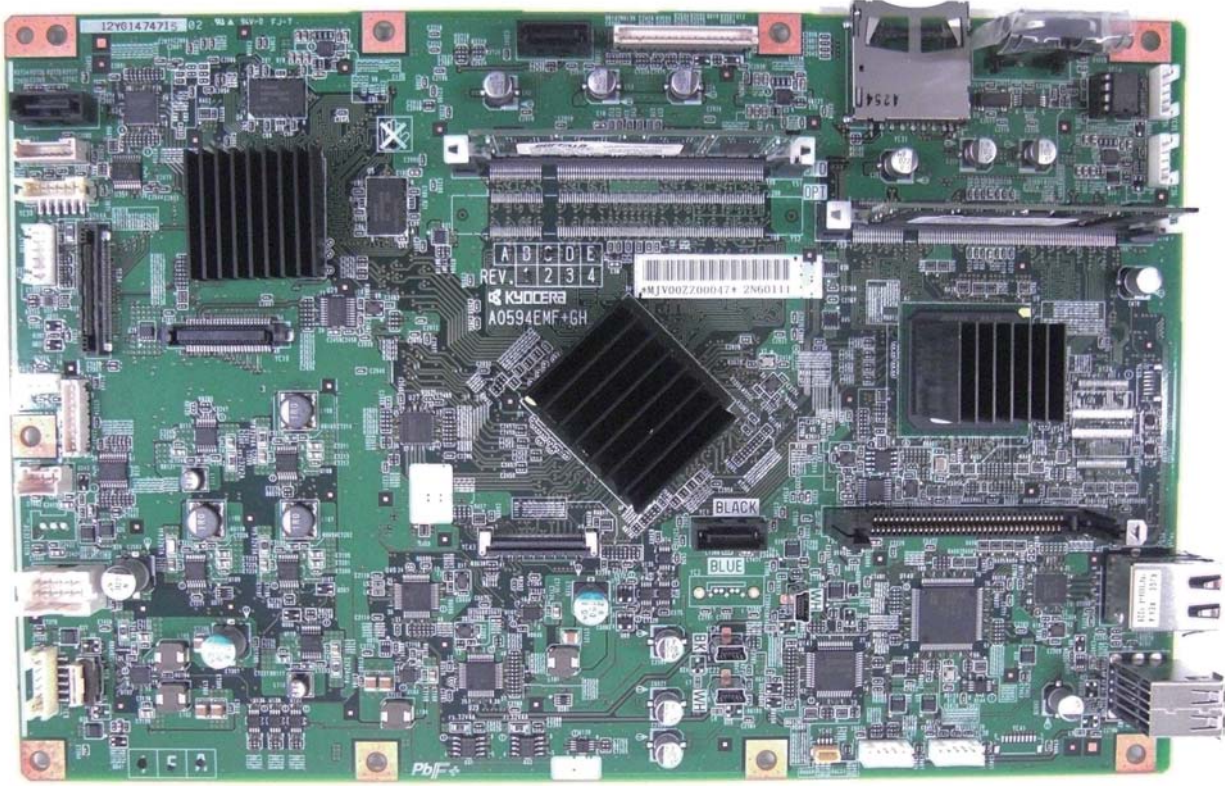


Figure 2-3-1 Main PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to hard disk.	1	GND	-	-	Ground
	2	TXP	O	-	HDD data signal
	3	TXN	O	-	HDD data signal
	4	GND	-	-	Ground
	5	RXN	I	-	HDD data signal
	6	RXP	I	-	HDD data signal
	7	GND	-	-	Ground
YC5 Connected to ethernet	1	TD1+	O	0/3.3 V DC(pulse)	Transmission data
	2	TD1-	O	0/3.3 V DC(pulse)	Transmission data
	3	TD2+	O	0/3.3 V DC(pulse)	Transmission data
	4	TD2-	O	0/3.3 V DC(pulse)	Transmission data
	5	CT1	O	3.3 V DC	3.3 V DC power output
	6	CT2	O	3.3 V DC	3.3 V DC power output
	7	TD3+	O	0/3.3 V DC(pulse)	Transmission data
	8	TD3-	O	0/3.3 V DC(pulse)	Transmission data
	9	TD4+	O	0/3.3 V DC(pulse)	Transmission data
	10	TD4-	O	0/3.3 V DC(pulse)	Transmission data
	11	GRLED_A1	O	0/3.3 V DC	LED emitter signal
	12	GRLED_K1	O	0/3.3 V DC	LED emitter signal
	13	YWLED_A2	O	0/3.3 V DC	LED emitter signal
	14	YWLED_K2	O	0/3.3 V DC	LED emitter signal
	15	LockPin1	-	-	-
	16	LockPin2	-	-	-
YC6 Connected to operation panel PWB main	1	GND	-	-	Ground
	2	LCD_OFF	O	0/3.3 V DC	LCD off signal
	3	LOCKN	I	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	TX0N	I	0/3.3 V DC(pulse)	Send data signal
	6	TX0P	I	0/3.3 V DC(pulse)	Send data signal
	7	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC7 Connected to KMAS	1	KMDET	I	0/3.3 V DC	KMAS set signal
	2	NC	-	-	Not used
	3	KMDREQ	I	0/3.3 V DC	KMAS control signal
	4	KMACK	O	0/3.3 V DC	KMAS control signal
	5	KMRXD	O	0/3.3 V DC(pulse)	KMAS received data signal
	6	SGND	-	-	Ground
	7	KMTXD	I	0/3.3 V DC(pulse)	KMAS transmission data signal
	8	SGND	-	-	Ground
	9	SGND	-	-	Ground
	10	SGND	-	-	Ground
	11	+5V	O	5 V DC	5 V DC power output to KMAS
	12	+5V	O	5 V DC	5 V DC power output to KMAS
YC8 Connected to KUIO relay PWB	1	VBUS1	O	3.3 V DC	3.3V DC power output to VPWB
	2	USB_DN1	I/O	-	USB data signal
	3	USB_DP1	I/O	-	USB data signal
	4	GND	-	-	Ground
	5	AUDIO1	I	Analog	AUDIO signal
	6	WAKEUP1	O	0/3.3 V DC	Control signal
	7	RESET1	I	0/3.3 V DC	Reset signal
	8	GND	-	-	Ground
	9	VBUS0	O	3.3 V DC	3.3V DC power output to VPWB
	10	USB_DN0	I/O	-	USB data signal
	11	USB_DP0	I/O	-	USB data signal
	12	GND	-	-	Ground
	13	AUDIO0	I	Analog	AUDIO signal
	14	WAKEUP0	O	0/3.3 V DC	Control signal
	15	RESET	I	0/3.3 V DC	Reset signal
YC9 Connected to KUIO relay PWB	1	GND	-	-	Ground
	2	5V_CUT0	I	0/3.3 V DC	5 V DC cut signal
	3	GND	-	-	Ground
	4	5V	O	5 V DC	5V DC power output to VPWB
	5	GND	-	-	Ground
	6	5V_CUT1	I	0/3.3 V DC	5 V DC cut signal

Connector	Pin	Signal	I/O	Voltage	Description
YC10	1	DP_CONECT N	I	0/3.3 V DC	DPRPWB control signal
Connected to DPIFPWB	2	DP_SYSCLK OUT	O	0/3.3 V DC(pulse)	DPRPWB clock signal
	3	PCIEN3_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	4	GND	-	-	Ground
	5	PCIEP3_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	PCIEN_REFC LK_DP	O	0/3.3 V DC(pulse)	DPRPWB clock signal
	9	GND	-	-	Ground
	10	PCIEP_REFC LK_DP	O	0/3.3 V DC(pulse)	DPRPWB clock signal
	11	PCIEN3_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	12	GND	-	-	Ground
	13	PCIEP3_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	14	GND	-	-	Ground
	15	GND	-	-	Ground
	16	URAN_RSTN	O	0/3.3 V DC	DPRPWB control signal
	17	PCIEN2_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	18	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	19	PCIEP2_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	20	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	21	GND	-	-	Ground
	22	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	23	PCIEN2_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	24	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	25	PCIEP2_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	26	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	27	GND	-	-	Ground
	28	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB

Connector	Pin	Signal	I/O	Voltage	Description
YC10	29	PCIEN1_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
Connected to DPIFPWB	30	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	31	PCIEP1_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	32	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	33	GND	-	-	Ground
	34	+3.3V3	-	3.3 V DC	3.3V DC power output to DPRPWB
	35	PCIEN1_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	36	GND	-	-	Ground
	37	PCIEP1_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	38	GND	-	-	Ground
	39	GND	-	-	Ground
	40	GND	-	-	Ground
	41	PCIEN0_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	42	GND	-	-	Ground
	43	PCIEP0_DP2 A	I	0/3.3 V DC(pulse)	Image data signal
	44	GND	-	-	Ground
	45	GND	-	-	Ground
	46	PCIEN0_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	47	GND	-	-	Ground
	48	PCIEP0_A2D P	O	0/3.3 V DC(pulse)	Image data signal
	49	PCIE3_SWRS T_A2DP	O	0/3.3 V DC(pulse)	DPRPWB clock signal
50	GND	-	-	Ground	
YC11	1	GND	-	-	Ground
Connected to ISC PWB	2	SC_IRN	O	0/3.3 V DC	Scanner interrupt signal
	3	SC_DIR	O	0/3.3 V DC	Scanner communication direction signal
	4	SC_HLDN	O	0/3.3 V DC	Scanner hold signal
	5	SC_BSY	O	0/3.3 V DC	Scanner busy signal
	6	SC_SI	O	0/3.3 V DC(pulse)	Serial communication data signal
	7	SC_SO	I	0/3.3 V DC(pulse)	Serial communication data signal
	8	SC_CLK	O	0/3.3 V DC(pulse)	Scanner clock signal

Connector	Pin	Signal	I/O	Voltage	Description
YC12	1	HUMAN_SEN S_FAR	-	-	Not used
Connected to operation panel PWB main	2	JOB_LED	O	0/3.3 V DC	JOB LED control signal
	3	5V0	O	5V DC	5 V DC power output to OPPWB-M
	4	HUMAN_SEN S_NEAR	-	-	Not used
	5	ANY_KEY	I	0/3.3 V DC	ANY KEY return signal
	6	C2P_SCK	O	0/3.3 V DC(pulse)	Panel clock signal
	7	P2C_SBSY	I	0/3.3 V DC	Panel busy signal
	8	P2C_SDIR	I	0/3.3 V DC	Panel communication direction signal
	9	C2P_SDAT	O	0/3.3 V DC(pulse)	Serial communication data signal
	10	P2C_SDAT	I	0/3.3 V DC(pulse)	Serial communication data signal
	11	GND	-	-	Ground
	12	PANEL_RESE T	O	0/3.3 V DC	Reset signal
	13	BEEP_POWE RON	O	0/3.3 V DC	Sleep return signal
	14	LED_MEMOR Y	O	0/3.3 V DC	Memory LED control signal
	15	LED_ATTENT ION	O	0/3.3 V DC	Attention LED control signal
	16	LED_PROCE SSING	O	0/3.3 V DC	Processing LED control signal
	17	AUDIO	O	Analog	Audio output signal
	18	INT_POWER KEY	I	0/3.3 V DC	Power key: On/Off
	19	GND	-	-	Ground
	20	LIGHTOFF_P OWERON	O	0/3.3 V DC	Sleep return signal
	YC20	A1	VBUS_A	O	5 V DC
Connected to USB interface	A2	D-_A	I/O	-	USB data signal
	A3	D+_A	I/O	-	USB data signal
	A4	GND_A	-	-	Ground
	B1	VBUS_B	O	5 V DC	5 V DC power output
	B2	D-_B	I/O	-	USB data signal
	B3	D+_B	I/O	-	USB data signal
	B4	GND_B	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC21 Connected to USB host	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA-	I/O	-	USB data signal
	3	DATA+	I/O	-	USB data signal
	4	ID	-	-	Not used
	5	GND	-	-	Ground
YC22 Connected to USB keyboard	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA-	I/O	-	USB data signal
	3	DATA+	I/O	-	USB data signal
	4	NC	-	-	Not used
	5	GND	-	-	Ground
YC23 Connected to controller fan motor	1	SPEED CONTROL	O	5 V DC	CONFM: On/Off
	2	GND	-	-	Ground
	3	5V	O	5 V DC	5 V DC power output
YC25 Connected to ISC PWB	1	GND	-	-	Ground
	2	HTPDN	I	0/3.3 V DC	Control signal
	3	LOCKN	I	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	RX0N	I	0/3.3 V DC(pulse)	Received data signal
	6	RX0P	I	0/3.3 V DC(pulse)	Received data signal
	7	GND	-	-	Ground
YC26 Connected to Card reader	1	VBUS	O	5 V DC	5 V DC power output
	2	DATA-	I/O	-	USB data signal
	3	DATA+	I/O	-	USB data signal
	4	NC	-	-	Not used
	5	GND	-	-	Ground
YC27 Connected to hard disk	1	GND	-	-	Ground
	2	+5V_HDD	O	5 V DC	5 V DC power output to HDD
	3	GND	-	-	Ground
YC30 Connected to operation panel PWB main	1	+5V	O	5 V DC	5 V DC power input from OPPWB-M
	2	+5V	O	5 V DC	5 V DC power input from OPPWB-M
	3	+5V	O	5 V DC	5 V DC power input from OPPWB-M
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC31 Connected to SD card	1	CD/DAT3	I/O	0/3.3 V DC	Control signal
	2	CMD	I/O	0/3.3 V DC	Control signal
	3	VSS	-	-	Ground
	4	VDD	-	0/3.3 V DC	Control signal
	5	CLK	-	0/3.3 V DC	Control signal
	6	VSS	-	-	Ground
	7	DAT0	I/O	0/3.3 V DC(pulse)	Data bus signal
	8	DAT1	I/O	0/3.3 V DC(pulse)	Data bus signal
	9	DAT2	I/O	0/3.3 V DC(pulse)	Data bus signal
	10	CD	I	0/3.3 V DC	Control signal
	11	COMMON	-	0/3.3 V DC	Control signal
	12	WP	I	0/3.3 V DC	Control signal
YC42 Connected to power source PWB	1	5V	I	5 V DC	5 V DC power input from PSPWB
	2	GND	-	-	Ground
	3	5V	I	5 V DC	5 V DC power input from PSPWB
	4	GND	-	-	Ground
	5	5V	I	5 V DC	5 V DC power input from PSPWB
	6	GND	-	-	Ground
	7	5V	I	5 V DC	5 V DC power input from PSPWB
	8	GND	-	-	Ground
	9	5V	I	5 V DC	5 V DC power input from PSPWB
	10	GND	-	-	Ground
YC43 Connected to engine PWB	1	SLEEP_INT	O	0/3.3 V DC	Sleep signal
	2	EGSCLK	O	0/3.3 V DC(pulse)	Engine clock signal
	3	EGSI	O	0/3.3 V DC(pulse)	Serial communication data signal
	4	EGSDIR	O	0/3.3 V DC	Engine communication direction signal
	5	EGSBSY	O	0/3.3 V DC	Engine busy signal
	6	EGSO	I	0/3.3 V DC(pulse)	Serial communication data signal
	7	EGSIRN	O	0/3.3 V DC	Engine interrupt signal
	8	JS_LED	O	0/3.3 V DC	LED control signal
	9	ENG_OFF	O	0/3.3 V DC	Engine off signal
	10	HOLD_ENG	O	0/3.3 V DC	Engine hold signal
	11	SLEEP	O	0/3.3 V DC	Sleep signal
	12	HSYNCD_P	O	0/3.3 V DC(pulse)	Image control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC43	13	HSYNCD_N	O	0/3.3 V DC(pulse)	Image control signal
Connected to engine PWB	14	HSYNCC_P	O	0/3.3 V DC(pulse)	Image control signal
	15	HSYNCC_N	O	0/3.3 V DC(pulse)	Image control signal
	16	HSYNCB_P	O	0/3.3 V DC(pulse)	Image control signal
	17	HSYNCB_N	O	0/3.3 V DC(pulse)	Image control signal
	18	HSYNCA_P	O	0/3.3 V DC(pulse)	Image control signal
	19	HSYNCA_N	O	0/3.3 V DC(pulse)	Image control signal
	20	VSYNCD_P	O	0/3.3 V DC(pulse)	Image control signal
	21	VSYNCD_N	O	0/3.3 V DC(pulse)	Image control signal
	22	VSYNCC_P	O	0/3.3 V DC(pulse)	Image control signal
	23	VSYNCC_N	O	0/3.3 V DC(pulse)	Image control signal
	24	VSYNCB_P	O	0/3.3 V DC(pulse)	Image control signal
	25	VSYNCB_N	O	0/3.3 V DC(pulse)	Image control signal
	26	VSYNCA_P	O	0/3.3 V DC(pulse)	Image control signal
	27	VSYNCA_N	O	0/3.3 V DC(pulse)	Image control signal
	28	GND	-	-	Ground
	29	TCLKP	O	0/3.3 V DC(pulse)	Clock signal
	30	TCLKN	O	0/3.3 V DC(pulse)	Clock signal
	31	GND	-	-	Ground
	32	TCP	O	0/3.3 V DC(pulse)	Image control signal
	33	TCN	O	0/3.3 V DC(pulse)	Image control signal
	34	GND	-	-	Ground
	35	TBP	O	0/3.3 V DC(pulse)	Image control signal
	36	TBN	O	0/3.3 V DC(pulse)	Image control signal
	37	GND	-	-	Ground
	38	TAP	O	0/3.3 V DC(pulse)	Image control signal
	39	TAN	O	0/3.3 V DC(pulse)	Image control signal
	40	GND	-	-	Ground

2-3-2 Engine PWB

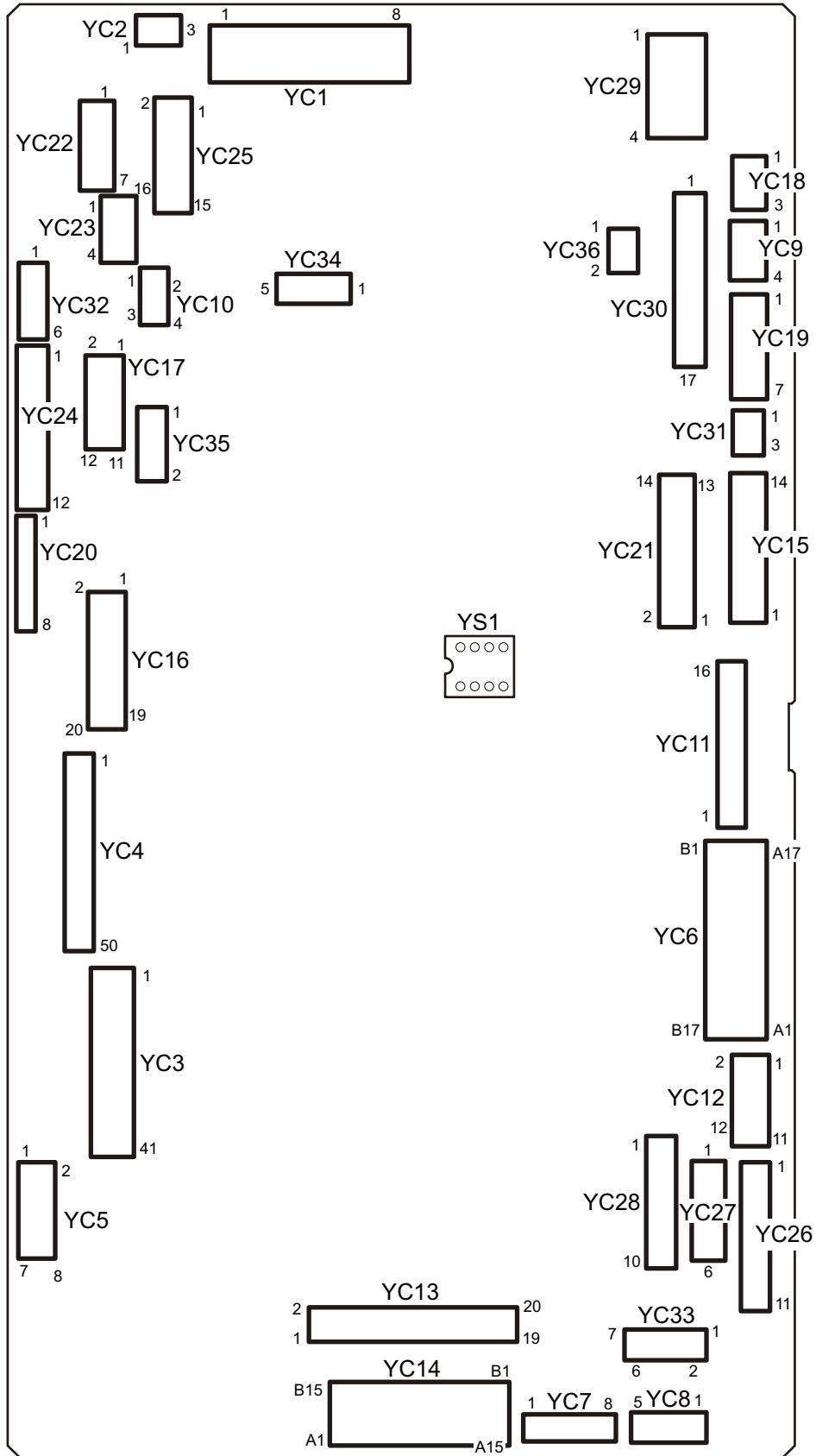


Figure 2-3-2 Engine PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to power source PWB	1	GND	-	-	Ground
	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	GND	-	-	Ground
	5	5V0	I	5V DC	5 V DC power input from PSPWB
	6	24V1	I	24 V DC	24 V DC power input from PSPWB
	7	24V1	I	24 V DC	24 V DC power input from PSPWB
	8	24V1	I	24 V DC	24 V DC power input from PSPWB
YC2 Connected to power source PWB	1	GND	-	-	Ground
	2	DRMHEAT_REM	O	0/5 V DC	FH: On/Off
	3	POWER_OFF	O	0/5 V DC	Sleep mode signal : On/Off
YC3 Connected to main PWB	1	SLEEP_INT	O	0/3.3 V DC	Sleep signal
	2	G6_EG_SCLK	I	0/3.3 V DC(pulse)	Engine clock signal
	3	G6_EG_SI	I	0/3.3 V DC(pulse)	Serial communication data signal
	4	G6_EG_SDIR	O	0/3.3 V DC	Engine communication direction signal
	5	G6_EG_SBSY	O	0/3.3 V DC	Engine busy signal
	6	G6_EG_SO	O	0/3.3 V DC(pulse)	Serial communication data signal
	7	G6_EG_IRN	O	0/3.3 V DC	Engine interrupt signal
	8	JS_LED	I	0/3.3 V DC	LED control signal
	9	ENG_OFF(NC)	-	-	Not used
	10	HLD_ENG	O	0/3.3 V DC	Engine hold signal
	11	SLEEP_ENG	O	0/3.3 V DC	Sleep signal
	12	HSYNC_DP	O	0/3.3 V DC(pulse)	Image control signal
	13	HSYNC_DN	O	0/3.3 V DC(pulse)	Image control signal
	14	HSYNC_CP	O	0/3.3 V DC(pulse)	Image control signal
	15	HSYNC_CN	O	0/3.3 V DC(pulse)	Image control signal
	16	HSYNC_BP	O	0/3.3 V DC(pulse)	Image control signal
	17	HSYNC_BN	O	0/3.3 V DC(pulse)	Image control signal
	18	HSYNC_AP	O	0/3.3 V DC(pulse)	Image control signal
	19	HSYNC_AN	O	0/3.3 V DC(pulse)	Image control signal
	20	VSYNC_DP	O	0/3.3 V DC(pulse)	Image control signal
	21	VSYNC_DN	O	0/3.3 V DC(pulse)	Image control signal
	22	VSYNC_CP	O	0/3.3 V DC(pulse)	Image control signal
	23	VSYNC_CN	O	0/3.3 V DC(pulse)	Image control signal
	24	VSYNC_BP	O	0/3.3 V DC(pulse)	Image control signal
	25	VSYNC_BN	O	0/3.3 V DC(pulse)	Image control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC3 Connected to main PWB	26	VSYNC_AP	O	0/3.3 V DC(pulse)	Image control signal
	27	VSYNC_AN	O	0/3.3 V DC(pulse)	Image control signal
	28	GND	-	-	Ground
	29	SAR_VCLK_P	I	0/3.3 V DC(pulse)	Clock signal
	30	SAR_VCLK_N	I	0/3.3 V DC(pulse)	Clock signal
	31	GND	-	-	Ground
	32	SAR_CH3_P	I	0/3.3 V DC(pulse)	Image control signal
	33	SAR_CH3_N	I	0/3.3 V DC(pulse)	Image control signal
	34	GND	-	-	Ground
	35	SAR_CH2_P	I	0/3.3 V DC(pulse)	Image control signal
	36	SAR_CH2_N	I	0/3.3 V DC(pulse)	Image control signal
	37	GND	-	-	Ground
	38	SAR_CH1_P	I	0/3.3 V DC(pulse)	Image control signal
	39	SAR_CH1_N	I	0/3.3 V DC(pulse)	Image control signal
	40	GND	-	-	Ground
YC4 Connected to engine connect PWB	1	ID1S	I	Analog	IDS1 detection signal
	2	ID1P	I	Analog	IDS1 detection signal
	3	LEDREF1	O	Analog	IDS1 control signal
	4	ID2S	I	Analog	IDS2 detection signal
	5	ID2P	I	Analog	IDS2 detection signal
	6	LEDREF2	O	Analog	IDS2 control signal
	7	FAN_C_HALF	O	0/3.3 V DC	FM2 drive change signal
	8	FAN_C_FULL	O	0/3.3 V DC	FM2: On/Off
	9	RESIST_SW	I	0/3.3 V DC	RS: On/Off
	10	PAPER_WSIZ E1	I	0/3.3 V DC	PWSW1: On/Off
	11	PAPER_LSIZ E1_1	I	0/3.3 V DC	PLSW1: On/Off
	12	PAPER_LSIZ E1_2	I	0/3.3 V DC	PLSW1: On/Off
	13	PAPER_LSIZ E1_3	I	0/3.3 V DC	PLSW1: On/Off
	14	PAPEMP2	I	0/3.3 V DC	PS2: On/Off
	15	PAPEMP1	I	0/3.3 V DC	PS1: On/Off
	16	LIFT_FULL1_ SW	I	0/3.3 V DC	LS1: On/Off
	17	LIFT_MOT1_ ALM	O	0/3.3 V DC	Alarm signal

Connector	Pin	Signal	I/O	Voltage	Description
YC4	18	LIFT_MOT1_REM	O	0/3.3 V DC	LM1: On/Off
Connected to engine connect PWB	19	LIFT_MOT2_ALM	O	0/3.3 V DC	Alarm signal
	20	LIFT_MOT2_REM	O	0/3.3 V DC	LM2: On/Off
	21	LIFT_FULL2_SW	I	0/3.3 V DC	LS2: On/Off
	22	PF_PAUSE	O	0/3.3 V DC	PF control signal
	23	PF_SET	I	0/3.3 V DC	PF sleep return signal
	24	PF_RDY	I	0/3.3 V DC	ready signal
	25	PF_SEL	O	0/3.3 V DC	PF select signal
	26	PF_SO	O	0/3.3 V DC(pulse)	Serial communication data signal
	27	PF_SI	I	0/3.3 V DC(pulse)	Serial communication data signal
	28	PF_CLK	O	0/3.3 V DC(pulse)	Clock signal
	29	FAN_B_HALF	O	0/3.3 V DC	CM1 drive change signal
	30	FAN_B_FULL	O	0/3.3 V DC	CM1: On/Off
	31	WTC_FULL_IN	I	Analog	WTDS detection voltage
	32	WTC_FULL_OUT	O	0/3.3 V DC	WTDS: On/Off
	33	ERASER_EN_BK	O	0/3.3 V DC	CL-K: On/Off
	34	DLP_TH	I	Analog	DEVTH detection voltage
	35	TCSSENS_BK	I	Analog	TS-K detection voltage
	36	TCSSENS_M	I	Analog	TS-M detection voltage
	37	TCSSENS_C	I	Analog	TS-C detection voltage
	38	ERASER_EN_COL	O	0/3.3 V DC	CL-YCM: On/Off
	39	TCSSENS_Y	I	Analog	TS-Y detection voltage
	40	BLTHP2	I	0/3.3 V DC	BDS2: On/Off
	41	BLTHP?	I	0/3.3 V DC	BDS1: On/Off
	42	ID_CL_HP_SW	I	0/3.3 V DC	IDS: On/Off
	43	GND	-	-	Ground
	44	DLP_DRUM_SDA	I/O	0/3.3 V DC	Data signal
	45	GND	-	-	Ground
46	DLP_DRUM_SCL	O	0/3.3 V DC	Clock signal	

Connector	Pin	Signal	I/O	Voltage	Description	
YC4	47	GND	-	-	Ground	
	Connected to engine connect PWB	48	BLT_SDA	I/O	0/3.3 V DC	Data signal
		49	GND	-	-	Ground
		50	BLT_SCL	O	0/3.3 V DC	Clock signal
YC5	1	3.3V1	O	3.3 V DC	3.3 V DC power output to ECPWB	
	Connected to engine connect PWB	2	3.3V2	O	3.3 V DC	3.3 V DC power output to ECPWB
		3	GND	-	-	Ground
		4	GND	-	-	Ground
		5	ID_CL_MOT_OUTA	O	24 V DC	IDSMS drive voltage output
	6	ID_CL_MOT_OUTB	O	24 V DC	IDSMS drive voltage output	
	7	BLT_MOT_OTA	O	24 V DC	TCBRM drive voltage output	
	8	BLT_MOT_OTB	O	24 V DC	TCBRM drive voltage output	
YC6	A1	AC_MAIN_CO NT_C	O	Analog	Developer AC bias control voltage (cyan)	
	Connected to high voltage PWB	A2	AC_MAIN_CO NT_M	O	Analog	Developer AC bias control voltage (magenta)
		A3	DC_MAIN_CO NT_C	O	Analog	Chager roller control voltage (cyan)
		A4	HVU_CLK_C	O	DC0V/10V(pulse)	Developer bias clock signal (cyan)
		A5	DC_SLV_C	O	Analog	Developer sleeve roller bias control voltage (cyan)
		A6	DC_MAG_Y	O	Analog	Developer magnet roller bias control voltage (yellow)
		A7	DC_MAG_C	O	Analog	Developer magnet roller bias control voltage (cyan)
		A8	DC_SLV_Y	O	Analog	Developer sleeve roller bias control voltage (yellow)
		A9	DC_MAIN_CO NT_Y	O	Analog	Chager roller control voltage (yellow)
		A10	AC_MAIN_CO NT_Y	O	Analog	Developer AC bias control voltage (yellow)
		A11	HVU_CLK_Y	O	DC0V/10V(pulse)	Developer bias clock signal (yellow)
		B1	GND	-	-	Ground
		B2	GND	-	-	Ground
		B3	SP_CONT	O	Analog	Separation control signal
B4	T2_CONT	O	Analog	Secondary transfer control voltage		

Connector	Pin	Signal	I/O	Voltage	Description
YC6 Connected to high voltage PWB	B5	MISENS	I	Analog	Chager roller AC current signal
	B6	HVU1_REM	O	0/10 to 24 V DC (pulse)	Developer bias remote signal
	B7	DC_SLV_BK	O	Analog	Developer sleeve roller bias control voltage (black)
	B8	DC_MAG_M	O	Analog	Developer magnet roller bias control voltage (magenta)
	B9	DC_MAG_BK	O	Analog	Developer magnet roller bias control voltage (black)
	B10	DC_SLV_M	O	Analog	Developer sleeve roller bias control voltage (magenta)
	B11	DC_MAIN_CO NT_BK	O	Analog	Chager roller control voltage (black)
	B12	DC_MAIN_CO NT_M	O	Analog	Chager roller control voltage (magenta)
	B13	AC_MAIN_CO NT_BK	O	Analog	Developer AC bias control voltage (black)
	B14	HVU_CLK_BK	O	0/10 V DC (pulse)	Developer bias clock signal (black)
	B15	HVU_CLK_M	O	0/10 V DC (pulse)	Developer bias clock signal (magenta)
	B16	24VIL3	O	24 V DC	24 V DC power output to HVPWB
	B17	24VIL3	O	24 V DC	24 V DC power output to HVPWB
	YC8 Connected to temperature sensor	1	GND	-	-
2		TMPDATA	I	Analog	TEMS detection voltage (temperature)
3		HUM_CLK1	O	0/3.3 V DC(pulse)	TEMSClock signal
4		HUM_CLK2	O	0/3.3 V DC(pulse)	TEMSClock signal
5		HUMDATA	I	Analog	TEMS detection voltage (humidity)
YC7 Connected to high voltage PWB sub	1	GND	-	-	Ground
	2	T1_CONT_BK	O	Analog	Primary transfer bias control voltage (black)
	3	T1_CONT_C	O	Analog	Primary transfer bias control voltage (magenta)
	4	CL_CONT	O	Analog	Cleaning bias control voltage
	5	HVU2_REM	O	0/10 to 24 V DC (pulse)	Transfer bias remote signal
	6	T1_CONT_Y	O	Analog	Primary transfer bias control voltage (yellow)
	7	T1_CONT_M	O	Analog	Primary transfer bias control voltage (cyan)
	8	24VIL3	O	24 V DC	24 V DC power output to HVPWB-S

Connector	Pin	Signal	I/O	Voltage	Description
YC9 Connected to RFID PWB	1	3.3V1	O	3.3 V DC	3.3 V DC power output to RFPWB
	2	RFID_SCL	O	0/3.3 V DC(pulse)	RFIDPWB EEPROM clock signal
	3	RFID_SDA	I/O	0/3.3 V DC(pulse)	RFIDPWB EEPROM data signal
	4	GND	-	-	Ground
YC10 Connected to sub PWB	1	SUB_SCL	O	3.3V	Clock signal
	2	SUB_SDA	I/O	3.3V	Data signal
	3	GND	-	-	Ground
	4	3.3V1	O	3.3 V DC	3.3 V DC power output to SUBPWB
YC11 Connected to option connectin PWB	?	GND	-	-	Ground
	2	DC1_SET	I	0/3.3 V DC	Key counter install signal
	3	DC1_COUNT	O	0/3.3 V DC	Key counter count signal
	4	24V1	O	24 V DC	24 V DC power output to Key counter
	5	GND	-	-	Ground
	6	5V1	O	5 V DC	5 V DC power output to Key card
	7	MK2_RKEY7	O	0/3.3 V DC	Key card control signal
	8	MK2_RKEY6	O	0/3.3 V DC	Key card control signal
	9	MK2_RKEY5	O	0/3.3 V DC	Key card control signal
	10	MK2_RKEY4	O	0/3.3 V DC	Key card control signal
	11	MK2_RKEY3	O	0/3.3 V DC	Key card control signal
	12	MK2_RKEY2	O	0/3.3 V DC	Key card control signal
	13	MK2_RKEY1	O	0/3.3 V DC	Key card control signal
	14	MK2_RKEY0	O	0/3.3 V DC	Key card control signal
	15	MK2_ENBL	I	0/3.3 V DC	Key card enable signal
	16	MK2_COUNT	O	0/3.3 V DC	Key card count signal
YC12 Connected to coin vender	1	24V1	O	24 V DC	24 V DC power output to coin vender
	2	GND	-	-	Ground
	3	GND	-	-	Ground
	4	MCV_ENBL	I	0/3.3 V DC	Coin vender enable signal
	5	GND	-	-	Ground
	6	MCV_FED_C OUNT	O	0/5 V DC	Coin vender control signal
	7	MCV_EJE_C OUNT	O	0/5 V DC	Coin vender control signal
	8	MCV_COPY_ SIG	O	0/5 V DC	Coin vender control signal

Connector	Pin	Signal	I/O	Voltage	Description
YC12 Connected to coin vender	9	MCV_TXD	O	0/5 V DC(pulse)	Serial comunication data signal
	10	GND	-	-	Ground
	11	MCV_RXD	I	0/5 V DC(pulse)	MCV: On/Off
	12	GND	-	-	Ground
YC13 Connected to LSU connect PWB	1	DATABK_N	O	LVDS	Video data LVDS(-) (black)
	2	DATABK_N	O	LVDS	Video data LVDS(+) (black)
	3	SH_BK	O	0/3.3 V DC	Sample/hold signal (black)
	4	BD_BK	I	0/3.3 V DC(pulse)	Horizontal Synchronizing signal (black)
	5	GND	-	-	Ground
	6	DATAM_N	O	LVDS	Video data LVDS(-) (magenta)
	7	DATAM_P	O	LVDS	Video data LVDS(+) (magenta)
	8	SH_M	O	0/3.3 V DC	Sample/hold signal (magenta)
	9	BD_M	I	0/3.3 V DC(pulse)	Horizontal Synchronizing signal (magenta)
	10	GND	-	-	Ground
	11	DATA_C_N	O	LVDS	Video data LVDS(-) (cyan)
	12	DATA_C_P	O	LVDS	Video data LVDS(+) (cyan)
	13	SH_C	O	0/3.3 V DC	Sample/hold signal (cyan)
	14	BD_C	I	0/3.3 V DC(pulse)	Horizontal Synchronizing signal (cyan)
	15	GND	-	-	Ground
	16	DATAY_N	O	LVDS	Video data LVDS(-) (yellow)
	17	DATAY_P	O	LVDS	Video data LVDS(+) (yellow)
	18	SH_Y	O	0/3.3 V DC	Sample/hold signal (yellow)
	19	BD_Y	I	0/3.3 V DC(pulse)	Horizontal Synchronizing signal (yellow)
	20	GND	-	-	Ground
YC14 Connected to LSU connect PWB	A1	3.3VIL2	O	3.3 V DC	3.3 V DC power output to BDPWB
	A2	GND	-	-	Ground
	A3	THLSUBK	I	Analog	LSU thermistor signal
	A4	LSU_BK_EN	O	0/3.3 V DC	APCPWB laser enable signal
	A5	LSU_COLOR_EN	O	0/3.3 V DC	APCPWB laser enable signal
	A6	POLCLK_Y	O	0/5 V DC(pulse)	PMClock signal
	A7	POLREM_Y	O	0/3.3 V DC	PM: On/Off
	A8	POLCLK_C	O	0/5 V DC (pulse)	PM clock signal
	A9	POLRDY_M	I	0/3.3 V DC	PM ready signal
	A10	POLCLK_M	O	0/5 V DC (pulse)	PM clock signal
	A11	POLCLK_BK	O	0/5 V DC (pulse)	PM clock signal

Connector	Pin	Signal	I/O	Voltage	Description
YC14 Connected to LSU connect PWB	A12	GND	-	-	Ground
	A13	24V1	O	24 V DC	24 V DC power output to PM
	A14	GND	-	-	Ground
	A15	24V1	O	24 V DC	24 V DC power output to PM
	B1	LSU_MOT_O UTB	O	24 V DC/0V	LSUCM drive voltage output
	B2	LSU_MOT_O UTA	O	24 V DC/0V	LSUCM drive voltage output
	B3	POLREM_BK	O	0/3.3 V DC	PM: On/Off
	B4	24V1	O	24 V DC	24 V DC power output to PM
	B5	POLRDY_BK	I	0/3.3 V DC	PM ready signal
	B6	POLREM_M	O	0/3.3 V DC	PM: On/Off
	B7	POLREM_C	O	0/3.3 V DC	PM: On/Off
	B8	POLRDY_C	I	0/3.3 V DC	PMready signal
	B9	VCONTK	O	Analog	APCPWB laser power reference voltage
	B10	POLRDY_Y	I	0/3.3 V DC	PM ready signal
	B11	VCONTM	O	Analog	APCPWB laser power reference voltage
B12	THLSUY	I	Analog	LSU thermistor signal	
B13	VCONTY	O	Analog	APCPWB laser power reference voltage	
B14	GND	-	-	Ground	
B15	VCONTC	O	Analog	APCPWB laser power reference voltage	
YC15 Connected to bridge PWB	1	FAN_REM		0/3.3 V DC	BRFM: On/Off
	2	BRIDGE_VRE F		Analog	BRCM control signal
	3	BRIDGE_RE M	O	0/3.3 V DC	BRCM: On/Off
	4	BRIDGE_CLK	O	0/3.3 V DC(pulse)	BRCM clock signal
	5	BRIDGE_PH0	O	0/3.3 V DC	BRCM control signal
	6	BRIDGE_PH1	O	0/3.3 V DC	BRCM control signal
	7	BRIDGE_DET	I	0/3.3 V DC	BRPWB existence detection signal
	8	BRIDGE_SEN S1	I	0/3.3 V DC	BRCS1: On/Off
	9	BRIDGE_SEN S2	I	0/3.3 V DC	BRCS2: On/Off
	10	COVER_OPE N	I	0/3.3 V DC	BRCSW: On/Off
	11	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description	
YC15	12	GND	-	-	Ground	
	Connected to bridge PWB	13	3.3V1	O	3.3 V DC	24 V DC power output to BRES
	14	24V1	O	24 V DC	24 V DC power output to BRPWB	
YC16	1	DLPCDIR	O	0/5 V DC	DEVM-YCM drive change signal	
	Connected to developer motor YCM, developer stop clutch, drum motor YCM, drum motor K	2	DLPCRDY	I	0/3.3 V DC	DEVM-YCM ready signal
	3	DLPCCLK	O	0/5 V DC (pulse)	DEVM-YCM clock signal	
	4	DLPCREM	O	0/5 V DC	DEVM-YCM: On/Off	
	5	GND	-	-	Ground	
	6	24V1	O	24 V DC	24 V DC power output to DEVM-YCM	
	7	24V1F1	O	24 V DC	24 V DC power output to DEVSCL	
	8	CLDLPREM	O	0/24 V DC	DEVSCL: On/Off	
	9	DLMCDIR	O	0/5 V DC	DRM-YCM drive change signal	
	10	DLMCRDY	I	0/3.3 V DC	DRM-YCM ready signal	
	11	DLMCCLK	O	0/5 V DC (pulse)	DRM-YCM Clock signal	
	12	DLMCREM	O	0/5 V DC	DRM-YCM: On/Off	
	13	GND	-	-	Ground	
	14	24VIL3	O	24 V DC	24 V DC power output to DRM-YCM	
	15	DRMKDIR	O	0/5 V DC	DRM-K drive change signal	
	16	DRMKRDY	I	0/3.3 V DC	DRM-K ready signal	
	17	DRMKCLK	O	0/5 V DC (pulse)	DRM-K clock signal	
	18	DRMKREM	O	0/5 V DC	DRM-K: On/Off	
	19	GND	-	-	Ground	
	20	24VIL3	O	24 V DC	24 V DC power output to DRM-K	
YC17	1	DLPKDIR	O	0/5 V DC	DEVM-K drive change signal	
	Connected to developer motor K, fuser motor	2	DLPKRDY	I	0/3.3 V DC	DEVM-Kready signal
	3	DLPKCLK	O	0/5 V DC (pulse)	DEVM-KClock signal	
	4	DLPKREM	O	0/5 V DC	DEVM-K: On/Off	
	5	GND	-	-	Ground	
	6	24VIL3	O	24 V DC	24 V DC power output to DEVM-K	
	7	FUSERDIR	O	0/5 V DC	FUM drive change signal	
	8	FUSERRDY	I	0/3.3 V DC	FUMready signal	
	9	FUSERCLK	O	0/5 V DC (pulse)	FUMClock signal	
	10	FUSERREM	O	0/5 V DC	FUM: On/Off	
	11	GND	-	-	Ground	
	12	24VIL3	O	24 V DC	24 V DC power output to FUM	

Connector	Pin	Signal	I/O	Voltage	Description
YC18 Connected to IH fan motor	1	24V1	O	24 V DC	24 V DC power output to IHFM
	2	IH_FAN1_RE M	O	0/24 V DC	IHFM: On/Off
	3	IH_FAN1_AL M	I	0/3.3 V DC	IHFM alarm signal
YC19 Connected to container/IH coil fan motor, developer fan motor1 and eject fanmotor	1	24V1F3	O	24 V DC	24 V DC power output to C/IHCFM
	2	IH_FAN2_RE M	O	0/24 V DC	C/IHCFM: On/Off
	3	IH_FAN2_AL M	I	0/3.3 V DC	C/IHCFM alarm signal
	4	24VIL3	O	24 V DC	24 V DC power output to DEVFM1
	5	DLP_FAN_RE M	O	0/24 V DC	DEVFM1: On/Off
	6	24V1	O	24 V DC	24 V DC power output to EFM
	7	CON_FAN_R EM	O	0/24 V DC	EFM: On/Off
YC20 Connected to toner motor Y/C/M/K	1	24V1F1	O	24 V DC	24 V DC power output to TM-Y
	2	TN_MOT_RE M_Y	O	0/24 V DC	TM-Y: On/Off
	3	24V1F1	O	24 V DC	24 V DC power output to TM-C
	4	TN_MOT_RE M_C	O	0/24 V DC	TM-C: On/Off
	5	24V1F1	O	24 V DC	24 V DC power output to TM-M
	6	TN_MOT_RE M_M	O	0/24 V DC	TM-M: On/Off
	7	24V1F1	O	24 V DC	24 V DC power output to TM-K
	8	TN_MOT_RE M_BK	O	0/24 V DC	TM-K: On/Off
YC21 Connected to feed sift solenoid, eject motor, paper full sensor, job paper full sensor	1	EJE_SOL_RE M	O	0/24 V DC	FSSOL: On/Off
	2	24V1F2	O	24 V DC	24 V DC power output to FSSOL
	3	EJE_MOT_/B	O	0/24 V DC (pulse)	EM drive control signal
	4	EJE_MOT_/A	O	0/24 V DC (pulse)	EM drive control signal
	5	EJE_MOT_B	O	0/24 V DC (pulse)	EM drive control signal
	6	EJE_MOT_A	O	0/24 V DC (pulse)	EM drive control signal
	7	3.3V1_A	O	3.3 V DC	3.3 V DC power output to PFS
	8	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC21 Connected to feed sift solenoid, eject motor, paper full sensor, job paper full sensor	9	EJE_FULL_UP	I	0/3.3 V DC	PFS: On/Off
	10	3.3V1_A	O	3.3 V DC	3.3 V DC power output to JEPS
	11	GND	-	-	Ground
	12	EJE_FULL_DWN	I	0/3.3 V DC	JEPS: On/Off
	13	GND	-	-	Ground
	14	JS_LED	O	0/3.3 V DC	JLED: On/Off
YC22 Connected to MP tray detection switch, MP paper length switch, MP paper width switch	1	3.3V1	O	3.3 V DC	3.3 V DC power output to MPPWSW
	2	MPF_WSIZE	I	0/3.3 V DC	MPPWSW: On/Off
	3	MPF_LSIZE	I	0/3.3 V DC	MPPLSW: On/Off
	4	GND	-	-	Ground
	5	3.3V1_A	O	3.3 V DC	3.3 V DC power output to MPPLSW
	6	MPF_TRAY	I	0/3.3 V DC	MPTDSW: On/Off
	7	GND	-	-	Ground
YC23 Connected to fuser fanmotor1 and 2	1	24VIL3F1	O	24 V DC	24 V DC power output to FUFM1
	2	FUSER_FAN1_REM	O	0/24 V DC	FUFM1: On/Off
	3	24VIL3	O	24 V DC	24 V DC power output to FUFM2
	4	FUSER_FAN2_REM	O	0/24 V DC	FUFM2: On/Off
YC24 Connected to duplex sensor, MP paper sensor, eject sensor, feed sensor1	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to DUS
	2	GND	-	-	Ground
	3	DU_SW	I	0/3.3 V DC	DUS: On/Off
	4	GND	-	-	Ground
	5	LOOP_SW	I	0/3.3 V DC	FUPS: On/Off
	6	5V1	-	5 V DC	5 V DC power output to FUPS
	7	3.3V2_A	O	3.3 V DC	3.3 V DC power output to MPPS
	8	GND	-	-	Ground
	9	MPF_PAPER_SET	I	0/3.3 V DC	MPPS: On/Off
	10	3.3V1_A	O	3.3 V DC	3.3 V DC power output to FS1
	11	GND	-	-	Ground
	12	FEED_SW	I	0/3.3 V DC	FS1: On/Off

Connector	Pin	Signal	I/O	Voltage	Description
YC25 Connected to MP solenoid, duplex clutch, middle clutch1, paper feed clutch1, conveying motor1	1	24V1F1	O	24 V DC	24 V DC power output to MPSOL
	2	MPF_SOL_REM	O	0/24 V DC	MPSOL: On/Off
	3	DU_CL_REM	O	0/24 V DC	DUCL: On/Off
	4	24V1F1	O	24 V DC	24 V DC power output to DUCL
	5	RES_CL_REM	O	0/24 V DC	RCL: On/Off
	6	24V1F1	O	24 V DC	24 V DC power output to RCL
	7	MID_CL_REM	O	0/24 V DC	MCL1: On/Off
	8	24V1F1	O	24 V DC	24 V DC power output to MCL1
	9	FEED1_CL_REM	O	0/24 V DC	PFCL1: On/Off
	10	24V1F1	O	24 V DC	24 V DC power output to PFCL1
	11	FEED1_MOT_DIR	O	0/5 V DC	CM1 drive change signal
	12	FEED1_MOT_RDY	I	0/3.3 V DC	CM1ready signal
	13	FEED1_MOT_CLK	O	0/5 V DC (pulse)	CM1Clock signal
	14	FEED1_MOT_REM	O	0/5 V DC	CM1: On/Off
	15	GND	-	-	Ground
	16	24VIL3	O	24 V DC	24 V DC power output to CM1
YC26 Connected to paper sensor3,4, feed sensor2 and right cover switch2	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to PS3
	2	GND	-	-	Ground
	3	PAPEMP3	I	0/3.3 V DC	PS3: On/Off
	4	3.3V1_A	O	3.3 V DC	3.3 V DC power output to PS4
	5	GND	-	-	Ground
	6	PAPEMP4	I	0/3.3 V DC	PS4: On/Off
	7	3.3V1_A	O	3.3 V DC	3.3 V DC power output to FS2
	8	GND	-	-	Ground
	9	FEED2_SW	I	0/3.3 V DC	FS2: On/Off
	10	RCOVER	I	0/3.3 V DC	RCSW2: On/Off
	11	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC27 Connected to paper length switch2, paper width switch2	1	PAPER_LSIZE2_3	I	0/3.3 V DC	PLSW2_3: On/Off
	2	PAPER_LSIZE2_2	I	0/3.3 V DC	PLSW2_2: On/Off
	3	GND	-	-	Ground
	4	PAPER_LSIZE2_1	I	0/3.3 V DC	PLSW2_1: On/Off
	5	PAPER_WSIZE2	I	0/3.3 V DC	PWSW2: On/Off
	6	GND	-	-	Ground
YC28 Connected to conveying motor2, paper feed clutch2, middle clutch2	1	FEED2_CL_REM	O	0/24 V DC	PFCL2: On/Off
	2	24V1	O	24 V DC	24 V DC power output to PFCL2
	3	MID_CL_REM2	O	0/24 V DC	MCL2: On/Off
	4	24V1	O	24 V DC	24 V DC power output to MCL2
	5	GND	O	0/5 V DC	CM2 drive change signal
	6	FEED2_MOT_RDY	I	0/3.3 V DC	CM2ready signal
	7	FEED2_MOT_CLK	O	0/5 V DC (pulse)	CM2Clock signal
	8	FEED2_MOT_REM	O	0/5 V DC	CM2: On/Off
	9	GND	-	-	Ground
	10	24VIL3	O	24 V DC	24 V DC power output to CM2
YC29 Connected to right cover switch1, front cover switch	1	24VIL2 S	I	24 V DC	24 V DC power input from RCSW1
	2	24VIL1 S	O	24 V DC	24 V DC power output to RCSW1
	3	24VIL1 F	I	24 V DC	24 V DC power input from FCSW
	4	24V1 F	O	24 V DC	24 V DC power output to FCSW
YC30 Connected to fuser thermistor 1,2 and eject sensor, fuser press release motor	1	PRESS_MOT_OUTA	O	0/24 V DC	PRM drive voltage output
	2	PRESS_MOT_OUTB	O	24 V DC	PRM drive voltage output
	3	3.3V1_A	O	3.3 V DC	3.3 V DC power output to ES
	4	GND	-	-	Ground
	5	FSR_SW	I	0/3.3 V DC	ES: On/Off
	6	3.3V1_A	O	3.3 V DC	3.3 V DC power output to FPRS
	7	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC30	8	FSR_PRE_SW	I	0/3.3 V DC	FPRS: On/Off
Connected to fuser thermistor 1,2 and eject sensor, fuser press release motor	9	HR_NCTH1	I	Analog	FTH detection voltage (center)
	10	HR_NCTH2	O	3.3V	Clock signal
	11	PR_TH	I	Analog	FTH detection voltage (press roller)
	12	FUSER_SDA	I	Analog	FTH detection voltage (center)
	13	FUSER_SCL	I	Analog	FTH detection voltage (center)
	14	3.3V1	O	3.3 V DC	3.3 V DC power output to FTH
	15	HR_EDGE	I	Analog	FTH detection voltage (edge)
	16	GND	-	-	Ground
	17	ROTATION	I	3.3 V DC	Rotation detection
YC31	1	GND	-	-	Ground
Connected to IH PWB	2	IH_RELAY	O	3.3 V DC	Relay remote
	3	24V1	O	24 V DC	24 V DC power output to IHPWB
YC32	1	IH_RXD	I	3.3 V DC	Data input
Connected to IH PWB	2	IH_TXD	O	3.3 V DC	Data out put
	3	IH_ROT	O	3.3 V DC	Rotation detection
	4	HEARTREM	O	3.3 V DC	Heater remote
	5	3.3V1	O	3.3 V DC	3.3 V DC power output to IHPWB?
	6	GND	-	-	Ground
YC33	1	DF_CLK	O	0/3.3 V DC(pulse)	DFMPWBClock signalReset signal
Connected to DF main PWB	2	DF_SDO	O	0/3.3 V DC(pulse)	DFMPWBSerial communication data signal
	3	DF_SEL	O	0/3.3 V DC	DFMPWB select signal
	4	DF_SDI	O	0/3.3 V DC(pulse)	DFMPWBSerial communication data signal
	5	DF_RDY	I	0/3.3 V DC	DFMPWBready signal
	6	DF_DET	O	0/3.3 V DC	DFMPWB connect signal
	7	GND	-	-	Ground
YC36	1	FCOVER1	I	0/3.3 V DC	FCSW2: On/Off
Connected to front cover switch2	2	GND	-	-	Ground

2-3-3 Engine connect PWB

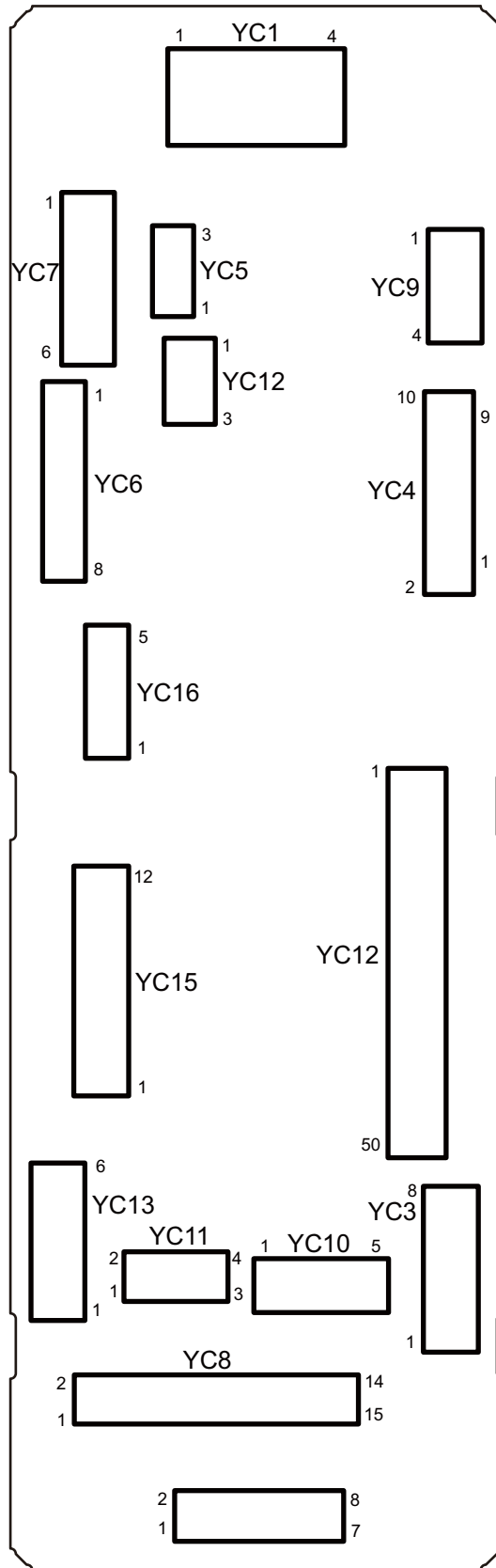


Figure 2-3-3 Engine connect PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1 Connected to power source PWB	1	24V1	I	24 V DC	24 V DC power input from PSPWB
	2	24V1	I	24 V DC	24 V DC power input from PSPWB
	3	GND	-	-	Ground
	4	GND	-	-	Ground
YC2 Connected to engine PWB	1	ID1S	O	Analog	IDS1 detection signal
	2	ID1P	O	Analog	IDS1 detection signal
	3	LEDREF1	I	Analog	IDS1 detection signal
	4	ID2S	O	Analog	IDS2 detection signal
	5	ID2P	O	Analog	IDS2 detection signal
	6	LEDREF2	I	Analog	IDS2 detection signal
	7	FAN_C_HALF	I	0/3.3 V DC	FM2 drive chane signal
	8	FAN_C_FULL	I	0/3.3 V DC	FM2: On/Off
	9	RESIST_SW	O	0/3.3 V DC	RS: On/Off
	10	PAPER_WSIZ E1	O	0/3.3 V DC	PWSW1: On/Off
	11	PAPER_LSIZ E1_1	O	0/3.3 V DC	PLSW1: On/Off
	12	PAPER_LSIZ E1_2	O	0/3.3 V DC	PLSW1: On/Off
	13	PAPER_LSIZ E1_3	O	0/3.3 V DC	PLSW1: On/Off
	14	PAPEMP2	O	0/3.3 V DC	PS2: On/Off
	15	PAPEMP1	O	0/3.3 V DC	PS1: On/Off
	16	LIFT_FULL1_SW	O	0/3.3 V DC	LS1: On/Off
	17	LIFT_MOT1_ALM	O	0/3.3 V DC	Alarm signal
	18	LIFT_MOT1_REM	I	0/3.3 V DC	LM1: On/Off
	19	LIFT_MOT2_ALM	O	0/3.3 V DC	Alarm signal
	20	LIFT_MOT2_REM	I	0/3.3 V DC	LM2: On/Off
	21	LIFT_FULL2_SW	O	0/3.3 V DC	LS2: On/Off
	22	PF_PAUSE	I	0/3.3 V DC	PF control signal
	23	PF_SET	O	0/3.3 V DC	PF sleep return signal
	24	PF_RDY	O	0/3.3 V DC	Ready signal
	25	PF_SEL	I	0/3.3 V DC	PF select signal

Connector	Pin	Signal	I/O	Voltage	Description
YC2	26	PF_SO	I	0/3.3 V DC (pulse)	Serial comunicatuion data signal
Connected to engine PWB	27	PF_SI	O	0/3.3 V DC (pulse)	Serial comunicatuion data signal
	28	PF_CLK	I	0/3.3 V DC (pulse)	Clock signal
	29	FAN_B_HALF	I	0/3.3 V DC	CM1 drive chane signal
	30	FAN_B_FULL	I	0/3.3 V DC	CM1: On/Off
	31	WTC_FULL_I N	O	Analog	WTDS detectuin voltage
	32	WTC_FULL_ OUT	I	0/3.3 V DC	WTDS: On/Off
	33	ERASER_EN _BK	I	0/3.3 V DC	CL-K: On/Off
	34	DLP_TH	O	Analog	DEVTH detectuin voltage
	35	TCSSENS_BK	O	Analog	TS-K detection signal
	36	TCSSENS_M	O	Analog	TS-M: detection signal
	37	TCSSENS_C	O	Analog	TS-C: detection signal
	38	ERASER_EN _COL	I	0/3.3 V DC	CL-YCM: On/Off
	39	TCSSENS_Y	O	Analog	TS-Y: detection signal
	40	BLTHP2	O	0/3.3 V DC	BDS2: On/Off
	41	BLTHP1	O	0/3.3 V DC	BDS1: On/Off
	42	ID_CL_HP_S W	O	0/3.3 V DC	IDS: On/Off
	43	GND	-	-	Ground
	44	DLP_DRUM_ SDA	I/O	0/3.3 V DC	Data signal
	45	GND	-	-	Ground
	46	DLP_DRUM_ SCL	I	0/3.3 V DC	Clock signal
	47	GND	-	-	Ground
	48	BLT_SDA	I/O	0/3.3 V DC	Data signal
	49	GND	-	-	Ground
	50	BLT_SCL	I	0/3.3 V DC	Clock signal
YC3	1	BLT_MOT_O UTB	I	24 V DC	TCBRM drive voltage output
Connected to engine PWB	2	BLT_MOT_O UTA	I	24 V DC	TCBRM drive voltage output
	3	ID_CL_MOT_ OUTB	I	24 V DC	IDSM drive voltage output
	4	ID_CL_MOT_ OUTA	I	24 V DC	IDSM drive voltage output

Connector	Pin	Signal	I/O	Voltage	Description
YC3 Connected to engine PWB	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	3.3V2	I	0/3.3 V DC	3.3 V DC power input from EPWB
	8	3.3V1	I	0/3.3 V DC	3.3 V DC power input from EPWB
YC4 Connected to ID sensor1,2	1	ID1S	I	Analog	IDS1 detection signal
	2	ID1P	I	Analog	IDS2 detection signal
	3	GND	-	-	Ground
	4	LEDREF1	O	Analog	IDS1 control signal
	5	3.3V1	O	3.3 V DC	3.3 V DC power output to IDS1
	6	ID2S	I	Analog	IDS1 detection signal
	7	ID2P	I	Analog	IDS2 detection signal
	8	GND	-	-	Ground
	9	LEDREF2	O	Analog	IDS2 control signal
	10	3.3V1	O	3.3 V DC	3.3 V DC power output to IDS2
YC5 Connected to lift sensor1	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to LS1
	2	GND	-	-	Ground
	3	LIFT_FULL1_SW	I	0/3.3 V DC	LS1: On/Off
YC6 Connected to paper sensor1,2 and lift motor1	1	3.3V1	O	3.3 V DC	3.3 V DC power output to PS1
	2	GND	-	-	Ground
	3	PAPEMP1	I	0/3.3 V DC	PS1 On/Off
	4	3.3V1_A	O	3.3 V DC	3.3 V DC power output to PS2
	5	GND	-	-	Ground
	6	PAPEMP2	I	0/3.3 V DC	PS2: On/Off
	7	LIFT_MOT1_REMB	O	0/3.3 V DC	LM1 drive voltage output
	8	LIFT_MOT2_REMA	O	0/3.3 V DC	LM2 drive voltage output
YC7 Connected to paper length switch and paper width switch	1	PAPER_LSIZE1_3	I	0/3.3 V DC	PLSW1: On/Off
	2	PAPER_LSIZE1_2	I	0/3.3 V DC	PLSW1: On/Off
	3	GND	-	-	Ground
	4	PAPER_LSIZE1_1	I	0/3.3 V DC	PLSW1: On/Off
	5	PAPER_WSIZE1	I	0/3.3 V DC	PWSW1: On/Off
	6	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC8	1	3.3V1	O	3.3 V DC	3.3 V DC power output to TS
Connected to drum connect PWB	2	GND	-	-	Ground
	3	TCSENSE_Y	I	Analog	TS-Y detection signal
	4	ERASER_EN_COL	O	0/3.3 V DC	CL_COL control signal
	5	TCSENSE_C	I	Analog	TS-C detection signal
	6	TCSENSE_M	I	Analog	TS-M detection signal
	7	TCSENSE_BK	I	Analog	TS-K detection signal
	8	DLP_TH	I	Analog	Detection signal
	9	ERASER_EN_BK	O	0/3.3 V DC	CL_K control signal
	10	GND	-	-	Ground
	11	24V1	O	24 V DC	24 V DC power output to CL
	12	DLP_DRUM_SCL	O	0/3.3 V DC	Clock signal
	13	DLP_DRUM_SDA	I/O	0/3.3 V DC	Data signal
	14	NC	-	-	Not used
	15	NC	-	-	Not used
YC9	1	DLP_FAN_REM	O	0/24 V DC	IMGFM: On/Off
Connected to image fan motor and powersouse fan motor	2	GND	-	-	Ground
	3	LVU_FAN_REM	O	0/24 V DC	PSFM: On/Off
	4	GND	-	-	Ground
YC10	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to IDS
Connected to ID shutter motor and ID shutter sensor	2	GND	-	-	Ground
	3	ID_CL_HP_SW	O	0/3.3 V DC	IDS: On/Off
	4	ID_CL_MOT_REMB	O	24 V DC	IDS drive voltage output
	5	ID_CL_MOT_REMA	O	24 V DC	IDS drive voltage output

Connector	Pin	Signal	I/O	Voltage	Description
YC11 Connected to waste toner sensor	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to WTS
	2	WTC_FULL_OUT	O	0/3.3 V DC	WTS: On/Off
	3	WTC_FULL_IN	I	Analog	WTS detection signal
	4	3.3V1	O	3.3 V DC	3.3 V DC power output to WTS
YC12 Connected to registration sensor	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to RS
	2	GND	-	-	Ground
	3	RESIST_SW	I	0/3.3 V DC	RS: On/Off
YC13 Connected to developer fan motor2?3 and LSU fan motor	1	GND	-	-	Ground
	2	DLP_FAN1_REM	O	0/24 V DC	DEVFM1: On/Off
	3	GND	-	-	Ground
	4	LSU_FAN_REM	O	0/24 V DC	LSUFM: On/Off
	5	GND	-	-	Ground
	6	DLP_FAN2_REM	O	0/24 V DC	DEVFM2: On/Off
YC14 Connected to transfer connect PWB	1	BLT_MOT_OUTA	O	0/24 V DC	TCBRM drive voltage output
	2	BLTHP1	I	0/3.3 V DC	TCBS1: On/Off
	3	BLT_MOT_OUTB	O	0/24 V DC	TCBRM drive voltage output
	4	3.3V1	O	3.3 V DC	3.3 V DC power output to TCBS
	5	BLT_SDA	I/O	0/3.3 V DC	Data signal
	6	BLT_SCL	O	0/3.3 V DC	Control signal
	7	BLTHP2	I	0/3.3 V DC	TCBS2: On/Off
	8	GND	-	-	Ground
YC15 Connected to PF main PWB	1	PF_CLK	O	0/3.3 V DC (pulse)	PF clock signal
	2	PF_SI	I	0/3.3 V DC (pulse)	PF serial communication data signal
	3	PF_SO	O	0/3.3 V DC (pulse)	PF serial communication data signal
	4	PF_SEL	O	0/3.3 V DC	PF select signal
	5	PF_RDY	I	0/3.3 V DC	PF ready signal
	6	PF_SET	I	0/3.3 V DC	PF sleep return signal
	7	PF_PAUSE	O	0/3.3 V DC	PF control signal
	8	24V1	O	24 V DC	24 V DC power output to PF
	9	3.3V2	O	3.3 V DC	3.3 V DC power output to PF

Connector	Pin	Signal	I/O	Voltage	Description
YC15	10	3.3V1	O	3.3 V DC	3.3 V DC power output to PF
Connected to PF main PWB	11	GND	-	-	Ground
	12	GND	-	-	Ground
YC16	1	3.3V1_A	O	3.3 V DC	3.3 V DC power output to LS2
Connected to lift sensor1 and lift motor2	2	GND	-	-	Ground
	3	LIFT_FULL2_ SW	I	0/3.3 V DC	LS2: On/Off
	4	LIFT_MOT2_ OUTB	O	0/24 V DC	LM2: On/Off
	5	LIFT_MOT2_ OUTA	O	0/24 V DC	LM2: On/Off

2-3-4 ISC PWB

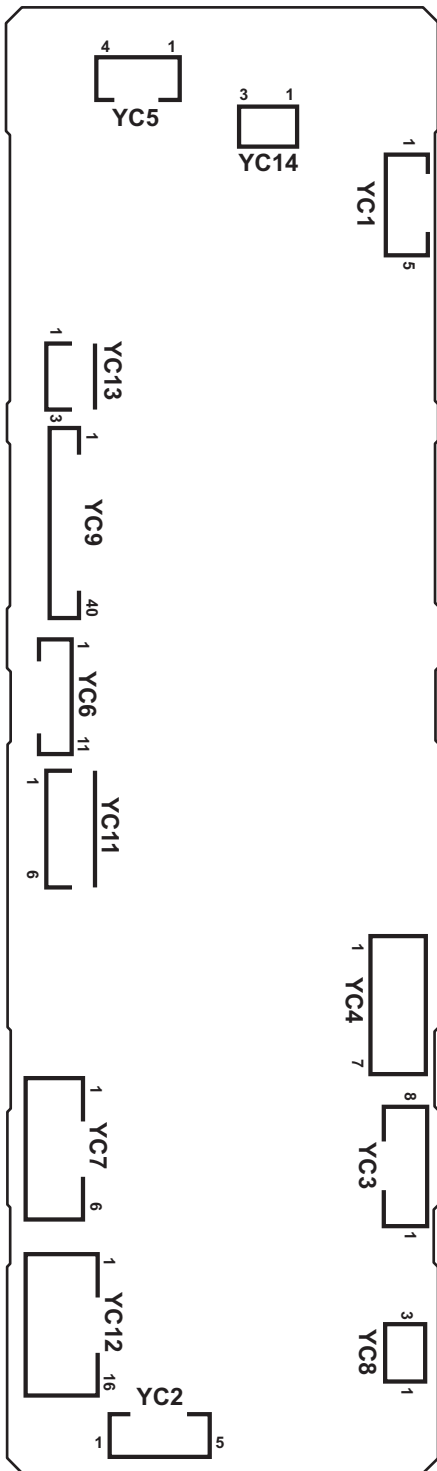


Figure 2-3-4 ISC PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC3 Connected to main PWB	1	SC_CLK	I	0/3.3 V DC (pulse)	Scanner clock signal
	2	SC_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
	3	SC_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
	4	SC_BSY	I	0/3.3 V DC	Scanner busy signal
	5	SC_HLDN	I	0/3.3 V DC	Scanner hold signal
	6	SC_DIR	I	0/3.3 V DC	Scanner communication direction signal
	7	SC_IRN	I	0/3.3 V DC	Scanner interrupt signal
	8	GND(SPARE)	-	-	Ground
YC4 Connected to main PWB	1	GND	-	-	Ground
	2	HTPDN	O	0/3.3 V DC	Control signal
	3	LOCKN	O	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	TX0N	O	0/3.3 V DC (pulse)	Transmission data signal
	6	TX0P	O	0/3.3 V DC (pulse)	Transmission data signal
	7	GND	-	-	Ground
YC5 Connected to scanner motor	1	SMOT AP	O	0/24 V DC (pulse)	ISUM drive control signal
	2	SMOT BP	O	0/24 V DC (pulse)	ISUM drive control signal
	3	SMOT AN	O	0/24 V DC (pulse)	ISUM drive control signal
	4	SMOT BN	O	0/24 V DC (pulse)	ISUM drive control signal
YC6 Connected to LED PWB	1	+5V	O	5 V DC	5 V DC power output to LEDPWB
	2	FAIL	I	0/3.3 V DC	Error signal
	3	SDA	I/O	0/3.3 V DC	Data signal
	4	SCL	O	0/3.3 V DC (pulse)	Clock signal
	5	VSET	O	Analog	Analog voltage
	6	SGND	-	-	Ground
	7	PGND	-	-	Ground
	8	PWM	O	0/3.3 V DC	PWM signal
	9	POW	O	0/3.3 V DC	LED: On/Off
	10	+24V1	O	24 V DC	24 V DC power output to LEDPWB
	11	+24V1	O	24 V DC	24 V DC power output to LEDPWB
YC7 Connected to engine PWB	1	+24V1	I	24 V DC	24 V DC power input from EPWB
	2	GND	-	-	Ground
	3	GND	-	-	Not used
	4	GND	-	-	Ground
	5	+24V2	I	24 V DC	24 V DC power input from EPWB
	6	+24V2	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description	
YC8	1	+3.3V	O	3.3 V DC	3.3 V DC power output to HPS	
	Connected to home position sensor	2	GND	-	-	Ground
		3	HP_SW	I	0/3.3 V DC	HPS: On/Off
YC9	1	GND	-	-	Ground	
	Connected to CCD PWB	2	CCDCLK1	O	0/3.3 V DC (pulse)	Clock signal
		3	GND	-	-	Ground
		4	CCDCLK2	O	0/3.3 V DC (pulse)	Clock signal
		5	GND	-	-	Ground
		6	CP	O	0/3.3 V DC	Clamp signal
		7	GND	-	-	Ground
		8	RS	O	0/3.3 V DC	Reset signal
		9	VSG	O	0/3.3 V DC	Control signal
		10	TG	O	0/3.3 V DC	Control signal
		11	SH	O	0/3.3 V DC	Shift gate signal
		12	AFE_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
		13	AFE_EN	O	0/3.3 V DC (pulse)	Enable signal
		14	AFE_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
		15	AFECLK	O	0/3.3 V DC (pulse)	Clock signal
		16	GND	-	-	Ground
		17	DIS_CIS_1P	I	0/3.3 V DC (pulse)	Image data signal
		18	DIS_CIS_1N	I	0/3.3 V DC (pulse)	Image data signal
		19	GND	-	-	Ground
		20	DIS_CIS_2P	I	0/3.3 V DC (pulse)	Image data signal
		21	DIS_CIS_2N	I	0/3.3 V DC (pulse)	Image data signal
		22	GND	-	-	Ground
		23	DIS_CIS_3P	I	0/3.3 V DC (pulse)	Image data signal
		24	DIS_CIS_3N	I	0/3.3 V DC (pulse)	Image data signal
		25	GND	-	-	Ground
		26	DIS_CIS_4P	I	0/3.3 V DC (pulse)	Image data signal
		27	DIS_CIS_4N	I	0/3.3 V DC (pulse)	Image data signal
		28	GND	-	-	Ground
		29	DIS_CIS_5P	I	0/3.3 V DC (pulse)	Image data signal
		30	DIS_CIS_5N	I	0/3.3 V DC (pulse)	Image data signal
		31	GND	-	-	Ground
		32	DIS_CISCKP	I	0/3.3 V DC (pulse)	Clock signal
		33	DIS_CISCKN	I	0/3.3 V DC (pulse)	Clock signal

Connector	Pin	Signal	I/O	Voltage	Description
YC9 Connected to CCD PWB	34	GND	-	-	Ground
	35	CCDSEL	I	0/3.3 V DC	Select signal
	36	GND	-	-	Ground
	37	AFE_MCLK	O	0/3.3 V DC (pulse)	Clock signal
	38	GND(AFE_SH D)	-	-	Ground
	39	CLPIN	O	0/3.3 V DC	Clamp signal
	40	GND(AFE_SH P)	-	-	Ground
41	GND	-	-	Ground	
YC11 Connected to CCD PWB	1	+5.1V	O	5 V DC	5 V DC power output to CCDPWB
	2	GND	-	-	Ground
	3	+10V	O	10 V DC	10 V DC power output to CCDPWB
	4	GND	-	-	Ground
	5	+3.3V	O	3.3 V DC	3.3 V DC power output to CCDPWB
	6	GND	-	-	Ground
YC12 Connected to DP junction PWB	1	GND(SPARE)	-	-	Ground
	2	DP_TMG	I	0/3.3 V DC	DPTS: On/Off
	3	DP_RDY	I	0/3.3 V DC	Ready signal
	4	DP_SEL	O	0/3.3 V DC	Select signal
	5	DP_CLK	O	0/3.3 V DC (pulse)	Clock signal
	6	DP_SO	O	0/3.3 V DC (pulse)	Serial communication data signal
	7	DP_SI	I	0/3.3 V DC (pulse)	Serial communication data signal
	8	DP_OPEN	I	0/3.3 V DC	DPOCSW: On/Off
	9	NC	-	-	Not used
	10	GND	-	-	Ground
	11	GND	-	-	Ground
	12	GND	-	-	Ground
	13	NC	-	-	Not used
	14	24V2	O	24 V DC	24 V DC power output to DPMPWB
	15	24V2	O	24 V DC	24 V DC power output to DPMPWB
	16	24V2	O	24 V DC	24 V DC power output to DPMPWB
YC13 Connected to original size sensor	1	GND	-	-	Ground
	2	ORG_SW	I	0/3.3 V DC	OSS: On/Off
	3	+5.1V	O	5 V DC	5 V DC power output to OSS

Connector	Pin	Signal	I/O	Voltage	Description
YC14	1	+3.3V	O	3.3 V DC	3.3 V DC power output to ODSW
Connected to original detection switch	2	GND	-	-	Ground
	3	CO_SW	I	0/3.3 V DC	ODSW: On/Off

2-3-5 IH PWB

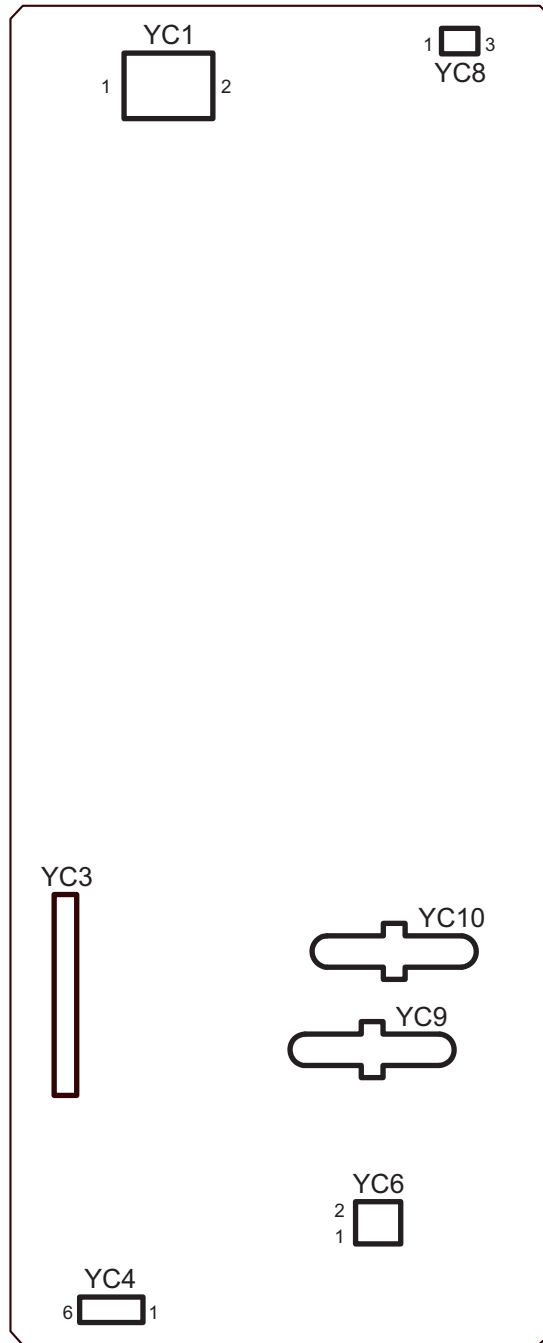


Figure 2-3-5 IH PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description	
YC1	1	IH_NEUTRAL	I	AC100V	AC input voltage	
	Connected to AC connect PWB	2	IH_LIVE	I	AC100V	AC input voltage
YC3	1	TH2	-	Analog	Low side IGBT case temperature	
	Connected to IH control PWB	2	TH1	-	Analog	High side IGBT case temperature
	3	AC_CURRENT	-	Analog	AC input current	
	4	AC_VOLTAGE	-	Analog	AC input voltage	
	5	OUT_CURRENT	-	Analog	Output current	
	6	IH_REM	-	0/5 V DC	IH: On/off	
	7	ROTATION	-	0/5 V DC	TCBRM control signal	
	8	RXD	-	0/5 V DC (pulse)	Serial communication data signal input	
	9	TXD	-	0/5 V DC (pulse)	Serial communication data signal output	
	10	S1	-	0/5 V DC	For soft distinction	
	11	IGBT1	-	0/5 V DC	gate output	
	12	IGBT2	-	0/5 V DC	gate output	
	13	S2	-	0/5 V DC	For soft distinction	
	14	ERROR	-	0/5 V DC	Error signal	
	15	5V	-	5 V DC	5 V DC power output to IHCONPWB	
	16	GND	-	-	Ground	
YC4	1	GND	-	-	Ground	
	Connected to engine PWB	2	3.3V1	O	3.3 V DC	3.3 V DC power output to EPWB
	3	IH_HEATER	I	0/3.3 V DC	IH: On/off	
	4	IH_ROT	I	0/3.3 V DC	TCBRM control signal	
	5	IH_TXD	I	0/3.3 V DC (pulse)	Serial communication data signal input	
	6	IH_RXD	O	0/3.3 V DC (pulse)	Serial communication data signal output	
YC6	1	+15V-1	O	15 V DC	Control power supply	
	Connected to thermostat	2	+15V-2	I	15 V DC	Gate drive power supply
YC8	1	24V1	O	24 V DC	24 V DC power output from EPWB	
	Connected to engine PWB	2	IH_RELAY	I	0/3.3 V DC	RSW: On/Off
	3	GND	-	-	Ground	
YC9	1	IH_OUT1	O	390 V DC	Resonance circuit output	
	Connected to IH coil					

Connector	Pin	Signal	I/O	Voltage	Description
YC10	1	IH_OUT2	O	1000 V DC	Resonance circuit output
Connected to IH coil					

CAUTION: Connectors YC1, YC3, YC6, YC9 and YC10 are not grounded, therefore, use caution not to damage the connectors during measurement of voltages.

2-3-6 Operation panel PWB main

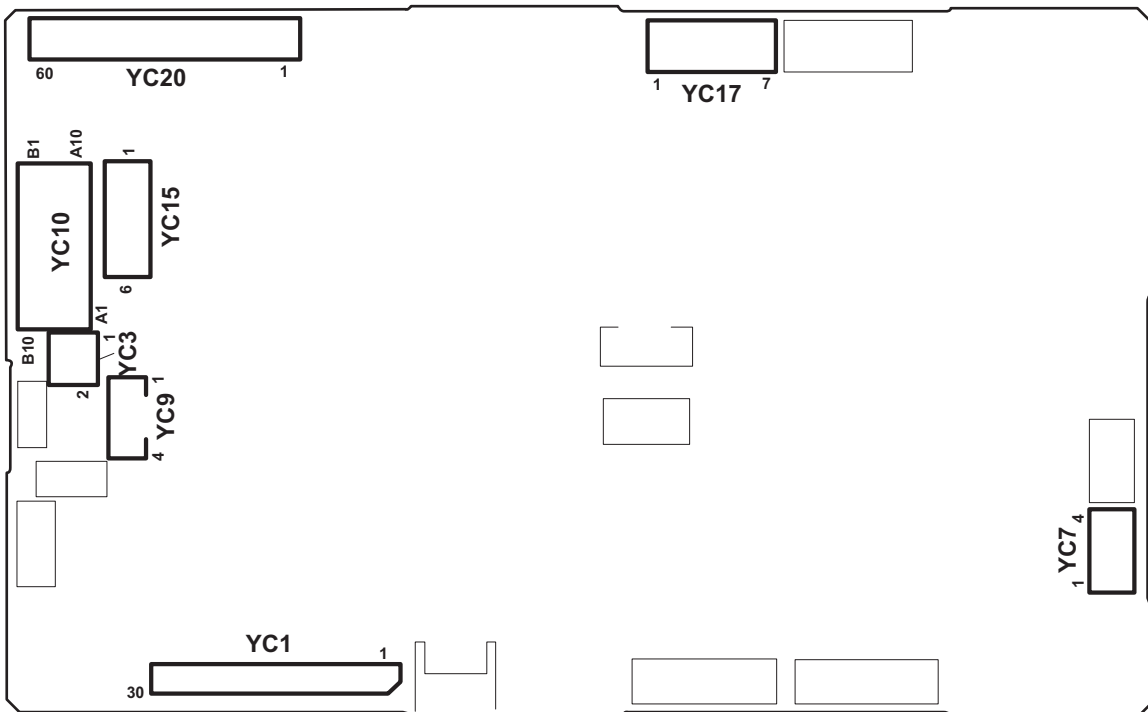
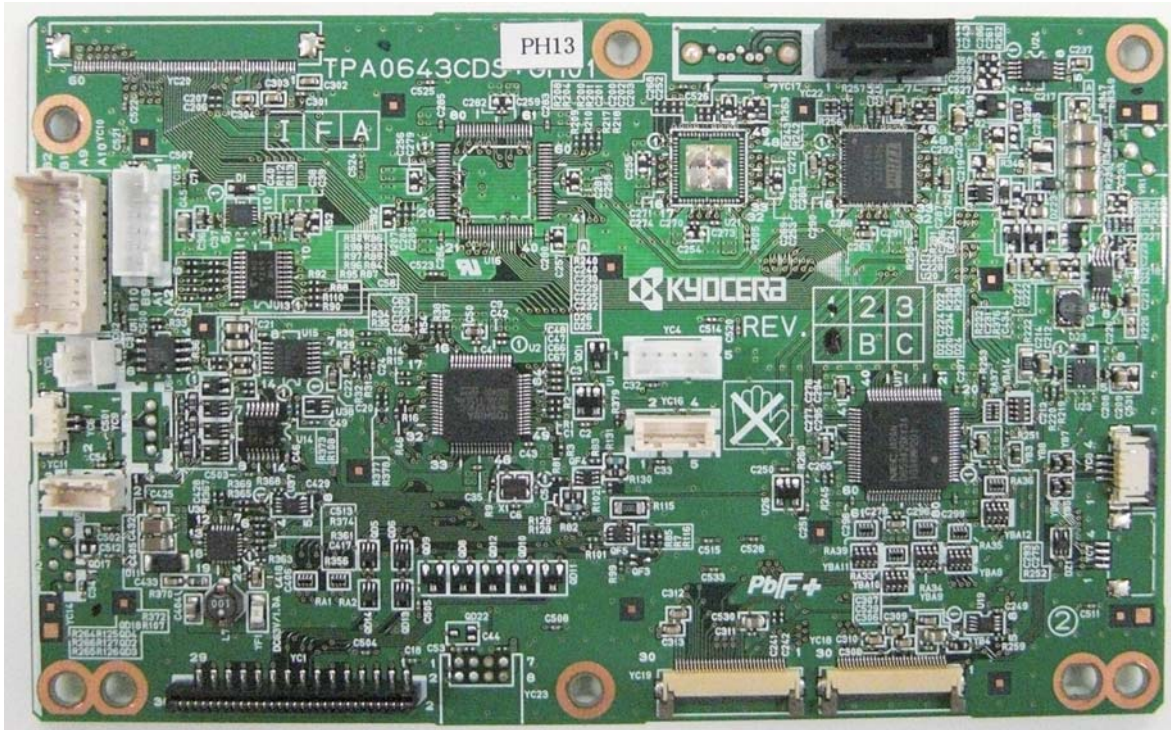


Figure 2-3-6 Operation panel PWB main silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
YC1	1	5V0	O	5 V DC	5 V DC power output to OPWB2
Connected to operation panel PWB sub	2	NC	-	-	Not used
	3	INT_POWER KEY_N	I	0/3.3 V DC	Power key: On/Off
	4	GND	-	-	Ground
	5	KEY6	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 6
	6	NC	-	-	Not used
	7	LED3	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 3
	8	NC	-	-	Not used
	9	KEY5	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 5
	10	KEY4	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 4
	11	SCAN4	O	0/3.3 V DC (pulse)	Scan signal 4
	12	SCAN2	O	0/3.3 V DC (pulse)	Scan signal 2
	13	GND	-	-	Ground
	14	SCAN3	O	0/3.3 V DC (pulse)	Scan signal 3
	15	SCAN1	O	0/3.3 V DC (pulse)	Scan signal 1
	16	NC	-	-	Not used
	17	LED0	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 0
	18	LED1	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 1
	19	LED2	O	0/3.3 V DC (pulse)	Operation panel LED display drive signal 2
	20	NC	-	-	Not used
	21	KEY0	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 0
	22	KEY1	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 1
	23	KEY2	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 2
	24	SCAN0	O	0/3.3 V DC (pulse)	Scan signal 0
	25	KEY3	I	0/3.3 V DC (pulse)	Operation panel key scan return signal 3
	26	GND	-	-	Ground
	27	ATTENTION	O	0/3.3 V DC	Attention LED control signal
	28	MEMORY	O	0/3.3 V DC	Memory LED control signal
	29	PROCESSIN G	O	0/3.3 V DC	Processing LED control signal
	30	JOB_LED	O	0/3.3 V DC	JOBLED control signal
	YC3	1	VO2	O	Analog
Connected to speaker	2	VO1	O	Analog	Speaker sound signal (-)

Connector	Pin	Signal	I/O	Voltage	Description
YC7 Connected to touch panel	1	BOTTOM Y+	I	Analog	Touch panel Y+ position signal
	2	LEFT X-	I	Analog	Touch panel X- position signal
	3	TOP Y-	I	Analog	Touch panel Y- position signal
	4	RIGHT X+	I	Analog	Touch panel X+ position signal
YC9 Connected to LCD	1	LED_A	O	0/3.3 V DC	LED control signal
	2	NC	-	-	Not used
	3	LED_C	I	0/3.3 V DC	LED control signal
	4	NC	-	-	Not used
YC10 Connected to main PWB	A1	LIGHTOFF_POWERON	I	0/3.3 V DC	Sleep return signal
	A2	GND	-	-	Ground
	A3	INT_POWERKEY	O	0/3.3 V DC	Power key: On/Off
	A4	AUDIO	I	Analog	Audio output signal
	A5	LED_PROCESSING	I	0/3.3 V DC	Processing LED control signal
	A6	LED_ATTENTION	I	0/3.3 V DC	Attention LED control signal
	A7	LED_MEMORY	I	0/3.3 V DC	Memory LED control signal
	A8	BEEP_POWERON	I	0/3.3 V DC	Sleep return signal
	A9	PANELRESET	I	0/3.3 V DC	Reset signal
	A10	GND	-	-	Ground
	B1	P2C_SDAT	O	0/3.3 V DC (pulse)	Serial communication data signal
	B2	C2P_SDAT	I	0/3.3 V DC (pulse)	Serial communication data signal
	B3	P2C_SDIR	O	0/3.3 V DC	Panel communication direction signal
	B4	P2C_SBSY	O	0/3.3 V DC	Panel busy signal
	B5	C2P_SCK	I	0/3.3 V DC (pulse)	Panel clock signal
	B6	ANY_KEY	O	0/3.3 V DC	ANY KEY return signal
	B7	HUMAN_SENS_NEAR	-	-	Not used
	B8	5V0	I	5 V DC	5 V DC power input from MPWB
	B9	JOB_LED	I	0/3.3 V DC	JOB LED control signal
	B10	HUMAN_SENS_FAR	-	-	Not used

Connector	Pin	Signal	I/O	Voltage	Description
YC15 Connected to main PWB	1	+5V6	I	5 V DC	5 V DC power input from MPWB
	2	+5V6	I	5 V DC	5 V DC power input from MPWB
	3	+5V6	I	5 V DC	5 V DC power input from MPWB
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Ground
YC17 Connected to main PWB	1	GND	-	-	Ground
	2	LCD_OFF	I	0/3.3 V DC	Control signal
	3	LOCKN	I	0/3.3 V DC	Lock signal
	4	GND	-	-	Ground
	5	TX0N	I	0/3.3 V DC (pulse)	Transmission data signal
	6	TX0P	I	0/3.3 V DC (pulse)	Transmission data signal
	7	GND	-	-	Ground
YC20 Connected to LCD	1	VH	O	Analog	LCD control signal
	2	3.3V2	O	0/3.3 V DC	3.3 V DC power output to LCD
	3	3.3V2	O	0/3.3 V DC	3.3 V DC power output to LCD
	4	CKG	O	0/3.3 V DC (pulse)	LCD clock signal
	5	STVD	I/O	0/3.3 V DC	LCD control signal
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	VM	O	Analog	LCD control signal
	9	REV	O	0/3.3 V DC	LCD control signal
	10	UD	O	0/3.3 V DC	LCD control signal
	11	STVU	I/O	0/3.3 V DC	LCD control signal
	12	VLS	O	Analog	LCD control signal
	13	VLS	O	Analog	LCD control signal
	14	GND	-	-	Ground
	15	GND	-	-	Ground
	16	DIO2	I/O	0/3.3 V DC	LCD control signal
	17	DIO1	I/O	0/3.3 V DC	LCD control signal
	18	SHL	O	0/3.3 V DC	LCD control signal
	19	LD	O	0/3.3 V DC	LCD control signal
	20	GND	-	-	Ground
	21	CKS	O	0/3.3 V DC (pulse)	LCD clock signal
	22	GND	-	-	Ground
	23	V1	O	0/3.3 V DC	LCD control signal

Connector	Pin	Signal	I/O	Voltage	Description	
YC20	24	V2	O	0/3.3 V DC	LCD control signal	
Connected to LCD	25	V3	O	0/3.3 V DC	LCD control signal	
	26	V4	O	0/3.3 V DC	LCD control signal	
	27	V5	O	0/3.3 V DC	LCD control signal	
	28	V6	O	0/3.3 V DC	LCD control signal	
	29	V7	O	0/3.3 V DC	LCD control signal	
	30	V8	O	0/3.3 V DC	LCD control signal	
	31	V9	O	0/3.3 V DC	LCD control signal	
	32	V10	O	0/3.3 V DC	LCD control signal	
	33	V11	O	0/3.3 V DC	LCD control signal	
	34	V12	O	0/3.3 V DC	LCD control signal	
	35	V13	O	0/3.3 V DC	LCD control signal	
	36	V14	O	0/3.3 V DC	LCD control signal	
	37	GND	-	-		Ground
	38	RO0	O	0/3.3 V DC	LCD control signal	
	39	RO1	O	0/3.3 V DC	LCD control signal	
	40	RO2	O	0/3.3 V DC	LCD control signal	
	41	RO3	O	0/3.3 V DC	LCD control signal	
	42	RO4	O	0/3.3 V DC	LCD control signal	
	43	RO5	O	0/3.3 V DC	LCD control signal	
	44	GO0	O	0/3.3 V DC	LCD control signal	
	45	GO1	O	0/3.3 V DC	LCD control signal	
	46	GO2	O	0/3.3 V DC	LCD control signal	
	47	GO3	O	0/3.3 V DC	LCD control signal	
	48	GO4	O	0/3.3 V DC	LCD control signal	
	49	GO5	O	0/3.3 V DC	LCD control signal	
	50	BO0	O	0/3.3 V DC	LCD control signal	
	51	BO1	O	0/3.3 V DC	LCD control signal	
	52	BO2	O	0/3.3 V DC	LCD control signal	
	53	BO3	O	0/3.3 V DC	LCD control signal	
	54	BO4	O	0/3.3 V DC	LCD control signal	
	55	BO5	O	0/3.3 V DC	LCD control signal	
	56	POL	O	0/3.3 V DC	LCD control signal	
	57	OE	O	0/3.3 V DC	LCD control signal	
	58	VCOM	O	Analog	LCD control signal	
	59	VCOM	O	Analog	LCD control signal	
	60	VCOM	O	Analog	LCD control signal	

2-3-7 Power source PWB

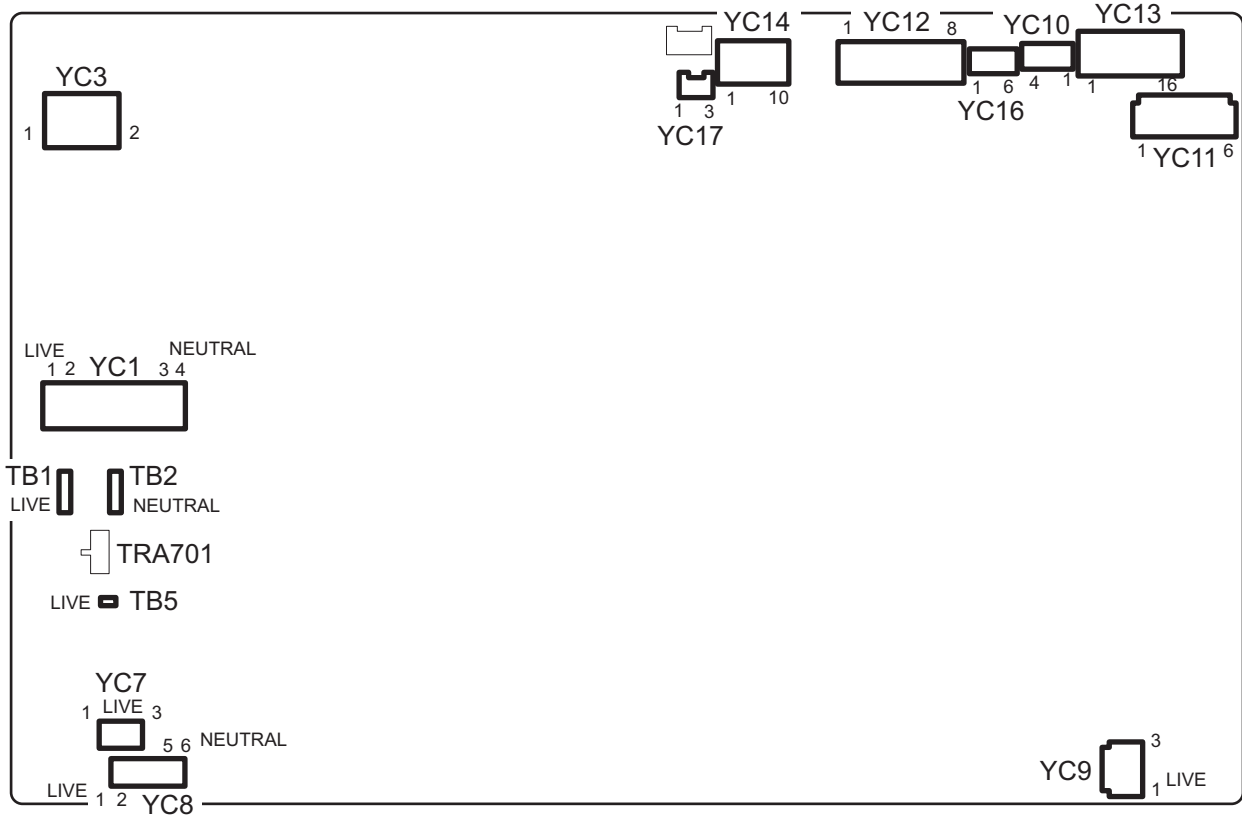


Figure 2-3-7 Power source PWB silk-screen diagram

Connector	Pin	Signal	I/O	Voltage	Description
TB Connected to AC inlet and AC connect PWB	1	LIVE	I	220-240 V AC	AC power input
	2	NEUTRAL	I	220-240 V AC	AC power input
	5	LIVE	I	220-240 V AC	AC power input
YC1 Connected to main power switch	1	LIVE	O	220-240 V AC	AC power input from MSW
	2	LIVE	I	220-240 V AC	AC power output to MSW
	3	NEUTRAL	I	220-240 V AC	AC power output to MSW
	4	NEUTRAL	O	220-240 V AC	AC power input from MSW
YC3 Connected to IH PWB	1	LIVE	O	100 V AC	AC power output to IHPWB
	2	NEUTRAL	O	100 V AC	AC power output to IHPWB
YC7 Connected to paper feeder detection awitch	1	LIVE	I	100 V AC	AC power input from PFDSW
	3	LIVE	O	100 V AC	AC power output to PFDSW
YC8 Connected to cassette heater	1	LIVE	O	100 V AC	AC power output to CH
	2	LIVE	O	100 V AC	AC power output to PFCH
	3	NC	-	-	Not used
	4	NC	-	-	Not used
	5	NEUTRAL	O	100 V AC	AC power output to CH
	6	NEUTRAL	O	100 V AC	AC power output to PFCH
YC11 Connected to engine connect PWB	1	24V1	-	-	Not used
	2	24V1	O	24 V DC	24 V DC power output to ECPWB
	3	24V1	O	24 V DC	24 V DC power output to ECPWB
	4	GND	-	-	Ground
	5	GND	-	-	Ground
	6	GND	-	-	Not used
YC12 Connected to engine PWB	1	24V1	O	24 V DC	24 V DC power output to EPWB
	2	24V1	O	24 V DC	24 V DC power output to EPWB
	3	24V1	O	24 V DC	24 V DC power output to EPWB
	4	5V0	O	5 V DC	24 V DC power output to EPWB
	5	GND	-	-	Ground
	6	GND	-	-	Ground
	7	GND	-	-	Ground
	8	GND	-	-	Ground

Connector	Pin	Signal	I/O	Voltage	Description
YC13	1	24V1	-	-	Not used
Connected to ISC PWB and DF main PWB	2	24V1	-	-	Not used
	3	24V1	O	24 V DC	24 V DC power output to DFMPWB
	4	24V1	O	24 V DC	24 V DC power output to DFMPWB
	5	24V1	O	24 V DC	24 V DC power output to ISCPWB
	6	24V1	O	24 V DC	24 V DC power output to ISCPWB
	7	24V1	-	-	Not used
	8	24V1	-	-	Not used
	9	GND	-	-	Not used
	10	GND	-	-	Not used
	11	GND	-	-	Ground
	12	GND	-	-	Ground
	13	GND	-	-	Ground
	14	GND	-	-	Ground
	15	GND	-	-	Not used
	16	GND	-	-	Not used
YC14	1	5V0	O	5 V DC	5 V DC power output to MPWB
Connected to main PWB	2	GND	-	-	Ground
	3	5V0	O	5 V DC	5 V DC power output to MPWB
	4	GND	-	-	Ground
	5	5V0	O	5 V DC	5 V DC power output to MPWB
	6	GND	-	-	Ground
	7	5V0	O	5 V DC	5 V DC power output to MPWB
	8	GND	-	-	Ground
	9	5V0	O	5 V DC	5 V DC power output to MPWB
	10	GND	-	-	Ground
	YC17	1	SLEEP	I	0/24 V DC
Connected to engine PWB	2	DRM_HEAT_ REM	I	0/3.3 V DC	FH: On/Off
	3	GND	-	-	Ground

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2-4-1 Appendixes

(1) List of maintenance parts

Maintenance part name		Part No.	Alternative part No.
Name used in service manual	Name used in parts list		
Registration cleaner	PARTS CLEANING REGIST ASSY SP	302MV94030	2MV94030
Primary paper feed unit	PARTS PRIMARY FEED ASSY SP	302MV94061	2MV94061
MP paper feed roller	PARTS ROLLER MPF ASSY SP	302MV94020	2MV94020
MP separation pad	PARTS PAD SEPARATION ASSY SP	302MV94010	2MV94010
Roller, Pulley	ROLLERS ,PULLEYS	-	-
Guide	GUIDES	-	-
Eject unit	PARTS EXIT UNIT SP	302MV94540	2MV94540
Roller, Pulley	ROLLERS ,PULLEYS	-	-
Guide	GUIDES	-	-
Contact glass	PARTS CONTACT-GLASS ASSY(I) SP	302MV94100	2MV94100
	PARTS CONTACT-GLASS ASSY(C) SP	302MV94110	2MV94110
Mirror A/B/C	MIRROR A/B/C	-	-
ISU lens	LENS ISU	-	-
Exposure unit	PARTS MOUNT LED ASSY SP	302K993040	2K993040
ISU rail	RAIL ISU R/F	-	-
Original detection switch	SENSOR ORIGINAL	302H044110	2H044110
ISU	PARTS ISU	302MV93060	2MV93060
Clutch	CLUTCH	-	-
Sensor	SENSOR	-	-
Cover	OUTER COVERS	-	-

(2) Maintenance kits

Maintenance part name		Parts No.	Alternative part No.
Name used in service	Name used in parts list		
MK-8325A/MAINTENANCE KIT (200,000 sheets)	MK-8325A/MAINTENANCE KIT	1702NP0UN0	072NP0UN
Drum unit	DK-8325	-	-
Developer unit K	DV-8325K	-	-
Fuser unit	FK-8325	-	-
Intermediate transfer unit	IMAGE UNIT MK	-	-
Transfer roller unit	HOLDER TRANSFER ASSY	-	-
Primary feed unit	PRIMARY FEED ASS'Y	-	-
MP separation pad	PAD SEPARATION ASSY SP	-	-
MP paper feed roller	ROLLER MPF ASSY SP	-	-

MK-8325B/MAINTENANCE KIT (200,000 sheets)	MK-8325B/MAINTENANCE KIT	1702NP0UN1	072NP0U1
Drum unit	DK-8325	-	-
Developer unit C	DV-8325C	-	-
Developer unit M	DV-8325M	-	-
Developer unit Y	DV-8325Y	-	-

(3) Periodic maintenance procedures

Check the maintenance counts by the maintenance mode U901.

CH: Check, CL: Clean, AD: Adjust, LU: Lubrication, RE: Replace

Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
Test copy and test print	Copy Quality	CH AD	CH AD	CH AD	CH AD	-	-



Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
PF and Conveying Section	Registration cleaner		CL	RE	RE	CL: VACUUM RE: Bundled MK-8325A	P.1-5-11
	Primary paper feed unit		CL	RE	RE	CL: alcohol or dry cloth RE: Bundled MK-8325A	P.1-5-8
	MP paper feed roller		CL	RE	RE	CL: alcohol or dry cloth RE: Bundled MK-8325A	P.1-5-9
	MP separation pad		CL	RE	RE	CL: alcohol or dry cloth RE: Bundled MK-8325A	P.1-5-10
	Rollers ,Pulleys		CL	CL	CL	CL: alcohol or dry cloth	-
	Guides		CL	CL	CL	CL: alcohol or dry cloth	-



Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
Exit and Duplex Section	Eject unit			CL	CL	CL: VACUUM	P.2-1-18
	Rollers ,Pulleys		CL	CL	CL	CL: alcohol or dry cloth	-
	Guides			CL	CL	CL: alcohol or dry cloth	-



Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
Image Scanner section	Contact glass	CL		CL	CL	CL: Slit glass for DP: Clean by dry cloth or alcohol (attention: wet cloth is strictly prohibited.) when installing DP, clean with dry cloth. Contact glass for putting the original on: Dry cloth after cleaning with alcohol (FACE SIDE) Wipe the back side with dry cloth after cleaning with alcohol only when unusual image (line or stain) appears. (BACK SIDE)	P.1-5-25
	Mirror A/B/C		CL			CL: Airblow after dry cloth only when unusual image(line) appears	P.1-5-28
	ISU lens		CL			CL: Airblow after dry cloth only when unusual image(line) appears	P.1-5-25
	Exposure unit		CH RE			RE: Replace if there are image problems	P.1-5-28
	ISU rail		LU			Check abnormal noise and jitter. LU: scanner rail grease PG-671(P/N 60170000)	P.1-5-25
	Original detection switch		CH CL			CL:Alcohol or dry cloth if there is problem. (lighting part and light reception part.)	-
	ISU		CH RE			Replace if there are image problems	P.1-5-25

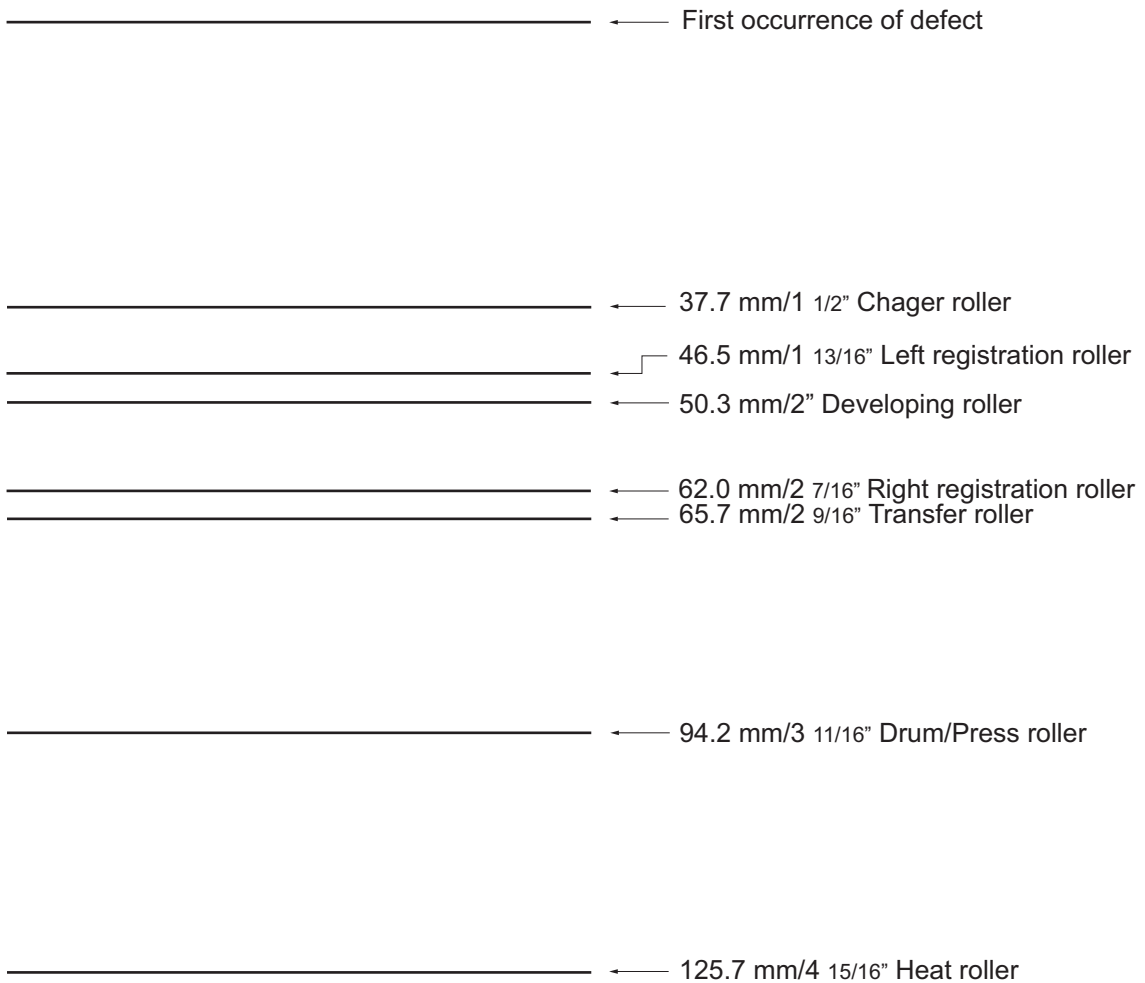


Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
Drive and Other section	Clutch		CH RE	CH	CH	CH: Check the copy registration and paper feed condition on registration and paper feed section	-
	Sensor		CH	CH	CH	CH: Dry cloth or airblow if light reception part of photo sensor is dirt or paper dust	-



Section	Maintenance part/location	Periodic maintenance (x1000 counts)				Points and cautions	Page
		Set up	User call	200	400		
Cover	Covers	CH		CL	CL	CL: Alcohol or dry cloth	-
	Inside of machine		CL	CL	CL	CL: VACUUM: Remove toner and paper dust especially at the paper conveying part and around the image formation part.	-

* : Please do not use spray containing flammable gas for air-blow or air-brush purposes.

(4) Repetitive defects gauge

* : The repetitive marks interval may vary depending on operating conditions.

(5) Firmware environment commands

The printer maintains a number of printing parameters in its memory. These parameters may be changed permanently with the FRPO (Firmware RePrOgram) commands.

This section provides information on how to use the FRPO command and its parameters using examples.

Using FRPO commands for reprogramming the firmware

The current settings of the FRPO parameters are listed as the optional values on the service status page.

Note: Before changing any FRPO parameters, print out a service status page, so you will know the parameter values before the changes are made. To return FRPO parameters to their factory default values, send the FRPO INIT (FRPO-INITialize) command.(!R! FRPO INIT; EXIT;)

The FRPO command is sent to the printer in the following sequence:

!R! FRPO parameter, value; EXIT;

Example: Changing emulation mode to PC-PR201/65A

!R! FRPO P1, 11; EXIT;

FRPO parameters

Item	FRPO	Setting values	Factory setting
Default pattern resolution	B8	0: 300 dpi 1: 600 dpi	0
Copy count	C0	Number of copies to print:1-999	1
Page orientation	C1	0: Portrait 1: Landscape	0
Default font No. *	C2 C3 C5	Middle two digits of power-up font Last two digits of power-up font First two digits of power-up font	0 0 0
PCL font switch	C8	0:HP compatibility mode (Characters higher than 127 are not printed.) 32:Conventional mode (Characters higher than 127 are printed. Supported symbol sets: ISO-60 Norway [00D], ISO-15 Italian [00I], ISO-11 Sweden [00S], ISO-6 ASCII [00U], ISO-4 U.K. [01E], ISO-69 France [01F], ISO-21 Germany [01G], ISO-17 Spain [02S], Symbol [19M]ª)	0
Total host buffer size	H8	0 to 99 in units of the size defined by FRPO S5	5
Form feed time-out value	H9	Value in units of 5 seconds (0 to 99).	6
Duplex binding	N4	0: Off 1: Long edge 2: Short edge	0
Sleep timer time-out time	N5	1 to 240 minutes [0: Off]	15
Ecoprint level	N6	0: Off 2: On	0

Item	FRPO	Setting values	Factory setting
Default emulation mode	P1	6: PCL 6 9: KPDL	6(KDA:9)
Carriage-return action *	P2	0: Ignores 0x0d 1: Carriage-return 2: Carriage-return+linefeed	1
Linefeed action *	P3	0: Ignores 0x0d 1: Linefeed 2: Linefeed+carriage-return	1
Automatic emulation sensing (For KPDL3)	P4	0: AES disabled 1: AES enabled	0(KDA:1)
Automatic emulation switching trigger (For KPDL3)	P7	0: Page eject commands 1: None 2: Page eject and prescribe EXIT 3: Prescribe EXIT 4: Formfeed (^L) 6: Page eject, prescribe EXIT and formfeed 10: Page eject commands; if AES fails, resolves to KPDL	10(KDA:11)
Command recognition character	P9	ASCII code of 33 to 126	82 (R)
Default stacker	R0	1 (inner tray) 3 5	1

Item	FRPO	Setting values	Factory setting
Default paper size	R2	0: Size of the default paper cassette (See R4.) 1: Monarch (3-7/8 x 7-1/2 inches) 2: Business (4-1/8 x 9-1/2 inches) 3: International DL (11 x 22 cm) 4: International C5 (16.2 x 22.9 cm) 5: Executive (7-1/4 x 10-1/2 inches) 6: US Letter (8-1/2 x 11 inches) 7: US Legal (8-1/2 x 14 inches) 8: A4 (21.0 x 29.7 cm) 9: JIS B5 (18.2 x 25.7 cm) 10: A3 (29.7 x 42 cm) 11: B4 (25.7 x 36.4 cm) 12: US Ledger (11 x 17 inches) 13: ISO A5 14: A6 (10.5 x 14.8 cm) 15: JIS B6 (12.8 x 18.2 cm) 16: Commercial #9 (3-7/8 x 8-7/8 inches) 17: Commercial #6 (3-5/8 x 6-1/2 inches) 18: ISO B5 (17.6 x 25 cm) 19: Custom (11.7 x 17.7 inches) 30: C4 (22.9 x 32.4 cm) 31: Hagaki (10 x 14.8 cm) 32: Ofuku-hagaki (14.8 x 20 cm) 33: Officio II 39: 8K 40: 16K 42: 8.5 x 13.5 inches 50: Statement 51: Folio 52: Youkei 2 53: Youkei 4	0
Default cassette	R4	0: MP tray 1: Cassette 1 2: Cassette 2 3: Cassette 3 4: Cassette 4	1
A4/letter equation	S4	0: Off 1: On	1
Host buffer size	S5	0: 10kB (x H8) 1: 100kB (x H8) 2: 1024kB (x H8)	1
Wide A4	T6	0: Off 1: On	0
Line spacing *	U0	Lines per inch (integer value)	6
Line spacing *	U1	Lines per inch (fraction value)	0
Character spacing *	U2	Characters per inch (integer value)	10
Character spacing *	U3	Characters per inch (fraction value)	0

Item	FRPO	Setting values	Factory setting
Country code	U6	0: US-ASCII 1: France 2: Germany 3: UK 4: Denmark 5: Sweden 6: Italy 7: Spain 8: Japan 9: US Legal 10: IBM PC-850 (Multilingual) 11: IBM PC-860 (Portuguese) 12: IBM PC-863 (Canadian French) 13: IBM PC-865 (Norwegian) 14: Norway 15: Denmark 2 16: Spain 2 17: Latin America 21: US ASCII (U7 = 50 SET) 77: HP Roman-8 (U7 = 52 SET)	41
Code set at power up in daisy-wheel emulation	U7	0: Same as the default emulation mode (P1) 1: IBM 6: IBM PC-8 50: US ASCII (U6 = 21 SET) 52: HP Roman-8 (U6 = 77 SET)	53
Font pitch for fixed pitch scalable font	U8	Integer value in cpi: 0 to 99	10
	U9	Fraction value in 1/100 cpi: 0 to 99	0
Font height for the default scalable font *	V0	Integer value in 100 points: 0 to 9	0
	V1	Integer value in points: 0 to 99	12
	V2	Fraction value in 1/100 points: 0, 25, 50, 75	0
Default scalable font *	V3	Name of typeface of up to 32 characters, enclosed with single or double quotation marks	Courier

Item	FRPO	Setting values	Factory setting
Default weight (courier and letter Gothic)	V9	0: Courier = darkness Letter Gothic = darkness 1: Courier = regular Letter Gothic = darkness 4: Courier = darkness Letter Gothic = regular 5: Courier = regular Letter Gothic = regular	5
Color mode	W1	0: Monochrome (grayscale) 1: Color (CMYK)	1
Gloss mode	W6	0: Low (normal) 1: High	0
Paper type for the MP tray	X0	1: Plain 1 2: Transparency 3: Preprinted 4: Label 5: Bond 6: Recycle 7: Vellum 9: Letterhead 10: Color 11: Prepunched 12: Envelope 13: Cardstock 16: Thick 17: High quality 21: Custom1 22: Custom2 23: Custom3 24: Custom4 25: Custom5 26: Custom6 27: Custom7 28: Custom8	1

Item	FRPO	Setting values	Factory setting
Paper type for paper cassettes 1 to 2	X1	1: Plain	1
	X2	3: Preprinted	
		5: Bond	
		6: Recycled	
		9: Letterhead	
		10: Color	
		11: Prepunched	
		17: High quality	
		21: Custom1	
		22: Custom2	
		23: Custom3	
		24: Custom4	
		25: Custom5	
		26: Custom6	
	27: Custom7		
	28: Custom8		
Paper type for paper cassettes 3 to 4	X3	1: Plain	1
	X4	3: Preprinted	
		5: Bond	
		6: Recycled	
		9: Letterhead	
		10: Color	
		11: Prepunched	
		17: High quality	
		21: Custom1	
		22: Custom2	
		23: Custom3	
		24: Custom4	
		25: Custom5	
		26: Custom6	
	27: Custom7		
	28: Custom8		
PCL paper source	X9	0: Performs paper selection depending on media type. 1: Performs paper selection depending on paper sources.	0
Automatic continue for 'Press GO'	Y0	0: Off 1: On	0
Automatic continue timer	Y1	Number from 0 to 99 in increments of 5 seconds	6 (30 seconds)
Error message for device error	Y3	0: Not detect 1: Detect	0

Item	FRPO	Setting values	Factory setting
Duplex operation for specified paper type (Prepunched, Preprinted and Letterhead)	Y4	0: Off 1: On	0
Default operation for PDF direct printing	Y5	0: Enlarges or reduces the image to fit in the current paper size. Loads paper from the current paper cassette. 1: Through the image. Loads paper which is the same size as the image. 2: Enlarges or reduces the image to fit in the current paper size. Loads Letter, A4 size paper depending on the image size. 3: Through the image. Loads Letter, A4 size paper depending on the image size. 8: Through the image. Loads paper from the current paper cassette. 9: Through the image. Loads Letter, A4 size paper depending on the image size. 10: Enlarges or reduces the image to fit in the current paper size. Loads Letter, A4 size paper depending on the image size.	0
e-MPS error	Y6	0: Does not print the error report and display the error message. 1: Prints the error report. 2: Displays the error message. 3: Prints the error report and displays the error message.	3

- a. Characters higher than 127 are printed regardless of the C8 value. However, setting C8 to 0 does not print character code 160.

(6) System Error (Fxxxx) Outline

The document is subscribed to describe the outline of the factors of the Fxxx errors that are not described in the

service manual. Please utilize it to refer to checking the factors.

Please utilize it as the measures when the system is not recovered after power off/on or it frequently occurs.

* : It may be from the hardware factor while the error (Fxxx) is indicated.

Please initially check the following.

Check the DDR2 memory and neighboring parts:

Check the contact of YS1 or YS2 with the memory. Replace the memory if the error repeats.

Check the HDD if the error repeats after replacing the main board.

Take care, however, of handling the data when formatting or replacing the HDD.

Check the HDD : Replace the HDD if the error repeats after formatting the HDD.

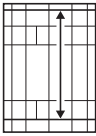
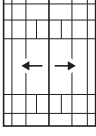
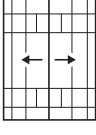
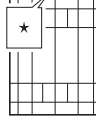
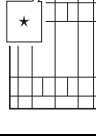
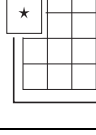
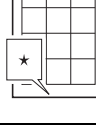
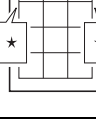
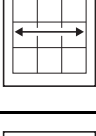
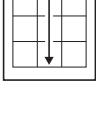
No.	Content	Check procedure & check point	Team	Remark 1	Remark 2
-	Lock-up at Welcome display (The display unchanges after 60 seconds or more)	1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching. and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) * 4) Execute the U021Memory initializing to initialize the controller backup memory and check function. 5) Replace the panel board and check function. 6) Replace the main board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.	PSO/GUI	*User data and installed software is deleted if executing the U024. Reinstallation is required.	
F000	CF000 appears in 60 seconds after the Welcome display continues Panel—Main board communication error Panel core—Main core communication error	1) Check connection of the harness (Panel to Main board), (Main board to HDD) and connectors and check function. 2) Check contact of the DDR memory by detaching and reattaching. and check function. replace it if available and check function. 3) Format the HDD and check function. (U024 FULL formatting) 4) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 5) Replace the main board and check function. 6) Replace the Panel board and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.	PSO/GUI/ OS/BMC		[Main-Panel Interface] Main board:YC12 Panel board:YC10
F12X	An error is detected at the Scan control section	1) Check connection of the harness (Scan/DP - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	Scanner/ InputRIP		[Main-Scan Interface] Main board: YC11,YC25 ISC board: YC3,YC4 [Main-DP relay Interface] (Check if the boards are firmly connected via the board-to-board connector.) Main board:YC10 DP relay board:YC22
F13X	An error is detected at the Panel control section	1) Check connection of the harness (Panel - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the panel board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	PSO/GUI		[Main-Panel Interface] Main board:YC6,YC12 Panel board:YC10,YC17
F14X	An error is detected at the FAX control section	1) Check connection of the harness (FAX - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take care of the received data since it is cleared) 5) Replace the FAX_DIMM and check function. 6) Replace the FAX board and check function. 7) Replace the main board and check function. 8) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/ Service		[Main-KUIO Interface] Main board:YC8,YC9 KUIO board:YC3,YC4
F15X	An error is detected at the authentication device control section	1) Check connection of the harness (Authentication device - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity	Authentication device: Card Reader, etc.	[Main Interface] Main board: YC21,YC22,YC26
F16X	An error is detected at the KMAS control section	1) Check connection of the harness (Authentication device - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		[Main⇄KMAS Interface] Main board:YC7 KMAS board:CN1 or CN2
F17X	An error is detected at the print data control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC		-
F18X	An error is detected at the Video control section	1) Check connection of the harness (Engine - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the engine board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	PrintSys/ GICL		[Main⇄ENGINE Interface] Main board:YC43 Engine board: YC3
F1CX	An error is detected at the File System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC	*The F1D4 error is RAM allocation error. 1Check it with the U340 2Initialize the setting valued with the U021	-
F1DX	An error is detected at the Image memory management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC		

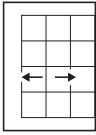
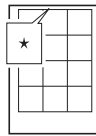
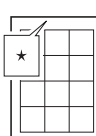
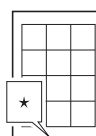
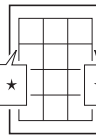
No.	Content	Check procedure & check point	Team	Remark 1	Remark 2
F21X	An error is detected at the Image processing section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	PrintSys/ GICL		[DDR2 memory contact check] Main board:YS1 or YS3 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not sensitive.
F22X					
F23X					
F24X	An error is detected at the System management section	1) Check contact of the DDR memory and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity	*The F248 error is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG.	[DDR2 memory contact check] Main board:YS1 or YS3 A certain part of the memory be faulty. The frequency of failure occurrence is dependent on the frequency of access to the faulty bit. The ASIC may be faulty if the memory is not
F25X	An error is detected at the Network management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division. (or retrieve the packet capture data depending on the result of analysis)	Network	*This may be owing to the users network environment.	-
F26X	An error is detected at the System management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity/KS F		-
F27X					
F28X					
F29X					
F2AX					
F33X	An error is detected at the Scan management section	1) Check connection of the harness (Scan/DP board - main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the Scan/DP board and check function. 5) Replace the main board and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	Scanner/ InputRIP		[Main-Scan Interface] Main board:YC11, YC25 ISC board: YC3, YC4
F34X	An error is detected at the Panel management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Retrieve the USBLOG and contact the Service Administrative Division.	PSO/GUI		[Main-Panel Interface] Main board:YC6, YC12 Panel board:YC10, YC17
F35X	An error is detected at the Print control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	PrintSys/ GICL		-
F36X	An error is detected at the Print management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC		-
F37X	An error is detected at the FAX management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Execute the U671 Clear FAX back up data (FAX DIMM clear) and check function. (Take care of the received data since it is cleared) 4) Replace the FAX_DIMM and check function. 5) Replace the main board and check function. 6) Replace the HDD and check function. 7) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/ Service		[The contact check of FAX DIMM] Main board:YS5
F38X	An error is detected at the Authentication/permit management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		-
F39X	KMAS管理部での異常検知	1) Check connection of the harness (Authentication device - Main board) and connectors and check function. 2) Format the HDD and check function. (U024 FULL formatting) 3) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 4) Replace the main board and check function. 5) Replace the HDD and check function. 6) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		[Main⇔KMAS Interface] Main board:YC7 KMAS board:CN1 or CN2
F3AX	An error is detected at the Entity management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		-
F3BX					
F3CX					
F3DX					
F3EX					
F3FX					
F40X					
F41X					
F42X					
F43X					
F44X					
F45X					

No.	Content	Check procedure & check point	Team	Remark 1	Remark 2
F46X	An error is detected at the Print image process section	1) Replace the main board and check function. 2) Retrieve the USBLOG (or retrieve the print capture data by case)	PrintRIP/ Color	*The F46F is printer process error. if it repeats with a certain print data, retrieve the capture data and USBLOG	-
F47X	An error is detected at the Image edit process control section	1) Format the HDD and check function. (U024 FULL formatting)	Job/Fax/S ervice/Inp utRIP		-
F48X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.			
F49X		3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.			
F4AX	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting)	PrintSys/ GICL		-
F4CX		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.			
F4DX	An error is detected at the Entity control section	1) Format the HDD and check function. (U024 FULL formatting)	SSM/PRC M/RPG/D CM/ESM/ Entity		-
F4EX		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.			
F4FX	An error is detected at the Job control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/S ervice		-
F50X	An error is detected at the FAX control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/S ervice		-
F51X	An error is detected at the Job execution section	1) Format the HDD and check function. (U024 FULL formatting)	Job/Fax/S ervice		-
F52X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.			
F53X		3) Replace the main board and check function.			
F55X		4) Replace the HDD and check function.			
F56X		5) Retrieve the USBLOG and contact the Service Administrative Division.			
F57X					
F58X	An error is detected at the Service management section	1) Format the HDD and check function. (U024 FULL formatting)	Job/Fax/S ervice		-
F59X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.			
F5AX		3) Replace the main board and check function.			
F5BX		4) Replace the HDD and check function.			
F5CX		5) Retrieve the USBLOG and contact the Service Administrative Division.			
F5DX					
F5EX					
F5FX	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/S ervice		-
F60X	An error is detected at the Maintenance mode management section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		-
F61X	An error is detected at the Report compiling section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	SSM/PRC M/RPG/D CM/ESM/ Entity		-
F62X	An error is detected at the Service execution section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	Job/Fax/S ervice		-
F63X	An error is detected at the Device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC		-
F64X	An error is detected at the Print image process section	1) Format the HDD and check function. (U024 FULL formatting)	PrintRIP/ Color		-
F65X		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.			
F66X		3) Replace the main board and check function.			
F67X		4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.			
F68X	An error is detected at the Storage device control section	1) Format the HDD and check function. (U024 FULL formatting) 2) Execute the U021 Memory initializing to initialize the controller backup memory and check function. 3) Replace the main board and check function. 4) Replace the HDD and check function. 5) Retrieve the USBLOG and contact the Service Administrative Division.	OS/BMC	*F684 is Overwrite error with the HDD security kit	Please replace the FAX DIMM at the time of F684 occurrence when the Fax system is installed. Because FAX DIMM is an object of the data overwrite removal.

No.	Content	Check procedure & check point	Team	Remark 1	Remark 2
F69X	An error is detected at the HyPAS control section	1) Format the HDD and check function. (U024 FULL formatting)	Driver/Utility/KSF		
F6AX		2) Execute the U021 Memory initializing to initialize the controller backup memory and check function.			
F6BX		3) Replace the main board and check function.			
F6CX		4) Replace the HDD and check function.			
		5) Retrieve the USBLOG and contact the Service Administrative Division.			

(7) Chart of image adjustment procedures

Adjusting order	Item	Image	Description	Maintenance mode		Original	Page	Remarks
				Item No.	Mode			
1	Adjusting the magnification in the auxiliary scanning direction (printing adjustment)		Drive motor speed adjustment	U053	DRUM	U053 test pattern	P.1-3-42	
2	Adjusting the center line of the MP tray (printing adjustment)		Adjusting the LSU print start timing	U034	LSU OUT LEFT /MPT LSU OUT LEFT / DUPLEX	U034 test pattern	P.1-3-37	To make an adjustment for duplex copying, select LSU OUT LEFT /DUPLEX.
3	Adjusting the center line of the cassettes (printing adjustment)		Adjusting the LSU print start timing	U034	LSU OUT LEFT / CASSETTE	U034 test pattern	P.1-3-37	
4	Adjusting the leading edge registration of the MP tray (printing adjustment)		Registration motor turning on timing (secondary paper feed start timing)	U034	LSU OUT TOP /MPT LSU OUT TOP / DUPLEX	U034 test pattern	P.1-3-37	To make an adjustment for duplex copying, select LSU OUT TOP /DUPLEX. PAPER WIDTH 218mm or more
5	Adjusting the leading edge registration of the cassette (printing adjustment)		Registration motor turning on timing (secondary paper feed start timing)	U034	LSU OUT TOP / CASSETTE	U034 test pattern	P.1-3-37	PAPER WIDTH 218mm or more
6	Adjusting the leading edge margin (printing adjustment)		LSU illumination start timing	U402	LEAD	U402 test pattern	P.1-3-129	
7	Adjusting the trailing edge margin (printing adjustment)		LSU illumination end timing	U402	TRAIL	U402 test pattern	P.1-3-129	
8	Adjusting the left and right margins (printing adjustment)		LSU illumination start/end timing	U402	A MARGIN C MARGIN	U402 test pattern	P.1-3-129	
9	Adjusting magnification of the scanner in the main scanning direction (scanning adjustment)		Data processing	U065 U070	MAIN SCAN MAIN SCAN(CIS)	Test chart	P.1-3-44	U065: For copying an original placed on the platen. U070: For copying originals from the DP.
10	Adjusting magnification of the scanner in the auxiliary scanning direction (scanning adjustment)		Original scanning speed	U065 U070	SUB SCAN SUB SCAN (F) SUB SCAN (B) SUB SCAN (CIS)	Test chart	P.1-3-44 P.1-3-49	U065: For copying an original placed on the platen. U070: For copying originals from the DP. To make an adjustment for second side: select SUB SCAN(B) :Mechanism reversal model To make an adjustment for second side: select SUB SCAN(B) :Double-sided simultaneous reading model

Adjusting order	Item	Image	Description	Maintenance mode		Original	Page	Remarks
				Item No.	Mode			
11	Adjusting the center line (scanning adjustment)		Adjusting the original scan data (image adjustment)	U067	FRONT ROTATE	Test chart	P.1-3-47	U067: For copying an original placed on the platen. To make an adjustment for rotate copying, select ROTATE. U072: For copying originals from the DP. To make an adjustment for duplex copying, select BACK. :Mechanism reversal model To make an adjustment for duplex copying, select CIS. :Double-sided simultaneous reading model
				U072	FRONT BACK CIS		P.1-3-53	
12	Adjusting the leading edge registration (scanning adjustment)		Original scan start timing	U066	FRONT ROTATE	Test chart	P.1-3-46	U066: For copying an original placed on the platen. To make an adjustment for rotate copying, select ROTATE. U071: For copying originals from the DP. To make an adjustment for duplex copying, select BACK HEAD. :Mechanism reversal model To make an adjustment for duplex copying, select CIS HEAD. :Double-sided simultaneous reading model
				U071	FRONT HEAD BACK HEAD CIS HEAD		P.1-3-51	
13	Adjusting the leading edge margin (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	B MARGIN	Test chart	P.1-3-130	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	B MARGIN		P.1-3-131	
14	Adjusting the trailing edge margin (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	D MARGIN	Test chart	P.1-3-130	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	D MARGIN		P.1-3-131	
15	Adjusting the left and right margins (scanning adjustment)		Adjusting the original scan data (image adjustment)	U403	A MARGIN C MARGIN	Test chart	P.1-3-130	U403: For copying an original placed on the contact glass U404: For copying originals from the DP.
				U404	A MARGIN C MARGIN		P.1-3-131	

When maintenance item U411 (Automatic adjustment in the scanner) is run using the specified original (P/N 7505000005) the following adjustments are automatically made:

- Adjusting the scanner magnification (U065)
- Adjusting the scanner leading edge registration (U066)
- Adjusting the scanner center line (U067)

When maintenance item U411 (Automatic adjustment in the DP) is run using the specified original (P/N 7505000005) the following adjustments are automatically made:

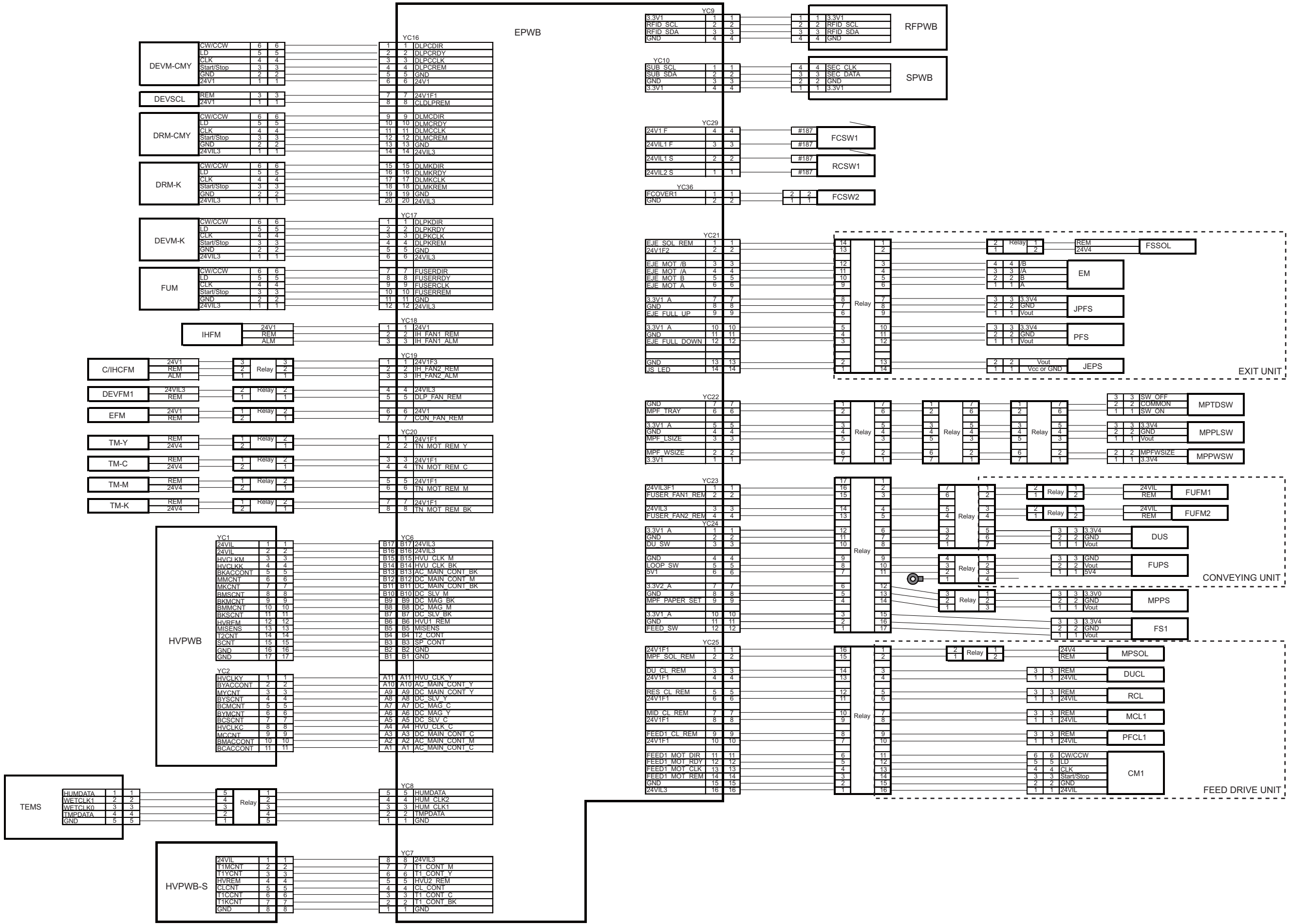
* : When running this test chart, you first must clean the feed rollers with alcohol and ensure the DP width guides are correctly positioned against the original.

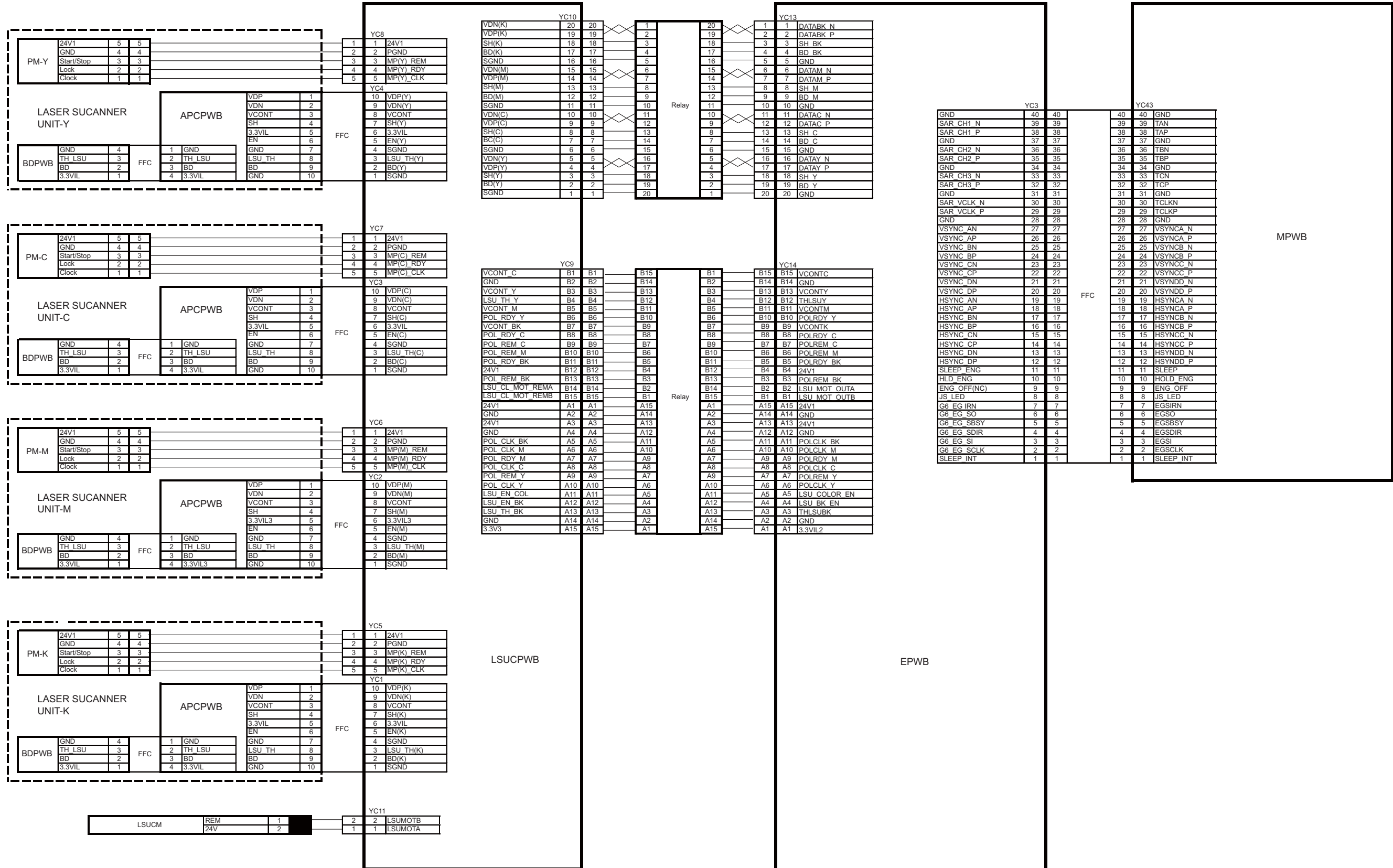
- Adjusting the DP magnification (U070)
- Adjusting the DP leading edge registration (U071)
- Adjusting the DP center line (U072)

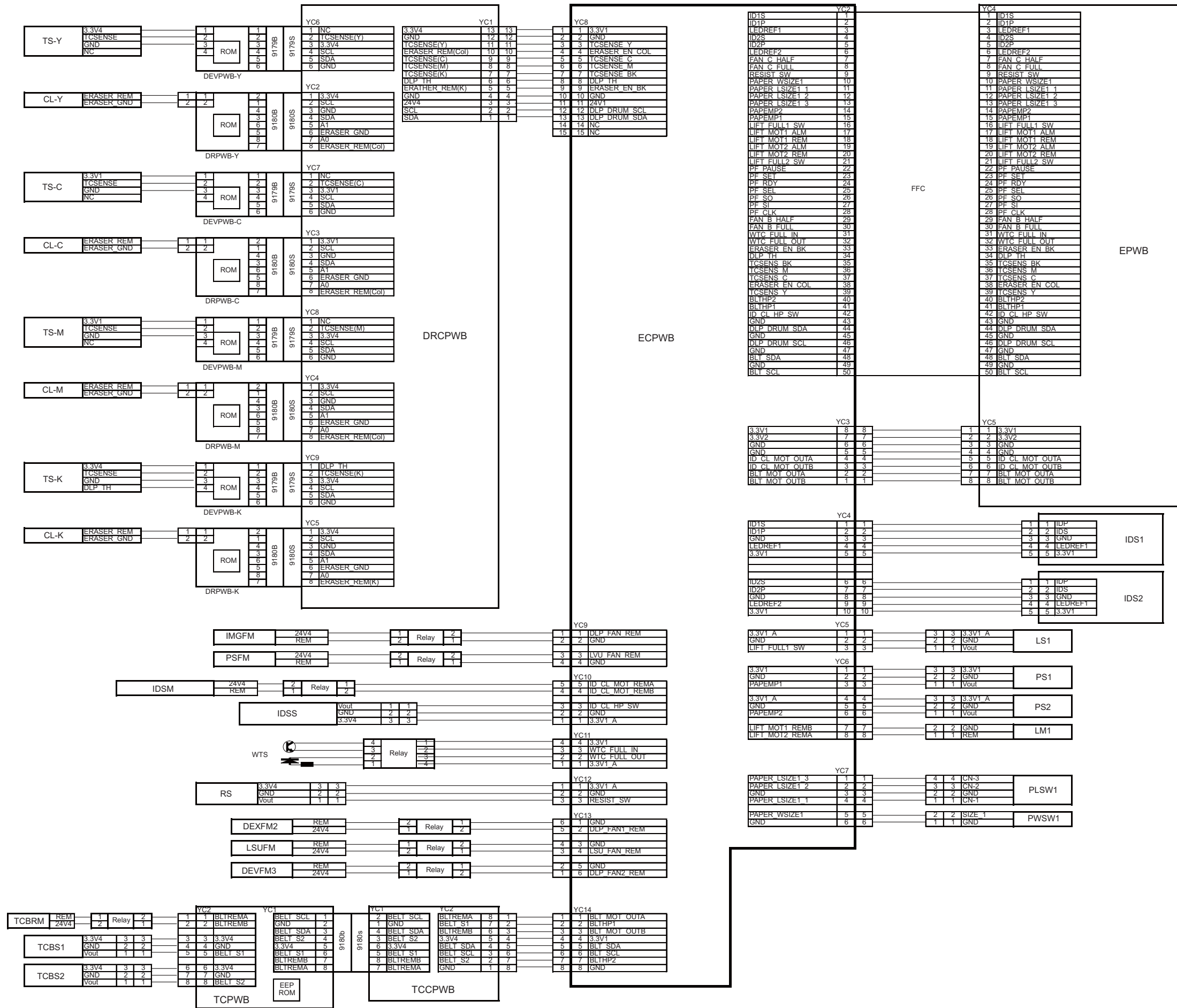
Image quality

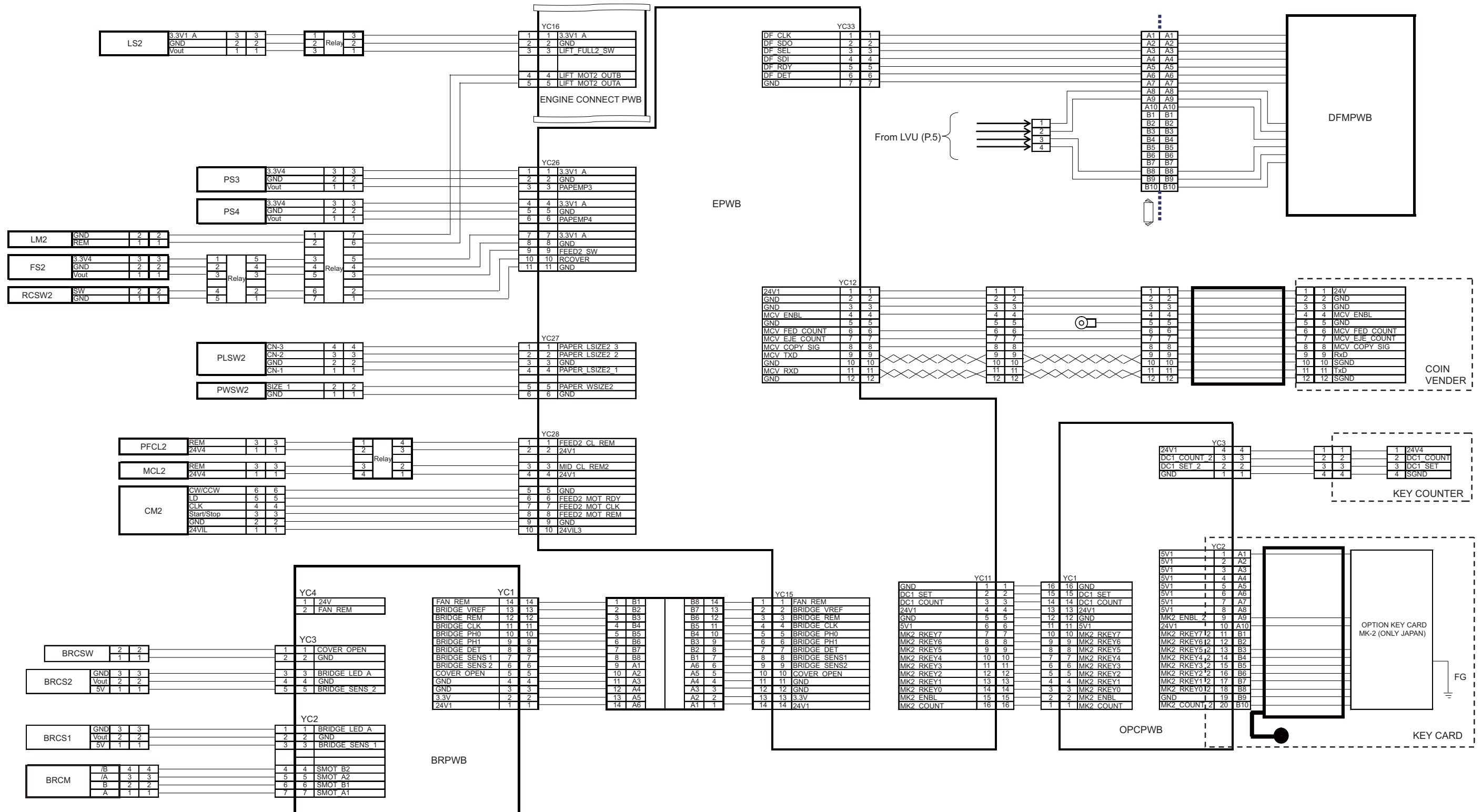
Item	Specifications
100% magnification	Machine: $\pm 0.8\%$ Using DP: $\pm 1.5\%$
Enlargement/reduction	Machine: $\pm 1.0\%$ Using DP: $\pm 1.5\%$
Lateral squareness	Machine: ± 1.5 mm/375 mm Using DP: ± 3.0 mm/375 mm
Leading edge registration	Cassette: ± 2.5 mm MP tray: ± 2.5 mm Duplex: ± 2.5 mm
Skewed paper feed (left-right difference)	Cassette: 1.5 mm or less MP tray: 1.5 mm or less Duplex: 2.0 mm or less
Lateral image shifting	Cassette: ± 2.0 mm MP tray: ± 2.0 mm Duplex: ± 3.0 mm

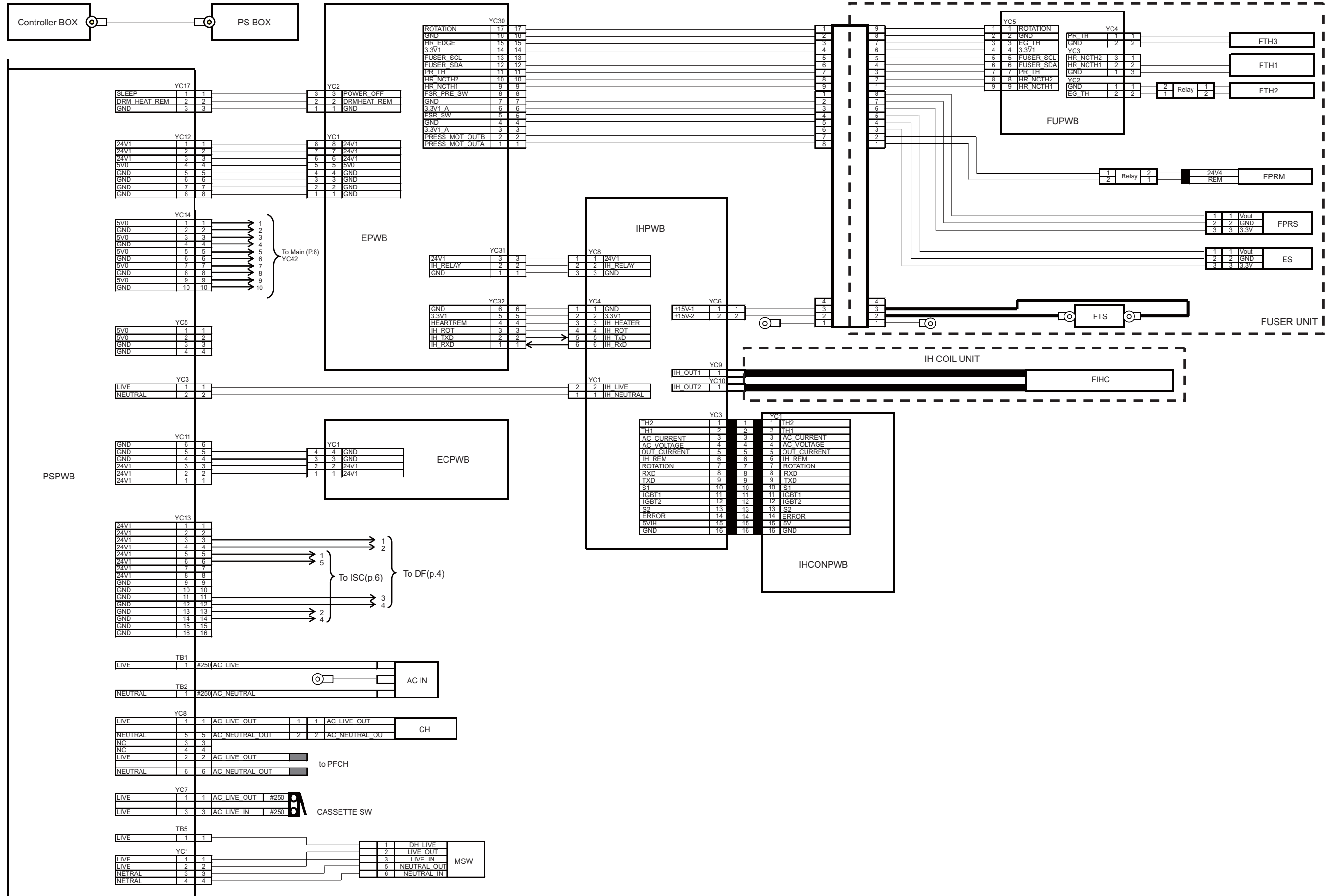
(8) Wiring diagram

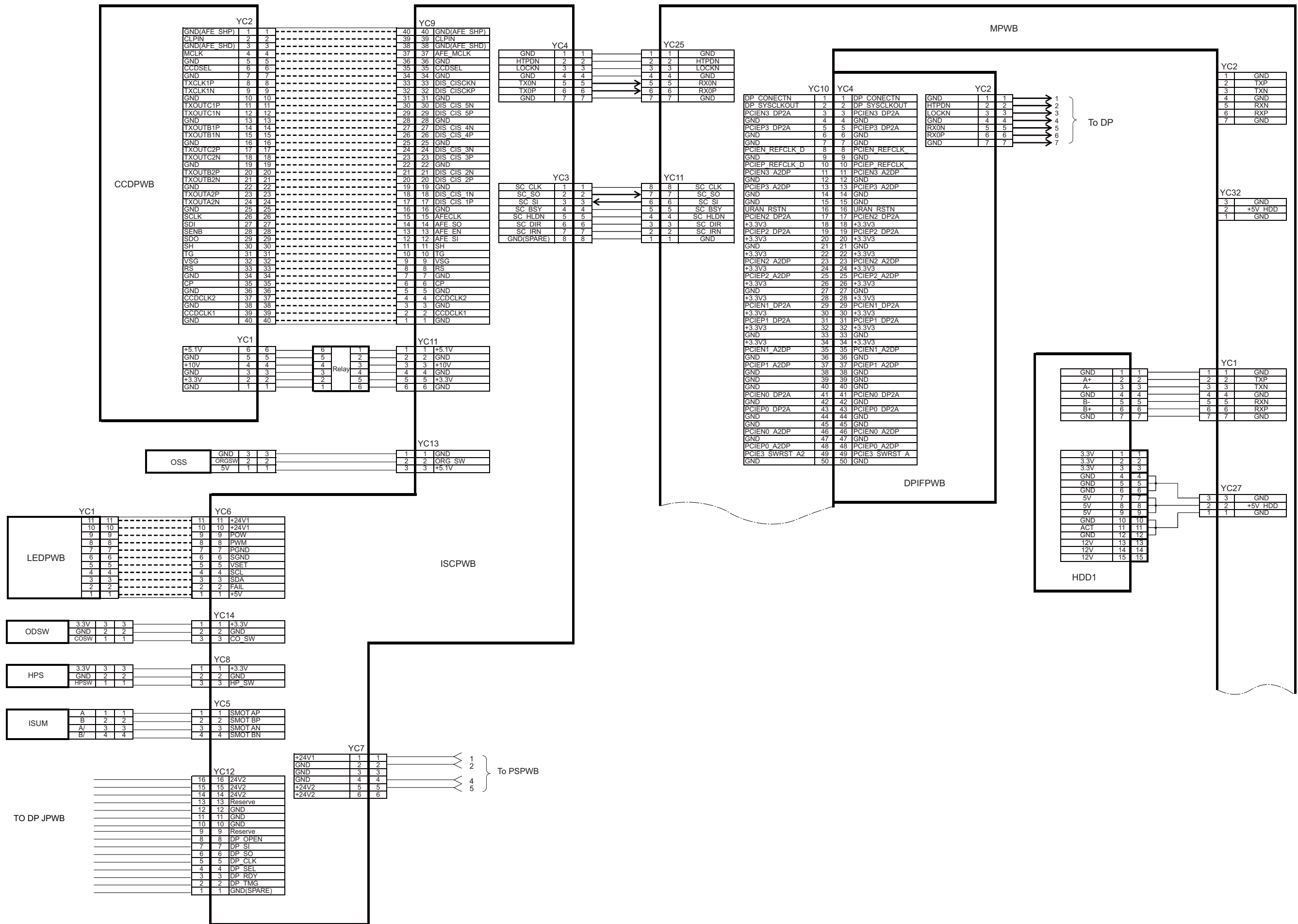


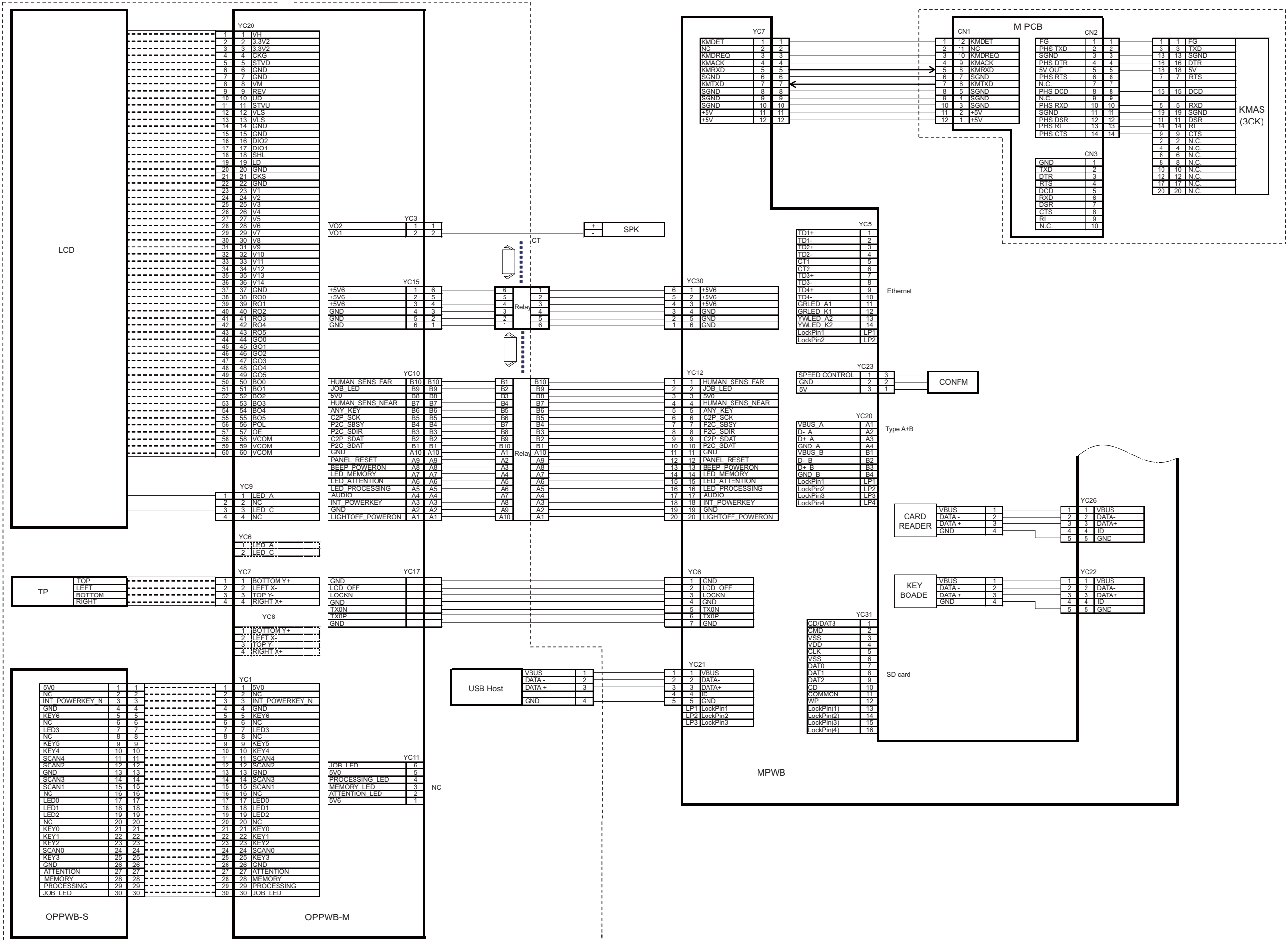


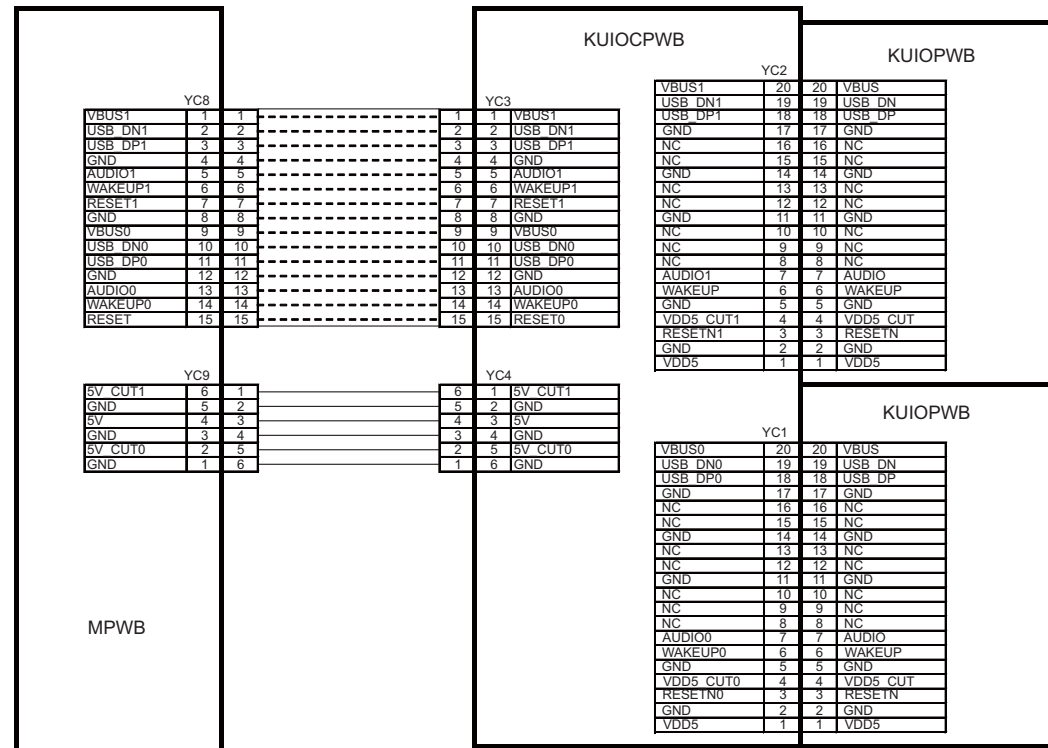




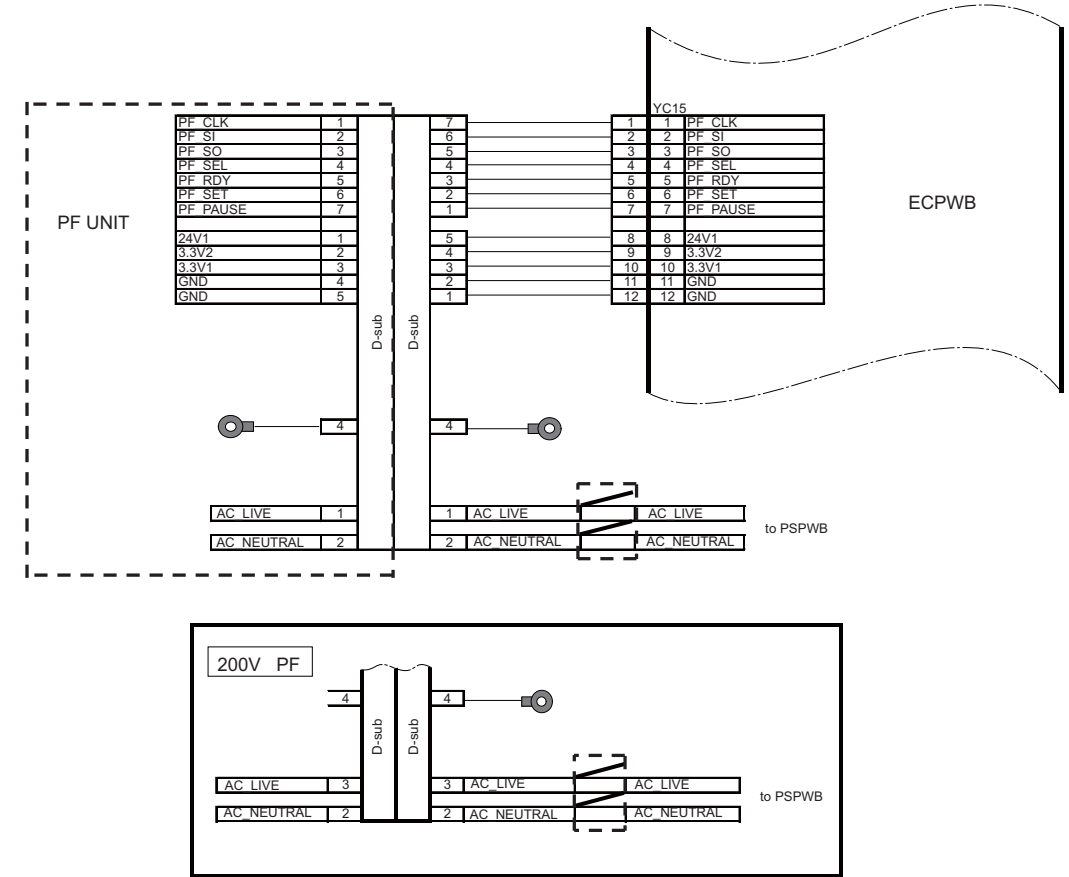
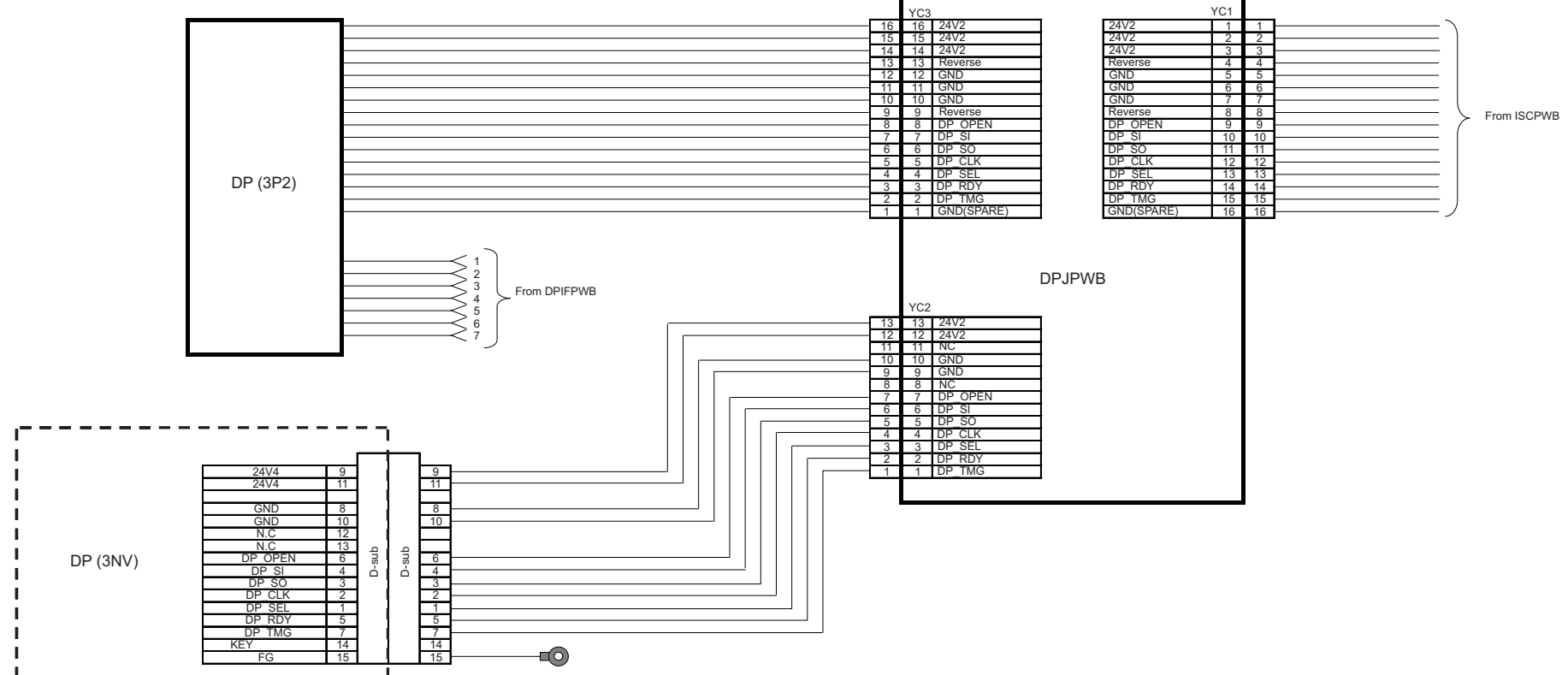
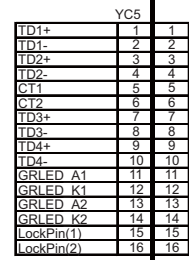
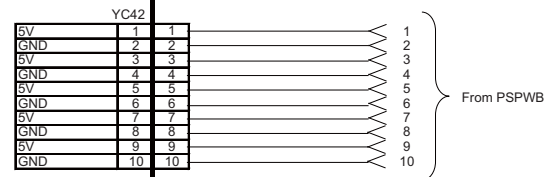








MPWB



DP-770(B) / (Document processor)
DP-772 / (Document processor)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

GUIDA ALL'INSTALLAZIONE

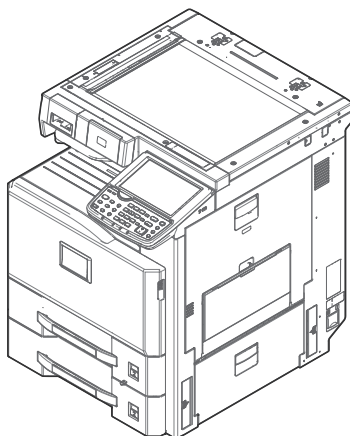
安装手册

설치안내서

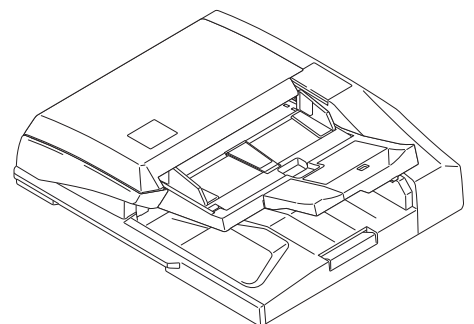
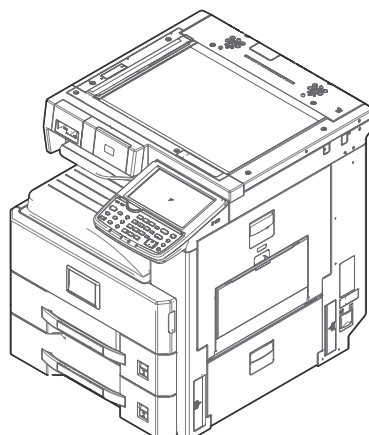
設置手順書

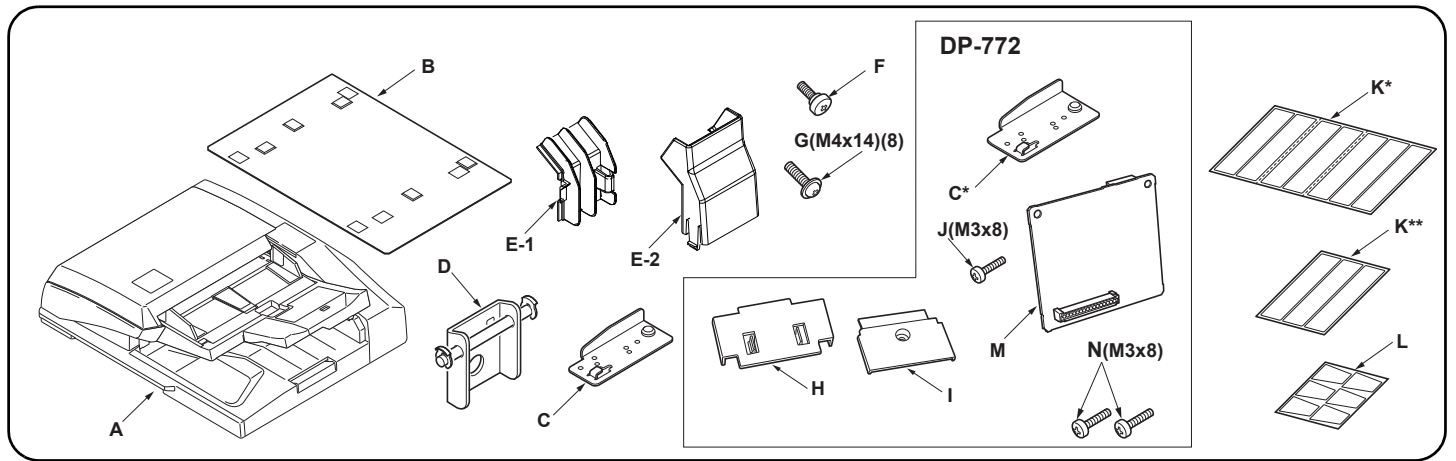
DP-770(B)
DP-772

for Color MFP 25/25ppm

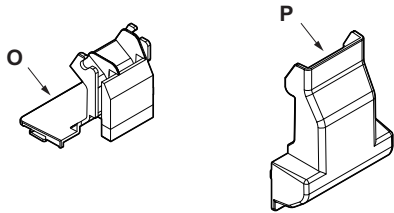


for Black & White MFP
30ppm,35ppm





English		
Supplied parts		
A. DP	1	
B. Original mat	1	
C. Fixing fitting (width: 38.5 mm)	2 (DP-770(B))	
	1 (DP-772)	
C*. Fixing fitting (width: 45 mm) ¹	1	
D. Angle control fitting	1	
E-1. DP cable cover1 *2	1	
E-2. DP cable cover2 *2	1	
F. Pin	1	
G. M4 x 14TP screw	8	
H. Left hinge cover ¹	1	
I. Right hinge cover ¹	1	
J. M3 x 8 screw BLACK ¹	1	
K. Label "Operation procedure"	1	
	*	for metric specification
	**	for inch specification
L. Caution label "Original face up!"	1	
M. DP relay PWB ¹	1	
N. M3 x 8 screw ¹	2	
	*1	DP-772 only, *2: (E-1) and (E-2) are not used.
Français		
Pièces fournies		
A. DP	1	
B. Plaque d'original	1	
C. Fixation (largeur: 38,5 mm)	2 (DP-770(B))	
	1 (DP-772)	
C.*Fixation (largeur: 45 mm) ¹	1	
D. Fixation d'angle	1	
E-1. Couverture du câble du DP1 *2	1	
E-2. Couverture du câble du DP2 *2	1	
F. Goupille	1	
G. Vis TP M4 x 14	8	
H. Couverture de charnière gauche ¹	1	
I. Couverture de charnière droite ¹	1	
J. Vis M3 x 8 NOIRE ¹	1	
K. Étiquette relative à la procédure d'utilisation	1	
	*	pour des spécifications métriques
	**	pour des spécifications anglo-saxonnes
L. Étiquette d'avertissement relative à l'orientation vers le haut de la face de l'original	1	
M. Carte de circuit imprimé relais du DP ¹	1	
N. Vis M3 x 8 ¹	2	
	*1	DP-772 uniquement, *2: (E-1) et (E-2) ne sont pas utilisés.
Español		
Partes suministradas		
A. DP	1	
B. Alfombrilla para originales	1	
C. Herraje de fijación (anchura: 38,5 mm)	2 (DP-770(B))	
	1 (DP-772)	
C*. Herraje de fijación (anchura: 45 mm) ¹	1	
D. Herraje de control de ángulo	1	
E-1. Cubierta del cable del DP1 *2	1	
E-2. Cubierta del cable del DP2 *2	1	
F. Pasador	1	
G. Tornillo TP M4 x 14	8	
H. Cubierta de la bisagra izquierda ¹	1	
I. Cubierta de la bisagra derecha ¹	1	
J. Tornillo M3 x 8 NEGRO ¹	1	
K. Etiqueta "Procedimiento operativo"	1	
	*	para especificaciones en el sistema métrico
	**	para especificaciones en el sistema de pulgadas
L. Etiqueta de precaución "Original cara arriba"	1	
M. PWB del relé del DP ¹	1	
N. Tornillo M3 x 8 ¹	2	
	*1	DP-772 solamente, *2: (E-1) y (E-2) no se utilizan.
Deutsch		
Enthaltene Teile		
A. DP	1	
B. Originalmatte	1	
C. Befestigungshalterung (Breite: 38,5 mm)	2 (DP-770(B))	
	1 (DP-772)	
C*. Befestigungshalterung (Breite: 45 mm) ¹	1	
D. Winkeleinstellbefestigung	1	
E-1. DP-Kabelabdeckung1 *2	1	
E-2. DP-Kabelabdeckung2 *2	1	
F. Stift	1	
G. M4 x 14TP Schraube	8	
H. Linke Scharnierabdeckung ¹	1	
I. Rechte Scharnierabdeckung ¹	1	
J. M3 x 8 Schraube SCHWARZ ¹	1	
K. Schild "Funktionsanweisung"	1	
	*	für metrische Angaben
	**	für Angaben in Zoll
L. Warnschild "Originalschriftseite nach oben"	1	
M. DP-Relaisleiterplatte ¹	1	
N. M3 x 8 Schraube ¹	2	
	*1	nur DP-772, *2: (E-1) und (E-2) werden nicht benötigt.
Italiano		
Parti fornite		
A. DP	1	
B. Tappetino originale	1	
C. Accessorio di fissaggio (larghezza: 38,5 mm)	2 (DP-770(B))	
	1 (DP-772)	
C*. Accessorio di fissaggio (larghezza: 45 mm) ¹	1	
D. Accessorio di regolazione angolare	1	
E-1. Coperchio del cavo DP1 *2	1	
E-2. Coperchio del cavo DP2 *2	1	
F. Perno	1	
G. Vite M4 x 14TP	8	
H. Coperchio cerniera sinistra ¹	1	
I. Coperchio cerniera destra ¹	1	
J. Vite M3 x 8 NERA ¹	1	
K. Etichetta "Procedura di funzionamento"	1	
	*	per specifiche in unità del sistema metrico
	**	per specifiche in pollici
L. Etichetta di avvertimento "Originale rivolto verso l'alto!"	1	
M. Scheda a circuiti stampati di comunicazione DP ¹	1	
N. Vite M3 x 8 ¹	2	
	*1	Solo DP-772, *2: (E-1) e (E-2) non sono utilizzati.
简体中文		
附属品		
A. DP	1	
B. 原稿垫	1	
C. 固定工具 (宽 38.5mm)	2 (DP-770(B))	
	1 (DP-772)	
C*. 固定工具 (宽 45mm) ^{*1}	1	
D. 角度限制工具	1	
E-1. DP 电缆盖板 1 ^{*2}	1	
E-2. DP 电缆盖板 2 ^{*2}	1	
F. 销	1	
G. M4 x 14TP 螺丝	8	
H. 左部铰链盖板 ^{*1}	1	
I. 右部铰链盖板 ^{*1}	1	
J. M3 x 8 螺丝 BLACK ^{*1}	1	
M. DP 中继板 ^{*1}	1	
N. M3 x 8 螺丝 ^{*1}	2	
	*1	仅限 DP-772
	*2	不使用 (E-1) 和 (E-2)。
		(K) 和 (L) 并非附属品。
한국어		
동봉품		
A. DP	1	
B. 원고매트	1	
C. 고정쇠 (38.5mm 폭)	2 (DP-770(B))	
	1 (DP-772)	
C*. 고정쇠 (45mm 폭) ^{*1}	1	
D. 각도 고정쇠	1	
E-1. DP 케이블커버 1 ^{*2}	1	
E-2. DP 케이블커버 2 ^{*2}	1	
F. 핀	1	
G. 나사 M4 x 14TP	8	
H. 힌지커버 좌 ^{*1}	1	
I. 힌지커버 우 ^{*1}	1	
J. 나사 M3 x 8 BLACK ^{*1}	1	
M. DP 중계기판 ^{*1}	1	
N. 나사 M3 x 8 ^{*1}	2	
	*1	DP-772 만
	*2	(E-1) 와 (E-2) 는 사용되지 않습니다.
		(K) (L) 는 동봉되어 있지 않습니다.
日本語		
同梱品		
A. DP	1	
B. 原稿マット	1	
C. 固定金具 (38.5mm 幅)	2 (DP-770(B))	
	1 (DP-772)	
C*. 固定金具 (45mm 幅) ^{*1}	1	
D. 角度規制金具	1	
E-1. DP ケーブルカバー1 ^{*2}	1	
E-2. DP ケーブルカバー2 ^{*2}	1	
F. ピン	1	
G. ビス M4 x 14TP	8	
H. 左ヒンジカバー ^{*1}	1	
I. 右ヒンジカバー ^{*1}	1	
J. ビス M3 x 8 BLACK ^{*1}	1	
M. DP 中継基板 ^{*1}	1	
N. ビス M3 x 8 ^{*1}	2	
	*1	DP-772 のみ
	*2	(E-1), (E-2) は使用しない。
		(K) (L) は、同梱されていない。



- O. DP cable cover B *3..... 1
- P. DP cable cover C *3..... 1

*3:(O) and (P) are supplied with the machine.

Be sure to remove any tape and/or cushioning materials from the parts supplied.

- O. Couvercle du câble du DP B *3 1
- P. Couvercle du câble du DP C *3 1

*3:(O) et (P) sont fournis avec la machine.

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

- O. Cubierta del cable del DP B *3..... 1
- P. Cubierta del cable del DP C *3 1

*3:(O) y (P) se proporcionan con la máquina.

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

- O. DP-Kabelabdeckung B *3..... 1
- P. DP-Kabelabdeckung C *3..... 1

*3:(O) und (P) werden mit dem Gerät ausgeliefert.

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

- O. Coperchio del cavo DP B *3 1
- P. Coperchio del cavo DP B *3 1

*3:(O) e (P) sono forniti con la macchina.

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

- O. DP 电缆盖板 B *3 1
- P. DP 电缆盖板 C *3 1

*3: (O), (P) 是机器的附属品。

如果附属品上带有固定胶带，缓冲材料时务必揭下。

- O. DP 케이블커버 B *3..... 1
- P. DP 케이블커버 C *3..... 1

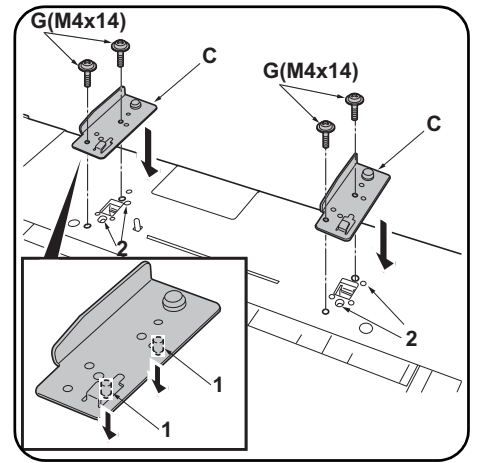
*3: (O),(P) 는 본체와 함께 제공됩니다 .

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오 .

- O. DP ケーブルカバーB *3 1
- P. DP ケーブルカバーC *3 1

*3: (O), (P) は機械本体に同梱。

同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。



NOTICE

The illustrations of the DP in the Installation Guide are for DP-772.

Procedure

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

Attach the fixing fitting (DP-770(B))

1. Align projections (1) of each fixing fitting (C) with holes (2) on the MFP and insert the fixing fittings (C) into the MFP.
2. Secure each fixing fitting (C) with two M4 x 14TP screws (G).

REMARQUE

Les schémas du DP dans le Guide d'installation concernent le DP-772.

Procédure

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

Mettre en place la fixation (DP-770(B))

1. Aligner les saillies (1) de chacune des pièces de fixation (C) avec les trous (2) sur le MFP et insérer ces pièces (C) dans le MFP.
2. Fixer chacune des pièces de fixation (C) avec deux vis M4 x 14TP (G).

AVISO

Las ilustraciones del DP en la Guía de instalación corresponden al DP-772.

Procedimiento

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

Monte el herraje de fijación (DP-770(B))

1. Alinee las salientes (1) de cada herraje de fijación (C) con los orificios (2) del MFP e inserte los herrajes de fijación (C) en el MFP.
2. Asegure cada uno de los herrajes de fijación (C) con dos tornillos M4 x 14TP (G).

ANMERKUNG

Die Abbildungen des DP in der Installationsanleitung gelten für Modell DP-772.

Vorgehensweise

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

Anbringen der Befestigungshalterung (DP-770(B))

1. Die Zapfen (1) jeder Befestigungshalterung (C) mit den Öffnungen (2) am MFP ausrichten und die Befestigungshalterungen (C) in den MFP einsetzen.
2. Jede Befestigungshalterung (C) mit zwei M4 x 14TP Schrauben (G) befestigen.

AVVISO

Le illustrazioni del DP nella Guida all'installazione sono per il modello DP-772.

Procedura

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

Applicazione dell'accessorio di fissaggio (DP-770(B))

1. Allineare le sporgenze (1) di ogni accessorio di fissaggio (C) con i fori (2) sull'MFP, ed inserire gli accessori di fissaggio (C) nell'MFP.
2. Bloccare ogni accessorio di fissaggio (C) con le due viti M4 x 14TP (G).

注意

安装手册中关于 DP 的图示以 DP-772 为例。

安装步骤

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

安装固定工具。(DP-770(B))

1. 将各固定工具 (C) 上的突出部分 (1) 与 MFP 上的孔 (2) 对齐，然后将固定工具 (C) 插入 MFP 中。
2. 用两颗 M4 x 14TP 螺丝 (G) 固定各固定工具 (C)。

주의

설치순서에 기재되어 있는 DP 일러스트는 DP-772 입니다 .

설치순서

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오 .

고정쇠의 부착 (DP-770(B))

1. 고정쇠 (C) 의 돌기 (1) 와 MFP 의 구멍 (2) 을 맞추고 MFP 에 고정쇠 (C) 를 꽂습니다 .
2. 나사 M4 x 14TP(G) 각 2 개로 2 개의 고정쇠 (C) 를 고정합니다 .

注意

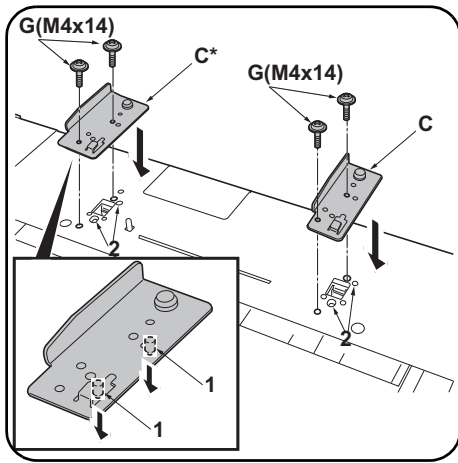
設置手順書に記載している DP のイラストは、DP-772 です。

取付手順

必ず機械本体の主電源スイッチを OFF にし、機械本体の電源プラグを抜いてから作業すること。

固定金具の取り付け(DP-770(B))

1. 固定金具 (C) の突起 (1) と MFP の穴 (2) を合わせ、MFP に固定金具 (C) を差し込む。
2. ビス M4 x 14TP(G) 各 2 本で 2 つの固定金具 (C) を固定する。



Attach the fixing fitting (DP-772)

1. Align the projections (1) on the right fixing fitting (C) and on the wider left fixing fitting (C*) with the respective holes (2) in the MFP and then insert the fixing fittings into the MFP.
2. Secure each of the fixing fittings (C) (C*) with 2 M4 x 14TP screws (G).

Mettre en place la fixation (DP-772)

1. Aligner les saillies (1) de la fixation droite (C) et de la fixation gauche plus large (C*) avec les trous correspondants (2) du MFP et insérer les fixations dans le MFP.
2. Fixer chaque des fixations (C) (C*) avec 2 vis TP M4 x 14 (G).

Monte el herraje de fijación (DP-772)

1. Alinee los salientes (1) del herraje de fijación derecho (C) y del herraje de fijación izquierdo más ancho (C*) con los orificios correspondientes (2) del MFP y, después, inserte los herrajes de fijación en el MFP.
2. Asegure cada uno de los herrajes de fijación (C) (C*) con 2 tornillos TP M4 x 14 (G).

Anbringen der Befestigungshalterung (DP-772)

1. Die Zapfen (1) an der rechten Befestigungshalterung (C) und an der breiteren Befestigungshalterung (C*) mit den entsprechenden Öffnungen (2) am MFP ausrichten und die Befestigungshalterungen in den MFP einsetzen.
2. Die Befestigungshalterungen (C) (C*) mit den 2 M4 x 14TP Schrauben (G) befestigen.

Applicazione dell'accessorio di fissaggio (DP-772)

1. Allineare le sporgenze (1) sull'accessorio di fissaggio destro (C) e sull'accessorio di fissaggio sinistro più largo (C*) con i rispettivi fori (2) nell'MFP, e quindi inserire gli accessori di fissaggio nell'MFP.
2. Fissare ciascuno degli accessori di fissaggio (C) (C*) con 2 viti M4 x 14TP (G).

安装固定工具 (DP-772)

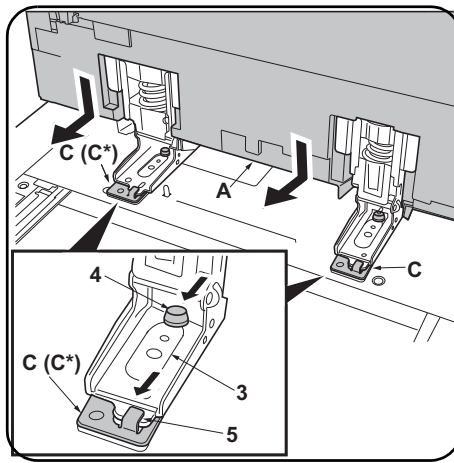
1. 将固定工具 (C) 从右侧、宽幅固定夹具 (C*) 从左侧将各自的突出部分 (1) 与 MFP 的孔 (2) 对齐并插入到 MFP 中。
2. 使用各 2 颗 M4×14 螺丝 TP(G) 来固定固定工具 (C) 与固定工具 (C*)

고정쇠의 부착 (DP-772)

1. 우측에 고정쇠 (C), 좌측에 광폭 고정쇠 (C*) 각각의 돌기 (1) 와 MFP 구멍 (2) 을 맞추고 MFP 에 끼웁니다 .
2. 나사 M4×14TP(G) 각 2 개로 고정쇠 (C) 와 고정쇠 (C*) 를 고정합니다 .

固定金具の取り付け(DP-772)

1. 右側に固定金具 (C)、左側に幅広の固定金具 (C*) のそれぞれの突起 (1) と MFP の穴 (2) を合わせ、MFP に差し込む。
2. ビス M4×14TP(G) 各 2 本で固定金具 (C) と固定金具 (C*) を固定する。



Install the DP

3. Align hinge hole (3) of DP (A) with pin (4) of fixing fitting (C), place DP (A) on the MFP.
4. Slide the DP (A) toward the front side and engage hinges into hooks (5) on fixing fittings (C).

Installer le DP

3. Aligner le trou de la charnière (3) du DP (A) sur la goupille (4) de la fixation (C) et placer le DP (A) sur le MFP.
4. Faire glisser le DP (A) vers l'avant et engager les charnières dans les crochets (5) sur les pièces de fixation (C).

Instale el DP

3. Alinee el orificio de bisagra (3) del DP (A) con el pasador (4) del herraje de fijación (C) y coloque el DP (A) en el MFP.
4. Deslice el DP (A) hacia el frente y enganche las bisagras en los ganchos (5) de los herrajes de fijación (C).

Installieren des DP

3. Scharnierloch (3) des DP (A) mit Stift (4) der Befestigungshalterung (C) ausrichten, und DP (A) auf den MFP stellen.
4. Den DP (A) nach vorne hin verschieben und die Scharniere in die Haken (5) an den Befestigungshalterungen (C) einsetzen.

Montaggio del DP

3. Allineare il foro della cerniera (3) del DP (A) con il perno (4) dell'accessorio di fissaggio (C), quindi posizionare il DP (A) sull'MFP.
4. Far scorrere il DP (A) verso il lato anteriore ed inserire le cerniere nei ganci (5) sugli accessori di fissaggio (C).

安装 DP

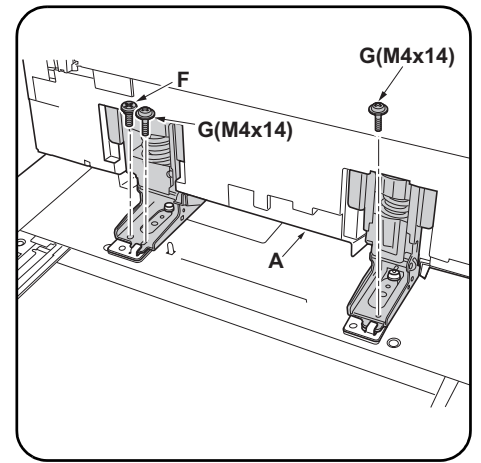
3. 将 DP (A) 的铰链孔 (3) 对准固定工具 (C) 的销 (4), 并将 DP (A) 放在 MFP 上。
4. 朝前侧滑动 DP (A), 然后将铰链与固定工具 (C) 上的卡扣 (5) 相啮合。

DP 부착

3. DP(A) 의 힌지부 구멍 (3) 과 고정쇠 (C) 핀 (4) 을 맞추고 MFP 에 DP(A) 를 올립니다 .
4. DP(A) 를 미끄러트려 힌지부를 고정쇠 (C) 의 걸쇠 (5) 에 끼웁니다 .

DP의取り付け

3. DP (A) のヒンジ部の穴 (3) と固定金具 (C) のピン (4) を合わせ、MFP に DP (A) を乗せる。
4. DP (A) を手前にスライドさせ、ヒンジ部を固定金具 (C) の引っ掛け部 (5) にはめ込む。



5. Install DP (A) onto the MFP securely with pin (F) and two M4 x 14TP screws (G).

5. Installer le DP (A) sur le MFP en le fixant à l'aide de la goupille (F) et des deux vis TP M4 x 14 (G).

5. Instale el DP (A) firmemente en el MFP con el pasador (F) y dos tornillos TP M4 x 14 (G).

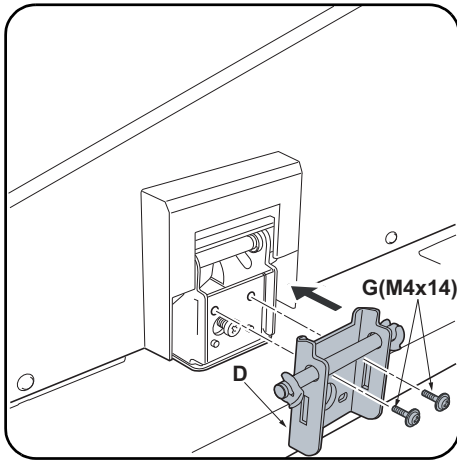
5. DP (A) sicher mit einem Stift (F) und zwei M4 x 14TP Schrauben (G) am MFP befestigen.

5. Montare il DP (A) sull'MFP assicurandolo con il perno (F) e due viti M4 x 14TP (G).

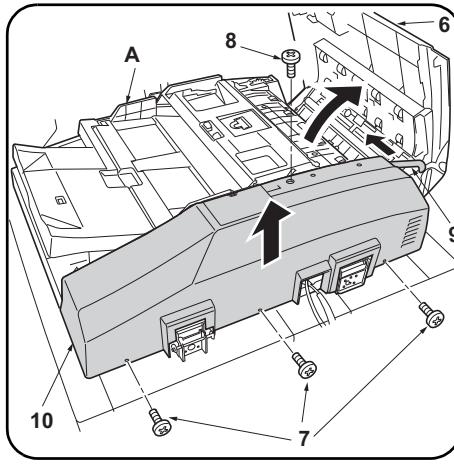
5. 用销 (F) 和两颗 M4×14TP 螺丝 (G) 将 DP (A) 安装到 MFP 上。

5. 핀 (F) 1 개와 나사 M4×14TP(G) 2 개로 DP(A) 를 MFP 에 고정합니다 .

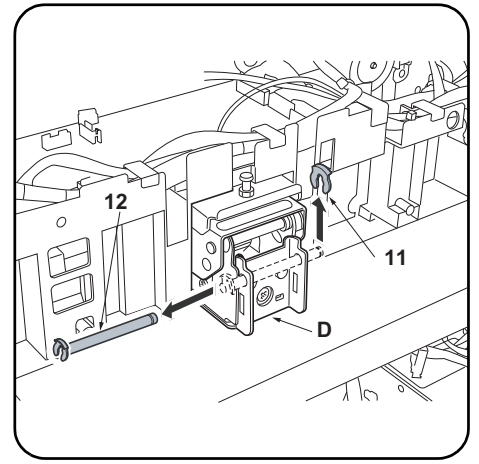
5. 핀 (F) 1 本とビス M4×14TP(G) 2 本で DP (A) を MFP に固定する。



Install the angle control fitting
To adjust DP open-close angle 60 degrees
 6. Install angle control fitting (D) at the rear side of the right hinge with two M4 x 14TP screws (G).



To adjust DP open-close angle 30 degrees
 7. Open the upper cover (6) of the DP (A).
 8. Remove the four screws (7) and (8). Remove the strap (9) from the rear cover (10). Remove the rear cover (10) of the DP (A).



9. Remove stop ring (11) of angle control fitting (D) that has been installed in step 6 to remove shaft (12).

Installer la fixation d'angle
Pour régler l'angle d'ouverture/de fermeture du DP de 60 degrés
 6. Placer la fixation d'angle (D) à l'arrière de la charnière droite à l'aide des deux vis TP M4 x 14 (G).

Pour régler l'angle d'ouverture/de fermeture du DP de 30 degrés
 7. Ouvrir le couvercle supérieur (6) du DP (A).
 8. Retirer les quatre vis (7) et (8). Retirer la courroie (9) du couvercle arrière (10). Retirer la couvercle arrière (10) du DP (A).

9. Retirer l'anneau de butée (11) de la fixation d'angle (D) installée à l'étape 6 pour enlever la tige (12).

Instale el herraje de control de ángulo
Para ajustar el DP, abra o cierre el ángulo 60 grados
 6. Instale el herraje de control de ángulo (D) en el lado trasero de la bisagra derecha con dos tornillos TP M4 x 14 (G).

Para ajustar el DP, abra o cierre el ángulo 30 grados
 7. Abra la cubierta superior (6) del DP (A).
 8. Quite los cuatro tornillos (7) y (8). Retire la correa (9) de la cubierta posterior (10). Quite la cubierta posterior (10) del DP (A).

9. Retire el anillo de retención (11) del herraje de control de ángulo (D) que se instaló en el paso 6 para retirar el eje (12).

Installieren der Winkeleinstellbefestigung
Einstellen des Öffnungs-/Schließungswinkels des DP um 60 Grad
 6. Winkeleinstellbefestigung (D) an der Rückseite des rechten Scharniers mit zwei M4 x 14TP Schrauben (G) befestigen.

Einstellen des Öffnungs-/Schließungswinkels des DP um 30 Grad
 7. Die obere Abdeckung (6) des DP (A) öffnen.
 8. Entfernen Sie die vier Schrauben (7) und (8). Entfernen Sie den Riemen (9) der hinteren Abdeckung (10). Entfernen Sie die hintere Abdeckung (10) des DP (A).

9. Anschlagring (11) von der Winkeleinstellbefestigung (D) abnehmen, die in Schritt 6 montiert wurde, um die Welle (12) zu entfernen.

Montaggio dell'accessorio di regolazione angolare
Per regolare l'angolo di chiusura / apertura del DP a 60 gradi
 6. Montare l'accessorio di regolazione angolare (D) sul lato posteriore della cerniera destra con due viti M4 x 14TP (G).

Per regolare l'angolo di chiusura / apertura del DP a 30 gradi
 7. Aprire il pannello superiore (6) del DP (A).
 8. Togliere le quattro viti (7) e (8). Rimuovere la cinghietta (9) dal coperchio posteriore (10). Rimuovere il coperchio posteriore (10) del DP (A).

9. Rimuovere l'anello di bloccaggio (11) dell'accessorio di regolazione angolare (D) che era stato installato al Punto 6 per rimuovere l'albero (12).

安装角度限制工具
若要将DP的开关角度调整为60度
 6. 在右部铰链的后部使用两颗M4×14TP螺丝(G)安装角度限制工具(D)。

若要将DP的开关角度调整为30度
 7. 打开DP(A)的上盖板(6)。
 8. 取下4颗螺丝(7),(8)。从后盖板(10)上取下塑料片(9)。取下DP(A)的后盖板(10)。

9. 拆下在第6步中安装的角度控制配件(D)的止动环(11),以将轴(12)拆下。

각도 고정쇠의 부착
DP 개폐각도를 60도로 설정하는 경우
 6. 우 힌지 뒷측에 나사 M4×14TP(G) 2 개로 각도 고정쇠 (D) 를 부착합니다 .

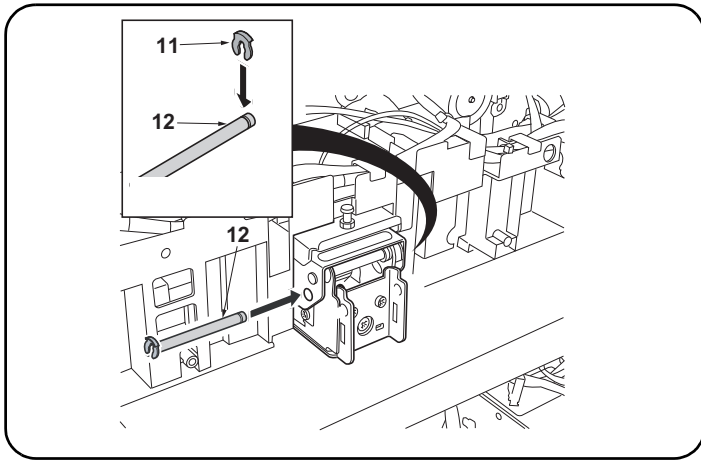
DP 개폐 각도를 30도로 설정하는 경우
 7. DP(A) 의 DP 윗커버 (6) 를 엽니다 .
 8. 나사 (7), (8) 4 개를 제거합니다 . 스트랩 (9) 를 후면 커버 (10) 에서 제거합니다 .DP(A) 의 후면 커버 (10) 를 제거합니다 .

9. 순서 6 에서 부착한 각도 고정쇠 (D) 의 스톱 링 (11) 1 개를 제거하고 샤프트 (12) 를 제거 합니다 .

角度規制金具の取り付け
DP 開閉角度を60度に設定する場合
 6. 右ヒンジ後側にビス M4×14TP(G) 2 本で角度規制金具 (D) を取り付けます。

DP 開閉角度を30度に設定する場合
 7. DP (A) のDP 上カバー (6) を開く。
 8. ビス (7)、(8) 4 本を外す。ストラップ (9) を後カバー (10) から外す。DP (A) の後カバー (10) を取り外す。

9. 手順6 で取り付けした角度規制金具 (D) のストップリング (11) 1 個を外し、シャフト (12) を取り外す。



10. Insert shaft (12) into the rear side of the right hinge.
11. Attach stop ring (11) to the notch of shaft (12) and secure shaft (12).
12. Reinstall the rear cover (10) using the four screws (7) and (8) removed in step 8. Attach the strap (9) in the rear cover (10). Close the upper cover (6) of the DP (A).

10. Insérer la tige (12) à l'arrière de la charnière droite.
11. Fixer l'anneau de butée (11) sur l'encoche de la tige (12) et mettre en place la tige (12).
12. Remonter la couvercle arrière (10) à l'aide des quatre vis (7) et (8) retirées à l'étape 8. Fixer la courroie (9) dans le couvercle arrière (10). Refermer le couvercle supérieur (6) du DP (A).

10. Inserte el eje (12) en el lado trasero de la bisagra derecha.
11. Fije el anillo de retención (11) a la muesca del eje (12) y asegure el eje (12).
12. Vuelva a colocar la cubierta posterior (10) con los cuatro tornillos (7) y (8) que quitó en el paso 8. Coloque la correa (9) de la cubierta posterior (10). Cierre la cubierta superior (6) del DP (A).

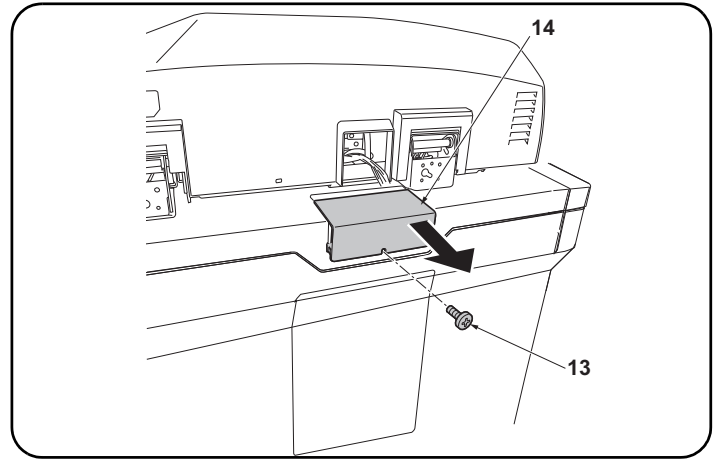
10. Welle (12) in die Rückseite des rechten Scharniers einsetzen.
11. Anschlagring (11) an der Wellenkerbe (12) anbringen und Welle befestigen (12).
12. Bringen Sie die hintere Abdeckung (10) wieder an. Benutzen Sie die vier Schrauben (7) und (8) aus Schritt 8. Befestigen Sie den Riemen (9) der hinteren Abdeckung (10). Schließen Sie die obere Abdeckung (6) des DP (A).

10. Inserire l'albero (12) nella parte posteriore della cerniera destra.
11. Applicare l'anello di bloccaggio (11) nell'incavo dell'albero (12) e assicurare l'albero (12).
12. Rimontare il coperchio posteriore (10) utilizzando le quattro viti (7) e (8) rimosse al punto 8. Rimontare la cinghietta (9) sul coperchio posteriore (10). Chiudere il pannello superiore (6) del DP (A).

10. 将轴 (12) 插入到右部铰链的后部。
11. 将止动环 (11) 安装到轴 (12) 的切口并将轴 (12) 固定。
12. 使用步骤 8 中取下的 4 颗螺丝 (7), (8) 来按原样安装后盖板 (10)。把塑料片 (9) 安装到后盖板 (10)。关闭 DP (A) 的 DP 上盖板 (6)。

10. 우 힌지 뒷측에 샤프트 (12) 를 삽입합니다 .
11. 스톱링 (11) 을 샤프트 (12) 의 구에 부착하고 샤프트 (12) 를 고정합니다 .
12. 순서 8 에서 제거한 나사 (7), (8) 4 개를 사용하여 후면 커버 (10) 를 원래대로 부착합니다 . 스트랩 (9) 을 후면 커버 (10) 에 부착합니다 . DP(A) 의 DP 윗 커버 (6) 를 닫습니다 .

10. 右ヒンジ後側にシャフト (12) を挿入する。
11. ストップリング (11) をシャフト (12) の溝に取り付け、シャフト (12) を固定する。
12. 手順 8 で外したビス (7)、(8) 4 本で後カバー (10) を元通り取り付けます。ストラップ (9) を後カバー (10) に取り付ける。DP (A) の DP 上カバー (6) を閉じる。



Connect the DP signal line (DP-770(B) only)

For the DP-772, proceed to step 13 on page 8.

13. Remove the screw (13) and remove the DP cable connection cover (14).
*(14) is not used.

Raccorder le circuit de transmission (DP-770(B) uniquement)

Pour le DP-772, passer à l'étape 13 en page 8.

13. Déposer la vis (13) et déposer le couvercle de la connexion du câble du DP (14).
*(14) n'est pas utilisé.

Conecte la línea de señales del DP (DP-770(B) solamente)

Para el DP-772, vaya al paso 13 de la página 8.

13. Quite el tornillo (13) y quite la cubierta de conexión del cable del DP (14).
*(14) no se utiliza.

Anschließen der DP-Signalleitungen (nur DP-770(B))

Beim DP-772 weitergehen zu Schritt 13 auf Seite 8.

13. Die Schraube (13) entfernen und die Abdeckung (14) des DP-Kabelanschlusses abnehmen.
*(14) wird nicht benötigt.

Collegare la linea del segnale DP (solo DP-770(B))

Per il DP-772, procedere al passo 13 a pagina 8.

13. Rimuovere la vite (13) e quindi rimuovere il coperchio di la connessione del cavo DP (14).
*(14) non è utilizzato.

连接 DP 信号线 (仅限 DP-770(B))

DP-772 跳至 P8 的步骤 13。

13. 拆除 1 颗螺丝 (13), 拆下 DP 电缆连接盖板 (14)。
※ 不使用 (14)。

DP 신호선의 접속 (DP-770(B) 만)

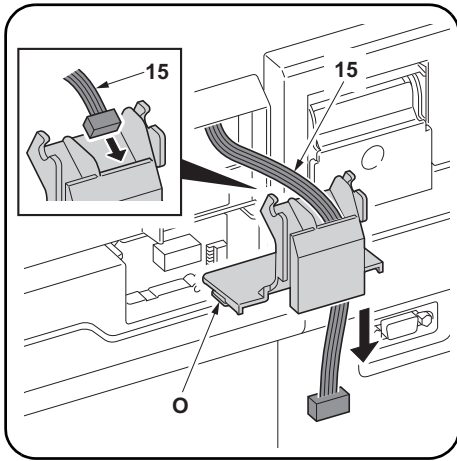
DP-772 은 P8 의 순서 13 으로 진행 .

13. 나사 (13) 1 개를 빼고 DP 케이블 접속커버 (14) 를 제거합니다 .
※ (14) 는 사용되지 않습니다 .

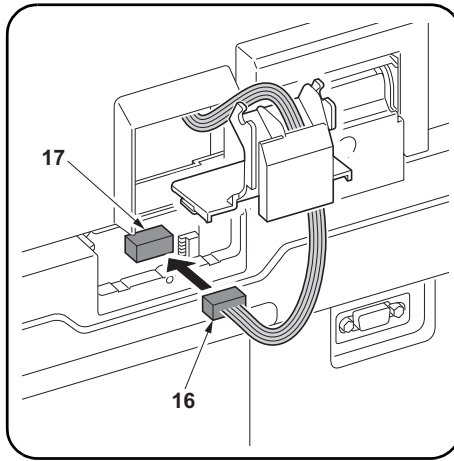
DP 信号線の接続 (DP-770(B) のみ)

DP-772 は P8 の手順 13 へ進む。

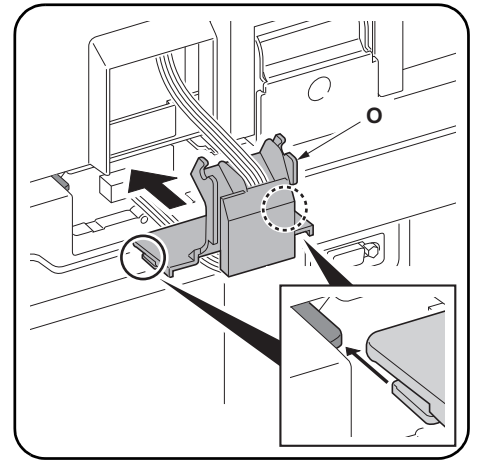
13. ビス (13) 1 本を外して、DP ケーブル接続カバー (14) を外す。
※ (14) は使用しない。



14. Pass the DP signal line cable (15) along the large groove in the DP cable cover B (O).



15. Connect the DP signal line connector (16) to the connector (17) of the ISC PWB.



16. Install the DP cable cover B (O).

14. Passez le câble de la ligne du signal DP (15) dans la grande rainure du couvercle B du câble DP (O).

15. Raccordez le connecteur de ligne de signal DP (16) sur le connecteur (17) de l'ISC PWB.

16. Installez le couvercle B du câble DP (O).

14. Pase el cable de línea de señales del DP (15) a lo largo de la ranura grande de la cubierta de cables B del DP (O).

15. Conecte el conector de línea de señales del DP (16) al conector (17) de ISC PWB.

16. Instale la cubierta de cables B del DP (O).

14. Führen Sie die DP Signalleitung (15) durch die große Nut der DP Steckerabdeckung B (O).

15. Verbinden Sie den Stecker der Signalleitung (16) des DP mit dem Steckverbinder (17) der ISC-Platine.

16. Befestigen Sie die Steckerabdeckung B (O) des DP.

14. Far passare il cavo di linea del segnale DP (15) lungo la scanalatura grande sul coperchio B del cavo DP (O).

15. Collegare il connettore di linea del segnale DP (16) al connettore (17) della scheda ISC PWB.

16. Installare il coperchio del cavo DP B (O).

14. 将 DP 信号线 (15) 穿过 DP 电缆盖板 B (O) 的大沟槽。

15. 把 DP 信号线的接插件 (16) 和 ISC 电路板的接插件 (17) 相连接。

16. 安装 DP 电缆盖板 B (O)。

14. DP 케이블 커버 B(O) 의 큰 홈을 따라 DP 시그널 라인 케이블 (15) 을 통과시킵니다 .

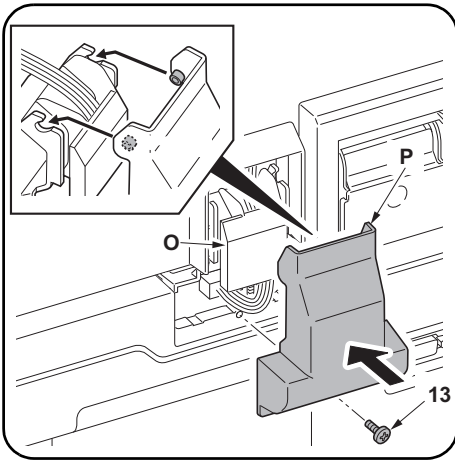
15. DP 시그널 라인 커넥터 (16) 를 ISC PWB 의 커넥터 (17) 에 연결합니다 .

16. DP 케이블 커버 B(O) 를 설치합니다 .

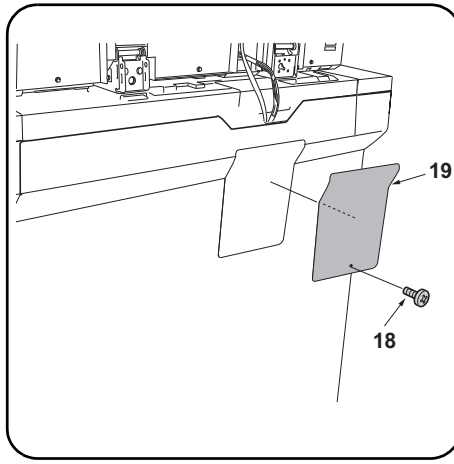
14. DP ケーブルカバー-B(O) の大きい溝に DP 信号線 (15) を通す。

15. DP 信号線コネクタ- (16) を ISC 基板のコネクタ- (17) に接続する。

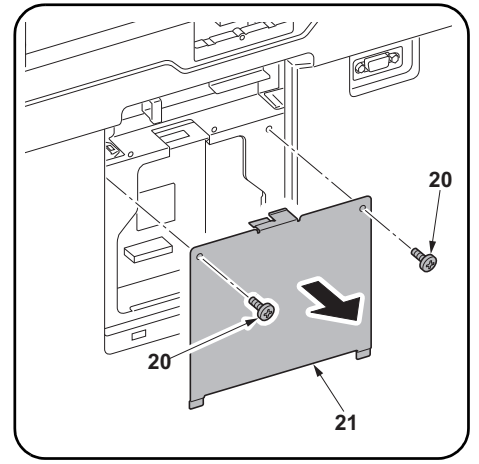
16. DP ケーブルカバー-B(O) を取り付けます。



17. Attach the DP cable cover C (P) to the DP cable cover B (O) and install the DP cable cover C (P) using the screw (13) removed in step 13.
Proceed to step 25 on page 13



Connect the DP signal line (DP-772 only)
13. Remove the screw (18). Remove the DP relay PWB cover (19).



14. Remove the two screws (20). Remove the cover (21) from the machine.

17. Fixer le couvercle du câble du DP C (P) sur le couvercle du câble du DP B (O) et installer le couvercle du câble du DP C (P) à l'aide de la vis (13) déposée à l'étape 13.
Passer à l'étape 25 de la page 13.

Raccorder le circuit de transmission (DP-772 uniquement)
13. Retirez la vis (18). Retirez le couvercle du circuit imprimé du relais du DP (19).

14. Retirez les deux vis (20). Retirez le couvercle (21) de la machine.

17. Fije la cubierta del cable del DP C (P) a la cubierta del cable del DP B (O) e instale la cubierta del cable del DP C (P) usando el tornillo (13) quitado en el paso 13.
Vaya al paso 25 de la página 13.

Conecte la línea de señales del DP (DP-772 solamente)
13. Quite el tornillo (18). Retire la cubierta de PWB del relé del DP (19).

14. Quite los dos tornillos (20). Retire la cubierta (21) de la máquina.

17. Die DP-Kabelabdeckung C (P) an der DP-Kabelabdeckung B (O) anbringen und die DP-Kabelabdeckung C (P) mittels der in Schritt 13 entfernten Schraube (13) befestigen.
Weitergehen zu Schritt 25 auf Seite 13.

Anschließen der DP-Signalleitungen (nur DP-772)
13. Entfernen Sie die Schraube (18). Entfernen Sie die Abdeckung (19) der DP-Verbindungsplatine zum Vorlageneinzug.

14. Entfernen Sie die beiden Schrauben (20). Entfernen Sie die Abdeckung (21) vom Gerät.

17. Fissare il coperchio del cavo DP C (P) al coperchio del cavo DP B (O), e quindi installare il coperchio del cavo DP C (P) utilizzando la vite (13) rimossa nel passo 13.
Procedere al passo 25 a pagina 13.

Collegare la linea del segnale DP (solo DP-772)
13. Togliere la vite (18). Rimuovere la scheda a circuiti stampati di comunicazione DP (19).

14. Togliere le due viti (20). Rimuovere il coperchio (21) dalla macchina.

17. 将 DP 电缆盖板 C(P) 安装到 DP 电缆盖板 B(O) 上, 使用步骤 13 中拆下的 1 颗螺丝 (13) 来安装 DP 电缆盖板 C(P)。
跳至 P13 的步骤 25。

连接 DP 信号线 (仅限 DP-772)
13. 拆除 1 颗螺丝 (18)。取下 DP 中继板的盖板 (19)。

14. 取下 2 颗螺丝 (20)。从机器上拆下盖板 (21)。

17. DP 케이블 커버 C(P) 를 DP 케이블 커버 B(O) 에 부착하고 스텝 13 에서 제거한 나사 (13) 1 개로 DP 케이블 커버 C(P) 를 부착합니다.
P13 의 스텝 25 로 진행.

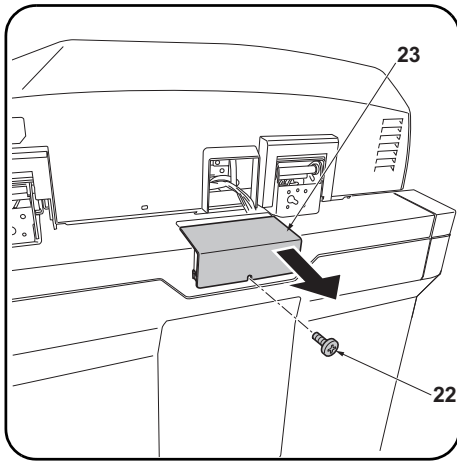
DP 시그널 라인 연결 (DP-772 만)
13. 나사 (18) 1 개를 제거합니다.
DP 중계기판 커버 (19) 를 제거합니다.

14. 나사 (20) 두 개를 제거합니다. 본체에서 커버 (21) 를 분리합니다.

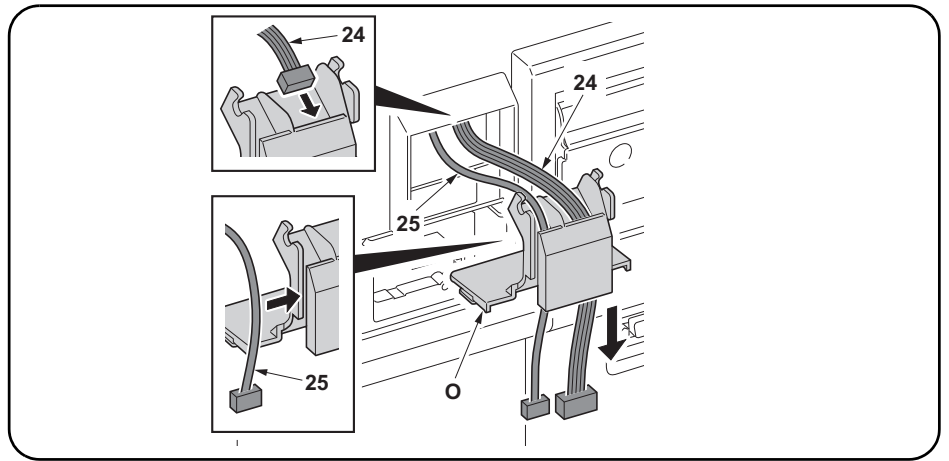
17. DP 케이블 커버 C(P) を DP 케이블 커버 B(O) に取り付け、手順 13 で外したビス (13) 1 本で固定する。
P13 の手順 25 へ進む。

DP 信号線の接続 (DP-772 のみ)
13. ビス (18) 1 本を外す。DP 中継基板カバー (19) を取り外す。

14. ビス (20) 2 本を外す。機械本体からフタ (21) を取り外す。



15. Remove the screw (22) and remove the DP cable connection cover (23).
*(23) is not used.



16. Pass the DP signal line cable (24) along the large groove in the DP cable cover B (O). Pass the CIS data line cable (25) along the other small groove.

NOTICE

To avoid image problems that may be caused when the both of the DP signal line cable (24) and CIS data line cable (25) were passed through in a same groove, be sure to slip the individual line in a separate groove as shown in the figure.

15. Déposer la vis (22) et déposer le couvercle de la connexion du câble du DP (23).
*(23) n'est pas utilisé.

16. Passez le câble de la ligne du signal DP (24) dans la grande rainure du couvercle B du câble DP (O). Passez le câble de ligne de données CIS (25) dans l'autre petite rainure.

REMARQUE

Pour éviter les problèmes d'image pouvant être causés lorsque le câble de ligne de signal DP (24) et le câble de ligne de données CIS (25) ont été passé dans une même rainure, assurez-vous de glisser chaque ligne dans une rainure à part comme indiqué sur la figure.

15. Quite el tornillo (22) y quite la cubierta de conexión del cable del DP (23).
*(23) no se utiliza.

16. Pase el cable de línea de señales del DP (24) a lo largo de la ranura grande de la cubierta de cables B del DP (O). Pase el cable de línea de datos de CIS (25) a lo largo de la otra ranura pequeña.

AVISO

Para evitar posibles problemas de imagen como consecuencia de pasar tanto el cable de línea de señales del DP (24) como el cable de línea de datos de CIS (25) a lo largo de la misma ranura, asegúrese de pasar cada una de las líneas por una ranura distinta como se muestra en la imagen.

15. Die Schraube (22) entfernen und die Abdeckung (23) des DP-Kabelanschlusses abnehmen.
*(23) wird nicht benötigt.

16. Führen Sie die DP Signalleitung (24) durch die große Nut der DP Steckerabdeckung B (O). Verlegen Sie die Datenleitung der CIS (25) durch die andere Nut.

ANMERKUNG

Um Probleme mit der Bildqualität zu vermeiden, die entstehen können, wenn die Signalleitung (24) des DP und die Datenleitung der CIS (25) durch die gleiche Nut geführt werden, stellen Sie sicher, dass jede Leitung in einer getrennten Nut geführt wird, wie in dem Bild gezeigt.

15. Rimuovere la vite (22) e quindi rimuovere il coperchio di la connessione del cavo DP (23).
*(23) non è utilizzato.

16. Far passare il cavo di linea del segnale DP (24) lungo la scanalatura grande sul coperchio B del cavo DP (O). Far passare il cavo di linea dei dati CIS (25) lungo l'altra scanalatura piccola.

AVVISO

Per evitare i problemi di immagine che si verificano quando il cavo di linea del segnale DP (24) e il cavo di linea dei dati CIS (25) vengono fatti passare nella stessa scanalatura, ricordarsi di far passare questi due cavi in scanalature separate come indicato in figura.

15. 拆除 1 顆螺絲 (22)，拆下 DP 電纜連接蓋板 (23)。
※ 不使用 (23)。

16. 將 DP 信號線 (24) 穿過 DP 電纜蓋板 B (O) 的大溝槽。把 CIS 數據線 (25) 穿過別的小溝槽。

注意

如將 DP 信號線 (24) 和 CIS 數據線 (25) 穿過同一個槽，可能會出現圖像異常，因此必須如圖所示分別穿過左右兩側的槽。

15. 나사 (22) 1 개를 빼고 DP 케이블 접속커버 (23) 를 제거합니다.
※ (23) 는 사용하지 않습니다.

16. DP 케이블 커버 B(O) 의 큰 홈을 따라 DP 시그널 라인 케이블 (24) 을 통과시킵니다. 다른 작은 홈을 따라 CIS 데이터 라인 케이블 (25) 을 통과시킵니다.

주의

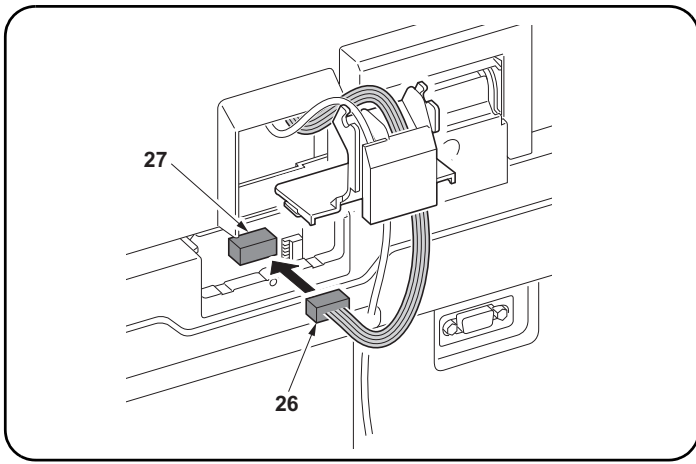
DP 시그널 라인 케이블 (24) 과 CIS 데이터 라인 케이블 (25) 을 같은 홈에 통과시키는 경우 화상 문제가 발생할 수 있으므로 그림과 같이 반드시 선을 따로 넣도록 하십시오.

15. ビス (22) 1 本を外して、DP ケーブル接続カバー (23) を外す。
※ (23) は使用しない。

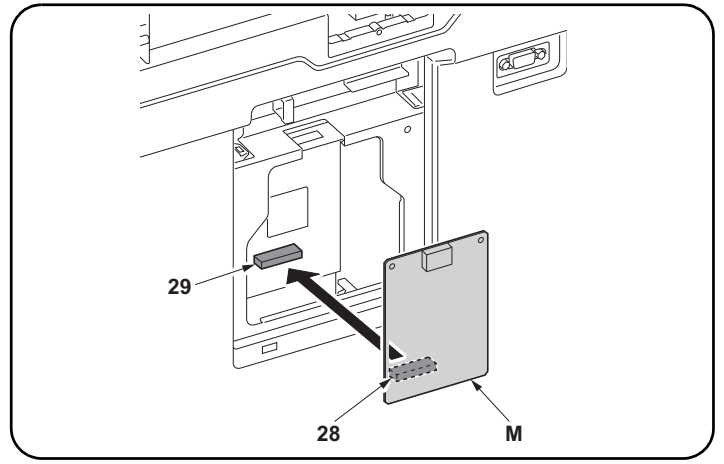
16. DP ケーブルカバー B(O) の大きい溝に DP 信号線 (24) を通す。別の小さい溝に CIS データ線 (25) を通す。

注意

DP 信号線 (24) と CIS データ線 (25) を同じ溝に通すと異常画像が発生する可能性があるため、図の様に左右の溝に別々に入れること。



17. Connect the DP signal line connector (26) to the connector (27) of the ISC PWB.



Installing the DP relay PWB

18. Connect connector (28) on the DP relay PWB (M) to connector (29) on the MFP.

17. Raccordez le connecteur de ligne de signal DP (26) sur le connecteur (27) de l'ISC PWB.

Installation de la carte de circuit imprimé relais du DP

18. Raccorder le connecteur (28) sur la carte de circuit imprimé relais du DP (M) au connecteur (29) sur le MFP.

17. Conecte el conector de línea de señales del DP (26) al conector (27) de ISC PWB.

Instalación del PWB del relé del DP

18. Conecte el conector (28) del PWB del relé del DP (M) al conector (29) del MFP.

17. Verbinden Sie den Stecker der Signalleitung (26) des DP mit dem Steckverbinder (27) der ISC-Platine.

Installieren der DP-Relaisleiterplatte

18. Den Stecker (28) an der DP-Relaisleiterplatte (M) mit dem Stecker (29) am MFP verbinden.

17. Collegare il connettore di linea del segnale DP (26) al connettore (27) della scheda ISC PWB.

Installazione della scheda a circuiti stampati di comunicazione DP

18. Collegare il connettore (28) sulla scheda a circuiti stampati di comunicazione DP (M) al connettore (29) sull'MFP.

17. 把 DP 信号线的接插件 (26) 和 ISC 电路板的接插件 (27) 相连接。

安装 DP 中继板

18. 将 DP 中继板 (M) 上的接插件 (28) 连接至 MFP 上的接插件 (29)。

17. DP 시그널 라인 커넥터 (26) 를 ISC PWB 의 커넥터 (27) 에 연결합니다 .

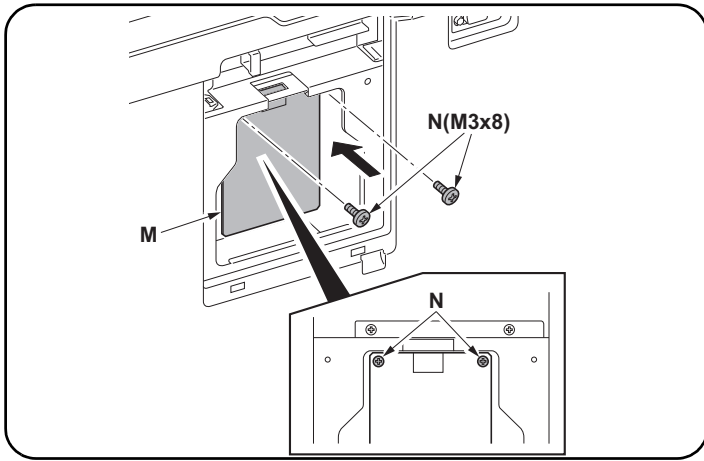
DP 중계기판의 부착

18. DP 중계기판 (M) 의 커넥터 (28) 를 MFP 의 커넥터 (29) 에 연결합니다 .

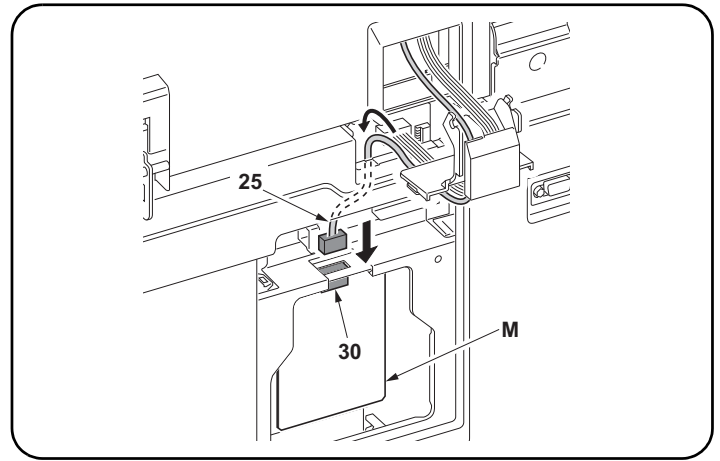
17. DP 信号線コネクタ (26) を ISC 基板のコネクタ (27) に接続する。

DP 中継基板の取り付け

18. DP 中継基板 (M) のコネクタ (28) を、MFP のコネクタ (29) に接続する。



19.Secure the DP relay PWB (M). Secure it with the two M3 × 8 screws (N) supplied with the DP-772.



20.Plug the CIS data line (25) into the connector (30) on the DP relay PWB (M).

19.Fixez la DP relay PWB (M). Fixez-la avec les deux vis M3 × 8 (N) fournies avec le DP-772.

20.Enficher le câble de la ligne des données du CIS (25) dans le connecteur (30) de la carte de circuit imprimé relais du DP (M).

19.Fije el DP relay PWB (M). Fíjelo con los dos tornillos M3 × 8 (N) suministrados con DP-772.

20.Enchufe la línea de datos CIS (25) al conector (30) PWB del relé del DP (M).

19.Befestigen Sie die DP Verbindungsplatine (M). Befestigen Sie es mit den beiden M3 × 8 Schrauben (N), die sich im Lieferumfang des DP-772 befinden.

20.Die CIS-Datenleitung (25) an den Stecker(30) auf der DP-Relaisleiterplatte (M) anschließen.

19.Fissare la scheda DP Relay PWB (M). Fissarla con le due viti M3 × 8 (N) fornite con l'alimentatore DP-772.

20.Inserire la linea dati CIS (25) nel connettore(30) sulla scheda a circuiti stampati di comunicazione DP (M).

19.固定 DP 中继板 (M)。使用 DP-772 附带的 2 颗 M3X8(N) 螺丝来固定。

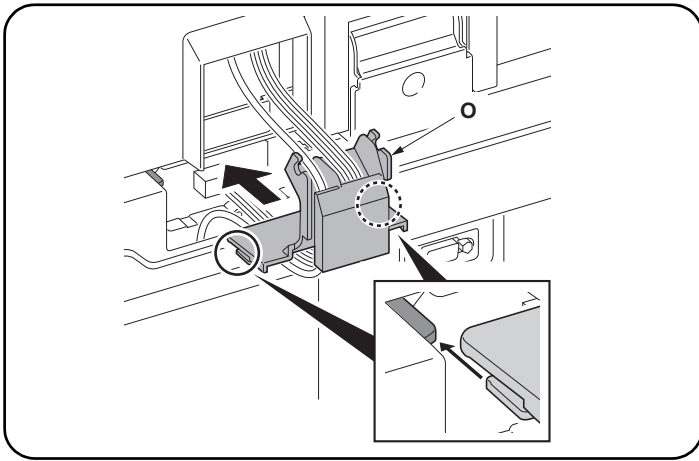
20.将 CIS 数据线 (25) 连接到 DP 中继电路板 (M) 上的接插件 (30) 上。

19. DP 중계 PWB (M) 를 고정합니다 . DP-772 에 같이 곤포의 나사 M3×8(N) 2 개로 고정합니다 .

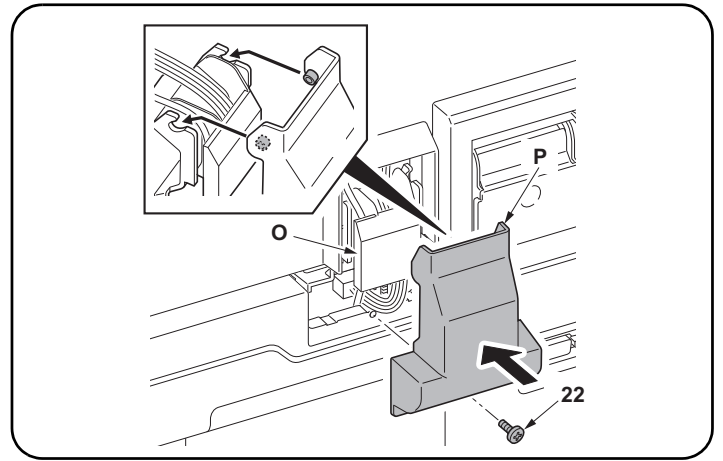
20. DP 중계기판 (M) 상의 커넥터 (30) 에 CIS 데이터선 (25) 을 접속합니다 .

19. DP 中继基板 (M) を固定する。DP-772 に同梱のビス M3×8(N)2 本で固定する。

20. DP 中继基板 (M) 上のコネクタ- (30) に CIS データ線 (25) を接続する。



21. Install the DP cable cover B (O).



22. Attach the DP cable cover C (P) to the DP cable cover B (O) and install the DP cable cover C (P) using the screw (22) removed in step 15.

23. Install the cover (21) using the 2 screws (20) removed in step 14.

24. Install the DP relay PWB cover (19) using the screw (18) removed in step 13.

21. Installez le couvercle B du câble DP (O).

22. Fixer le couvercle du câble du DP C (P) sur le couvercle du câble du DP B (O) et installer le couvercle du câble du DP C (P) à l'aide de la vis (22) déposée à l'étape 15.

23. Installez le couvercle (21) à l'aide des 2 vis (20) retirées à l'étape 14.

24. Installez le couvercle du circuit imprimé du relais du DP (19) à l'aide de la vis (18) retirées à l'étape 13.

21. Instale la cubierta de cables B del DP (O).

22. Fije la cubierta del cable del DP C (P) a la cubierta del cable del DP B (O) e instale la cubierta del cable del DP C (P) usando el tornillo (22) quitado en el paso 15.

23. Instale la cubierta (21) con los 2 tornillos (20) que quitó en el paso 14.

24. Instale la cubierta de PWB del relé del DP (19) con los el tornillos (18) que quitó en el paso 13.

21. Befestigen Sie die Steckerabdeckung B (O) des DP.

22. Die DP-Kabelabdeckung C (P) an der DP-Kabelabdeckung B (O) anbringen und die DP-Kabelabdeckung C (P) mittels der in Schritt 15 entfernten Schraube (22) befestigen.

23. Bringen Sie Abdeckung (21) wieder an. Benutzen Sie die 2 Schrauben (20) aus Schritt 14.

24. Bringen Sie die Abdeckung (19) der DP-Verbindungsplatine wieder an. Benutzen Sie die Schraube (18) aus Schritt 13.

21. Installare il coperchio del cavo DP B (O).

22. Fissare il coperchio del cavo DP C (P) al coperchio del cavo DP B (O), e quindi installare il coperchio del cavo DP C (P) utilizzando la vite (22) rimossa nel passo 15.

23. Installare il coperchio (21) utilizzando le 2 viti (20) rimosse al punto 14.

24. Installare il coperchio della scheda a circuiti stampati di comunicazione DP (19) utilizzando le viti (18) rimosse al punto 13.

21. 安装 DP 电缆盖板 B (O)。

22. 将 DP 电缆盖板 C (P) 安装到 DP 电缆盖板 B (O) 上, 使用步骤 15 中拆下的 1 颗螺丝 (22) 来安装 DP 电缆盖板 C (P)。

23. 使用在步骤 14 取下的 2 颗螺丝 (20) 来安装盖板 (21)。

24. 使用在步骤 13 取下的 1 颗螺丝 (18) 来安装 DP 中继板的盖板 (19)。

21. DP 케이블 커버 B(O) 를 설치합니다 .

22. DP 케이블 커버 C(P) 를 DP 케이블 커버 B(O) 에 부착하고 스텝 15 에서 제거한 나사 (22) 1 개로 케이블 커버 C(P) 를 부착합니다 .

23. 스텝 14 에서 분리한 나사 (20) 2 개를 사용하여 커버 (21) 를 설치합니다 .

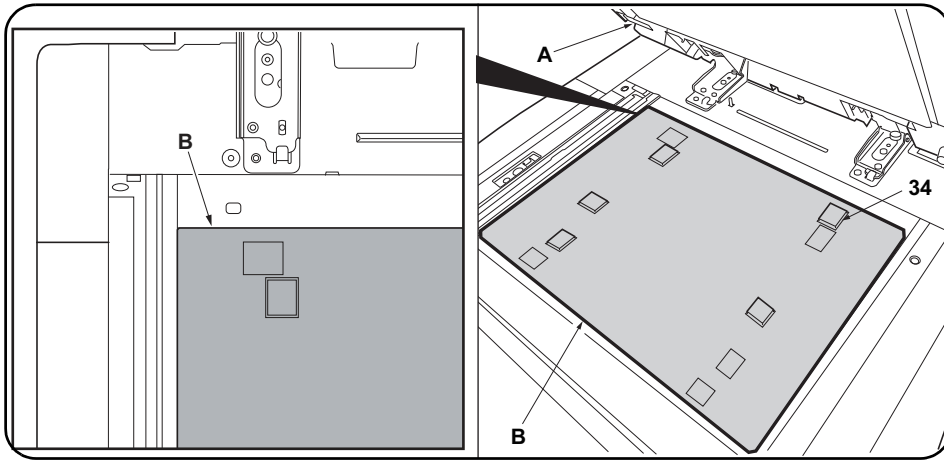
24. 스텝 13 에서 분리한 나사 (18) 1 개를 사용하여 DP 중계기판 커버 (19) 를 설치합니다 .

21. DP ケーブルカバーB(O) を取り付ける。

22. DP ケーブルカバーC(P) を DP ケーブルカバーB(O) に取り付け、手順 15 で外したビス (22) 1 本で固定する。

23. 手順 14 で外したビス (20) 2 本で、フタ (21) を取り付ける。

24. 手順 13 で外したビス (18) 1 本で、DP 中継基板カバー (19) を取り付ける。



Fasten the original mat.

25. Place original mat (B) with its Velcro (31) upward over the contact glass.

Align original mat (B) corner that has 90 degrees of angle with the inner left corner of the original instruction panel.

26. Close DP (A) and attach original mat (B) onto it with Velcro.

Fixer la plaque d'original.

25. Placer la plaque d'original (B) sur la vitre d'exposition, en orientant les bandes Velcro (31) vers le haut.

Alineer le coin du plateau d'original (B) faisant un angle de 90 degrés avec le coin gauche interne du panneau d'instructions d'original.

26. Abaisser le DP (A) et y fixer la plaque d'original (B) à l'aide des bandes Velcro.

Fije la alfombrilla para originales.

25. Coloque la alfombrilla para originales (B) con el velcro (31) hacia arriba sobre el cristal de contacto.

Alinee la esquina que tiene un ángulo de 90 grados de la alfombrilla para originales (B) con la esquina interior izquierda del panel de instrucciones para el original.

26. Cierre el DP (A) y fije la alfombrilla para originales (B) con el velcro.

Befestigen der Originalmatte.

25. Die Originalmatte (B) mit dem Klettband (31) nach oben über das Kontaktglas legen.

Die Ecke der Originalmatte (B), die einen 90-Grad-Winkel aufweist, mit der linken, inneren Kante des Originalbedienfeldes ausrichten.

26. Den DP (A) schließen und die Originalmatte (B) mit dem Klettband auf ihm befestigen.

Fissaggio del tappetino originale.

25. Posizionare il tappetino originale (B) con il velcro (31) rivolto verso l'alto sul vetro di appoggio.

Allineare l'angolo di 90 gradi del coprioriginale (B) con l'angolo interno sinistro del pannello di controllo originale.

26. Chiudere il DP (A) e applicarvi il tappetino originale (B) con il velcro.

粘貼原稿墊。

25. 將原稿墊 (B) 放置在稿台玻璃上，并使魔术貼 (31) 向上。

將原稿墊 (B) 的 90 度角對准原稿指示板的內部左角。

26. 關閉 DP (A)，使原稿墊 (B) 粘貼到 DP 上。

원고매트 부착

25. 벨크로 (31) 를 위로 향하게 하고 원고매트 (B) 를 원고대 유리판에 놓습니다 .

원고매트 (B) 는 90° 가 되어 있는 각을 원고 안내판의 좌측 안에 맞출 것 .

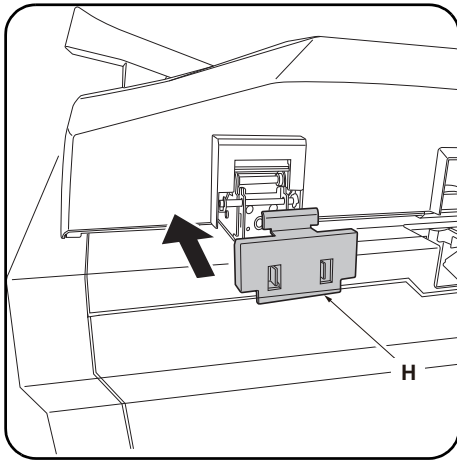
26. DP(A) 를 내리고 원고매트 (B) 를 DP(A) 에 부착합니다 .

原稿マットの貼り付け

25.マジックテープ (31) を上に向けて、原稿マット (B) をコンタクトガラス上に置く。

原稿マット (B) は 90° になっている角を原稿指示板の左奥に合わせること。

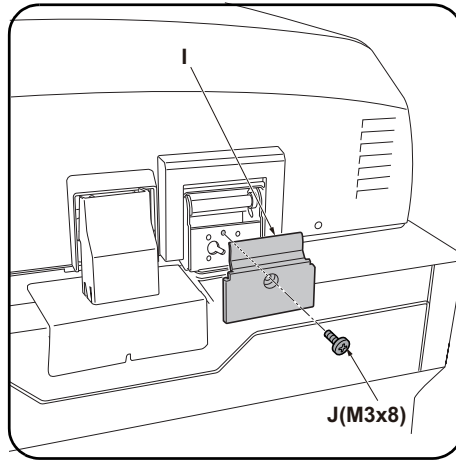
26. DP (A) を下ろし、原稿マット (B) を DP (A) に貼り付ける。



Installing the hinge cover (DP-772 only)

For the DP-770(B), proceed to step 29 on page 15.

27. Install the left hinge cover (H).



28. Install the right hinge cover (I) using the M3 x 8 screw BLACK (J).

Installation des couvercles de charnière (DP-772 uniquement)

Pour le DP-770(B), passer à l'étape 29 de la page 15.

27. Installer le couvercle de la charnière gauche (H).

28. Installer le couvercle de la charnière droite (I) à l'aide de la vis M3 x 8 NOIRE (J).

Instalación de la cubierta de las bisagras (DP-772 solamente)

Para el DP-770(B), vaya al paso 29 de la página 15.

27. Instale la cubierta de la bisagra izquierda (H).

28. Instale la cubierta de la bisagra derecha (I) usando el tornillo M3 x 8 NEGRO (J).

Installieren der Scharnierabdeckung (nur DP-772)

Beim DP-770(B) gehen Sie zum Schritt 29 auf Seite 15 weiter.

27. Die linke Scharnierabdeckung (H) anbringen.

28. Die rechte Scharnierabdeckung (I) mit der M3 x 8 Schraube SCHWARZ (J) anbringen.

Installazione del coperchio cerniera (solo DP-772)

Per DP-770(B), procedere con il punto 29 a pagina 15.

27. Installare il coperchio cerniera sinistra (H).

28. Installare il coperchio cerniera destra (I) utilizzando la vite M3 x 8 NERA (J).

安装铰链盖板 (仅限 DP-772)

DP-770(B) 跳至 P15 的步骤 29。

27. 安装左部铰链盖板 (H)。

28. 使用 1 颗 M3×8 螺丝 BLACK (J) 来安装右部铰链盖板 (I)。

힌지커버 부착 (DP-772 만)

DP-770(B) 은 P15 의 순서 29 으로 진행 .

27. 좌측 힌지커버 (H) 를 부착합니다 .

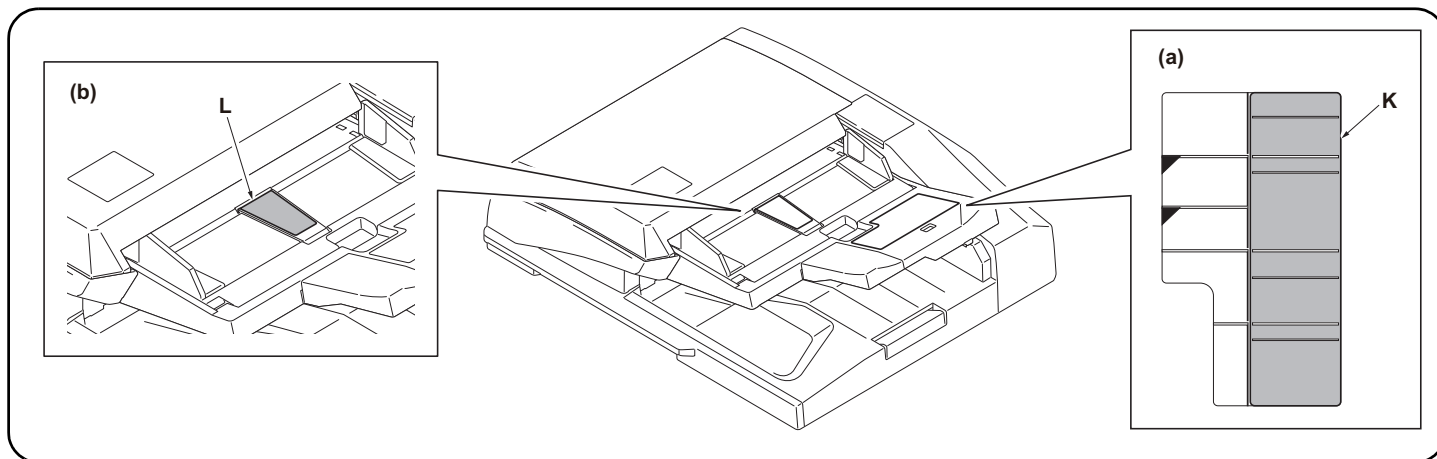
28. 나사 M3×8BLACK(J) 1 개로 우측 힌지커버 (I) 를 부착합니다 .

ヒンジカバーの取り付け (DP-772 のみ)

DP-770(B) は、P15 の手順 29 に進む。

27. 左ヒンジカバー (H) を取り付ける。

28. ビス M3×8BLACK (J) 1 本で右ヒンジカバー (I) を取り付ける。



Adhere the label

29. Clean the label on the original table with alcohol.

30. Adhere Label "Operation procedure" (K) of which the language corresponding to the destination of the MFP onto the existing label on the original table. Figure (a)

31. Adhere Caution label "Original face up!" (L) of which the language corresponding to the destination of the MFP onto the label on the original table. Figure (b)

Coller l'étiquette relative

29. Avec de l'alcool, nettoyer l'étiquette se trouvant sur le plateau d'original.

30. Coller l'étiquette "Processus opératoire" (K) dans la langue correspondant au destinataire du MFP sur l'étiquette existante sur le plateau d'original du DP. Figure (a)

31. Coller l'étiquette de mise en garde "Original en haut!" (L) dans la langue correspondant au destinataire du MFP sur l'étiquette du plateau d'original. Figure (b)

Pegue la etiqueta

29. Limpie con alcohol la etiqueta de la cubierta de originales.

30. Adhiera la etiqueta "Procedimiento operativo" (K) del idioma correspondiente al destino del MFP sobre la etiqueta que se encuentra sobre la cubierta de originales. Figura (a)

31. Pegue la etiqueta de precaución "¡La cara del original hacia arriba!" (L), del idioma que corresponde al destino del MFP, sobre la etiqueta en la cubierta de originales. Figura (b)

Anbringen des Schildes

29. Das Schild auf dem Originalbedienfeld mit Alkohol reinigen.

30. Das Schild „Funktionsanweisung“ (K) in der Sprache des jeweiligen Einsatzlandes des MFP auf das vorhandene Schild auf dem Originalbedienfeld aufkleben. Abbildung (a)

31. Das Warnschild „Originalschriftseite nach oben!“ (L) in der Sprache des jeweiligen Einsatzlandes des MFP auf das vorhandene Schild auf dem Originalbedienfeld aufkleben. Abbildung (b)

Applicazione dell'etichetta

29. Pulire con alcool l'etichetta sul piano originale.

30. Far aderire l'etichetta "Procedura di funzionamento" (K) corrispondente alla lingua di destinazione dell'MFP, sull'etichetta esistente sul piano originale. Figura (a)

31. Far aderire l'etichetta di avvertenza "Originale rivolto verso l'alto!" (L) corrispondente alla lingua di destinazione dell'MFP, sull'etichetta del piano originale. Figura (b)

粘貼标签

29. 不需要本步骤。

30. 不需要本步骤。

31. 不需要本步骤。

라벨 부착

29. 이 단계가 필요하지 않습니다 .

30. 이 단계가 필요하지 않습니다 .

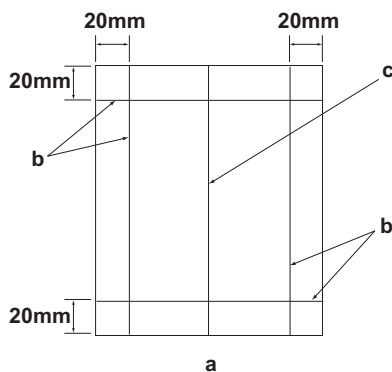
31. 이 단계가 필요하지 않습니다 .

ラベルの貼り付け

29. この作業は不要。

30. この作業は不要。

31. この作業は不要。



[Operation check]

1. To check the machine operation, prepare original (a) where 4 lines (b) are drawn 20 mm from the edges of the A3 sheet and 1 line (c) is drawn at its center.
2. Connect the power plug of the MFP into the wall outlet and turn the main power switch on.
3. Set the original (a) on the DP and perform a test copy to check the operation and the copy example.

[Vérification du fonctionnement]

1. Pour vérifier le bon fonctionnement de l'appareil, préparer un original (a) sur lequel sont tracées 4 lignes (b) à 20 mm des bords de la feuille A3 et 1 ligne (c) en son axe.
2. Brancher la fiche d'alimentation du MFP sur la prise murale et mettre l'appareil sous tension.
3. Placer l'original (a) sur le DP et effectuer une copie de test pour vérifier le fonctionnement et l'exemple de copie.

[Verifique el funcionamiento]

1. Para comprobar el funcionamiento del aparato, prepare un original (a) que contenga 4 líneas (b) dibujadas a 20 mm de los bordes de la hoja A3 y 1 línea (c) dibujada en el centro.
2. Conecte el enchufe eléctrico del MFP en el tomacorriente de la pared y encienda el interruptor principal.
3. Coloque el original (a) en el DP y haga una copia de prueba para verificar el funcionamiento y el ejemplo de copia.

[Funktionsprüfung]

1. Zum Prüfen der Gerätefunktion das Original (a) vorbereiten, auf das 4 Linien (b) 20 mm von den Kanten des A3-Blattes und 1 Linie (c) in der Mitte gezeichnet sind.
2. Den Netzstecker am MFP in die Steckdose stecken und den Strom einschalten.
3. Das Original (a) auf den DP legen und eine Testkopie erstellen, um die Funktion und das Kopierbeispiel zu prüfen.

[Verifica del funzionamento]

1. Per verificare il funzionamento della macchina, preparare l'originale (a) tirando 4 linee (b) a 20 mm dai bordi del foglio A3 e una linea (c) al centro.
2. Inserire la spina dell'alimentazione dell'MFP nella presa a muro, quindi posizionare l'interruttore principale su On.
3. Posizionare l'originale(a) sul DP ed eseguire una copia di prova per verificare il funzionamento e l'esempio di copia.

[動作確認]

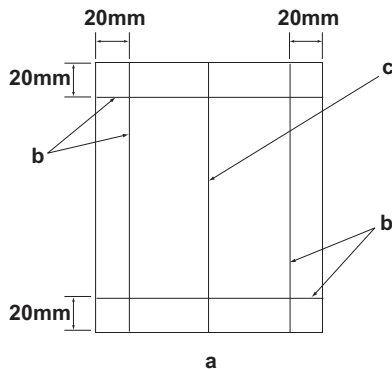
1. 若要检查机器动作, 准备一张 A3 原稿 (a), 距纸张边缘 20mm 画出 4 条线 (b) 并且在原稿中心画出 1 条线 (c)。
2. 将 MFP 的电源插头插入墙壁插座并打开主电源。
3. 在 DP 上设定原稿 (a) 并进行测试复印, 确认机器动作和复印样本。

[동작확인]

1. 기계 작동 확인을 위해서, A3 용지 선단에서 20mm 떨어진 곳에 4 개의 선 (b) 과 센터에 1 개의 선 (c) 이 그려진 원고 (a) 를 준비.
2. 콘센트에 MFP 전원플러그를 꽂고 메인 전원 스위치를 ON 으로 합니다.
3. DP 상에 원고 (a) 를 준비하고 테스트 카피를 확인하여 작동 상태와 카피 샘플을 확인합니다.

[動作確認]

1. A3 サイズ用紙の端から 20mm の位置に線 (b) 4 本と、用紙の中心に線 (c) 1 本を引いた、動作確認用の原稿 (a) を用意する。
2. MFP の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
3. 原稿 (a) を DP にセットし、テストコピーを行い、動作およびコピーサンプルを確認する。



4. Compare original (a) with the copy example. If the gap exceeds the reference value, perform the following adjustments according to the type of the gap.

Check images of the DP after checking and adjusting images of the MFP. For details, see the service manual.

NOTICE: If there is any image fogging, adjust the U068 DP scanning position. If you change the scanning position with U068, adjust the U071 DP leading edge timing.

4. Comparer l'original (a) avec l'exemple de copie. Si l'écart excède la valeur de référence, effectuer les réglages suivants en fonction du type d'écart.

Vérifier les images du DP après avoir contrôlé et réglé les images du MFP. Pour plus de détails, se reporter au manuel d'entretien.

REMARQUE: Si l'image est floue, régler la position de balayage de U068 du DP. Si la position de balayage de U068 est modifiée, régler la synchronisation du bord d'attaque de U071.

4. Compare el original (a) con el ejemplo de copia. Si la separación supera el valor de referencia, realice los siguientes ajustes según el tipo de separación.

Compruebe las imágenes del DP después de comprobar y ajustar las imágenes del MFP. Para más detalles, lea el manual de servicio.

AVISO: Si la imagen estuviera borrosa, ajuste la posición de escaneo U068 del DP. Si cambia la posición de escaneo con U068, ajuste la sincronización de borde superior U071 del DP

4. Das Original (a) mit dem Kopierbeispiel vergleichen. Wenn der Abstand größer als der Bezugswert ist, die folgenden Einstellungen gemäß dem Abstandstyp durchführen.

Die Bilder des DP nach dem Prüfen und Einstellen der Bilder des MFP prüfen. Weitere Einzelheiten siehe Wartungsanleitung.

ANMERKUNG: Falls das Bild verschwommen wirkt, ist die U068 DP Scan-Position zu verstellen. Wenn Sie die Scan-Position mit U068 verstellen, müssen Sie das U071 DP-Vorderkanten-Timing entsprechend verstellen.

4. Confrontare l'originale (a) con l'esempio di copia. Se lo scostamento supera il valore di riferimento, eseguire le seguenti regolazioni in funzione del tipo di scostamento.

Controllare le immagini del DP dopo avere effettuato i controlli e le regolazioni delle immagini sull'MFP. Per ulteriori dettagli leggere il manuale d'istruzioni.

AVVISO: Se è presente una qualsiasi sfocatura dell'immagine, regolare la posizione di scansione DP U068. Se si cambia la posizione di scansione con U068, regolare la sincronizzazione del bordo principale DP U071.

4. 对比复印样本和原稿(a), 如果偏移值在标准值以上时, 对偏移原稿进行调整。

对 MFP 的图像确认和调整后再对 DP 的图像进行确认。详细内容请参见维修手册。

(注意) 如果图像出现底灰, 用 U068 来调整 DP 的扫描位置。如果用 U068 更改了扫描位置, 则再用 U071 对 DP 的前端定时进行调整

4. 원고 (a) 와 카피 샘플을 비교하여 차이가 기준치를 벗어나는 경우, 차이 (틈) 의 형태에 따라 다음을 조정합니다 .

MFP 의 화상확인 및 조정을 하고나서 DP 의 화상확인을 할 것 . 상세는 서비스 매뉴얼을 참조할 것 .

(주의) 화상 카브리가 발생하는 경우 , U068DP 스캔위치 조정을 합니다 . U068 에서 스캔위치를 변경한 경우 U071DP 선단 타이밍 조정을 합니다 .

4. 原稿 (a) とコピーサンプルを比較し、基準値以上のずれがある場合、ずれ方に応じて調整を行う。

MFP の画像確認及び調整を行ってから DP の画像確認を行うこと。詳細はサービスマニュアルを参照のこと。

(注意)画像カブリが発生する場合、U068 DP 読み取り位置の調整を行う。U068 で読み取り位置を変更した場合、U071 DP 先端タイミング調整を行う。

Be sure to adjust in the following order. If not, the adjustment cannot be performed correctly.

For checking the angle of leading edge, see page 20. <Reference value> Simplex copying: within ± 3.0 mm; Duplex copying: within ± 4.0 mm

For checking the angle of trailing edge, see page 23. <Reference value> Simplex copying: within ± 3.0 mm; Duplex copying: within ± 4.0 mm

When using the original for adjustment, automatic adjustment of magnification, leading edge timing and center line can be performed at a time.

For the automatic adjustment using the original for adjustment, see page 26.

Veillez à effectuer le réglage en procédant dans l'ordre suivant. Sinon, il sera impossible d'obtenir un réglage correct.

Pour vérifier l'angle du bord avant, reportez-vous à la page 20. <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.; copie recto verso: $\pm 4,0$ mm max.

Pour vérifier l'angle du bord arrière, reportez-vous à la page 23. <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.; copie recto verso: $\pm 4,0$ mm max.

Lorsque vous utilisez l'original pour effectuer le réglage, vous pouvez effectuer automatiquement le réglage de l'agrandissement, de la synchronisation du bord avant et de la ligne médiane en une seule fois.

Pour le réglage automatique en utilisant l'original pour effectuer le réglage, reportez-vous à la page 26.

Asegúrese de ajustar en el siguiente orden. De lo contrario, el ajuste no puede hacerse correctamente.

Para verificar el ángulo del borde superior, vea la página 20. <Valor de referencia> Copia simple: dentro de $\pm 3,0$ mm; Copia duplex: dentro de $\pm 4,0$ mm

Para verificar el ángulo del borde inferior, vea la página 23. <Valor de referencia> Copia simple: dentro de $\pm 3,0$ mm; Copia duplex: dentro de $\pm 4,0$ mm

Quando utilizza el original para el ajuste, puede hacerse un ajuste automático del cambio de tamaño, sincronización del borde superior y línea central al mismo tiempo.

Para el ajuste automático utilizando el original para el ajuste, vea la página 26.

Die Einstellung in der folgenden Reihenfolge durchführen. Anderenfalls kann die Einstellung nicht korrekt durchgeführt werden.

Angaben zur Prüfung des Winkels der Vorderkante auf Seite 20. <Bezugswert> Simplexkopie: innerhalb $\pm 3,0$ mm; Duplexkopie: innerhalb $\pm 4,0$ mm

Angaben zur Prüfung des Winkels der Hinterkante auf Seite 23. <Bezugswert> Simplexkopie: innerhalb $\pm 3,0$ mm; Duplexkopie: innerhalb $\pm 4,0$ mm

Bei Verwendung des Originals für die Einstellung können die automatischen Einstellungen für Vergrößerung, Vorderkanten-Timing und Mittellinie gleichzeitig durchgeführt werden.

Angaben zur automatischen Einstellung mithilfe des Originals auf Seite 26.

Accertarsi di eseguire le regolazioni in questa sequenza: in caso contrario, la regolazione non può essere effettuata correttamente.

Per controllare l'angolo del bordo principale, vedere pagina 20. <Valore di riferimento> Copia simplex: entro $\pm 3,0$ mm; Copia duplex: entro $\pm 4,0$ mm

Per controllare l'angolo del bordo di uscita, vedere pagina 23. <Valore di riferimento> Copia simplex: entro $\pm 3,0$ mm; Copia duplex: entro $\pm 4,0$ mm

Quando si utilizza l'originale per la regolazione, la regolazione automatica dell'ingrandimento, della sincronizzazione del bordo principale e della linea centrale possono essere eseguiti contemporaneamente.

Per la regolazione automatica eseguita con l'originale, vedere pagina 26.

必须按照以下步骤进行调整, 否则不能达到准确调整的要求。

• 确认前端倾斜度 第 20 页 <标准值> 单面: ± 3.0 mm 以内, 双面: ± 4.0 mm 以内

• 确认后端倾斜度 第 23 页 <标准值> 单面: ± 3.0 mm 以内, 双面: ± 4.0 mm 以内

使用调整用的原稿时, 可以同时自动进行等倍值, 前端定时以及中心线的调整。

• 通过调整用原稿进行自动调整 第 26 页

반드시 하기의 순서로 조정을 할 것. 순서대로 조정을 하지 않는 경우 바른 조정을 할 수 없습니다.

• 선단경사확인 20 페이지 <기준치> 단면: ± 3.0 mm 이내, 양면: ± 4.0 mm 이내

• 후단경사확인 23 페이지 <기준치> 단면: ± 3.0 mm 이내, 양면: ± 4.0 mm 이내

조정용 원고를 사용하는 경우, 등배도, 선단타이밍, 센터 라인의 자동조정이 한번에 수행됩니다.

• 조정용 원고를 사용한 자동조정은 26 페이지 참조

必ず下記の順序で調整を行うこと。順序通りに調整を行わない場合、正しい調整ができない。

• 先端斜め確認 20 ページ <基準値> 片面: ± 3.0 mm 以内、両面: ± 4.0 mm 以内

• 後端斜め確認 23 ページ <基準値> 片面: ± 3.0 mm 以内、両面: ± 4.0 mm 以内

調整用原稿を使用すると、等倍度調整、先端タイミング調整、センターライン調整の自動調整が一度におこなえる。

• 調整用原稿による自動調整 26 ページ

For checking the magnification, see page 29. <Reference value> Within $\pm 1.5\%$
For checking the leading edge timing, see page 31. <Reference value> Within ± 2.5 mm
For checking the center line, see page 33. <Reference value> Simplex copying: within ± 2.0 mm;
Duplex copying: within ± 3.0 mm

Pour vérifier l'agrandissement, reportez-vous à la page 29. <Valeur de référence> $\pm 1,5\%$ max.
Pour vérifier la synchronisation du bord avant, reportez-vous à la page 31. <Valeur de référence> $\pm 2,5$ mm max.
Pour vérifier la ligne médiane, reportez-vous à la page 33. <Valeur de référence> Copie recto seul: $\pm 2,0$ mm max.;
Copie recto verso: $\pm 3,0$ mm max.

Para verificar el cambio de tamaño, vea la página 29. <Valor de referencia> Dentro de $\pm 1,5\%$
Para verificar la sincronización del borde inferior, vea la página 31. <Valor de referencia> Dentro de $\pm 2,5$ mm
Para verificar la línea central, vea la página 33. <Valor de referencia> Copia simple: dentro de $\pm 2,0$ mm;
Copia duplex: dentro de $\pm 3,0$ mm

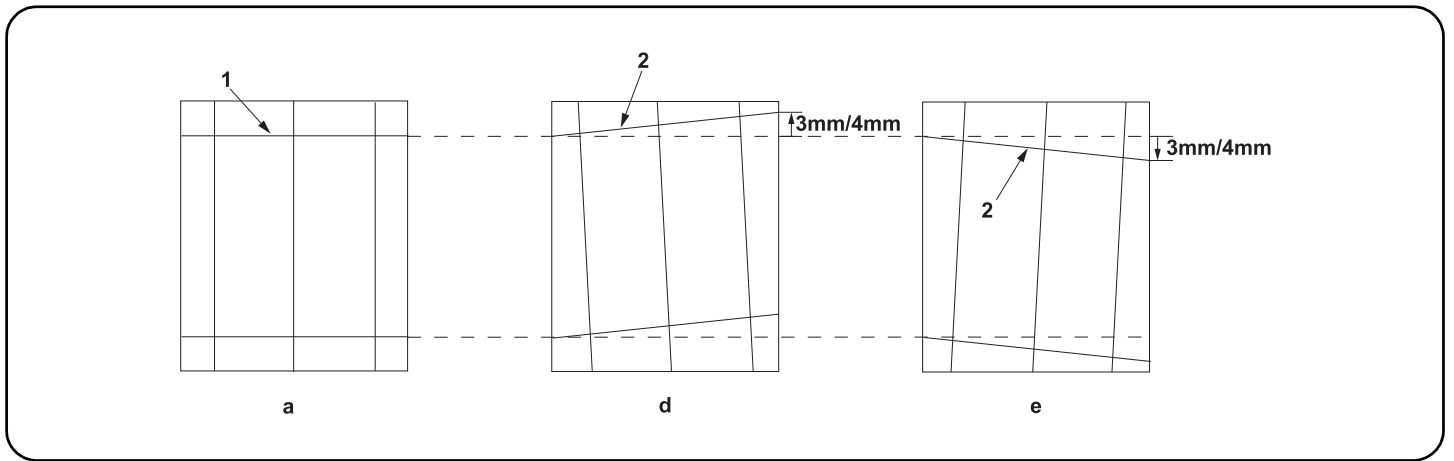
Angaben zur Prüfung der Vergrößerung auf Seite 29. <Bezugswert> Innerhalb $\pm 1,5\%$
Angaben zur Prüfung des Vorderkanten-Timings auf Seite 31. <Bezugswert> Innerhalb $\pm 2,5$ mm
Angaben zur Prüfung der Mittellinie auf Seite 33. <Bezugswert> Simplexkopie: innerhalb $\pm 2,0$ mm;
Duplexkopie: innerhalb $\pm 3,0$ mm

Per controllare l'ingrandimento, vedere pagina 29. <Valore di riferimento> Entro $\pm 1,5\%$
Per controllare la sincronizzazione del bordo principale, vedere pagina 31. <Valore di riferimento> Entro $\pm 2,5$ mm
Per controllare la linea centrale, vedere pagina 33. <Valore di riferimento> Copia simplex: entro $\pm 2,0$ mm;
Copia duplex: entro $\pm 3,0$ mm

• 确认等倍值 第 29 页 <标准值> $\pm 1.5\%$ 以内
• 确认前端定时调整 第 31 页 <标准值> ± 2.5 mm 以内
• 确认中心线 第 33 页 <标准值> 单面: ± 2.0 mm 以内,
双面: ± 3.0 mm 以内

• 등배도 확인 29 페이지 <기준치> $\pm 1.5\%$ 이내
• 선단 타이밍 확인 31 페이지 <기준치> ± 2.5 mm 이내
• 센터 라인 확인 33 페이지 <기준치> 단면: ± 2.0 mm 이내,
양면: ± 3.0 mm 이내

• 等倍度確認 29 ページ <基準値> $\pm 1.5\%$ 以内
• 先端タイミング確認 31 ページ <基準値> ± 2.5 mm 以内
• センターライン確認 33 ページ <基準値> 片面: ± 2.0 mm 以内,
両面: ± 3.0 mm 以内



[Checking the angle of leading edge]

1. Check the horizontal gap between line (1) of original (a) and line (2) of copy example positions. If the gap exceeds the reference value, adjust the gap according to the following procedure.

- <Reference value> For single copying: The horizontal gap of line (2) should be within ± 3.0 mm.
For duplex copying: The horizontal gap of line (2) should be within ± 4.0 mm.

[Vérification de l'angle du bord avant]

1. Vérifier l'écart horizontal entre la position de la ligne (1) de l'original (a) et celle de la ligne (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.

- <Valeur de référence> Pour la copie recto : l'écart horizontal de la ligne (2) doit être de $\pm 3,0$ mm.
Pour la copie recto-verso : l'écart horizontal de la ligne (2) doit être de $\pm 4,0$ mm.

[Verificación del ángulo del borde superior]

1. Compruebe la separación horizontal entre la línea (1) del original (a) y la línea (2) de las posiciones del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.

- <Valor de referencia> Para el copiado por una cara: la separación horizontal de la línea (2) debe estar dentro de $\pm 3,0$ mm.
Para el copiado dúplex: la separación horizontal de la línea (2) debe estar dentro de $\pm 4,0$ mm.

[Überprüfen des Winkels der Vorderkante]

1. Den horizontalen Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) der Kopierbeispielspositionen prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.

- <Bezugswert> Einzelkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 3,0$ mm liegen.
Duplexkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 4,0$ mm liegen.

[Controllo dell'angolo del bordo principale]

1. Verificare lo scostamento orizzontale fra la linea (1) dell'originale (a) e la linea (2) delle posizioni dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.

- <Valore di riferimento> Per la copia singola: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 3,0$ mm.
Per la copia duplex: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 4,0$ mm.

[确认前端倾斜度]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 的左右偏移值。如果偏移值超过标准值，则按照下列步骤进行调整

- <标准值> 单面复印时，线 (2) 的左右偏移值： ± 3.0 mm 以内。
双面复印时，线 (2) 的左右偏移值： ± 4.0 mm 以内。

[선단 경사확인]

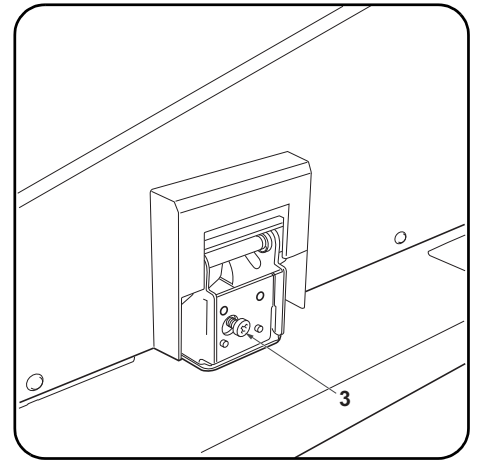
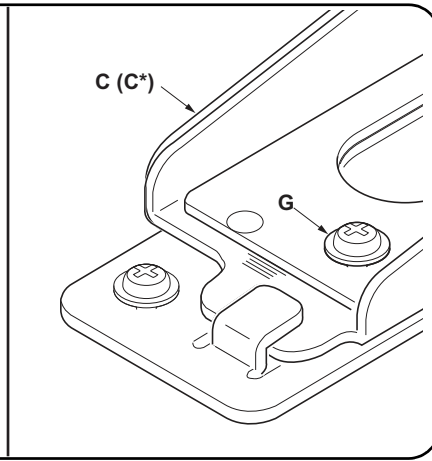
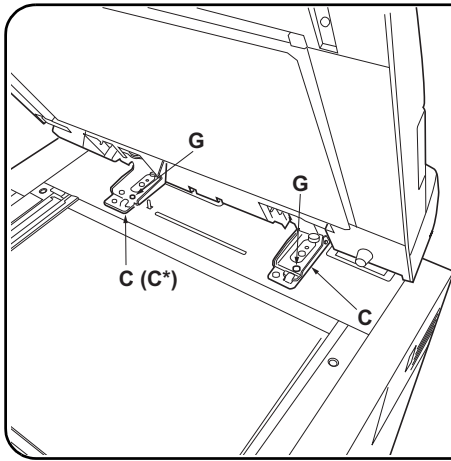
1. 원고 (a) 의 선 (1) 과 샘플 카피의 선 (2) 의 좌우 차이를 확인합니다. 차이가 기준치 외의 경우 다음의 순서대로 조정을 합니다.

- <기준치> 단면의 경우 선 (2) 의 좌우차이： ± 3.0 mm 이내
양면의 경우 선 (2) 의 좌우차이： ± 4.0 mm 이내

[先端斜め確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) の左右のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。

- <基準値> 片面の場合、線 (2) の左右ずれ： ± 3.0 mm 以内
両面の場合、線 (2) の左右ずれ： ± 4.0 mm 以内



2. DP-770(B): Remove the angle control fitting (D). Loosen the 2 M4 x 14TP screws (G) on the left and right fixing fittings (C).
DP-772: Remove the left hinge cover (H) and the angle control fitting (D). Loosen the 2 M4 x 14TP screws (G) on the left and right fixing fittings (C)(C*)
3. Turn adjusting screw (3) at the rear side of the right hinge to adjust the DP position.
For copy example (d): Turn the adjusting screw counterclockwise and move the DP to the inner side.
For copy example (e): Turn the adjusting screw clockwise and move the DP to the front side.
Amount of change per scale: Approx. 1.0 mm
4. Perform a test copy.

2. DP-770(B): Déposer la fixation d'angle (assurant le contrôle de l'ouverture) (D). Desserrer les 2 vis TP M4 x 14 (G) sur les fixations gauche et droite (C).
DP-772: Déposer le couvercle de la charnière gauche (H) et la fixation d'angle (assurant le contrôle de l'ouverture) (D). Desserrer les 2 vis TP M4 x 14 (G) sur les fixations gauche et droite (C)(C*).
3. Tourner la vis de réglage (3) à l'arrière de la charnière droite pour régler la position du DP.
Pour l'exemple de copie (d) : tourner la vis de réglage dans le sens inverse des aiguilles d'une montre et déplacer le DP vers l'intérieur.
Pour l'exemple de copie (e) : tourner la vis de réglage dans le sens des aiguilles d'une montre et déplacer le DP vers l'avant.
Changement par graduation d'échelle : environ 1,0 mm
4. Effectuer une copie de test.

2. DP-770(B): quite el herraje de control de ángulo (D). Afloje los 2 tornillos TP M4 x 14 (G) de los herrajes de fijación izquierdo y derecho (C).
DP-772: quite la cubierta de la bisagra izquierda (H) y el herraje de control de ángulo (D). Afloje los 2 tornillos TP M4 x 14 (G) de los herrajes de fijación izquierdo y derecho (C)(C*).
3. Gire el tornillo de ajuste (3) en el lado trasero de la bisagra derecha para ajustar la posición del DP.
Para el ejemplo de copia (d): gire el tornillo de ajuste en sentido antihorario y mueva el DP al lado interno.
Para el ejemplo de copia (e): gire el tornillo de ajuste en sentido horario y mueva el DP al lado frontal.
Magnitud del cambio por escala: aprox. 1,0 mm
4. Haga una copia de prueba.

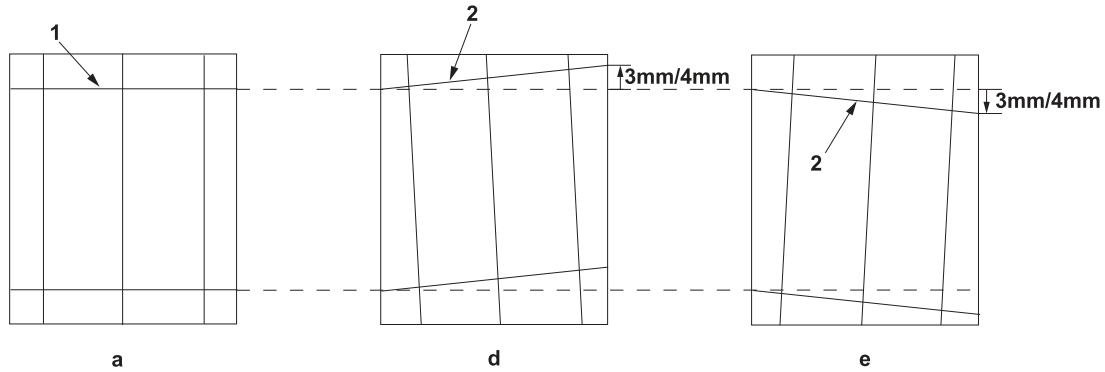
2. DP-770(B): Die Winkeleinstellbefestigung (D) entfernen. Die 2 M4 x 14TP Schrauben (G) an den linken und rechten Befestigungshalterung (C) lösen.
DP-772: Die linke Scharnierabdeckung (H) und die Winkeleinstellbefestigung (D) entfernen. Die 2 M4 x 14TP Schrauben (G) an den linken und rechten Befestigungshalterungen (C)(C*) lösen.
3. Die Einstellschraube (3) an der Rückseite des rechten Scharniers einstellen, um die DP-Position einzustellen.
Kopierbeispiel (d): Die Einstellschraube nach links drehen und den DP nach innen schieben.
Kopierbeispiel (e): Die Einstellschraube nach rechts drehen und den DP nach vorne schieben.
Änderung pro Maßstab: Ungefähr 1,0 mm
4. Eine Testkopie erstellen.

2. DP-770(B): Rimuovere l'accessorio di regolazione angolare (D). Allentare le 2 viti M4 x 14TP (G) sugli accessori di fissaggio (C) destro e sinistro.
DP-772: Rimuovere il coperchio cerniera sinistra (H) e l'accessorio di regolazione angolare (D). Allentare le 2 viti M4 x 14TP (G) sui lati destro e sinistro degli accessori di fissaggio (C)(C*) destro e sinistro.
3. Ruotare la vite di regolazione (3) sul lato posteriore della cerniera destra per regolare la posizione del DP.
Per l'esempio di copia (d): ruotare la vite di regolazione in senso antiorario e spostare il DP verso l'interno.
Per l'esempio di copia (e): ruotare la vite di regolazione in senso orario e spostare il DP in avanti.
Entità modifica per scala: circa 1,0 mm
4. Eseguire una copia di prova.

2. DP-770(B) 時: 拆下角度限制工具 (D)。拧松左右固定工具 (C) の 2 顆 M4x14TP (G) 螺絲。
DP-772 時: 拆下左部較鏈蓋板 (H) 以及角度限制工具 (D)。拧松左右固定工具 (C) (C*) の 2 顆 M4x14TP (G) 螺絲。
3. 旋轉右部較鏈的後部的調整螺絲 (3) 以調整 DP 位置。
對於復印樣本 (d): 逆時針旋轉調整螺絲並將 DP 移動到內側。對於復印樣本 (e): 順時針旋轉調整螺絲並將 DP 移動到正面。
按比例尺的更改量: 約 1.0mm
4. 進行測試復印。

2. DP-770(B) 의 경우: 각도 고정쇠 (D) 를 제거합니다. 좌우의 고정쇠 (C) 나사 M4x14TP (G) 2 개를 느슨하게 합니다.
DP-772 의 경우: 좌 힌지커버 (H) 및 각도 고정쇠 (D) 를 제거합니다. 좌우의 고정쇠 (C)(C*) 의 나사 M4x14TP (G) 2 개를 느슨하게 합니다.
3. 우 힌지 뒷측 조정나사 (3) 를 돌려 DP 의 위치를 조정합니다.
샘플 카피 (d) 의 경우: 조정나사를 좌로 돌려 DP 를 안으로 넣습니다. 샘플 카피 (e) 의 경우: 조정나사를 오른쪽으로 돌려 DP 를 앞으로 뺍니다.
1 개 변화량: 약 1.0mm
4. 테스트 카피를 합니다.

2. DP-770(B) の場合: 角度規制金具 (D) を取り外す。左右の固定金具 (C) のビス M4x14TP (G) 2 本を緩める
DP-772 の場合: 左ヒンジカバー (H) および角度規制金具 (D) を取り外す。左右の固定金具 (C) (C*) のビス M4x14TP (G) 2 本を緩める。
3. 右ヒンジ後側の調整ビス (3) を回し、DP の位置を調整する。
コピーサンプル (d) の場合: 調整ビスを左に回し、DP を奥へ動かす。
コピーサンプル (e) の場合: 調整ビスを右に回し、DP を手前へ動かす。
1 目盛り当たりの変化量: 約 1.0mm
4. テストコピーを行う。



5. Repeat the steps above until the gap of line (2) of copy example shows the following reference values.

<Reference value> For single copying: The horizontal gap of line (2) should be within ± 3.0 mm.

For duplex copying: The horizontal gap of line (2) should be within ± 4.0 mm.

6. After adjustment is completed, retighten two M4 \times 14TP screws (G) that have been loosened in step 2.

7. Remove the original mat (B) and refit it (see steps 25 and 26 on page 13).

5. Répéter les étapes ci-dessus jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique les valeurs de référence suivantes.

<Valeur de référence> Pour la copie recto : l'écart horizontal de la ligne (2) doit être de $\pm 3,0$ mm.

Pour la copie recto-verso : l'écart horizontal de la ligne (2) doit être de $\pm 4,0$ mm.

6. Une fois le réglage effectué, resserrer les deux vis TP M4 \times 14 (G) desserrées à l'étape 2.

7. Retirez le tapis d'original (B) et remettez-le en place. (Reportez-vous aux étapes 25 et 26 à la page 13.)

5. Repita los pasos anteriores hasta que la separación de la línea (2) del ejemplo de copia presente los siguientes valores de referencia.

<Valor de referencia> Para el copiado por una cara: la separación horizontal de la línea (2) debe estar dentro de $\pm 3,0$ mm.

Para el copiado dúplex: la separación horizontal de la línea (2) debe estar dentro de $\pm 4,0$ mm.

6. Una vez hecho el ajuste, vuelva a apretar los dos tornillos TP M4 \times 14 (G) que ha aflojado en el paso 2.

7. Desmonte la plancha de original (B) y vuelva a colocar (vea los pasos 25 y 26 en la página 13).

5. Die obigen Schritte wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels die folgenden Bezugswerte aufweist.

<Bezugswert> Einzelkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 3,0$ mm liegen.

Duplexkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 4,0$ mm liegen.

6. Nach der Einstellung die zwei M4 \times 14TP Schrauben (G), die in Schritt 2 gelöst wurden, wieder festziehen.

7. Die Originalmatte (B) abnehmen und wieder anbringen (siehe Schritte 25 und 26 auf Seite 13).

5. Ripetere le operazioni sopra descritte fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento seguenti.

<Valore di riferimento> Per la copia singola: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 3,0$ mm.

Per la copia duplex: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 4,0$ mm.

6. Una volta conclusa la regolazione, serrare nuovamente le viti M4 \times 14TP (G) che erano state allentate al Punto 2.

7. Rimuovere il coprioriginale (B) e reinserirlo (vedere i passi 25 e 26 a pagina 13).

5. 重复上述步骤直至复印样本上的线(2)的偏移值达到标准值范围内。

<标准值> 单面时, 线(2)的左右偏移值: ± 3.0 mm 以内

双面时, 线(2)的左右偏移值: ± 4.0 mm 以内

6. 调整完成后, 重新拧紧在步骤2中松开的一颗M4 \times 14TP螺丝(G)。

7. 拆下原稿垫(B), 参照第13页的步骤25和26再次装上。

5. 샘플 카피 선 (2) 차이가 기준치내가 될 때까지 조정을 반복합니다 .

<기준치> 단면의 경우 선 (2) 의 좌우차이: ± 3.0 mm 이내

양면의 경우 선 (2) 의 좌우차이: ± 4.0 mm 이내

6. 조정종료 후 순서 2 에서 느슨하게 한 나사 M4 \times 14TP(G) 2 개를 조입니다 .

7. 원고매트 (B) 를 제거하고 13 페이지 순서 25, 26 을 참고로 다시 부착합니다 .

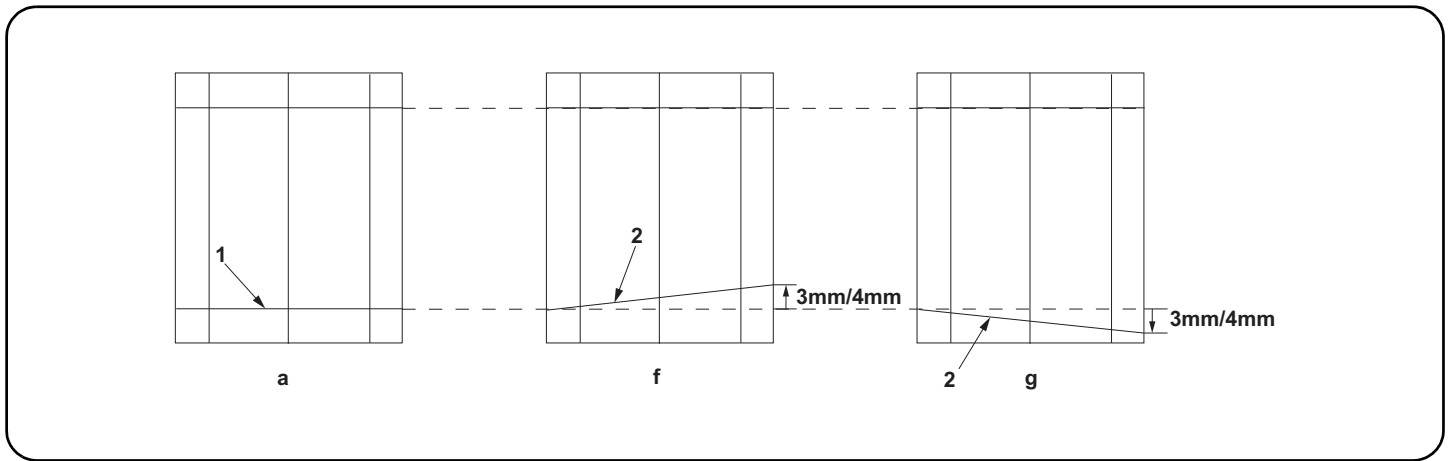
5. コピーサンプルの線 (2) のずれが基準値内になるまで、調整を繰り返す。

<基準値> 片面の場合、線 (2) の左右ずれ: ± 3.0 mm 以内

両面の場合、線 (2) の左右ずれ: ± 4.0 mm 以内

6. 調整終了後、手順2で緩めたビスM4 \times 14TP(G)2本を締め付ける。

7. 原稿マット (B) を取り外し、13ページの手順25、26を参考に再度取り付ける。



[Checking the angle of trailing edge]

1. Check the gap between line (1) of original (a) and line (2) of copy example. If the gap exceeds the reference value, perform the following adjustment.
 <Reference value> For simplex copying: Within ± 3.0 mm
 For duplex copying: Within ± 4.0 mm

[Vérification de l'angle du bord arrière]

1. Vérifiez l'écart entre la ligne (1) de l'original (a) et la ligne (2) de l'exemple de copie. Si l'écart est supérieur à la valeur de référence, effectuez le réglage suivant.
 <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.
 Copie recto verso: $\pm 4,0$ mm max.

[Verificación del ángulo del borde inferior]

1. Verifique la separación entre la línea (1) del original (a) y la línea (2) de la copia de muestra. Si la superación supera el valor de referencia, haga el siguiente ajuste.
 <Valor de referencia> Para copia simple: Dentro de $\pm 3,0$ mm
 Para copia duplex: Dentro de $\pm 4,0$ mm

[Überprüfen des Winkels der Hinterkante]

1. Die Abweichung der Linie (1) des Originals (a) und der Linie (2) des Kopienmusters prüfen. Überschreitet die Abweichung den Bezugswert, ist die folgende Einstellung durchzuführen.
 <Bezugswert> Für Simplexkopie: Innerhalb $\pm 3,0$ mm
 Für Duplexkopie: Innerhalb $\pm 4,0$ mm

[Controllo dell'angolo del bordo di uscita]

1. Controllare la differenza tra la linea (1) dell'originale (a) e la linea (2) della copia di esempio. Se la differenza supera il valore di riferimento, effettuare la seguente regolazione.
 <Valore di riferimento> Per copia simplex: Entro $\pm 3,0$ mm
 Per copia duplex: Entro $\pm 4,0$ mm

[确认后端倾斜度]

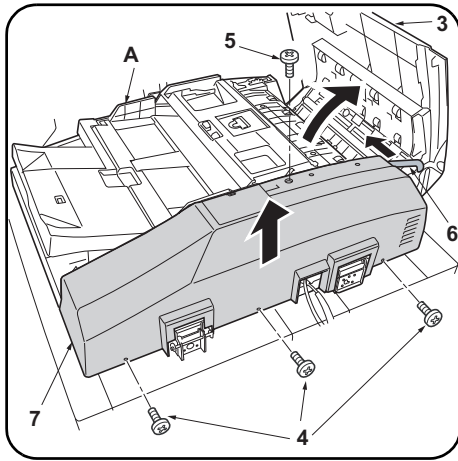
1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 的偏移值。如果超过标准值时, 必须进行调整。
 <标准值> 单面时: ± 3.0 mm 以内
 双面时: ± 4.0 mm 以内

[후단 경사확인]

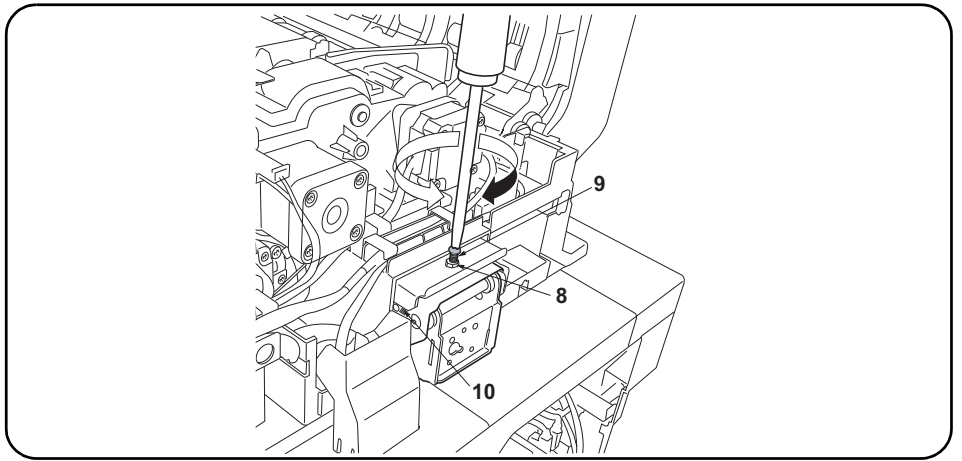
1. 원고 (a) 의 선 (1) 과 샘플 카피 선 (2) 의 차이를 확인합니다. 차이가 기준치 외의 경우에는 조정을 합니다.
 <기준치> 단면의 경우: ± 3.0 mm 이내
 양면의 경우: ± 4.0 mm 이내

[後端斜め確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) のずれを確認する。ずれが基準値外の場合は調整をおこなう。
 <基準値> 片面の場合: ± 3.0 mm 以内
 両面の場合: ± 4.0 mm 以内



2. Open the upper cover (3) of the DP (A).
3. Remove the 3 TP screws (4) and the screw (5), and remove the strap (6) from the rear cover (7). Then remove the DP (A) rear cover (7).



4. Adjust the height of DP.
Loosen the nut (8).
For copy example (f): Loosen the adjusting screw (9).
For copy example (g): Tighten the adjusting screw (9).

- Amount of change per scale: Approx. 0.5 mm (10)
Retighten the nut (8).
5. Refit the rear cover (7) removed in step 3.
 6. Remove the original mat (B) and refit it (see steps 25 and 26 on page 13).

2. Ouvrir le couvercle supérieur (3) du DP (A)
3. Déposer les 3 vis TP (4) et la vis (5) puis déposer la courroie (6) du couvercle arrière (7). Déposer ensuite le couvercle arrière (7) du DP (A).

4. Réglez la hauteur du DP.
Desserrez l'écrou (8).
Pour l'exemple de copie (f): Desserrez la vis de réglage (9).
Pour l'exemple de copie (g): Serrez la vis de réglage (9).

- Quantité de changement par pas: Environ 0,5 mm (10)
Resserrez l'écrou (8).
5. Reposer le couvercle arrière (7) déposé à l'étape 3.
 6. Retirez le tapis d'original (B) et remettez-le en place. (Reportez-vous aux étapes 25 et 26 à la page 13.)

2. Abra la cubierta superior (3) del DP (A).
3. Quite los 3 tornillos TP (4) y el tornillo (5) y quite la correa (6) de la cubierta trasera (7). Después, quite la cubierta trasera (7) del DP (A).

4. Ajuste la altura del DP.
Afloje la tuerca (8).
Para la copia de muestra (f): Afloje el tornillo de ajuste (9).
Para la copia de muestra (g): Apriete el tornillo de ajuste (9).

- Cantidad de cambio de escala: Aprox. 0,5 mm (10)
Vuelva a apretar la tuerca (8).
5. Vuelva a colocar la cubierta (7) desmontada en el paso 3.
 6. Desmonte la plancha de original (B) y vuelva a colocar (vea los pasos 25 y 26 en la página 13).

2. Die obere Abdeckung (3) des DP (A) öffnen.
3. Die 3 TP-Schrauben (4) und die Schraube (5) entfernen und den Riemen (6) von der hinteren Abdeckung (7) abnehmen. Dann die hintere Abdeckung (7) des DP (A) abnehmen.

4. Die Höhe des DP einstellen.
Lösen Sie die Mutter (8).
Für Kopienmuster (f): Lösen Sie die Einstellschraube (9).
Für Kopienmuster (g): Die Einstellschraube (9) festziehen.

- Änderungsbetrag pro Skalenstrich: Ca. 0,5 mm (10)
Ziehen Sie die Mutter (8) wieder fest.
5. Die in Schritt 3 entfernte hintere Abdeckung (7) wieder anbringen.
 6. Die Originalmatte (B) abnehmen und wieder anbringen (siehe Schritte 25 und 26 auf Seite 13).

2. Aprire il pannello superiore (3) del DP (A).
3. Rimuovere le 3 viti TP (4) e la vite (5), e quindi rimuovere la cinghietta (6) dal coperchio posteriore (7). Quindi rimuovere il coperchio posteriore (7) del DP (A).

4. Regolazione dell'altezza del DP
Allentare il dado (8).
Per un esempio di copia (f): Allentare la vite di regolazione (9).
Per un esempio di copia (g): Stringere la vite di regolazione (9).

- Variatione graduale: Circa 0,5 mm (10)
Stringere di nuovo il dado (8).
5. Reinserire il coperchio posteriore (7) rimosso nel passo 3.
 6. Rimuovere il coprioriginale (B) e reinserirlo (vedere i passi 25 e 26 a pagina 13).

2. 打开 DP (A) 的上盖板 (3)。
3. 拆除 3 颗 TP 螺丝 (4) 和 1 颗螺丝 (5)，将塑料片 (6) 从后盖板 (7) 上拆除，拆下 DP 主机 (A) 的后盖板 (7)。

4. 调整 DP 的高度。
松弛螺母 (8)。
复印样张 (f) 时：松弛调整螺丝 (9)。
复印样张 (g) 时：紧固调整螺丝 (9)。

- 每 1 格的移动量：约 0.5mm (10)
将螺母 (8) 按原样紧固好。
5. 重新安装在步骤 3 中拆下的后盖板 (7)。
 6. 拆下原稿垫 (B)，参照第 13 页的步骤 25 和 26 再次装上。

2. DP(A) 의 DP 윗 커버 (3) 를 엽니다 .
3. TP 나사 (4) 3 개와 나사 (5) 1 개를 제거하고 스트랩 (6) 을 뒷면 커버 (7) 에서 제거해 DP(A) 의 후면 커버 (7) 를 제거합니다 .

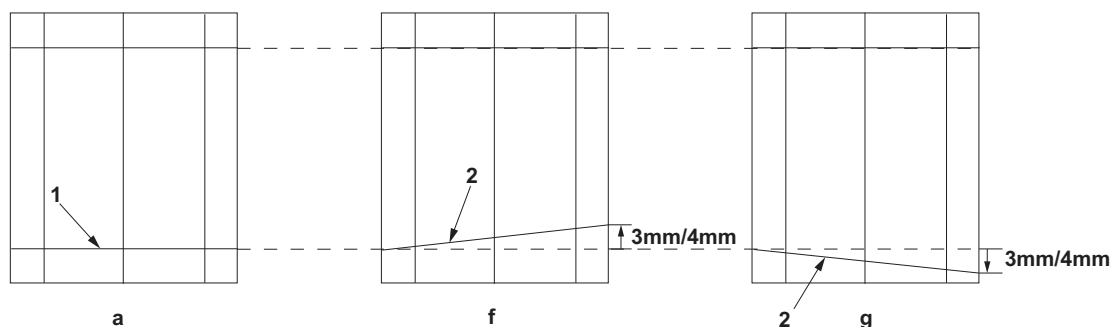
4. DP 의 높이를 조정합니다 .
너트 (8) 를 느슨하게 합니다 .
샘플 카피 (f) 의 경우 : 조정나사 (9) 를 느슨하게 합니다 .
샘플 카피 (g) 의 경우 : 조정나사 (9) 를 조입니다 .

- 1 개 변화량 : 약 0.5mm(10)
너트 (8) 를 원래대로 조입니다 .
5. 순서 3 에서 제거한 뒷 커버 (7) 를 원래대로 장착합니다 .
 6. 원고 매트 (B) 를 제거하고 13 페이지 순서 25, 26 을 참고로 다시 부착합니다 .

2. DP (A) の DP 上カバー (3) を開く。
3. TP ビス (4) 3 本とビス (5) 1 本を外し、ストラップ (6) を後カバー (7) から外して、DP (A) の後カバー (7) を取り外す。

4. DP の高さを調整する。
ナット (8) をゆるめる。
コピーサンプル (f) の場合 : 調整ビス (9) をゆるめる。
コピーサンプル (g) の場合 : 調整ビス (9) を締める。

- 1 目盛り当たりの変化量 : 約 0.5mm (10)
ナット (8) を元通り締める。
5. 手順 3 で取り外した後カバー (7) を元通り取り付ける。
 6. 原稿マット (B) を取り外し、13 ページの手順 25, 26 を参考に再度取り付ける。



7. Make a proof copy again.
 8. Repeat steps 1 to 6 until line (2) of copy example shows the following the reference values.
 <Reference value> For simplex copying: Within ± 3.0 mm
 For duplex copying: Within ± 4.0 mm

7. Effectuez à nouveau une copie de test.
 8. Répétez les étapes 1 à 6 jusqu'à ce que la ligne (2) de l'exemple de copie corresponde aux valeurs de référence suivantes.
 <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.
 Copie recto verso: $\pm 4,0$ mm max.

7. Haga otra copia de prueba.
 8. Repita los pasos 1 a 6 hasta que la línea (2) de la copia de muestra tenga los siguientes valores de referencia.
 <Valor de referencia> Para copia simple: Dentro de $\pm 3,0$ mm
 Para copia duplex: Dentro de $\pm 4,0$ mm

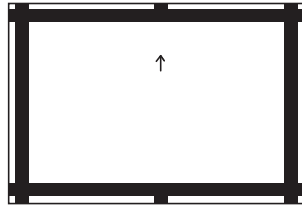
7. Eine erneute Probekopie anfertigen.
 8. Die Schritte 1 bis 6 wiederholen, bis die Linie (2) des Kopienmusters die folgenden Bezugswerte aufweist.
 <Bezugswert> Für Simplexkopie: Innerhalb $\pm 3,0$ mm
 Für Duplexkopie: Innerhalb $\pm 4,0$ mm

7. Eseguire di nuovo una prova di copia.
 8. Ripetere i passi da 1 a 6 fino a che la linea (2) dell'esempio di copia non mostra i seguenti valori di riferimento.
 <Valore di riferimento> Per copia simplex: Entro $\pm 3,0$ mm
 Per copia duplex: Entro $\pm 4,0$ mm

7. 再次进行测试复印。
 8. 反复操作步骤 1~6, 直至复印样张的线 (2) 为标准值内。
 <标准值> 单面时: ± 3.0 mm 以内
 双面时: ± 4.0 mm 以内

7. 다시 테스트 카피를 합니다.
 8. 샘플 카피 선 (2) 이 기준치내로 될 때까지 순서 1 ~ 6 을 반복합니다.
 <기준치> 단면의 경우: ± 3.0 mm 이내
 양면의 경우: ± 4.0 mm 이내

7. 再度テストコピーをおこなう。
 8. コピーサンプルの線 (2) が基準値内になるまで、手順 1 ~ 6 を繰り返す。
 <基準値> 片面の場合: ± 3.0 mm 以内
 両面の場合: ± 4.0 mm 以内



**[Automatic adjustment using the original for adjustment]
If there is no DP auto adjustment original.**

1. Set the maintenance mode U411, select [DP Auto Adj] and press the Start key to print an original.
2. Set the printed original on the contact glass and press the Start key.
3. Set the original on the DP face up and press the Start key to carry out surface adjustment.

4. Set the original on the DP face down and press the Start key to carry out rear-side adjustment. (DP-772 only)
5. If OK appears on the display, the adjustment is completed. If ERROR XX appears, the adjustment failed. Check the original set position and repeat steps 2 and 4 until OK appears. For details, see the service manual.

**[Réglage automatique en utilisant l'original pour effectuer le réglage]
Si la machine n'est pas pourvue de la fonction réglage automatique d'original du DP**

1. Régler le mode maintenance U411, sélectionner [DP Auto Adj] et appuyer sur la touche Start pour imprimer un original.
2. Placer l'original qui vient d'être imprimé sur la vitre d'exposition et appuyer sur la touche Start.
3. Placer l'original sur le DP côté imprimé en haut et appuyer sur la touche Start pour procéder au réglage de la surface.

4. Placer l'original sur le DP côté imprimé en bas et appuyer sur la touche Start pour procéder au réglage du côté arrière. (DP-772 uniquement)
5. Si le message OK apparaît sur l'affichage, le réglage est terminé. Si le message ERROR XX (erreur XX) s'affiche, le réglage a échoué. Vérifier la position de l'original et recommencer les opérations 2 et 4 jusqu'à ce que le message OK apparaisse. Pour plus de détails, se reporter au manuel d'entretien.

**[Ajuste automático utilizando el original para el ajuste]
Si no existe el original de ajuste automático del DP**

1. Entre al modo de mantenimiento U411, seleccione [DP Auto Adj] y pulse la tecla de Start para imprimir un original.
2. Coloque el original impreso sobre el cristal de contacto y pulse la tecla de Start.
3. Coloque el original en el DP cara arriba y pulse la tecla de Start para realizar un ajuste de anverso.

4. Coloque el original en el DP cara abajo y pulse la tecla de Start para realizar un ajuste de reverso. (DP-772 solamente)
5. Si aparece OK en la pantalla significa que el ajuste ha sido realizado. Si aparece ERROR XX, el ajuste ha fallado. Compruebe la posición ajustada del original y repita los pasos 2 y 4 hasta que aparezca OK en la pantalla. Para más detalles, lea el manual de servicio.

**[Automatische Einstellung mithilfe des Originals]
Falls keine automatische Einstellung des Originals des DP vorhanden ist**

1. Den Wartungsmodus U411 einschalten. DP [Auto Adj] wählen und die Start-Taste betätigen, um ein Original auszudrucken.
2. Das ausgedruckte Original auf das Kontaktglas legen und die Start-Taste betätigen.
3. Das Original mit der Druckseite nach oben einlegen und die Start-Taste betätigen, um die Oberflächeneinstellung ausführen zu lassen.

4. Das Original mit der Druckseite nach unten einlegen und die Start-Taste betätigen, um die Rückseiteneinstellung ausführen zu lassen. (nur DP-772)
5. Wenn am Display OK angezeigt wird, ist die Einstellung abgeschlossen. Wenn ERROR XX (FEHLER XX) angezeigt wird, ist die Einstellung fehlgeschlagen. Überprüfen Sie die Originalpositionierung und wiederholen Sie Schritte 2 und 4, bis OK angezeigt wird. Weitere Einzelheiten siehe Wartungsanleitung.

**[Regolazione automatica eseguita con l'originale]
Se non è presente l'autoregolazione originale DP**

1. Impostare la modalità manutenzione U411, selezionare [DP Auto Adj] e premere il tasto di Start per stampare un originale.
2. Posizionare l'originale stampato sul vetro di appoggio e premere il tasto di Start.
3. Posizionare l'originale sul DP rivolto verso l'alto e premere il tasto di Start per eseguire la regolazione della superficie.

4. Posizionare l'originale sul DP rivolto verso il basso e premere il tasto di Start per eseguire la regolazione del lato posteriore. (Solo DP-772)
5. Se OK appare sul display, la regolazione è completata. Se compare ERROR XX (ERRORE XX), la regolazione non è riuscita. Verificare la posizione di impostazione dell'originale e ripetere le operazioni 2 e 4 fino a quando appare OK. Per ulteriori dettagli leggere il manuale d'istruzioni.

[通过调整用原稿进行自动调整]

没有 DP 调整用原稿时

1. 设置维护模式 U411, 按 [DP Auto Adj]、Start 键以输出原稿。
2. 将输出的原稿放在稿台上, 按 Start 键。
3. 将原稿面朝上放在 DP 主机上, 按 Start 键以进行正面的调整。

4. 将原稿面朝下放在 DP 主机上, 按 Start 键以进行反面的调整。(仅限 DP-772)
5. 如果屏幕上出现 OK (完成), 则表示调整完成。如果出现 ERROR XX (错误 XX), 则表示调整失败。检查原稿设定位置并重复步骤 2 和 4, 直到 OK (完成) 出现。详细内容请参考维修手册。

[조정용 원고를 이용한 자동조정]

DP 조정용 원고가 없는 경우

1. 메인テナンス 모드 U411 을 세트하고 [DP Auto Adj], 시작키를 눌러 원고를 출력합니다.
2. 출력한 원고를 원고 유리에 장착하고 시작키를 누릅니다.
3. 원고를 FaceUp 으로 DP 로 세트하고 시작키를 눌러 표면조정을 합니다.

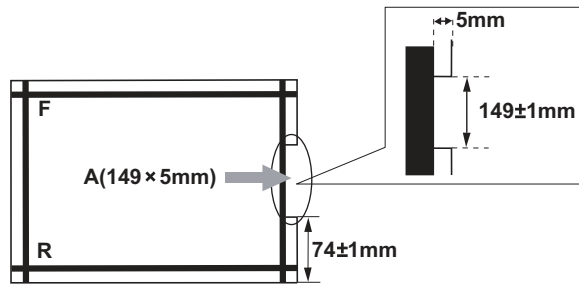
4. 원고를 FaceDown 으로 DP 에 장착하고 시작키를 눌러 뒷면조정을 합니다. (DP-772 만)
5. 디스플레이에 OK 가 표시되면 조정완료가 됩니다. ERROR XX 가 표시된 경우에는 조정실패입니다. 원고 장착위치를 확인하고 OK 가 표시될 때까지 순서 2 ~ 4 를 반복합니다. 상세는 서비스 매뉴얼을 참조

[調整用原稿による自動調整]

DP 調整用原稿が無い場合

1. メンテナンスモード U411 をセットし、[DP Auto Adj]、Start キーを押し原稿を出力する。
2. 出力した原稿をコンタクトガラス上にセットし、Start キーを押す。
3. 原稿を FaceUp で DP へセットし、Start キーを押し、表面の調整を行う。

4. 原稿を FaceDown で DP へセットし、Start キーを押し、裏面の調整を行う。(DP-772 のみ)
5. ディスプレイに OK が表示されれば調整完了となる。ERROR XX が表示された場合は調整失敗である。原稿のセット位置を確認し、OK が表示されるまで手順 2 ~ 4 を繰り返す。詳細はサービスマニュアルを参照のこと。



Using a DP auto adjustment original

1. Direct F and R of the DP auto adjustment original upward, and set the original from the place where F and R are marked.
2. Set the maintenance mode U411. Press the [DP FaceUp (Chart2)], [Input] and the Start key in that order to carry out surface adjustment.

3. If OK appears on the display, the adjustment is completed. If ERROR XX appears, the adjustment failed. Check the original set position and repeat steps 1 and 2 until OK appears. For details, see the service manual.

Avec la fonction réglage automatique d'original du DP

1. Diriger F (avant) et R (arrière) de la fonction de réglage automatique d'original du DP vers le haut, puis placer l'original à partir de l'emplacement des repères F et R.
2. Passer au mode maintenance U411. Appuyer sur les touches [DP FaceUp (Chart2)], [Input] et Start dans cet ordre pour procéder au réglage de la surface.

3. Si le message OK apparaît sur l'affichage, le réglage est terminé. Si le message ERROR XX (erreur XX) s'affiche, le réglage a échoué. Vérifier la position de l'original et recommencer les opérations 1 et 2 jusqu'à ce que le message OK apparaisse. Pour plus de détails, se reporter au manuel d'entretien.

Uso del original de ajuste automático del DP

1. Dirija F y R del original de ajuste automático del DP hacia arriba, y coloque el original a partir del sitio en que están marcados F y R.
2. Entre en el modo de mantenimiento U411. Pulse las teclas [DP FaceUp (Chart2)], [Input] y la tecla de Start, en ese orden, para realizar el ajuste de anverso.

3. Si aparece OK en la pantalla significa que el ajuste ha sido realizado. Si aparece ERROR XX, el ajuste ha fallado. Compruebe la posición ajustada del original y repita los pasos 1 y 2 hasta que aparezca OK en la pantalla. Para más detalles, lea el manual de servicio.

Gebrauch der automatischen Einstellung des Originals des DP

1. F und R der automatischen Einstellung des Originals des DP nach oben zeigen und das Original an die mit F und R markierte Stelle setzen.
2. Den Wartungsmodus U411 einschalten. [DP Faceup (Chart2)], [Input] und die Start-Taste in dieser Reihenfolge betätigen, um die Oberflächeneinstellung ausführen zu lassen.

3. Wenn am Display OK angezeigt wird, ist die Einstellung abgeschlossen. Wenn ERROR XX (FEHLER XX) angezeigt wird, ist die Einstellung fehlgeschlagen. Überprüfen Sie die Originalpositionierung und wiederholen Sie Schritte 1 und 2, bis OK angezeigt wird. Weitere Einzelheiten siehe Wartungsanleitung.

Uso di un'autoregolazione originale DP

1. Orientare F e R dell'autoregolazione originale DP verso l'alto e disporre l'originale rispetto ai punti in cui sono contrassegnati F e R.
2. Impostare la modalità manutenzione U411. Premere nell'ordine [DP FaceUp (Chart2)], [Input] e il tasto di Start, per eseguire la regolazione della superficie.

3. Se OK appare sul display, la regolazione è completata. Se compare ERROR XX (ERRORE XX), la regolazione non è riuscita. Verificare la posizione di impostazione dell'originale e ripetere le operazioni 1 e 2 fino a quando appare OK. Per ulteriori dettagli leggere il manuale d'istruzioni.

使用 DP 自动调整原稿时

1. 将 DP 自动调整原稿的 F 和 R 向上, 并把标有 F 和 R 的一侧插入 DP 来设定原稿。
2. 设置维护模式 U411, 按顺序按 [DP FaceUp (Chart2)], [Input], Start 键以进行正面的调整。

3. 如果屏幕上出现 OK (完成), 则表示调整完成。如果出现 ERROR XX (错误 XX), 则表示调整失败。检查原稿设定位置并重复步骤 1 和 2, 直到 OK (完成) 出现。详细内容请参照维修手册。

DP 자동조정용 원고를 사용하는 경우

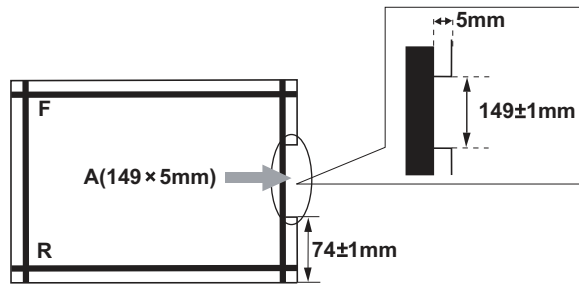
1. DP 자동 조정 원고를 F, R 을 위로 향하게 하고 F, R 이라고 표시된 곳에서 부터 원고를 셋팅합니다.
2. 메인テナンス 모드 U411 을 세트하고 [DP FaceUp (Chart2)], [Input], 시작키의 순서로 눌러 표면 조정을 합니다.

3. 디스플레이에 OK 가 표시되면 조정완료가 됩니다. ERROR XX 가 표시된 경우에는 조정실패입니다. 원고 장착위치를 확인하고 OK 가 표시될 때까지 순서 1 ~ 2 를 반복합니다. 상세는 서비스 매뉴얼을 참조.

DP 自動調整原稿を使用する場合

1. DP 自動調整原稿の F、R を上に向け、F、R が書かれている方から DP へセットする。
2. メンテナンスモード U411 をセットし、[DP FaceUp (Chart2)], [Input], Start キーの順に押し、表面の調整を行う。

3. ディスプレイに OK が表示されれば調整完了となる。ERROR XX が表示された場合は調整失敗である。原稿のセット位置を確認し、OK が表示されるまで手順 1 ~ 2 を繰り返す。詳細はサービスマニュアルを参照のこと。



4. After completing the surface adjustment, direct F and R of the DP auto adjustment original downward and set the original by inserting the side where the F and R are marked into the DP first. (DP-772 only)
5. Set the maintenance mode U411. Press the [DP FaceDown (Chart2)], [Normal Target], [Input] and the Start key in that order to carry out rear-side adjustment.(DP-772 only)

6. If OK appears on the display, the adjustment is completed.(DP-772 only)
If ERROR XX appears, the adjustment failed. Check the original set position and repeat steps 4 and 5 until OK appears.
For details, see the service manual.

4. Une fois le réglage de la surface effectué, diriger F (avant) et R (arrière) de la fonction de réglage automatique d'original du DP vers le bas et placer l'original en introduisant en premier dans le DP le côté sur lequel F et R sont indiqués.(DP-772 uniquement)
5. Passer au mode maintenance U411. Appuyer sur les touches [DP FaceDown (Chart2)], [Normal Target], [Input] et Start dans cet ordre pour procéder au réglage du côté arrière.(DP-772 uniquement)

6. Si le message OK apparaît sur l'affichage, le réglage est terminé. (DP-772 uniquement)
Si le message ERROR XX (erreur XX) s'affiche, le réglage a échoué. Vérifier la position de l'original et recommencer les opérations 4 et 5 jusqu'à ce que le message OK apparaisse.
Pour plus de détails, se reporter au manuel d'entretien.

4. Una vez hecho el ajuste del anverso, dirija F y R del original de ajuste automático del DP hacia abajo y coloque el original insertando en el DP, en primer lugar, el lado en el que están marcados F y R.(DP-772 solamente)
5. Entre en el modo de mantenimiento U411. Pulse las teclas [DP FaceDown (Chart2)], [Normal Target], [Input] y la tecla de Start, en ese orden, para realizar el ajuste de reverso.(DP-772 solamente)

6. Si aparece OK en la pantalla significa que el ajuste ha sido realizado. (DP-772 solamente)
Si aparece ERROR XX, el ajuste ha fallado. Compruebe la posición ajustada del original y repita los pasos 4 y 5 hasta que aparezca OK en la pantalla.
Para mas detalles, lea el manual de servicio.

4. Nach dem Abschluss der Oberflächeneinstellung F und R der automatischen Einstellung des Originals des DP nach unten zeigen und das Original einstellen, indem die mit F und R markierte Seite zuerst in den DP eingeführt wird.(nur DP-772)
5. Den Wartungsmodus U411 einschalten. [DP FaceDown (Chart2)], [Normal Target], [Input] und die Start-Taste in dieser Reihenfolge betätigen, um die Rückseiteneinstellung ausführen zu lassen.(nur DP-772)

6. Wenn am Display OK angezeigt wird, ist die Einstellung abgeschlossen. (nur DP-772)
Wenn ERROR XX (FEHLER XX) angezeigt wird, ist die Einstellung fehlgeschlagen. Überprüfen Sie die Originalpositionierung und wiederholen Sie Schritte 4 und 5, bis OK angezeigt wird.
Weitere Einzelheiten siehe Wartungsanleitung.

4. Una volta conclusa la regolazione della superficie, orientare F e R dell'autoregolazione originale DP verso il basso e disporre l'originale inserendo nel DP prima il lato su cui sono contrassegnati F e R.(Solo DP-772)
5. Impostare la modalità manutenzione U411. Premere nell'ordine [DP FaceDown (Chart2)], [Normal Target], [Input] e il tasto di Start, per eseguire la regolazione del lato posteriore.(Solo DP-772)

6. Se OK appare sul display, la regolazione è completata. (Solo DP-772)
Se compare ERROR XX (ERRORE XX), la regolazione non è riuscita. Verificare la posizione di impostazione dell'originale e ripetere le operazioni 4 e 5 fino a quando appare OK.
Per ulteriori dettagli leggere il manuale d'istruzioni.

4. 完成正面调整后,将DP自动调整原稿的F和R向下,并首先将标有F和R的一侧插入DP来设定原稿。(仅限DP-772)
5. 设置维护模式U411,按顺序按[DP FaceDown(Chart2)],[Normal Target],[Input]、Start键以进行反面的调整。(仅限DP-772)

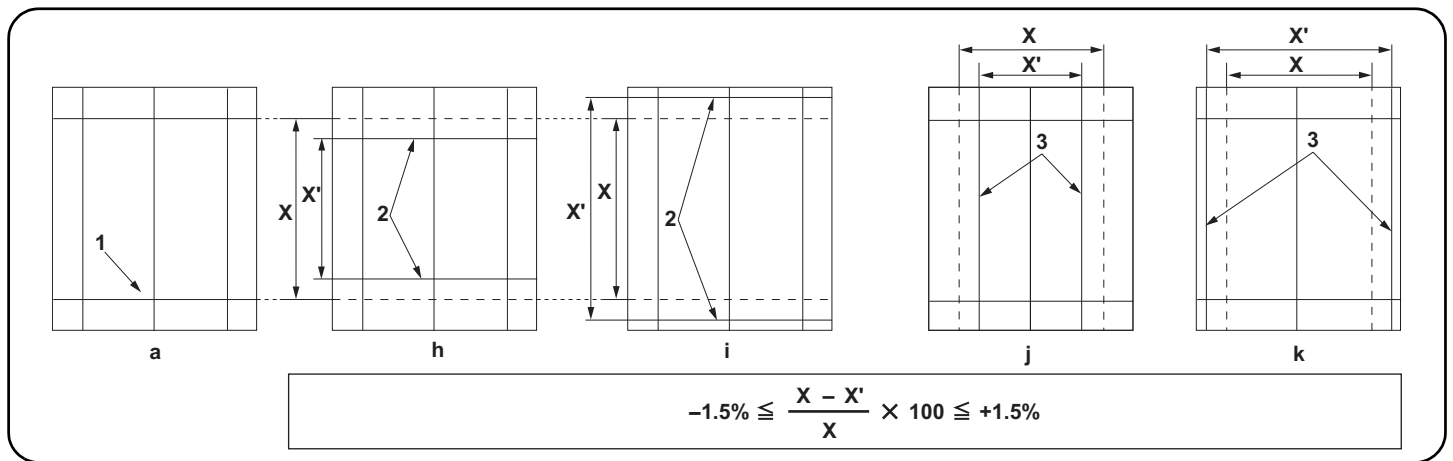
6. 如果屏幕上出现OK(完成),则表示调整完成。(仅限DP-772)
如果出现ERROR XX(错误XX),则表示调整失败。检查原稿设定位置并重复步骤4和5,直到OK(完成)出现。
详细内容请参照维修手册。

4. 표면의 조정완료 후 DP 자동조정원고의 F, R 을 아래로 향하게 해 F, R 이 쓰여져 있는 쪽에서 DP 로 세트합니다 . (DP-772 만)
5. 메인テナンス 모드 U411 을 세트하고 [DP FaceDown(Chart2)], [Normal Taget], [Input], 시작키 순서로 뒷면조정을 합니다 . (DP-772 만)

6. 디스플레이에 OK 가 표시되면 조정완료가 됩니다 . (DP-772 만)
ERROR XX 가 표시된 경우에는 조정실패입니다 . 원고 장착위치를 확인하고 OK 가 표시될 때까지 순서 4 ~ 5 를 반복합니다 .
상세는 서비스 매뉴얼을 참조

4. 表面の調整完了後、DP自動調整原稿のF、Rを下に向け、F、Rが書かれている方からDPへセットする。(DP-772のみ)
5. メンテナンスモードU411をセットし、[DP FaceDown(Chart2)],[Normal Taget],[Input]、Startキーの順に押し、裏面の調整を行う。(DP-772のみ)

6. ディスプレイにOKが表示されれば調整完了となる。(DP-772のみ)
ERROR XXが表示された場合は調整失敗である。原稿のセット位置を確認し、OKが表示されるまで手順4~5を繰り返す。
詳細はサービスマニュアルを参照のこと。



[Checking the magnification]

1. Check the gap between line (1) of original (a) and line (2) (3) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.
<Reference value>
For the sub-scan direction, vertical gap of line (2): within ±1.5%
For the main-scan direction, horizontal gap of line (3): within ±1.5%

2. Use the maintenance mode U070 to adjust the magnification.
Sub Scan(F): Adjusts the scanner sub-scan magnification (surface)
Sub Scan(B): Adjusts the scanner sub-scan magnification (rear side) (DP-770(B))
Main Scan(CIS): Adjusts the scanner CIS main-scan magnification (DP-772)
Sub Scan (CIS): Adjusts the scanner CIS sub-scan magnification (DP-772)

[Vérification de l'agrandissement]

1. Vérifier l'écart entre la ligne (1) de l'original (a) et la ligne (2) (3) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.
<Valeur de référence>
Pour la direction du balayage secondaire, l'écart vertical de la ligne (2) est de ±1,5%
Pour la direction du balayage principal, l'écart horizontal de la ligne (3) est de ±1,5%

2. Pour régler l'agrandissement, utilisez le mode entretien U070.
Sub Scan(F): Permet de régler l'agrandissement du balayage secondaire du scanner(surface)
Sub Scan(B): Permet de régler l'agrandissement du balayage secondaire du scanner (arrière)(DP-770(B))
Main Scan(CIS): Permet de régler l'agrandissement du balayage principal du CIS du scanner (DP-772)
Sub Scan (CIS): Permet de régler l'agrandissement du balayage secondaire du CIS du scanner (DP-772)

[Verificación del cambio de tamaño]

1. Compruebe la separación entre la línea (1) del original (a) y la línea (2) (3) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.
<Valor de referencia>
Para la dirección de exploración secundaria, separación vertical de la línea (2): dentro de ±1,5%
Para la dirección de exploración principal, separación horizontal de la línea (3): dentro de ±1,5%

2. Para ajustar la ampliación utilice el modo de mantenimiento U070.
Sub Scan(F): Ajusta el cambio de tamaño de la dirección de exploración secundaria del escáner.(anverso)
Sub Scan(B): Ajusta el cambio de tamaño de la dirección de exploración secundaria del escáner (reverso) (DP-770(B))
Main Scan(CIS): Ajusta el cambio de tamaño de la dirección de exploración principal CIS del escáner (DP-772)
Sub Scan (CIS): Ajusta el cambio de tamaño de la dirección de exploración secundaria CIS del escáner (DP-772)

[Überprüfen der Vergrößerung]

1. Den Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) (3) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.
<Bezugswert>
Subscanrichtung: Vertikaler Abstand der Linie (2): Innerhalb ±1,5%
Hauptscanrichtung: Horizontaler Abstand der Linie (3): Innerhalb ±1,5%

2. Zum Einstellen der Vergrößerung den Wartungsmodus U070 verwenden.
Sub Scan(F): Zur Einstellung der Subscan-Vergrößerung(Oberfläche)
Sub Scan(B): Zur Einstellung der Subscan-Vergrößerung(Rückseite)(DP-770(B))
Main Scan(CIS): Zur Einstellung der Scanner-CIS-Mainscan-Vergrößerung (DP-772)
Sub Scan (CIS): Zur Einstellung der Scanner-CIS-Subscan-Vergrößerung (DP-772)

[Controllo dell'ingrandimento]

1. Verificare lo scostamento fra la linea (1) dell'originale (a) e la linea (2) (3) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.
<Valore di riferimento>
Per l'orientamento della scansione ausiliare, lo scostamento verticale della linea (2) deve essere compreso fra ±1,5%

- Per l'orientamento della scansione principale, lo scostamento orizzontale della linea (3) deve essere compreso fra ±1,5%
2. Usare la modalità di manutenzione U070 per regolare l'ingrandimento.
Sub Scan(F): Regola l'ingrandimento della scansione ausiliare dello scanner(superficie)
Sub Scan(B): Regola l'ingrandimento della scansione ausiliare dello scanner(lato posteriore)(DP-770(B))
Main Scan(CIS): Regola l'ingrandimento di CIS main-scan dello scanner. (DP-772)
Sub Scan (CIS): Regola l'ingrandimento della scansione ausiliare CIS dello scanner (DP-772)

[确认等倍値]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2)、(3) 之间的偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整。
<标准值>
对于副扫描方向, 线 (2) 的上下偏移值: ±1.5% 以内
对于主扫描方向, 线 (3) 的左右偏移值: ±1.5% 以内

2. 使用维修模式 U070 调整等倍值。
Sub Scan(F): 读取副扫描等倍度的调整 (正面)
Sub Scan(B): 读取副扫描等倍度的调整 (反面) (DP-770(B))
Main Scan(CIS): CIS 的读取主扫描等倍度的调整 (DP-772)
Sub Scan (CIS): CIS 的读取副扫描等倍度的调整 (DP-772)

[등배도확인]

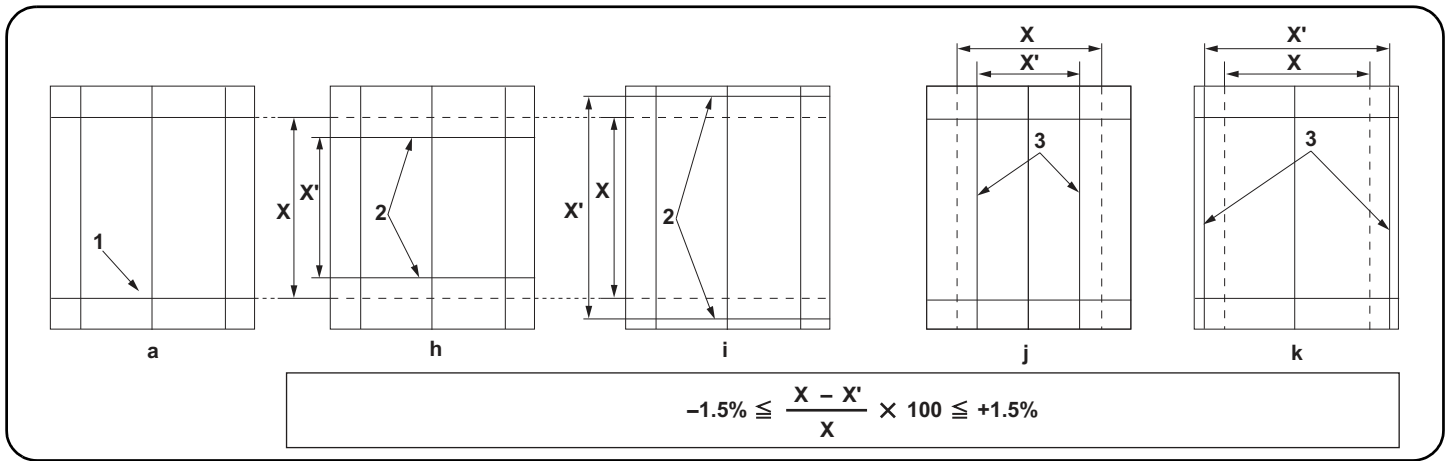
1. 원고 (a) 선 (1) 과 샘플 카피의 선 (2)(3) 의 차이를 확인합니다. 차이가 기준이외의 경우, 다음 순서로 조정을 합니다.
<기준치>
부주사 방향의 경우 선 (2) 의 상하차이: ±1.5% 이내
주주사 방향의 경우 선 (3) 의 좌우차이: ±1.5% 이내

2. 메인テナンス 모드 U070 을 세트하고 조정을 합니다.
Sub Scan(F): 스캔 부주사등배도의 조정 (표면)
Sub Scan(B): 스캔 부주사등배도의 조정 (뒷면) (DP-770(B))
Main Scan(CIS): CIS 의 스캔 주주사 등배도의 조정 (DP-772)
Sub Scan(CIS): CIS 의 스캔 부주사 등배도의 조정 (DP-772)

[等倍度確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) (3) のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。
<基準値>
副走査方向の場合、線 (2) の上下ずれ: ±1.5% 以内
主走査方向の場合、線 (3) の左右ずれ: ±1.5% 以内

2. メンテナンスモード U070 をセッとし、調整を行う。
Sub Scan(F): 読み取り副走査等倍度の調整 (表面)
Sub Scan(B): 読み取り副走査等倍度の調整 (裏面) (DP-770(B))
Main Scan(CIS): CIS の読み取り主走査等倍度の調整 (DP-772)
Sub Scan (CIS): CIS の読み取り副走査等倍度の調整 (DP-772)



3. Adjust the values.

For the shorter length copy example (h)(j): Increases the value.
 For the longer length copy example (i)(k): Decreases the value.
 Amount of change per step: 0.10 %

4. Perform a test copy.

5. Repeat the steps 2 to 4 above until the gap of line (2) (3) of copy example shows the reference value.

<Reference value>

For the sub-scan direction, vertical gap of line (2): within ±1.5%
 For the main-scan direction, horizontal gap of line (3): within ±1.5%

3. Régler les valeurs.

Pour l'exemple de copie dont la longueur est plus courte (h)(j) :
 augmenter la valeur.

Pour l'exemple de copie dont la longueur est plus longue (i)(k) :
 diminuer la valeur.

Changement par graduation d'échelle : 0,10 %

4. Effectuer une copie de test.

5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) (3) de l'exemple de copie indique la valeur de référence.

<Valeur de référence>

Pour la direction du balayage secondaire, l'écart vertical de la ligne (2)
 est de ±1,5%

Pour la direction du balayage principal, l'écart horizontal de la ligne (3)
 est de ±1,5%

3. Ajuste los valores.

Para el ejemplo de copia más corto (h)(j): aumenta el valor.

Para el ejemplo de copia más largo (i)(k): disminuye el valor.

Magnitud del cambio por incremento: 0,10 %

4. Haga una copia de prueba.

5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) (3) del ejemplo de copia presente el valor de referencia.

<Valor de referencia>

Para la dirección de exploración secundaria, separación vertical de la
 línea (2): dentro de ±1,5%

Para la dirección de exploración principal, separación horizontal de la
 línea (3): dentro de ±1,5%

3. Die Werte einstellen.

Für die kürzere Länge des Kopierbeispiels (h)(j): Den Wert erhöhen.

Für die längere Länge des Kopierbeispiels (i)(k): Den Wert verringern.

Änderung pro Schritt: 0,10 %

4. Eine Testkopie erstellen.

5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) (3) des Kopierbeispiels den Bezugswert aufweist.

<Bezugswert>

Subscanrichtung: Vertikaler Abstand der Linie (2): Innerhalb ±1,5%

Hauptscanrichtung: Horizontaler Abstand der Linie (3): Innerhalb
 ±1,5%

3. Regolare i valori.

Per l'esempio di copia di lunghezza inferiore (h)(j): aumenta il valore.

Per l'esempio di copia di lunghezza superiore (i)(k): riduce il valore.

Entità modifica per passo: 0,10 %

4. Eseguire una copia di prova

5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) (3) dell'esempio di copia riporterà i valori di riferimento.

<Valore di riferimento>

Per l'orientamento della scansione ausiliare, lo scostamento verticale
 della linea (2) deve essere compreso fra ±1,5%

Per l'orientamento della scansione principale, lo scostamento orizzontale
 della linea (3) deve essere compreso fra ±1,5%

3. 調整設定値。

在长度偏短时 复印样本 (h) (j) : 调高设定值

在长度偏长时 复印样本 (i) (k) : 调低设定值

设定值的一个调整单位变化量 : 0.10%

4. 进行测试复印。

5. 重复上述步骤 2 到 4, 直至复印样本上的线 (2)、(3) 之间的偏移值达到标准值范围内。

<标准值>

对于副扫描方向, 线 (2) 的上下偏移值 : ±1.5% 以内

对于主扫描方向, 线 (3) 的左右偏移值 : ±1.5% 以内

3. 설정치를 조정합니다 .

길이가 짧은 경우 샘플 카피 (h)(j): 설정치를 높입니다 .

길이가 긴 경우 샘플 카피 (i)(k): 설정치를 내립니다 .

1 스텝당 변화량: 0.10%

4. 테스트 카피를 합니다 .

5. 샘플 카피 선 (2)(3) 의 차이가 기준치내가 될 때까지 2 ~ 4 를 반복합니다 .

< 기준치 >

부주사 방향의 경우 선 (2) 의 상하차이: ±1.5% 이내

주주사 방향의 경우 선 (3) 의 좌우차이: ±1.5% 이내

3. 設定値を調整する。

長さが短い場合コピーサンプル (h) (j) : 設定値を上げる

長さが長い場合コピーサンプル (i) (k) : 設定値を下げる

1 ステップ当たりの変化量: 0.10%

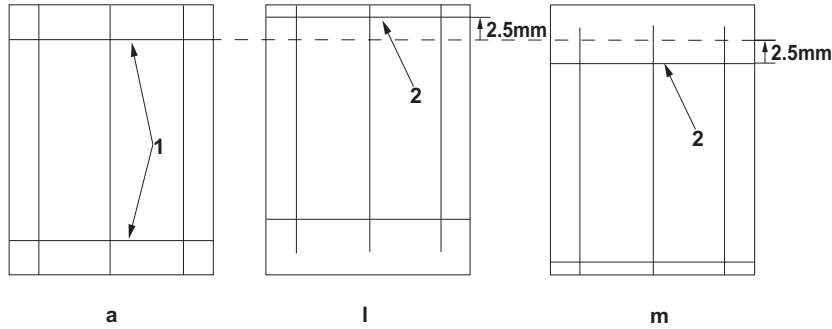
4. テストコピーを行う。

5. コピーサンプルの線 (2) (3) のずれが基準値内になるまで手順 2 ~ 4 を繰り返す。

< 基準値 >

副走査方向の場合、線 (2) の上下ずれ: ±1.5% 以内

主走査方向の場合、線 (3) の左右ずれ: ±1.5% 以内



[Checking the leading edge timing]

1. Check the gap between line (1) on original (a) and line (2) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.
<Reference value>
Vertical gap of line (2): within ± 2.5 mm

2. Use the maintenance mode U071 to adjust the timing.

Front Head: Adjusts the leading edge timing (surface)
Front Tail: Adjusts the trailing edge timing (surface)
CIS Head: Adjusts the leading edge timing for CIS scanning.(DP-772)
CIS Tail: Adjusts the trailing edge timing for CIS scanning.(DP-772)
Back Head: Adjusts the leading edge timing (rear side)(DP-770(B))
Back Tail: Adjusts the trailing edge timing (rear side)(DP-770(B))

[Vérification de la synchronisation du bord avant]

1. Vérifier l'écart entre la ligne (1) de l'original (a) et la ligne (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.
<Valeur de référence>
Écart vertical de la ligne (2) : $\pm 2,5$ mm

2. Pour régler la synchronisation, utilisez le mode entretien U071.

Front Head: Permet de régler la synchronisation du bord de tête (surface)
Front Tail: Permet de régler la synchronisation du bord arrière (surface)
CIS Head: Permet de régler la synchronisation du bord de tête pour le balayage par le CIS.(DP-772)
CIS Tail: Permet de régler la synchronisation du bord arrière pour le balayage par le CIS.(DP-772)
Back Head: Permet de régler la synchronisation du bord de tête (arrière)(DP-770(B))
Back Tail: Permet de régler la synchronisation du bord arrière (arrière)(DP-770(B))

[Cambio de la sincronización de borde superior]

1. Compruebe la separación entre la línea (1) del original (a) y la línea (2) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.
<Valor de referencia>
Separación vertical de la línea (2): dentro de $\pm 2,5$ mm

2. Para ajustar la sincronización utilice el modo de mantenimiento U071.

Front Head: Ajusta la sincronización del borde superior (anverso).
Front Tail: Ajusta la sincronización del borde inferior (anverso).
CIS Head: Ajusta la sincronización del borde superior para exploración CIS.(DP-772)
CIS Tail: Ajusta la sincronización del borde inferior para exploración CIS.(DP-772)
Back Head: Ajusta la sincronización del borde superior (reverso).(DP-770(B))
Back Tail: Ajusta la sincronización del borde inferior (reverso).(DP-770(B))

[Überprüfen des Vorderkanten-Timings]

1. Den Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.
<Bezugswert>
Vertikaler Abstand der Linie (2): Innerhalb $\pm 2,5$ mm

2. Zum Einstellen des Timing den Wartungsmodus U071 verwenden.

Front Head: Zur Einstellung des Vorderkanten-Timing (Oberfläche)
Front Tail: Zur Einstellung des Hinterkanten-Timing (Oberfläche)
CIS Head: Zur Einstellung des Vorderkanten-Timing für CIS-Scannen.(DP-772)
CIS Tail: Zur Einstellung des Hinterkanten-Timing für CIS-Scannen.(DP-772)
Back Head: Zur Einstellung des Vorderkanten-Timing (Rückseite)(DP-770(B))
Back Tail: Zur Einstellung des Hinterkanten-Timing (Rückseite)(DP-770(B))

[Controllo della sincronizzazione del bordo principale]

1. Verificare lo scostamento fra la linea (1) sull'originale (a) e la linea (2) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.
<Valore di riferimento>
Scostamento verticale della linea (2) compreso fra $\pm 2,5$ mm

2. Usare la modalità di manutenzione U071 per regolare la sincronizzazione.

Front Head: Regola la sincronizzazione del bordo principale (superficie)
Front Tail: Regola la sincronizzazione del bordo di uscita (superficie)
CIS Head: Regola la sincronizzazione del bordo principale per scansione CIS.(DP-772)
CIS Tail: Regola la sincronizzazione del bordo di uscita per scansione CIS.(DP-772)
Back Head: Regola la sincronizzazione del bordo principale (lato posteriore)(DP-770(B))
Back Tail: Regola la sincronizzazione del bordo di uscita (lato posteriore)(DP-770(B))

[确认前端定时调整]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 之间的偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整。
<标准值>
线 (2) 的上下偏移值: ± 2.5 mm 以内

2. 使用维修模式 U071 调整定时。

Front Head: 调整前端定时 (正面)
Front Tail: 调整后端定时 (正面)
CIS Head: 调整 CIS 读取时的前段对位 (DP-772)
CIS Tail: 调整 CIS 读取时的后段对位 (DP-772)
Back Head: 调整前端定时 (反面) (DP-770 (B))
Back Tail: 调整后端定时 (反面) (DP-770 (B))

[선단 타이밍확인]

1. 원고 (a) 선 (1) 과 샘플 카피 선 (2) 의 차이를 확인합니다. 차이가 기준치 외의 경우 다음 순서로 조정을 합니다.
<기준치>
선 (2) 의 상하차이: ± 2.5 mm 이내

2. 메인テナンス 모드 U071 을 세트하고 조정을 합니다.

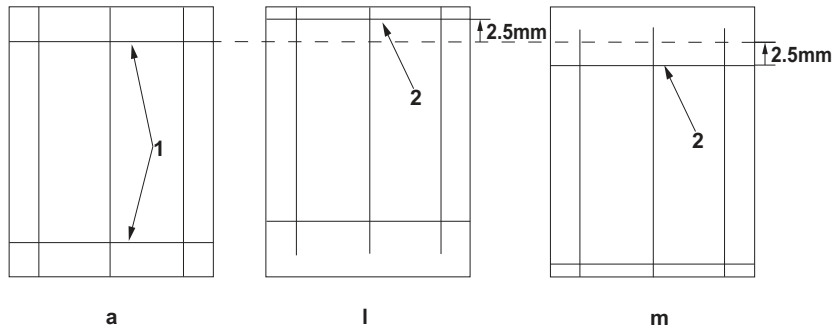
Front Head: 선단 타이밍 (표면) 을 조정합니다.
Front Tail: 후단 타이밍 (표면) 을 조정합니다.
CIS Head: CIS 스캔 시의 선단 타이밍을 조정합니다.(DP-772)
CIS Tail: CIS 스캔 시의 후단 타이밍을 조정합니다.(DP-772)
Back Head: 선단 타이밍 (뒷면) 을 조정합니다.(DP-770(B))
Back Tail: 후단 타이밍 (뒷면) 을 조정합니다.(DP-770(B))

[先端タイミング確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。
<基準値>
線 (2) の上下ずれ: ± 2.5 mm 以内

2. メンテナンスモード U071 をセットし、調整を行う。

Front Head: 先端タイミング (表面) を調整する
Front Tail: 後端タイミング (表面) を調整する
CIS Head: CIS 読み込み時の先端タイミングを調整する (DP-772)
CIS Tail: CIS 読み込み時の後端タイミングを調整する (DP-772)
Back Head: 先端タイミング (裏面) を調整する (DP-770 (B))
Back Tail: 後端タイミング (裏面) を調整する (DP-770 (B))



3. Adjust the values.

For the faster leading edge timing, copy examples (l): Decreases the value.

For the slower leading edge timing, copy examples (m): Increases the value.

Amount of change per step: 0.17 mm

4. Perform a test copy.

5. Repeat the steps 2 to 4 above until the gap of line (2) of copy example shows the reference value.

<Reference value>

Vertical gap of line (2): within ± 2.5 mm

3. Régler les valeurs.

Pour les exemples de copie dont la synchronisation du bord avant est plus rapide (l) : diminuer la valeur.

Pour les exemples de copie dont la synchronisation du bord avant est plus lente (m) : augmenter la valeur.

Changement par graduation d'échelle : 0,17 mm

4. Effectuer une copie de test.

5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique la valeur de référence.

<Valeur de référence>

Écart vertical de la ligne (2) : $\pm 2,5$ mm

3. Ajuste los valores.

Para una sincronización más rápida de extremo guía, ejemplos de copia (l): disminuye el valor.

Para una sincronización más lenta de extremo guía, ejemplos de copia (m): aumenta el valor.

Magnitud del cambio por incremento: 0,17 mm

4. Haga una copia de prueba.

5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) del ejemplo de copia presente el valor de referencia.

<Valor de referencia>

Separación vertical de la línea (2): dentro de $\pm 2,5$ mm

3. Die Werte einstellen.

Für den schnelleren Vorderkantentakt, Kopierbeispiel (l): Den Wert verringern.

Für den langsameren Vorderkantentakt, Kopierbeispiel (m): Den Wert erhöhen.

Änderung pro Schritt: 0,17 mm

4. Eine Testkopie erstellen.

5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels den Bezugswert aufweist.

<Bezugswert>

Vertikaler Abstand der Linie (2): Innerhalb $\pm 2,5$ mm

3. Regolare i valori.

Per accelerare la fasatura del bordo di entrata, esempi di copia (l): riduce il valore.

Per rallentare la fasatura del bordo di entrata, esempi di copia (m): aumenta il valore.

Entità modifica per passo: 0,17 mm

4. Eseguire una copia di prova

5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento.

<Valore di riferimento>

Scostamento verticale della linea (2) compreso fra $\pm 2,5$ mm

3. 調整設定値。

在前端定时偏快时 复印样本 (1) : 调低设定值

在前端定时偏慢时 复印样本 (m) : 调高设定值

设定值的一个调整单位变化量 : 0.17mm

4. 进行测试复印。

5. 重复上述步骤 2 到 4, 直至复印样本上的线 (2) 的偏移值达到标准值范围内。

<标准值>

线 (2) 的上下偏移值 : ± 2.5 mm 以内

3. 설정치를 조정합니다.

선단 타이밍이 빠른 경우 샘플 카피 (l): 설정치를 내립니다.

선단 타이밍이 늦은 경우 샘플 카피 (m): 설정치를 올립니다.

1 스텝당 변화량: 0.17mm

4. 테스트 카피를 합니다.

5. 샘플 카피 선 (2) 의 차이가 기준치내가 될 때까지 2 ~ 4 를 반복합니다.

<기준치>

선 (2) 의 상하차이: ± 2.5 mm 이내

3. 設定値を調整する。

先端タイミングが早い場合コピーサンプル (1): 設定値を下げる。

先端タイミングが遅い場合コピーサンプル (m): 設定値を上げる。

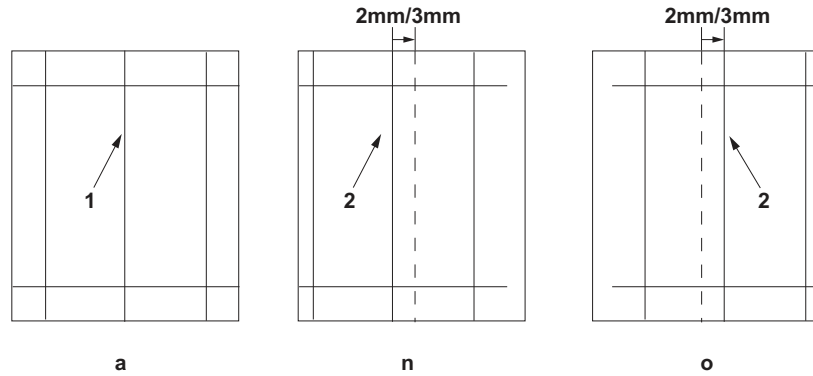
1 ステップ当たりの変化量: 0.17mm

4. テストコピーを行う。

5. コピーサンプルの線 (2) のずれが基準値内になるまで手順 2 ~ 4 を繰り返す。

<基準値>

線 (2) の上下ずれ: ± 2.5 mm 以内



[Checking the center line]

1. Check the gap between center line (1) on original (a) and center line (2) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.
<Reference value>
Horizontal difference of center line (2) for the single copying: ± 2.0 mm
Horizontal difference of center line (2) for the duplex copying: ± 3.0 mm

2. Use the maintenance mode U072 to adjust the timing.

Front: Adjusts the center line (surface)
Back: Adjusts the center line (rear side)
CIS: Adjusts the CIS center line (DP-772)

[Vérification de la ligne médiane]

1. Vérifier l'écart entre l'axe (1) de l'original (a) et l'axe (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.
<Valeur de référence>
Différence horizontale de l'axe (2) pour la copie recto : $\pm 2,0$ mm
Différence horizontale de l'axe (2) pour la copie recto-verso : $\pm 3,0$ mm

2. Pour régler la ligne médiane, utiliser le mode entretien U072.

Front: Permet de régler l'axe (surface)
Back: Permet de régler l'axe (arrière)
CIS: Permet de régler l'axe du CIS (DP-772)

[Verificación de la línea central]

1. Compruebe la separación entre la línea de centro (1) del original (a) y la línea de centro (2) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.
<Valor de referencia>
Diferencia horizontal de la línea de centro (2) para el copiado por una cara: $\pm 2,0$ mm

Diferencia horizontal de la línea de centro (2) para el copiado dúplex: $\pm 3,0$ mm

2. Para ajustar la línea central utilice el modo de mantenimiento U072.

Front: ajusta la línea central (anverso).
Back: ajusta la línea central (reverso).
CIS: ajusta la línea central CIS (DP-772)

[Überprüfen der Mittellinie]

1. Den Abstand zwischen der Mittellinie (1) des Originals (a) und der Mittellinie (2) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.
<Bezugswert>
Horizontaler Unterschied der Mittellinie (2) für die Einzelkopie: $\pm 2,0$ mm
Horizontaler Unterschied der Mittellinie (2) für die Duplexkopie: $\pm 3,0$ mm

2. Zum Einstellen der Mittellinie den Wartungsmodus U072 verwenden.

Front: Zur Einstellung der Mittellinie (Oberfläche)
Back: Zur Einstellung der Mittellinie (Rückseite)
CIS: Zur Einstellung der CIS-Mittellinie (DP-772)

[Controllo della linea centrale]

1. Verificare lo scostamento fra la linea centrale (1) sull'originale (a) e la linea centrale (2) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.
<Valore di riferimento>
Differenza orizzontale della linea centrale (2) per la copia singola: $\pm 2,0$ mm
Differenza orizzontale della linea centrale (2) per la copia duplex: $\pm 3,0$ mm

2. Usare la modalità di manutenzione U072 per regolare la linea centrale.

Front: Regola la linea centrale (superficie)
Back: Regola la linea centrale (lato posteriore)
CIS: Regola la linea centrale CIS (DP-772)

[确认中心线]

1. 确认原稿 (a) 中心线 (1) 和复印样本中心线 (2) 之间的偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整。
<标准值> 单面复印时, 中心线 (2) 的左右偏移值: ± 2.0 mm 以内
双面复印时, 中心线 (2) 的左右偏移值: ± 3.0 mm 以内

2. 使用维修模式 U072 调整中心线。

Front: 中心位置 (正面) 的调整
Back: 中心位置 (反面) 的调整
CIS: CIS 的中心位置的调整 (DP-772)

[센터 라인 확인]

1. 원고 (a) 센터라인 (1) 과 샘플 카피 센터라인 (2) 의 차이를 확인합니다 . 차이가 기준치 외의 경우 다음 순서로 조정합니다 .
<기준치> 단면의 경우 센터라인 (2) 의 좌우차이: ± 2.0 mm 이내
양면의 경우 센터라인 (2) 의 좌우차이: ± 3.0 mm 이내

2. 메인テナンス 모드 U072 을 세트하고 조정을 합니다 .

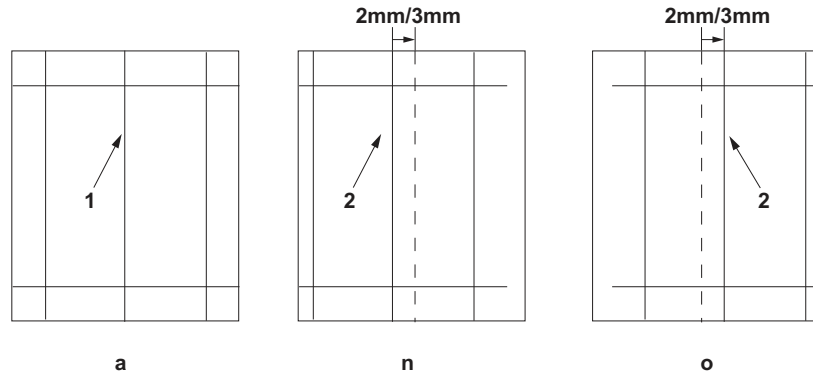
Front: 센터 위치 (표면) 의 조정
Back: 센터 위치 (뒷면) 의 조정
CIS: CIS 의 센터 위치조정 (DP-772)

[センターライン確認]

1. 原稿 (a) の中心線 (1) とコピーサンプルの中心線 (2) のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。
<基準値> 片面の場合、中心線 (2) の左右ずれ: ± 2.0 mm 以内
両面の場合、中心線 (2) の左右ずれ: ± 3.0 mm 以内

2. メンテナンスモード U072 をセットし、調整を行う。

Front: センター位置 (表面) の調整
Back: センター位置 (裏面) の調整
CIS: CIS のセンター位置の調整 (DP-772)



3. Adjust the values.

If the center moves more front, copy example (n): Increases the value.
 If the center moves inner, copy sample (o): Decreases the value.
 Amount of change per step: 0.085 mm

4. Perform a test copy.

5. Repeat the steps 2 to 4 above until the gap of line (2) of copy example shows the reference value.

<Reference value>

Horizontal difference of center line (2) for the single copying: ± 2.0 mm

Horizontal difference of center line (2) for the duplex copying: ± 3.0 mm

3. Régler les valeurs.

Pour l'exemple de copie (n) dont l'axe se déplace davantage vers l'avant : augmenter la valeur.

Pour l'exemple de copie (o) dont l'axe se déplace vers l'intérieur : diminuer la valeur.

Changement par graduation d'échelle : 0,085 mm

4. Effectuer une copie de test.

5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique la valeur de référence.

<Valeur de référence>

Différence horizontale de l'axe (2) pour la copie recto : $\pm 2,0$ mm

Différence horizontale de l'axe (2) pour la copie recto-verso : $\pm 3,0$ mm

3. Ajuste los valores.

Si el centro se desplaza más hacia el frente, ejemplo de copia (n): aumenta el valor.

Si el centro se desplaza hacia dentro, ejemplo de copia (o): disminuye el valor.

Magnitud del cambio por incremento: 0,085 mm

4. Haga una copia de prueba.

5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) del ejemplo de copia presente el valor de referencia.

<Valor de referencia>

Diferencia horizontal de la línea de centro (2) para el copiado por una cara: $\pm 2,0$ mm

Diferencia horizontal de la línea de centro (2) para el copiado dúplex: $\pm 3,0$ mm

3. Die Werte einstellen.

Wenn die Mitte nach vorne verlagert ist, Kopierbeispiel (n): Den Wert erhöhen.

Wenn die Mitte nach innen verlagert ist, Kopierbeispiel (o): Den Wert verringern.

Änderung pro Schritt: 0,085 mm

4. Eine Testkopie erstellen.

5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels den Bezugswert aufweist.

<Bezugswert>

Horizontaler Unterschied der Mittellinie (2) für die Einzelkopie: $\pm 2,0$ mm

Horizontaler Unterschied der Mittellinie (2) für die Duplexkopie: $\pm 3,0$ mm

3. Regolare i valori.

Se il centro si sposta più avanti, esempio di copia (n): aumenta il valore.

Se il centro si sposta verso l'interno, esempio di copia (o): riduce il valore.

Entità modifica per passo: 0,085 mm

4. Eseguire una copia di prova

5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento.

<Valore di riferimento>

Differenza orizzontale della linea centrale (2) per la copia singola: $\pm 2,0$ mm

Differenza orizzontale della linea centrale (2) per la copia duplex: $\pm 3,0$ mm

3. 調整設定値。

当中心向前偏移时 复印样本 (n) : 调高设定值

当中心向内偏移时 复印样本 (o) : 调低设定值

设定值的一个调整单位变化量 : 0.085mm

4. 进行测试复印。

5. 重复上述步骤 2 到 4, 直至复印样本上的线 (2) 的偏移值达到标准值范围内。

<标准值>

单面复印时, 中心线 (2) 的左右偏移值 : ± 2.0 mm 以内

双面复印时, 中心线 (2) 的左右偏移值 : ± 3.0 mm 以内

3. 설정치를 조정합니다 .

센터가 바로 앞으로 틀려 있는 경우 샘플 카피 (n) : 설정치를 높입니다 .

센터가 안으로 틀려 있는 경우 샘플 카피 (o) : 설정치를 내립니다 .

1 스텝당 변화량 : 0.085mm

4. 테스트 카피를 합니다 .

5. 샘플 카피 센터라인 (2) 차이가 기준치 내가 될 때까지 순서 2 ~ 4 를 반복합니다 .

< 기준치 >

단면의 경우 센터라인 (2) 의 좌우차이 : ± 2.0 mm 이내

양면의 경우 센터라인 (2) 의 좌우차이 : ± 3.0 mm 이내

3. 設定値を調整する。

センターが手前にずれている場合コピーサンプル (n) : 設定値を上げる。

センターが奥にずれている場合コピーサンプル (o) 設定値を下げる。

1 ステップ当たりの変化量 : 0.085mm

4. テストコピーを行う。

5. コピーサンプルの中心線 (2) ずれが基準値内になるまで手順 2 ~ 4 を繰り返す。

<基準値>

片面の場合、中心線 (2) の左右ずれ : ± 2.0 mm 以内

両面の場合、中心線 (2) の左右ずれ : ± 3.0 mm 以内

DP-773 (Document processor)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

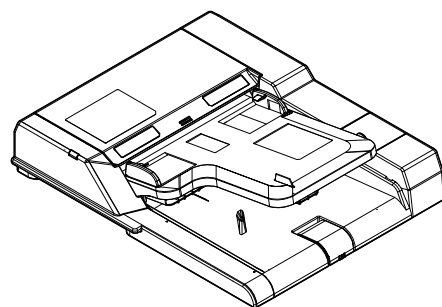
GUIDA ALL'INSTALLAZIONE

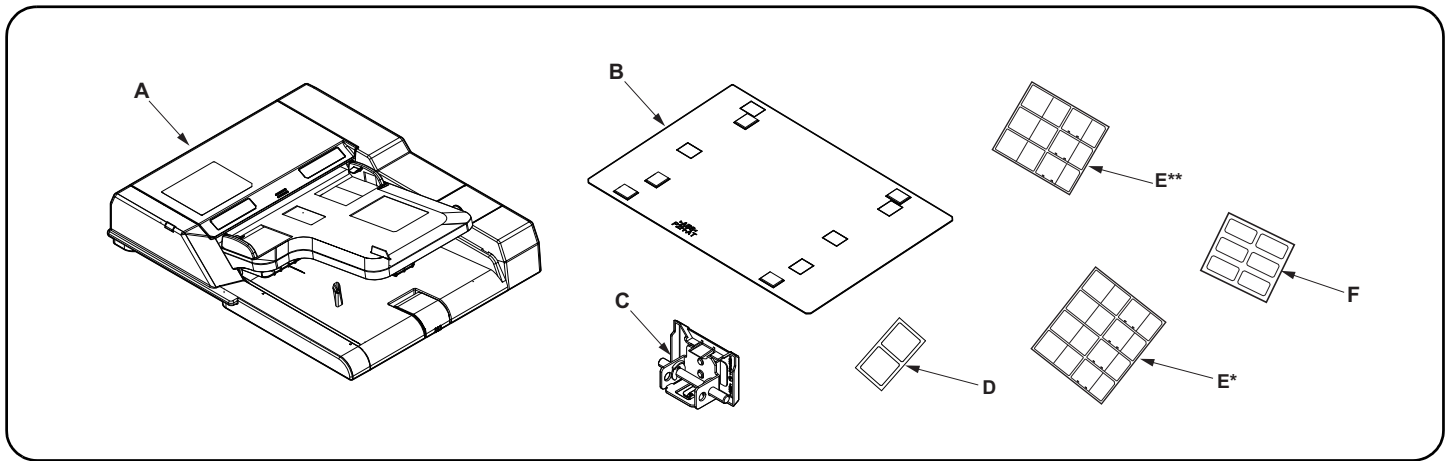
安装手册

설치안내서

設置手順書

DP-773





English

Supplied parts

- A. DP 1
- B. Original mat 1
- C. Angle control fitting 1
- D. Seal 1

- E. Label "Operation procedure" 1
*: for metric specification
**: for inch specification
- F. Caution label "Original face up!" 1

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Français

Pièces fournies

- A. DP 1
- B. Plaque d'original 1
- C. Fixation d'angle 1
- D. Joint 1

- E. Étiquette relative à la procédure d'utilisation. 1
*: pour des spécifications métriques
**: pour des spécifications anglo-saxonnes
- F. Étiquette d'avertissement relative à l'orientation vers le haut de la face de l'original 1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Español

Partes suministradas

- A. DP 1
- B. Alfombrilla para originales 1
- C. Herraje de control de ángulo 1
- D. Precinto 1

- E. Etiqueta "Procedimiento operativo" 1
*: para especificaciones en el sistema métrico
**: para especificaciones en el sistema de pulgadas
- F. Etiqueta de precaución "Original cara arriba" 1

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

Deutsch

Enthaltene Teile

- A. DP 1
- B. Originalmatte 1
- C. Winkelbegrenzung 1
- D. Dichtung 1

- E. Schild "Funktionsanweisung" 1
*: für metrische Angaben
**: für Angaben in Zoll
- F. Warnschild "Originalschriftseite nach oben" ... 1

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

Italiano

Parti fornite

- A. DP 1
- B. Tappetino originale 1
- C. Accessorio di controllo angolo 1
- D. Sigillo 1

- E. Etichetta "Procedura di funzionamento" ... 1
*: per specifiche in unità del sistema metrico
**: per specifiche in pollici
- F. Etichetta di avvertimento "Originale rivolto verso l'alto!" 1

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

简体中文

附属品

- A. DP 1
- B. 原稿垫 1
- C. 角度限制工具 1
- D. 标贴 1

(E) 和 (F) 并非附属品。

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

한국어

동봉품

- A. DP 1
- B. 원고매트 1
- C. 각도 고정쇠 1
- D. 스티 1

(E) (F) 는 동봉되어 있지 않습니다 .

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오 .

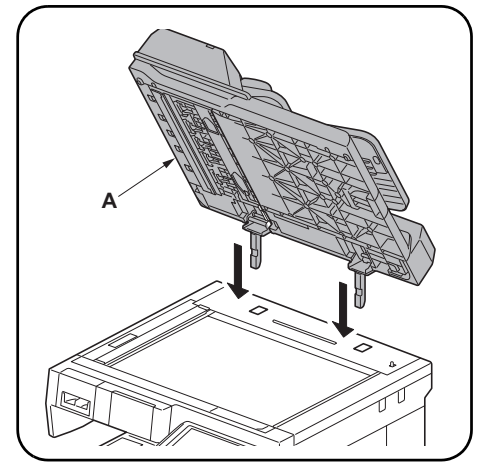
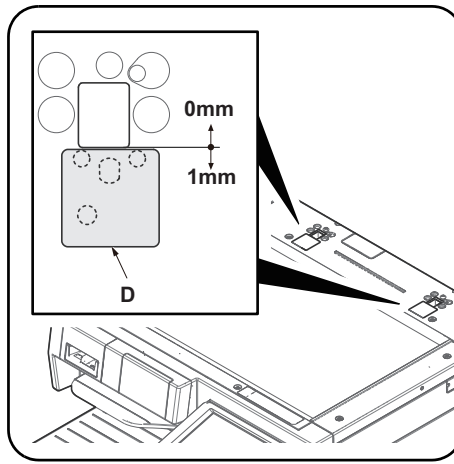
日本語

同梱品

- A. DP 1
- B. 原稿マット 1
- C. 角度規制金具 1
- D. シール 1

(E) (F) は、同梱されていない。

同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。



Procedure

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

Attaching the seals

1. After cleaning with alcohol, attach the seals (D) so that they cover the holes at the point as shown above.

Install the DP.

2. Insert DP (A) in the MFP.

Procédure

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

Montage des joints

1. Après le nettoyage à l'alcool, montez les joints (D) de sorte qu'ils recouvrent les trous aux points indiqués ci-dessus.

Installer le DP.

2. Insérer le DP (A) dans le MFP.

Procedimiento

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

Pegado de los precintos

1. Después de limpiar la superficie con alcohol, pegue los precintos (D) de modo que cubran los orificios situados en el punto que se muestra arriba.

Instale el DP.

2. Inserte el DP (A) en el MFP.

Vorgehensweise

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

Dichtungen anbringen

1. Nachdem Sie die Bereiche mit Alkohol gereinigt haben, bringen Sie die Dichtungen (D) so an, dass sie die Löcher an dem Punkt wie oben gezeigt abdecken.

Installieren des DP.

2. DP (A) in den MFP einsetzen.

Procedura

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

Applicazione dei sigilli

1. Dopo aver pulito l'area con alcol, applicare i sigilli (D) in modo da coprire i fori nei punti sopra indicati.

Montaggio del DP.

2. Inserire il DP (A) nell'MFP.

安装步骤

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

贴上标贴

1. 酒精清洁后，把标贴 (D) 粘贴到盖住孔的图示位置。

安装 DP

2. 将 DP (A) 插入到机器本体中。

설치순서

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오.

씰 부착

1. 알코올을 사용하여 청소 후, 그림 속 위치에 구멍을 막는듯이 씰 (D) 을 부착합니다.

DP 부착

2. MFP 에 DP(A) 를 삽입합니다.

取付手順

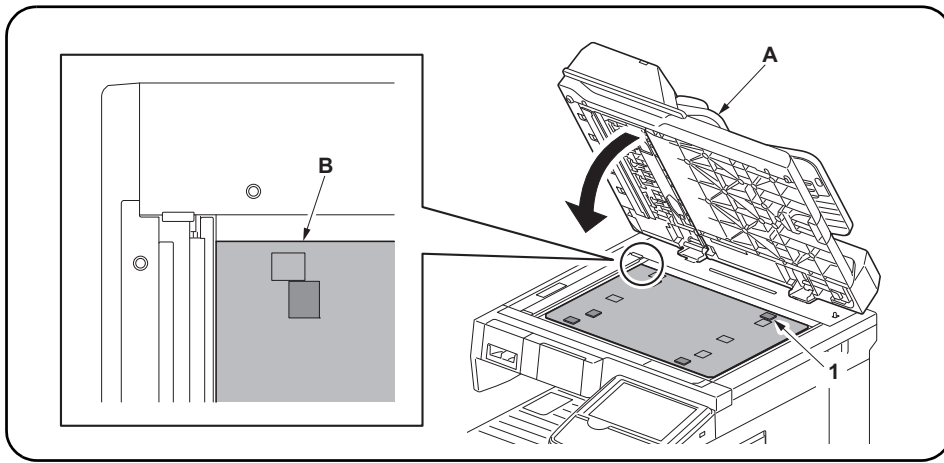
必ず機械本体の主電源スイッチをOFFにし、機械本体の電源プラグを抜いてから作業すること。

シールの貼り付け

1. アルコール清掃後、穴を塞ぐようにイラストの位置にあわせて、シール (D) を貼り付ける。

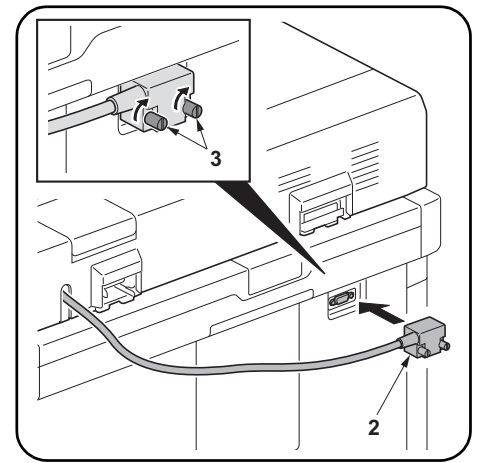
DP の取り付け

2. DP (A) を MFP に差し込む。



Fasten the original mat.

- Place original mat (B) with its Velcro (1) facing up over the contact glass.
Align original mat (B) corner that has 90 degrees of angle with the inner left corner of the original instruction panel.
- Close DP (A) and attach original mat (B) onto it with Velcro.



Connect the signal lines.

- Connect signal line (2) of DP (A) to the MFP and turn fixing knobs (3) at the both sides of the connector clockwise to secure the line.

Fixer la plaque d'original.

- Placer la plaque d'original (B) sur la vitre d'exposition, en orientant les bandes Velcro (1) vers le haut.
Aligner le coin du plateau d'original (B) faisant un angle de 90 degrés avec le coin gauche interne du panneau d'instructions d'original.
- Abaisser le DP (A) et y fixer la plaque d'original (B) à l'aide des bandes Velcro.

Connecter les circuits de transmission.

- Connecter le circuit de transmission (2) du DP (A) au MFP et tourner les boutons de fixation (3) de chaque côté du connecteur dans le sens des aiguilles d'une montre pour fixer le circuit.

Fije la alfombrilla para originales.

- Coloque la alfombrilla para originales (B) con el velcro (1) mirando hacia arriba sobre el cristal de contacto.
Alinee la esquina que tiene un ángulo de 90 grados de la alfombrilla para originales (B) con la esquina interior izquierda del panel de instrucciones para el original.
- Cierre el DP (A) y fije la alfombrilla para originales (B) con el velcro.

Conecte las líneas de señal.

- Conecte la línea de señal (2) del DP (A) al MFP y gire los pomos de fijación (3) de ambos lados del conector en sentido horario para asegurar la línea.

Befestigen der Originalmatte.

- Die Originalmatte (B) mit dem Klettband (1) nach oben über das Kontaktglas legen.
Die Ecke der Originalmatte (B), die einen 90-Grad-Winkel aufweist, mit der linken, inneren Kante des Originalbedienfeldes ausrichten.
- Den DP (A) schließen und die Originalmatte (B) mit dem Klettband auf ihm befestigen.

Anschließen der Signalleitungen.

- Die Signalleitung (2) des DP (A) am MFP anschließen und die Befestigungshandräder (3) an beiden Seiten des Anschlusses nach rechts drehen, um die Leitung zu befestigen.

Fissaggio del tappetino originale.

- Posizionare il tappetino originale (B) con il velcro (1) rivolto verso l'alto sul vetro di appoggio.
Allineare l'angolo di 90 gradi del coprioriginale (B) con l'angolo interno sinistro del pannello di controllo originale.
- Chiudere il DP (A) e applicarvi il tappetino originale (B) con il velcro.

Connessione delle linee dei segnali.

- Connettere la linea del segnale (2) del DP (A) all'MFP e ruotare le rotelle di fissaggio (3) su entrambi i lati del connettore in senso orario, fissando così la linea.

粘貼原稿墊。

- 將原稿墊 (B) 放置在稿台玻璃上，并使魔术貼 (1) 向上。
將原稿墊 (B) 的 90 度角對準原稿指示板的內部左角。
- 關閉 DP (A)，使原稿墊 (B) 粘貼到 DP 上。

连接信号线。

- 將 DP (A) 的信号线 (2) 连接到机器本体，把接插件两侧的固定旋钮 (3) 向右旋转来固定。

원고매트 부착

- 벨크로 (1) 를 위로 향하게 하고 원고매트 (B) 를 원고대 유리판에 놓습니다.
원고매트 (B) 는 90° 가 되어 있는 각을 벨크로의 좌측 안에 맞출 것 .
- DP 본체 (A) 를 내리고 원고매트 (B) 를 DP 본체 (A) 에 부착합니다 .

벨크로를 연결합니다 .

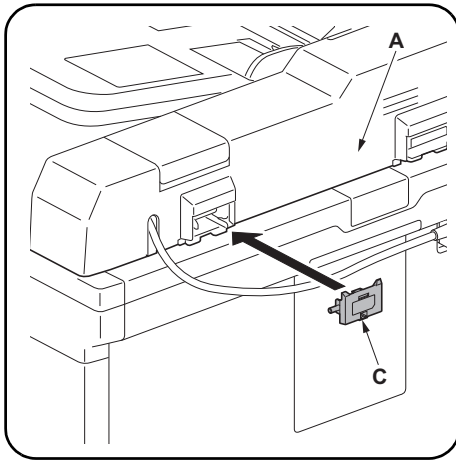
- DP(A) 의 벨크로 (2) 을 MFP 에 연결하고 커넥터 양쪽의 고정 노브 (3) 를 시계 방향으로 돌려 라인을 고정합니다 .

原稿マットの貼り付け

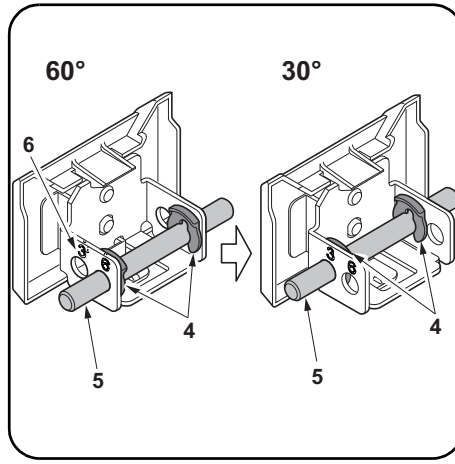
- 原稿マット (B) を、マジックテープ (1) を上に向けてコンタクトガラス上に置く。
原稿マット (B) は 90° になっている角を原稿指示板の左奥に合わせること。
- DP(A) を下ろし、原稿マット (B) を DP(A) に貼り付ける。

信号線の接続

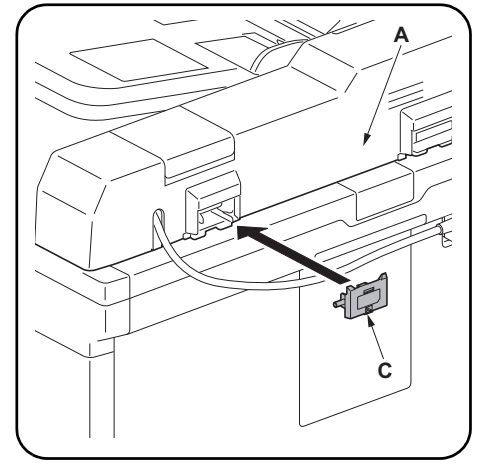
- DP(A) の信号線 (2) を MFP に接続し、コネクタ両側の固定つまみ (3) を右へ回し固定する。



Install the angle control fitting.
To adjust DP open-close angle 60 degrees
 6. Install angle control fitting (C) to DP (A).



To adjust DP open-close angle 30 degrees
 7. Remove two stop rings (4) and pull the shaft (5) out.
 8. Insert the shaft (5) into the holes (6) which are marked "3", and refit the two stop rings (4).



9. Install angle control fitting (C) to DP (A).

Installer la fixation d'angle.
Pour régler l'angle d'ouverture/de fermeture du DP de 60 degrés
 6. Installez la fixation d'angle (C) sur le DP (A).

Pour régler l'angle d'ouverture/de fermeture du DP de 30 degrés
 7. Retirez deux bagues d'arrêt (4) et tirez l'arbre (5) vers l'extérieur.
 8. Insérez l'axe (5) dans les trous (6) qui sont marqués "3" et remettez en place les deux bagues de butée (4).

9. Installez la fixation d'angle (C) sur le DP (A).

Instale el herraje de control de ángulo.
Para ajustar el DP, abra o cierre el ángulo 60 grados
 6. Instale el herraje de control de ángulo (C) en el DP (A).

Para ajustar el DP, abra o cierre el ángulo 30 grados
 7. Desmonte los dos aros de tope (4) y tire del eje (5) hacia fuera.
 8. Inserte el eje (5) en los orificios (6) marcados como "3" y vuelva a ajustar los dos anillos de retención (4).

9. Instale el herraje de control de ángulo (C) en el DP (A).

Installieren der Winkelbegrenzung.
Einstellen des Öffnungs-/Schließungswinkels des DP um 60 Grad
 6. Installieren Sie die Winkelbegrenzung (C) am DP (A).

Einstellen des Öffnungs-/Schließungswinkels des DP um 30 Grad
 7. Die zwei Sicherungsringe (4) entfernen, und die Achse (5) herausziehen.
 8. Setzen Sie die Achse (5) in die Löcher (6) ein, die mit "3" markiert sind, und bringen Sie die beiden Klemmringe (4) an.

9. Installieren Sie die Winkelbegrenzung (C) am DP (A).

Montaggio dell'accessorio di controllo angolo.
Per regolare l'angolo di chiusura / apertura del DP a 60 gradi
 6. Installare l'accessorio di controllo angolo (C) sul DP (A).

Per regolare l'angolo di chiusura / apertura del DP a 30 gradi
 7. Rimuovere i due anelli di arresto (4) ed estrarre l'albero (5).
 8. Inserire l'albero (5) nei fori (6) contrassegnati con "3" e rimontare i due anelli di fermo (4).

9. Installare l'accessorio di controllo angolo (C) sul DP (A).

安装角度限制工具。
若要将 DP 的开关角度调整为 60 度
 6. 把角度限制工具 (C) 安装到 DP (A)。

若要将 DP 的开关角度调整为 30 度
 7. 拆下 2 个止动环 (4), 拔下轴 (5)。
 8. 将轴 (5) 插入到刻度 3 的孔 (6) 中, 再把 2 个限位环 (4) 安装到原来位置。

9. 把角度限制工具 (C) 安装到 DP (A)。

각도 고정쇠의 부착
DP 개폐각도를 60 도로 설정하는 경우
 6. 각도 고정쇠 (C) 을 DP(A) 에 설치합니다 .

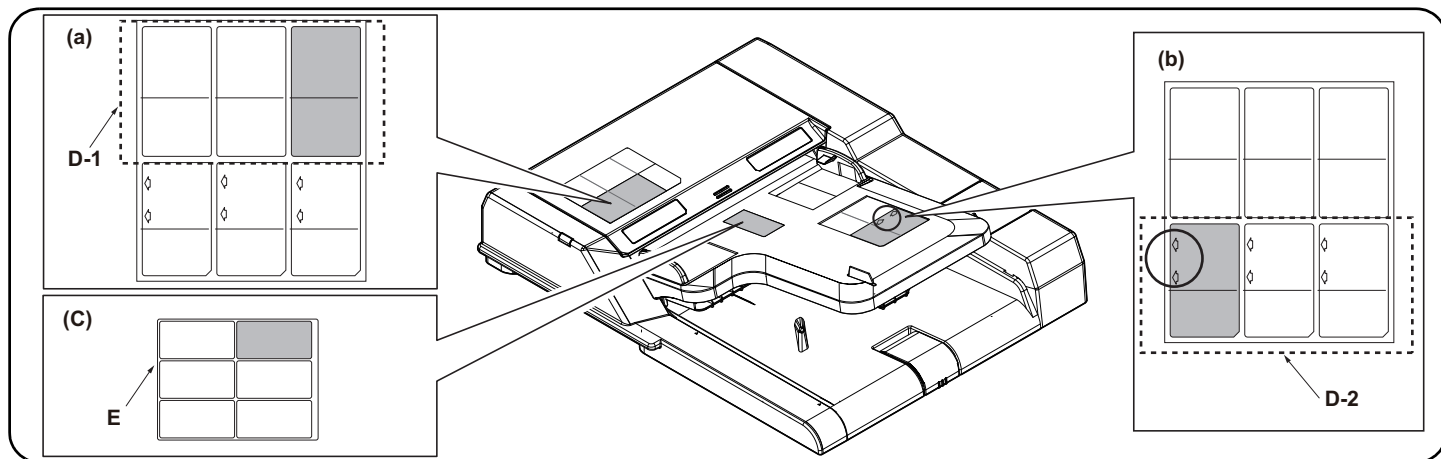
DP 개폐 각도를 30 도로 설정하는 경우
 7. 스톱 링 (4) 2 개를 제거하고 샤프트 (5) 를 빼냅니다 .
 8. 샤프트 (5) 를 "3" 이 표시된 구멍 (6) 에 삽입하고 스톱 링 (4) 을 복구 설치합니다 .

9. 각도 고정쇠 (C) 을 DP(A) 에 설치합니다 .

角度規制金具の取り付け
DP 開閉角度を 60 度に設定する場合
 6. 角度規制金具 (C) を DP(A) に取り付ける。

DP 開閉角度を 30 度に設定する場合
 7. ストップリング (4) 2 個を外し、軸 (5) を引き抜く。
 8. 軸 (5) を刻印 3 の穴 (6) に挿入し、ストップリング (4) 2 個を元通り取り付け。

9. 角度規制金具 (C) を DP(A) に取り付ける。



Adhere the label

10. Clean the label on the original table with alcohol.

11. Adhere Label "Operation procedure" (D-1)(D-2) of which the language corresponding to the destination of the MFP onto the existing label on the original table. Figure (a)(b)

12. Adhere Caution label "Original face up!" (E) of which the language corresponding to the destination of the MFP onto the label on the original table. Figure (c)

Coller l'étiquette relative

10. Avec de l'alcool, nettoyer l'étiquette se trouvant sur le plateau d'original.

11. Coller l'étiquette "Processus opératoire" (D-1)(D-2) dans la langue correspondant au destinataire du MFP sur l'étiquette existante sur le plateau d'original du DP. Figure (a)(b)

12. Coller l'étiquette de mise en garde "Original en haut!" (E) dans la langue correspondant au destinataire du MFP sur l'étiquette du plateau d'original. Figure (c)

Pegue la etiqueta

10. Limpie con alcohol la etiqueta de la cubierta de originales.

11. Adhiera la etiqueta "Procedimiento operativo" (D-1)(D-2) del idioma correspondiente al destino del MFP sobre la etiqueta que se encuentra sobre la cubierta de originales. Figura (a)(b)

12. Pegue la etiqueta de precaución "¡La cara del original hacia arriba!" (E), del idioma que corresponde al destino del MFP, sobre la etiqueta en la cubierta de originales. Figura (c)

Anbringen des Schildes

10. Das Schild auf dem Originalbedienfeld mit Alkohol reinigen.

11. Das Schild „Funktionsanweisung“ (D-1)(D-2) in der Sprache des jeweiligen Einsatzlandes des MFP auf das vorhandene Schild auf dem Originalbedienfeld aufkleben. Abbildung (a)(b)

12. Das Warnschild „Originalschriftseite nach oben!“ (E) in der Sprache des jeweiligen Einsatzlandes des MFP auf das vorhandene Schild auf dem Originalbedienfeld aufkleben. Abbildung (c)

Applicazione dell'etichetta

10. Pulire con alcool l'etichetta sul piano originale.

11. Far aderire l'etichetta "Procedura di funzionamento" (D-1)(D-2) corrispondente alla lingua di destinazione dell'MFP, sull'etichetta esistente sul piano originale. Figura (a)(b)

12. Far aderire l'etichetta di avvertenza "Originale rivolto verso l'alto!" (E) corrispondente alla lingua di destinazione dell'MFP, sull'etichetta del piano originale. Figura (c)

粘貼标签

10. 不需要本步骤。

11. 不需要本步骤。

12. 不需要本步骤。

라벨 부착

10. 이 단계가 필요하지 않습니다 .

11. 이 단계가 필요하지 않습니다 .

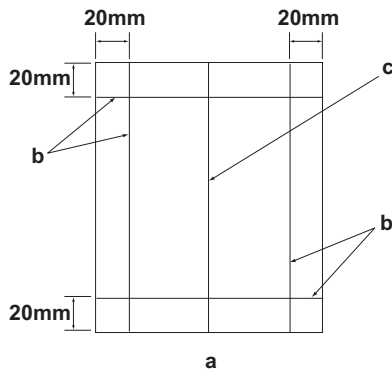
12. 이 단계가 필요하지 않습니다 .

ラベルの貼り付け

10. この作業は不要。

11. この作業は不要。

12. この作業は不要。



[Operation check]

1. To check the machine operation, prepare original (a) where 4 lines (b) are drawn 20 mm from the edges of the A3 sheet and 1 line (c) is drawn at its center.
2. Connect the power plug of the MFP into the wall outlet and turn the main power switch on.
3. Set the original (a) on the DP and perform a test copy to check the operation and the copy example.

[Vérification du fonctionnement]

1. Pour vérifier le bon fonctionnement de l'appareil, préparer un original (a) sur lequel sont tracées 4 lignes (b) à 20 mm des bords de la feuille A3 et 1 ligne (c) en son axe.
2. Brancher la fiche d'alimentation du MFP sur la prise murale et mettre l'appareil sous tension.
3. Placer l'original (a) sur le DP et effectuer une copie de test pour vérifier le fonctionnement et l'exemple de copie.

[Verifique el funcionamiento]

1. Para comprobar el funcionamiento del aparato, prepare un original (a) que contenga 4 líneas (b) dibujadas a 20 mm de los bordes de la hoja A3 y 1 línea (c) dibujada en el centro.
2. Conecte el enchufe eléctrico del MFP en el tomacorriente de la pared y encienda el interruptor principal.
3. Coloque el original (a) en el DP y haga una copia de prueba para verificar el funcionamiento y el ejemplo de copia.

[Funktionsprüfung]

1. Zum Prüfen der Gerätefunktion das Original (a) vorbereiten, auf das 4 Linien (b) 20 mm von den Kanten des A3-Blattes und 1 Linie (c) in der Mitte gezeichnet sind.
2. Den Netzstecker am MFP in die Steckdose stecken und den Strom einschalten.
3. Das Original (a) auf den DP legen und eine Testkopie erstellen, um die Funktion und das Kopierbeispiel zu prüfen.

[Verifica del funzionamento]

1. Per verificare il funzionamento della macchina, preparare l'originale (a) tirando 4 linee (b) a 20 mm dai bordi del foglio A3 e una linea (c) al centro.
2. Inserire la spina dell'alimentazione dell'MFP nella presa a muro, quindi posizionare l'interruttore principale su On.
3. Posizionare l'originale(a) sul DP ed eseguire una copia di prova per verificare il funzionamento e l'esempio di copia.

[動作確認]

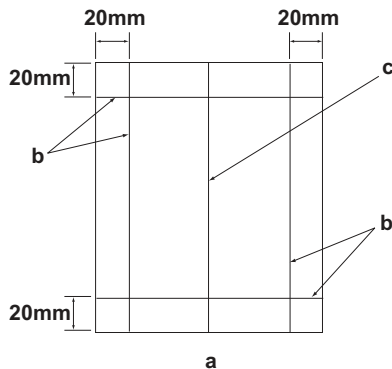
1. 若要检查机器动作, 准备一张 A3 原稿 (a), 距纸张边缘 20mm 画出 4 条线 (b) 并且在原稿中心画出 1 条线 (c)。
2. 将 MFP 的电源插头插入墙壁插座并打开主电源。
3. 在 DP 上设定原稿 (a) 并进行测试复印, 确认机器动作和复印样本。

[동작확인]

1. A3 크기용지의 끝에서 20mm 의 위치에 선 (b) 4 개와 용지 중심에 선 (c) 1 개를 긋고 동작확인용 원고 (a) 를 준비합니다 .
2. MFP 본체의 전원 플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 합니다 .
3. 원고 (a) 를 DP 본체에 장착하고 벨크로를 합니다 . 동작 및 벨크로를 확인합니다 .

[動作確認]

1. A3 사이즈용紙の端から 20mm の位置に線 (b) 4 本と、用紙の中心に線 (c) 1 本を引いた、動作確認用の原稿 (a) を用意する。
2. MFP の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
3. 原稿 (a) を DP にセットし、テストコピーを行い、動作およびコピーサンプルを確認する。



4. Compare original (a) with the copy example. If the gap exceeds the reference value, perform the following adjustments according to the type of the gap.

Check images of the DP after checking and adjusting images of the MFP. For details, see the service manual.

NOTICE: If there is any image fogging, adjust the U068 DP scanning position. If you change the scanning position with U068, adjust the U071 DP leading edge timing.

4. Comparer l'original (a) avec l'exemple de copie. Si l'écart excède la valeur de référence, effectuer les réglages suivants en fonction du type d'écart.

Vérifier les images du DP après avoir contrôlé et réglé les images du MFP. Pour plus de détails, se reporter au manuel d'entretien.

REMARQUE: Si l'image est floue, régler la position de balayage de U068 du DP. Si la position de balayage de U068 est modifiée, régler la synchronisation du bord d'attaque de U071.

4. Compare el original (a) con el ejemplo de copia. Si la separación supera el valor de referencia, realice los siguientes ajustes según el tipo de separación.

Compruebe las imágenes del DP después de comprobar y ajustar las imágenes del MFP. Para más detalles, lea el manual de servicio.

AVISO: Si la imagen estuviera borrosa, ajuste la posición de escaneo U068 del DP. Si cambia la posición de escaneo con U068, ajuste la sincronización de borde superior U071 del DP.

4. Das Original (a) mit dem Kopierbeispiel vergleichen. Wenn der Abstand größer als der Bezugswert ist, die folgenden Einstellungen gemäß dem Abstandstyp durchführen.

Die Bilder des DP nach dem Prüfen und Einstellen der Bilder des MFP prüfen. Weitere Einzelheiten siehe Wartungsanleitung.

ANMERKUNG: Falls das Bild verschwommen wirkt, ist die U068 DP Scan-Position zu verstellen. Wenn Sie die Scan-Position mit U068 verstellen, müssen Sie das U071 DP-Vorderkanten-Timing entsprechend verstellen.

4. Confrontare l'originale (a) con l'esempio di copia. Se lo scostamento supera il valore di riferimento, eseguire le seguenti regolazioni in funzione del tipo di scostamento.

Controllare le immagini del DP dopo avere effettuato i controlli e le regolazioni delle immagini sull'MFP. Per ulteriori dettagli leggere il manuale d'istruzioni.

AVVISO: Se è presente una qualsiasi sfocatura dell'immagine, regolare la posizione di scansione DP U068. Se si cambia la posizione di scansione con U068, regolare la sincronizzazione del bordo principale DP U071.

4. 对比复印样本和原稿(a), 如果偏移值在标准值以上时, 对偏移原稿进行调整。

对 MFP 的图像确认和调整后再对 DP 的图像进行确认。详细内容请参见维修手册。

(注意) 如果图像出现底灰, 用 U068 来调整 DP 的扫描位置。如果用 U068 更改了扫描位置, 则再用 U071 对 DP 的前端定时进行调整。

4. 원고 (a) 와 벨크로를 비교해 기준치 이상의 차이가 있는 경우 차이에 대해 조정을 합니다.

MFP 본체의 화상확인 및 조정을 하고나서 DP 본체의 화상확인을 할 것. 상세는 서비스 매뉴얼을 참조할 것.

(주의) 화상 카브리가 발생하는 경우, U068DP 스캔위치 조정을 합니다. U068 에서 스캔위치를 변경한 경우 U071DP 선단 타이밍 조정을 합니다.

4. 原稿 (a) とコピーサンプルを比較し、基準値以上のずれがある場合、ずれ方に応じて調整を行う。

MFP の画像確認及び調整を行ってから DP の画像確認を行うこと。詳細はサービスマニュアルを参照のこと。

(注意) 画像カブリが発生する場合、U068 DP 読み取り位置の調整を行う。U068 で読み取り位置を変更した場合、U071 DP 先端タイミング調整を行う。

Be sure to adjust in the following order. If not, the adjustment cannot be performed correctly.

For checking the angle of leading edge, see page 10. <Reference value> Simplex copying: within ± 3.0 mm; Duplex copying: within ± 4.0 mm

For checking the angle of trailing edge, see page 13. <Reference value> Simplex copying: within ± 3.0 mm; Duplex copying: within ± 4.0 mm

When using the original for adjustment, automatic adjustment of magnification, leading edge timing and center line can be performed at a time.

For the automatic adjustment using the original for adjustment, see page 17.

Veillez à effectuer le réglage en procédant dans l'ordre suivant. Sinon, il sera impossible d'obtenir un réglage correct.

Pour vérifier l'angle du bord avant, reportez-vous à la page 10. <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.; copie recto verso: $\pm 4,0$ mm max.

Pour vérifier l'angle du bord arrière, reportez-vous à la page 13. <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.; copie recto verso: $\pm 4,0$ mm max.

Lorsque vous utilisez l'original pour effectuer le réglage, vous pouvez effectuer automatiquement le réglage de l'agrandissement, de la synchronisation du bord avant et de la ligne médiane en une seule fois.

Pour le réglage automatique en utilisant l'original pour effectuer le réglage, reportez-vous à la page 17.

Asegúrese de ajustar en el siguiente orden. De lo contrario, el ajuste no puede hacerse correctamente.

Para verificar el ángulo del borde superior, vea la página 10. <Valor de referencia> Copia simple: dentro de $\pm 3,0$ mm; Copia duplex: dentro de $\pm 4,0$ mm

Para verificar el ángulo del borde inferior, vea la página 13. <Valor de referencia> Copia simple: dentro de $\pm 3,0$ mm; Copia duplex: dentro de $\pm 4,0$ mm

Cuando utilice el original para el ajuste, puede hacerse un ajuste automático del cambio de tamaño, sincronización del borde superior y línea central al mismo tiempo.

Para el ajuste automático utilizando el original para el ajuste, vea la página 17.

Die Einstellung in der folgenden Reihenfolge durchführen. Anderenfalls kann die Einstellung nicht korrekt durchgeführt werden.

Angaben zur Prüfung des Winkels der Vorderkante auf Seite 10. <Bezugswert> Simplexkopie: innerhalb $\pm 3,0$ mm; Duplexkopie: innerhalb $\pm 4,0$ mm

Angaben zur Prüfung des Winkels der Hinterkante auf Seite 13. <Bezugswert> Simplexkopie: innerhalb $\pm 3,0$ mm; Duplexkopie: innerhalb $\pm 4,0$ mm

Bei Verwendung des Originals für die Einstellung können die automatischen Einstellungen für Vergrößerung, Vorderkanten-Timing und Mittellinie gleichzeitig durchgeführt werden.

Angaben zur automatischen Einstellung mithilfe des Originals auf Seite 17.

Accertarsi di eseguire le regolazioni in questa sequenza: in caso contrario, la regolazione non può essere effettuata correttamente.

Per controllare l'angolo del bordo principale, vedere pagina 10. <Valore di riferimento> Copia simplex: entro $\pm 3,0$ mm; Copia duplex: entro $\pm 4,0$ mm

Per controllare l'angolo del bordo di uscita, vedere pagina 13. <Valore di riferimento> Copia simplex: entro $\pm 3,0$ mm; Copia duplex: entro $\pm 4,0$ mm

Quando si utilizza l'originale per la regolazione, la regolazione automatica dell'ingrandimento, della sincronizzazione del bordo principale e della linea centrale possono essere eseguiti contemporaneamente.

Per la regolazione automatica eseguita con l'originale, vedere pagina 17.

必须按照以下步骤进行调整, 否则不能达到准确调整的要求。

• 确认前端倾斜度 第 10 页 <标准值> 单面: ± 3.0 mm 以内, 双面: ± 4.0 mm 以内

• 确认后端倾斜度 第 13 页 <标准值> 单面: ± 3.0 mm 以内, 双面: ± 4.0 mm 以内

使用调整用的原稿时, 可以同时自动进行等倍值, 前端定时以及中心线的调整。

• 通过调整用原稿进行自动调整 第 17 页

반드시 하기의 순서로 조정을 할 것. 순서대로 조정을 하지 않는 경우 바른 조정을 할 수 없습니다.

• 선단경사확인 10 페이지 <기준치> 단면: ± 3.0 mm 이내, 양면: ± 4.0 mm 이내

• 후단경사확인 13 페이지 <기준치> 단면: ± 3.0 mm 이내, 양면: ± 4.0 mm 이내

조정용 원고를 사용하면 등배도 조정, 선단타이밍 조정, 센터 라인 조정의 자동조정이 한번에 수행됩니다.

• 조정용 원고에 의한 자동조정 17 페이지

必ず下記の順序で調整を行うこと。順序通りに調整を行わない場合、正しい調整ができない。

• 先端斜め確認 10 ページ <基準値> 片面: ± 3.0 mm 以内、両面: ± 4.0 mm 以内

• 後端斜め確認 13 ページ <基準値> 片面: ± 3.0 mm 以内、両面: ± 4.0 mm 以内

調整用原稿を使用すると、等倍度調整、先端タイミング調整、センターライン調整の自動調整が一度におこなえる。

• 調整用原稿による自動調整 17 ページ

For checking the magnification, see page 19. <Reference value> Within $\pm 1.5\%$
For checking the leading edge timing, see page 21. <Reference value> Within ± 2.5 mm
For checking the center line, see page 23. <Reference value> Simplex copying: within ± 2.0 mm; Duplex copying: within ± 3.0 mm

Pour vérifier l'agrandissement, reportez-vous à la page 19. <Valeur de référence> $\pm 1,5\%$ max.
Pour vérifier la synchronisation du bord avant, reportez-vous à la page 21. <Valeur de référence> $\pm 2,5$ mm max.
Pour vérifier la ligne médiane, reportez-vous à la page 23. <Valeur de référence> Copie recto seul: $\pm 2,0$ mm max.;
Copie recto verso: $\pm 3,0$ mm max.

Para verificar el cambio de tamaño, vea la página 19. <Valor de referencia> Dentro de $\pm 1,5\%$
Para verificar la sincronización del borde inferior, vea la página 21. <Valor de referencia> Dentro de $\pm 2,5$ mm
Para verificar la línea central, vea la página 23. <Valor de referencia> Copia simple: dentro de $\pm 2,0$ mm;
Copia duplex: dentro de $\pm 3,0$ mm

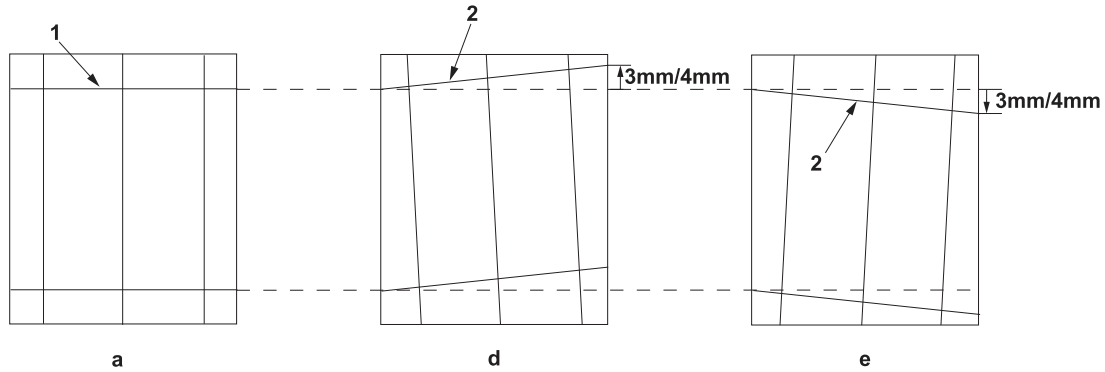
Angaben zur Prüfung der Vergrößerung auf Seite 19. <Bezugswert> Innerhalb $\pm 1,5\%$
Angaben zur Prüfung des Vorderkanten-Timings auf Seite 21. <Bezugswert> Innerhalb $\pm 2,5$ mm
Angaben zur Prüfung der Mittellinie auf Seite 23. <Bezugswert> Simplexkopie: innerhalb $\pm 2,0$ mm; Duplexkopie: innerhalb $\pm 3,0$ mm

Per controllare l'ingrandimento, vedere pagina 19. <Valore di riferimento> Entro $\pm 1,5\%$
Per controllare la sincronizzazione del bordo principale, vedere pagina 21. <Valore di riferimento> Entro $\pm 2,5$ mm
Per controllare la linea centrale, vedere pagina 23. <Valore di riferimento> Copia simplex: entro $\pm 2,0$ mm;
Copia duplex: entro $\pm 3,0$ mm

• 确认等倍值 第 19 页 <标准值> $\pm 1.5\%$ 以内
• 确认前端定时调整 第 21 页 <标准值> ± 2.5 mm 以内
• 确认中心线 第 23 页 <标准值> 单面: ± 2.0 mm 以内, 双面: ± 3.0 mm 以内

• 등배도 확인 19 페이지 <기준치> $\pm 1.5\%$ 이내
• 선단 타이밍 확인 21 페이지 <기준치> ± 2.5 mm 이내
• 센터 라인 확인 23 페이지 <기준치> 단면: ± 2.0 mm 이내, 양면: ± 3.0 mm 이내

• 等倍度確認 19 ページ <基準値> $\pm 1.5\%$ 以内
• 先端タイミング確認 21 ページ <基準値> ± 2.5 mm 以内
• センターライン確認 23 ページ <基準値> 片面: ± 2.0 mm 以内、両面: ± 3.0 mm 以内



[Checking the angle of leading edge]

1. Check the horizontal gap between line (1) of original (a) and line (2) of copy example positions. If the gap exceeds the reference value, adjust the gap according to the following procedure.

<Reference value> For single copying: The horizontal gap of line (2) should be within ± 3.0 mm.

For duplex copying: The horizontal gap of line (2) should be within ± 4.0 mm.

[Vérification de l'angle du bord avant]

1. Vérifier l'écart horizontal entre la position de la ligne (1) de l'original (a) et celle de la ligne (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.

<Valeur de référence> Pour la copie recto : l'écart horizontal de la ligne (2) doit être de $\pm 3,0$ mm.

Pour la copie recto-verso : l'écart horizontal de la ligne (2) doit être de $\pm 4,0$ mm.

[Verificación del ángulo del borde superior]

1. Compruebe la separación horizontal entre la línea (1) del original (a) y la línea (2) de las posiciones del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.

<Valor de referencia> Para el copiado por una cara: la separación horizontal de la línea (2) debe estar dentro de $\pm 3,0$ mm.

Para el copiado dúplex: la separación horizontal de la línea (2) debe estar dentro de $\pm 4,0$ mm.

[Überprüfen des Winkels der Vorderkante]

1. Den horizontalen Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) der Kopierbeispielspositionen prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.

<Bezugswert> Einzelkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 3,0$ mm liegen.

Duplexkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 4,0$ mm liegen.

[Controllo dell'angolo del bordo principale]

1. Verificare lo scostamento orizzontale fra la linea (1) dell'originale (a) e la linea (2) delle posizioni dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.

<Valore di riferimento> Per la copia singola: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 3,0$ mm.

Per la copia duplex: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 4,0$ mm.

[确认前端倾斜度]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 的左右偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整

<标准值> 单面复印时, 线 (2) 的左右偏移值: ± 3.0 mm 以内。

双面复印时, 线 (2) 的左右偏移值: ± 4.0 mm 以内。

[선단 경사확인]

1. 원고 (a) 의 선 (1) 과 벨크로의 선 (2) 의 좌우 차이를 확인합니다. 차이가 기준치 외의 경우 다음의 순서대로 조정을 합니다.

<기준치> 단면의 경우 선 (2) 의 좌우차이: ± 3.0 mm 이내

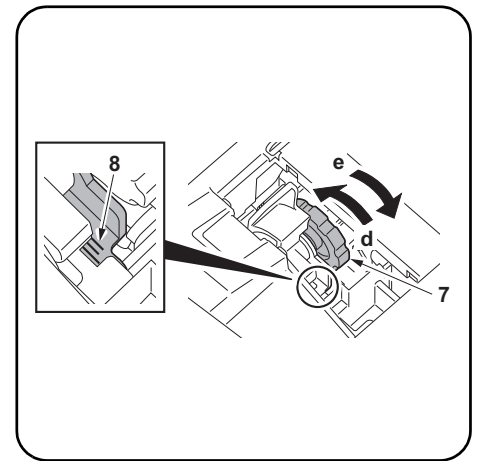
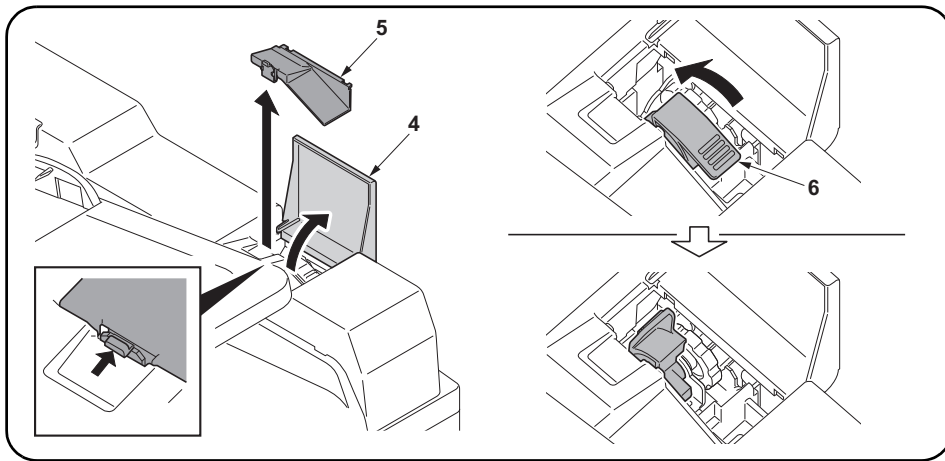
양면의 경우 선 (2) 의 좌우차이: ± 4.0 mm 이내

[先端斜め確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) の左右のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。

<基準値> 片面の場合、線 (2) の左右ずれ: ± 3.0 mm 以内

両面の場合、線 (2) の左右ずれ: ± 4.0 mm 以内



2. Open the DP cover (4).
3. Remove the inner cover (5).
4. Lift up the lever (6).
In case of copy sample (d): Turn the dial (7) towards the direction of the arrow d.
In case of copy sample (e): Turn the dial (7) towards the direction of the arrow e.
Amount of change per scale: Approx. 1.0 mm (8)
5. Perform a test copy.

2. Ouvrez le capot du DP (4).
3. Retirez le capot interne (5).
4. Soulevez le levier (6).
Dans le cas de l'exemple de copie (d): Tournez le cadran (7) dans la direction de la flèche d.
Dans le cas de l'exemple de copie (e): Tournez le cadran (7) dans la direction de la flèche e.
Quantité de changement par pas: Environ 1,0 mm (8)
5. Effectuer une copie de test.

2. Abra la cubierta del DP (4).
3. Quite la cubierta interna (5).
4. Levante la palanca (6).
En caso de muestra de copia (d): Gire el selector (7) en la dirección de la flecha d.
En caso de muestra de copia (e): Gire el selector (7) en la dirección de la flecha e.
Cantidad de cambio de escala: Aprox. 1,0 mm (8)
5. Haga una copia de prueba.

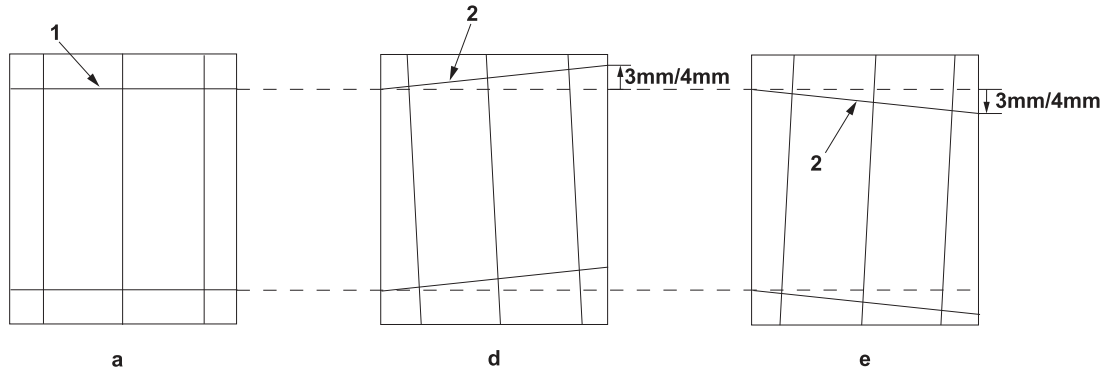
2. Öffnen Sie die Abdeckung des DP (4).
3. Entfernen Sie die innere Abdeckung (5).
4. Heben Sie den Hebel (6) an.
Bei Verwendung der Kopiervorlage (d): Drehen Sie das Rad (7) in Pfeilrichtung d.
Bei Verwendung der Kopiervorlage (e): Drehen Sie das Rad (7) in Pfeilrichtung e.
Änderungsbetrag pro Skalenstrich: Ca. 1,0 mm (8)
5. Eine Testkopie erstellen.

2. Aprire il coperchio del DP (4).
3. Rimuovere il coperchio interno (5).
4. Sollevare la leva (6).
Nel caso dell'esempio copia (d): Ruotare il selettore (7) in direzione della freccia d.
Nel caso dell'esempio copia (e): Ruotare il selettore (7) in direzione della freccia e.
Variazione graduale: Circa 1,0 mm (8)
5. Eseguire una copia di prova.

2. 打开 DP 盖板 (4)。
3. 取下内部盖板 (5)。
4. 提起杆 (6)。
当处于样张 (d) 时: 把拨盘 (7) 向 d 方向旋转。
当处于样张 (e) 时: 把拨盘 (7) 向 e 方向旋转。
每 1 格的移动量: 约 1.0mm (8)
5. 进行测试复印。

2. DP 커버 (4) 를 엽니다 .
3. 내부 커버 (5) 를 제거합니다 .
4. 레버 (6) 를 위로 올립니다 .
복사 샘플 (d) 의 경우 : 다이얼 (7) 을 화살표 d 방향으로 돌립니다 .
복사 샘플 (e) 의 경우 : 다이얼 (7) 을 화살표 e 방향으로 돌립니다 .
1 개 변화량 : 약 1.0mm (8)
5. 벨크로를 합니다 .

2. DP カバー (4) を開ける。
3. インナーカバー (5) を外す。
4. レバー (6) を上げる。
コピーサンプル (d) の場合: ダイヤル (7) を d 方向に回す。
コピーサンプル (e) の場合: ダイヤル (7) を e 方向に回す。
1 目盛り当たりの変化量: 約 1.0mm (8)
5. テストコピーを行う。



6. Repeat the steps above until the gap of line (2) of copy example shows the following reference values.

<Reference value> For single copying: The horizontal gap of line (2) should be within ± 3.0 mm.

For duplex copying: The horizontal gap of line (2) should be within ± 4.0 mm.

7. After the adjustment, install the inner cover (5) which is removed in step 2. Close the DP cover (4).

8. Remove the original mat (B) and refit it (see steps 2 and 3 on page 3).

6. Répéter les étapes ci-dessus jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique les valeurs de référence suivantes.

<Valeur de référence> Pour la copie recto : l'écart horizontal de la ligne (2) doit être de $\pm 3,0$ mm.

Pour la copie recto-verso : l'écart horizontal de la ligne (2) doit être de $\pm 4,0$ mm.

7. Après l'ajustement, installez le capot interne (5) qui a été retiré à l'étape 2. Refermez le capot du DP (4).

8. Retirez le tapis d'original (B) et remettez-le en place. (Reportez-vous aux étapes 2 et 3 à la page 3.)

6. Repita los pasos anteriores hasta que la separación de la línea (2) del ejemplo de copia presente los siguientes valores de referencia.

<Valor de referencia> Para el copiado por una cara: la separación horizontal de la línea (2) debe estar dentro de $\pm 3,0$ mm.

Para el copiado dúplex: la separación horizontal de la línea (2) debe estar dentro de $\pm 4,0$ mm.

7. Después del ajuste, instale la cubierta interna (5) que se quitó en el paso 2. Cierre la cubierta del DP (4).

8. Desmonte la plancha de original (B) y vuelva a colocar (vea los pasos 2 y 3 en la página 3).

6. Die obigen Schritte wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels die folgenden Bezugswerte aufweist.

<Bezugswert> Einzelkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 3,0$ mm liegen.

Duplexkopie: Der horizontale Abstand der Linie (2) sollte innerhalb von $\pm 4,0$ mm liegen.

7. Nach der Einstellung installieren Sie die innere Abdeckung (5), die in Schritt 2 entfernt wurde. Schließen Sie die Abdeckung des DP (4).

8. Die Originalmatte (B) abnehmen und wieder anbringen (siehe Schritte 2 und 3 auf Seite 3).

6. Ripetere le operazioni sopra descritte fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento seguenti.

<Valore di riferimento> Per la copia singola: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 3,0$ mm.

Per la copia duplex: lo scostamento orizzontale della linea (2) deve limitarsi a $\pm 4,0$ mm.

7. Al termine della regolazione, installare il coperchio interno (5), rimosso al punto 2. Chiudere il coperchio del DP (4).

8. Rimuovere il coprioriginale (B) e reinserirlo (vedere i passi 2 e 3 a pagina 3).

6. 重复上述步骤直至复印样本上的线(2)的偏移值达到标准值范围内。

<标准值> 单面时, 线(2)的左右偏移值: ± 3.0 mm 以内

双面时, 线(2)的左右偏移值: ± 4.0 mm 以内

7. 调整结束后, 重新安装在步骤2中取下的内部盖板(5)。关闭DP盖板(4)。

8. 拆下原稿垫(B), 参照第3页的步骤2和3再次装上。

6. 벨크로 선(2) 차이가 기준치내가 될 때까지 조정을 반복합니다.

<기준치> 단면의 경우 선(2)의 좌우차이: ± 3.0 mm 이내

양면의 경우 선(2)의 좌우차이: ± 4.0 mm 이내

7. 조정 후에 순서 2에서 분리한 내부 커버(5)를 설치합니다. DP 커버(4)를 닫습니다.

8. 원고매트(B)를 제거하고 3페이지 순서 2, 3을 참고로 다시 부착합니다.

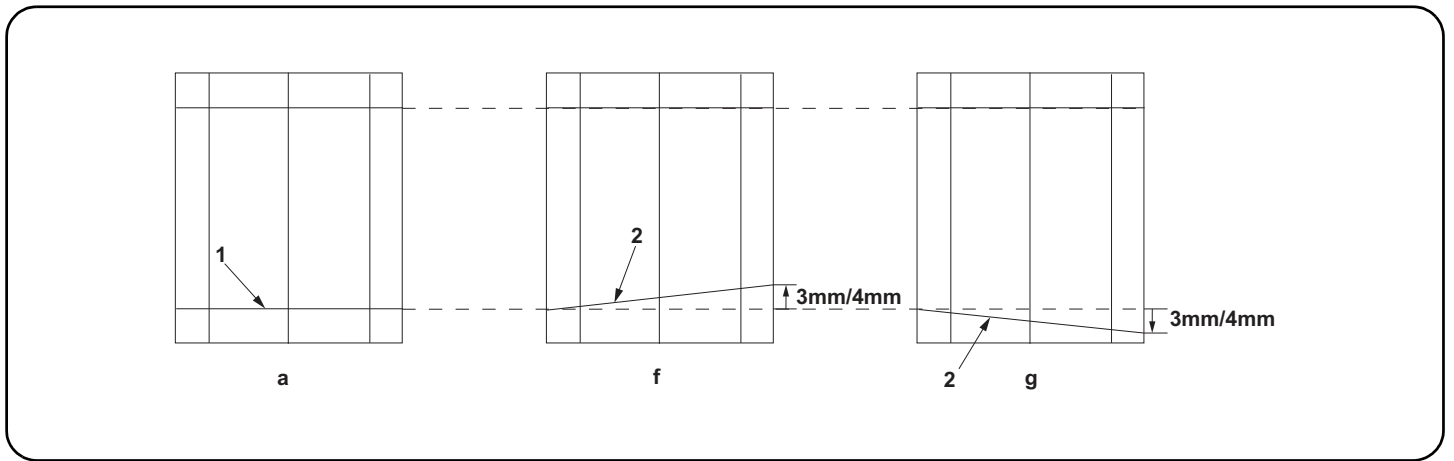
6. コピーサンプルの線(2)のずれが基準値内になるまで、調整を繰り返す。

<基準値>片面の場合、線(2)の左右ずれ: ± 3.0 mm 以内

両面の場合、線(2)の左右ずれ: ± 4.0 mm 以内

7. 調整終了後、手順2で外したインナーカバー(5)を取り付ける。DPカバー(4)を閉める。

8. 原稿マット(B)を取り外し、3ページの手順2,3を参考に再度取り付ける。



[Checking the angle of trailing edge]

1. Check the gap between line (1) of original (a) and line (2) of copy example. If the gap exceeds the reference value, perform the following adjustment.
 <Reference value> For simplex copying: Within ± 3.0 mm
 For duplex copying: Within ± 4.0 mm

[Vérification de l'angle du bord arrière]

1. Vérifiez l'écart entre la ligne (1) de l'original (a) et la ligne (2) de l'exemple de copie. Si l'écart est supérieur à la valeur de référence, effectuez le réglage suivant.
 <Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.
 Copie recto verso: $\pm 4,0$ mm max.

[Verificación del ángulo del borde inferior]

1. Verifique la separación entre la línea (1) del original (a) y la línea (2) de la copia de muestra. Si la superación supera el valor de referencia, haga el siguiente ajuste.
 <Valor de referencia> Para copia simple: Dentro de $\pm 3,0$ mm
 Para copia duplex: Dentro de $\pm 4,0$ mm

[Überprüfen des Winkels der Hinterkante]

1. Die Abweichung der Linie (1) des Originals (a) und der Linie (2) des Kopienmusters prüfen. Überschreitet die Abweichung den Bezugswert, ist die folgende Einstellung durchzuführen.
 <Bezugswert> Für Simplexkopie: Innerhalb $\pm 3,0$ mm
 Für Duplexkopie: Innerhalb $\pm 4,0$ mm

[Controllo dell'angolo del bordo di uscita]

1. Controllare la differenza tra la linea (1) dell'originale (a) e la linea (2) della copia di esempio. Se la differenza supera il valore di riferimento, effettuare la seguente regolazione.
 <Valore di riferimento> Per copia simplex: Entro $\pm 3,0$ mm
 Per copia duplex: Entro $\pm 4,0$ mm

[确认后端倾斜度]

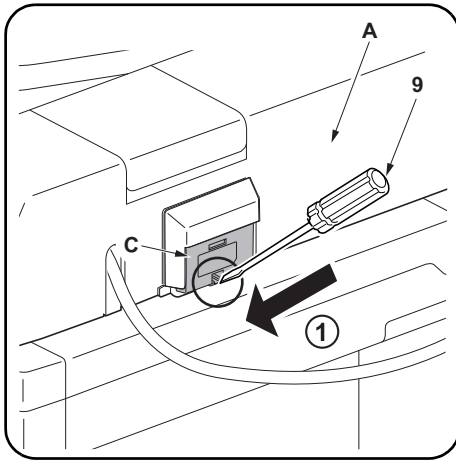
1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 的偏移值。如果超过标准值时，必须进行调整。
 <标准值> 单面时： ± 3.0 mm 以内
 双面时： ± 4.0 mm 以内

[후단 경사확인]

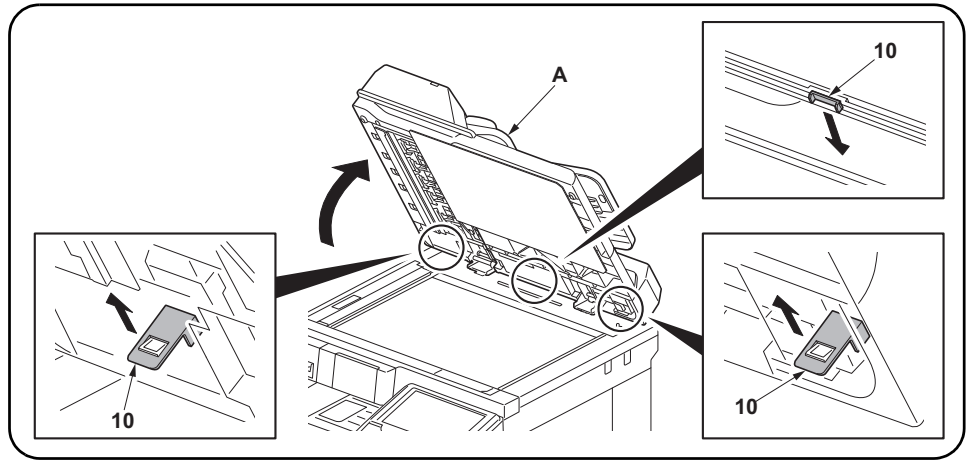
1. 원고 (a) 의 선 (1) 과 벨크로 선 (2) 의 차이를 확인합니다. 차이가 기준치 외의 경우에는 조정을 합니다.
 <기준치> 단면의 경우: ± 3.0 mm 이내
 양면의 경우: ± 4.0 mm 이내

[後端斜め確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) のずれを確認する。ずれが基準値外の場合は調整をおこなう。
 <基準値> 片面の場合: ± 3.0 mm 以内
 両面の場合: ± 4.0 mm 以内



2. Release the hook in the angle control fitting (C), using a flat-blade screwdriver (9). Remove the angle control fitting (C).



3. Open the DP (A).
4. Release the 3 hooks (10) on the rear cover.

2. Libérez le crochet dans la fixation d'angle (C) à l'aide d'un tournevis à tête plate (9). Retirez la fixation d'angle (C).

3. Ouvrez le DP(A).
4. Libérez les 3 crochets (10) sur le capot arrière.

2. Suelte el enganche del herraje de control de ángulo (C), con un destornillador de hoja plana (9). Quite el herraje de control de ángulo (C).

3. Abra el DP(A).
4. Suelte los 3 enganches (10) de la cubierta posterior.

2. Lösen Sie den Haken der Winkelbegrenzung (C) mit einem flachen Schraubendreher (9). Entfernen Sie die Winkelbegrenzung (C).

3. Öffnen Sie DP(A).
4. Lösen Sie die 3 Haken (10) der hinteren Abdeckung.

2. Rilasciare il gancio nell'accessorio di controllo angolo (C) utilizzando un cacciavite a testa piatta (9). Rimuovere l'accessorio di controllo angolo (C).

3. Aprire il DP(A).
4. Rilasciare i 3 ganci (10) sul coperchio posteriore.

2. 用一字螺丝刀(9)来取下角度限制工具(C)的卡扣。取下角度限制工具(C)。

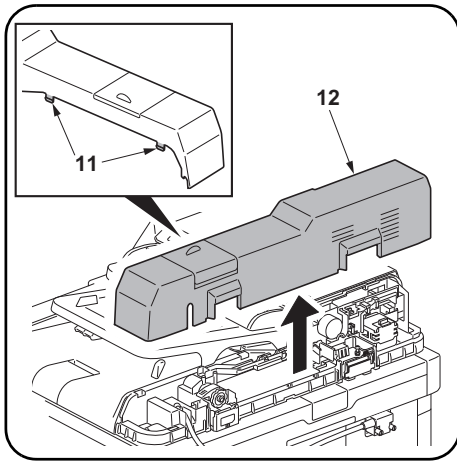
3. 打开DP(A)。
4. 取下后盖板的3个卡扣(10)。

2. 일자 드라이버(9)를 사용하여 각도 고정쇠(C)의 후크를 풉니다. 각도 고정쇠(C)을 제거합니다.

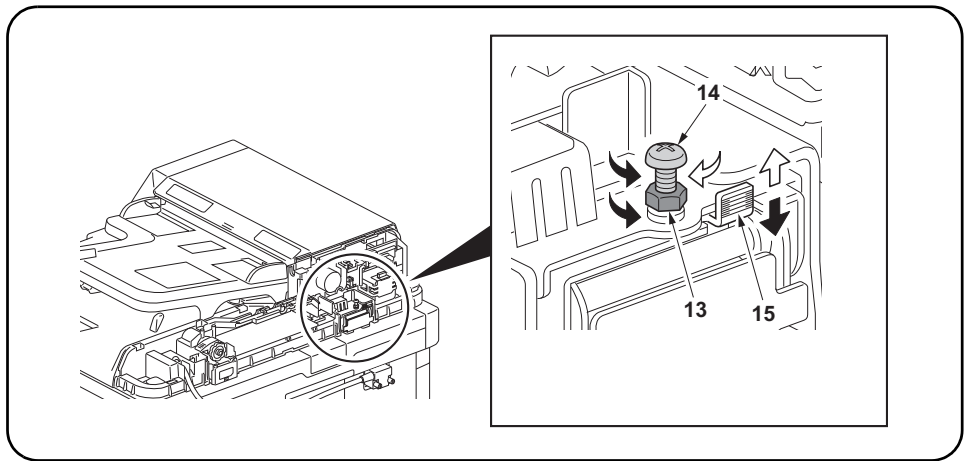
3. DP(A)를 엽니다.
4. 후면 커버의 후크(10) 3개를 풉니다.

2. 角度規制金具(C)のフックをマイナスドライバー(9)で解除する。角度規制金具(C)を外す。

3. DP(A)を開く。
4. 後カバーのフック(10)3箇所を外す。



5. Release the 2 hooks (11) on the rear cover.
6. Remove the rear cover (12).



7. Adjust the height of DP.
Loosen the nut (13).
For copy example (f): Loosen the adjusting screw (14).
For copy example (g): Tighten the adjusting screw (14).

- Amount of change per scale: Approx. 0.5 mm (15)
Retighten the nut (13).
8. Refit the rear cover (12) removed in step 6.
 9. Remove the original mat (B) and refit it (see steps 2 and 3 on page 3).

5. Libérez les 2 crochets (11) sur le capot arrière.
6. Retirez le capot arrière (12).

7. Réglez la hauteur du DP.
Desserrez l'écrou (13).
Pour l'exemple de copie (f): Desserrez la vis de réglage (14).
Pour l'exemple de copie (g): Serrez la vis de réglage (14).

- Quantité de changement par pas: Environ 0,5 mm (15)
Resserrez l'écrou (13).
8. Reposer le capot arrière (12) déposé à l'étape 6.
 9. Retirez le tapis d'original (B) et remettez-le en place. (Reportez-vous aux étapes 2 et 3 à la page 3.)

5. Suelte los 2 enganches (11) de la cubierta posterior.
6. Quite la cubierta posterior (12).

7. Ajuste la altura del DP.
Afloje la tuerca (13).
Para la copia de muestra (f): Afloje el tornillo de ajuste (14).
Para la copia de muestra (g): Apriete el tornillo de ajuste (14).

- Cantidad de cambio de escala: Aprox. 0,5 mm (15)
Vuelva a apretar la tuerca (13).
8. Vuelva a colocar la cubierta posterior (12) desmontada en el paso 6.
 9. Desmonte la plancha de original (B) y vuelva a colocar (vea los pasos 2 y 3 en la página 3).

5. Lösen Sie die 2 Haken (11) der hinteren Abdeckung.
6. Entfernen Sie die hintere Abdeckung (12).

7. Die Höhe des DP einstellen.
Lösen Sie die Mutter (13).
Für Kopienmuster (f): Lösen Sie die Einstellschraube (14).
Für Kopienmuster (g): Die Einstellschraube (14) festziehen.

- Änderungsbetrag pro Skalenstrich: Ca. 0,5 mm (15)
Ziehen Sie die Mutter (13) wieder fest.
8. Die in Schritt 6 entfernte hintere Abdeckung (12) wieder anbringen.
 9. Die Originalmatte (B) abnehmen und wieder anbringen (siehe Schritte 2 und 3 auf Seite 3).

5. Rilasciare i 2 ganci (11) sul coperchio posteriore.
6. Rimuovere il coperchio posteriore (12).

7. Regolazione dell'altezza del DP
Allentare il dado (13).
Per un esempio di copia (f): Allentare la vite di regolazione (14).
Per un esempio di copia (g): Stringere la vite di regolazione (14).

- Variazione graduale: Circa 0,5 mm (15)
Stringere di nuovo il dado (13).
8. Reinserire il coperchio posteriore (12) rimosso nel passo 6.
 9. Rimuovere il coprioriginale (B) e reinserirlo (vedere i passi 2 e 3 a pagina 3).

5. 取下后盖板的 2 个卡扣 (11)。
6. 取下后盖板 (12)。

7. 调整 DP 的高度。
松弛螺母 (13)。
复印样张 (f) 时: 松弛调整螺丝 (14)。
复印样张 (g) 时: 紧固调整螺丝 (14)。

- 每 1 格的变化量: 约 0.5mm (15)
将螺母 (13) 按原样紧固好。
8. 重新安装在步骤 6 中拆下的后盖板 (12)。
 9. 拆下原稿垫 (B), 参照第 3 页的步骤 2 和 3 再次装上。

5. 후면 커버의 후크 (11) 2 개를 풉니다.
6. 후면 커버 (12) 를 제거합니다.

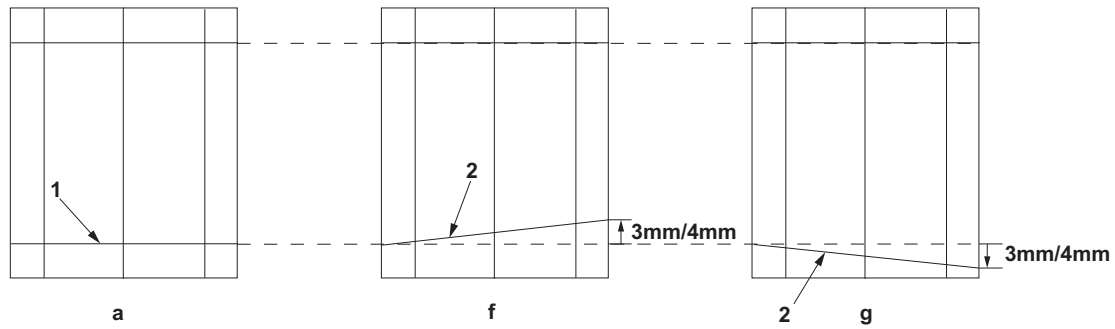
7. DP 의 높이를 조정합니다.
너트 (13) 를 느슨하게 합니다.
벨크로 (f) 의 경우: 조정나사 (14) 를 느슨하게 합니다.
벨크로 (g) 의 경우: 조정나사 (14) 를 조입니다.

- 1 개 변화량: 약 0.5mm (15)
너트 (13) 를 원래대로 조입니다.
8. 순서 6 에서 제거한 뒷 커버 (12) 를 원래대로 장착합니다.
 9. 원고매트 (B) 를 제거하고 3 페이지 순서 2, 3 을 참고로 다시 부착합니다.

5. 後カバーのフック (11) 2箇所を外す。
6. 後カバー (12) を取り外す。

7. DP の高さを調整する。
ナット (13) をゆるめる。
コピーサンプル (f) の場合: 調整ビス (14) をゆるめる。
コピーサンプル (g) の場合: 調整ビス (14) を締める。

- 1 目盛り当たりの変化量: 約 0.5mm (15)
ナット (13) を元通り締める。
8. 手順 6 で取り外した後カバー (12) を元通り取り付ける。
 9. 原稿マット (B) を取り外し、3 ページの手順 2, 3 を参考に再度取り付ける。



10. Make a proof copy again.

11. Repeat steps 1 to 9 until line (2) of copy example shows the following the reference values.

<Reference value> For simplex copying: Within ± 3.0 mm
For duplex copying: Within ± 4.0 mm

10. Effectuez à nouveau une copie de test.

11. Répétez les étapes 1 à 9 jusqu'à ce que la ligne (2) de l'exemple de copie corresponde aux valeurs de référence suivantes.

<Valeur de référence> Copie recto seul: $\pm 3,0$ mm max.
Copie recto verso: $\pm 4,0$ mm max.

10. Haga otra copia de prueba.

11. Repita los pasos 1 a 9 hasta que la línea (2) de la copia de muestra tenga los siguientes valores de referencia.

<Valor de referencia> Para copia simple: Dentro de $\pm 3,0$ mm
Para copia duplex: Dentro de $\pm 4,0$ mm

10. Eine erneute Probekopie anfertigen.

11. Die Schritte 1 bis 9 wiederholen, bis die Linie (2) des Kopienmusters die folgenden Bezugswerte aufweist.

<Bezugswert> Für Simplexkopie: Innerhalb $\pm 3,0$ mm
Für Duplexkopie: Innerhalb $\pm 4,0$ mm

10. Eseguire di nuovo una prova di copia.

11. Ripetere i passi da 1 a 9 fino a che la linea (2) dell'esempio di copia non mostra i seguenti valori di riferimento.

<Valore di riferimento> Per copia simplex: Entro $\pm 3,0$ mm
Per copia duplex: Entro $\pm 4,0$ mm

10. 再次进行测试复印。

11. 反复操作步骤 1~9, 直至复印样张的线 (2) 为标准值内。

<标准值> 单面时: ± 3.0 mm 以内
双面时: ± 4.0 mm 以内

10. 다시 벨크로를 합니다.

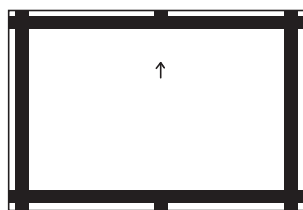
11. 벨크로 선 (2) 이 기준치내로 될 때까지 순서 1 ~ 9 을 반복합니다.

<기준치> 단면의 경우: ± 3.0 mm 이내
양면의 경우: ± 4.0 mm 이내

10. 再度テストコピーをおこなう。

11. コピーサンプルの線 (2) が基準値内になるまで、手順 1 ~ 9 を繰り返す。

<基準値> 片面の場合: ± 3.0 mm 以内
両面の場合: ± 4.0 mm 以内



**[Automatic adjustment using the original for adjustment]
If there is no DP auto adjustment original**

1. Set the maintenance mode U411, select [DP Auto Adj] and press the Start key to print an original.
2. Set the printed original on the contact glass and press the Start key.

3. Set the original on the DP face up and press the Start key to carry out surface adjustment.
4. If OK appears on the display, the adjustment is completed. If ERROR XX appears, the adjustment failed. Check the original set position and repeat steps 2 and 3 until OK appears. For details, see the service manual.

**[Réglage automatique en utilisant l'original pour effectuer le réglage]
Si la machine n'est pas pourvue de la fonction réglage automatique d'original du DP**

1. Régler le mode maintenance U411, sélectionner [DP Auto Adj] et appuyer sur la touche Start pour imprimer un original.
2. Placer l'original qui vient d'être imprimé sur la vitre d'exposition et appuyer sur la touche Start.

3. Placer l'original sur le DP côté imprimé en haut et appuyer sur la touche Start pour procéder au réglage de la surface.
4. Si le message OK apparaît sur l'affichage, le réglage est terminé. Si le message ERROR XX (erreur XX) s'affiche, le réglage a échoué. Vérifier la position de l'original et recommencer les opérations 2 et 3 jusqu'à ce que le message OK apparaisse. Pour plus de détails, se reporter au manuel d'entretien.

**[Ajuste automático utilizando el original para el ajuste]
Si no existe el original de ajuste automático del DP**

1. Entre al modo de mantenimiento U411, seleccione [DP Auto Adj] y pulse la tecla de Start para imprimir un original.
2. Coloque el original impreso sobre el cristal de contacto y pulse la tecla de Start.

3. Coloque el original en el DP cara arriba y pulse la tecla de Start para realizar un ajuste de anverso.
4. Si aparece OK en la pantalla significa que el ajuste ha sido realizado. Si aparece ERROR XX, el ajuste ha fallado. Compruebe la posición ajustada del original y repita los pasos 2 y 3 hasta que aparezca OK en la pantalla. Para más detalles, lea el manual de servicio.

**[Automatische Einstellung mithilfe des Originals]
Falls keine automatische Einstellung des Originals des DP vorhanden ist**

1. Den Wartungsmodus U411 einschalten. [DP Auto Adj] wählen und die Start-Taste betätigen, um ein Original auszudrucken.
2. Das ausgedruckte Original auf das Kontaktglas legen und die Start-Taste betätigen.

3. Das Original mit der Druckseite nach oben einlegen und die Start-Taste betätigen, um die Oberflächeneinstellung ausführen zu lassen.
4. Wenn am Display OK angezeigt wird, ist die Einstellung abgeschlossen. Wenn ERROR XX (FEHLER XX) angezeigt wird, ist die Einstellung fehlgeschlagen. Überprüfen Sie die Originalpositionierung und wiederholen Sie Schritte 2 und 3, bis OK angezeigt wird. Weitere Einzelheiten siehe Wartungsanleitung.

**[Regolazione automatica eseguita con l'originale]
Se non è presente l'autoregolazione originale DP**

1. Impostare la modalità manutenzione U411, selezionare [DP Auto Adj] e premere il tasto di Start per stampare un originale.
2. Posizionare l'originale stampato sul vetro di appoggio e premere il tasto di Start.

3. Posizionare l'originale sul DP rivolto verso l'alto e premere il tasto di Start per eseguire la regolazione della superficie.
4. Se OK appare sul display, la regolazione è completata. Se compare ERROR XX (ERRORE XX), la regolazione non è riuscita. Verificare la posizione di impostazione dell'originale e ripetere le operazioni 2 e 3 fino a quando appare OK. Per ulteriori dettagli leggere il manuale d'istruzioni.

**[通过调整用原稿进行自动调整]
没有 DP 调整用原稿时**

1. 设置维护模式 U411, 按 [DP Auto Adj]、Start 键以输出原稿。
2. 将输出的原稿放在稿台上, 按 Start 键。

3. 将原稿面朝上放在 DP 主机上, 按 Start 键以进行正面的调整。
4. 如果屏幕上出现 OK (完成), 则表示调整完成。如果出现 ERROR XX (错误 XX), 则表示调整失败。检查原稿设定位置并重复步骤 2 和 3, 直到 OK (完成) 出现。详细内容请参照维修手册。

**[조정용 원고를 이용한 자동조정]
DP 조정용 원고가 없는 경우**

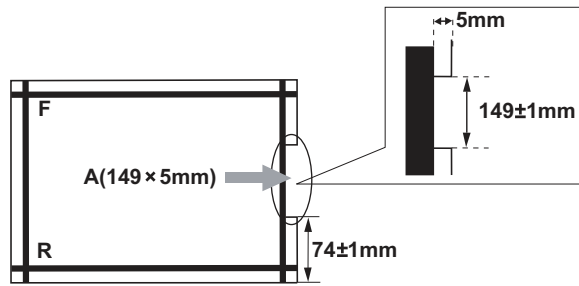
1. 메인テナンス 모드 U411 을 세트하고 [DP Auto Adj], 시작키를 눌러 원고를 출력합니다.
2. 출력한 원고를 원고 유리에 장착하고 시작키를 누릅니다.

3. 원고를 FaceUp 으로 DP 본체로 세트하고 시작키를 눌러 표면조정을 합니다.
4. 디스플레이에 OK 가 표시되면 조정완료가 됩니다. ERROR XX 가 표시된 경우에는 조정실패입니다. 원고 장착위치를 확인하고 OK 가 표시될 때까지 순서 2 ~ 3 를 반복합니다. 상세는 서비스 매뉴얼을 참조하십시오.

**[調整用原稿による自動調整]
DP 調整用原稿が無い場合**

1. メンテナンスモード U411 をセットし、[DP Auto Adj]、Start キーを押し原稿を出力する。
2. 出力した原稿をコンタクトガラス上にセットし、Start キーを押す。

3. 原稿を FaceUp で DP ヘットし、Start キーを押し、表面の調整を行う。
4. ディスプレイに OK が表示されれば調整完了となる。ERROR XX が表示された場合は調整失敗である。原稿のセット位置を確認し、OK が表示されるまで手順 2 ~ 3 を繰り返す。詳細はサービスマニュアルを参照のこと。



Using a DP auto adjustment original

1. Direct F and R of the DP auto adjustment original upward, and set the original from the place where F and R are marked.
2. Set the maintenance mode U411. Press the [DP FaceUp (Chart2)], [Input] and the Start key in that order to carry out surface adjustment.

3. If OK appears on the display, the adjustment is completed. If ERROR XX appears, the adjustment failed. Check the original set position and repeat steps 1 and 2 until OK appears. For details, see the service manual.

Avec la fonction réglage automatique d'original du DP

1. Diriger F (avant) et R (arrière) de la fonction de réglage automatique d'original du DP vers le haut, puis placer l'original à partir de l'emplacement des repères F et R.
2. Passer au mode maintenance U411. Appuyer sur les touches [DP FaceUp (Chart2)], [Input] et Start dans cet ordre pour procéder au réglage de la surface.

3. Si le message OK apparaît sur l'affichage, le réglage est terminé. Si le message ERROR XX (erreur XX) s'affiche, le réglage a échoué. Vérifier la position de l'original et recommencer les opérations 1 et 2 jusqu'à ce que le message OK apparaisse. Pour plus de détails, se reporter au manuel d'entretien.

Uso del original de ajuste automático del DP

1. Dirija F y R del original de ajuste automático del DP hacia arriba, y coloque el original a partir del sitio en que están marcados F y R.
2. Entre en el modo de mantenimiento U411. Pulse las teclas [DP FaceUp (Chart2)], [Input] y la tecla de Start, en ese orden, para realizar el ajuste de anverso.

3. Si aparece OK en la pantalla significa que el ajuste ha sido realizado. Si aparece ERROR XX, el ajuste ha fallado. Compruebe la posición ajustada del original y repita los pasos 1 y 2 hasta que aparezca OK en la pantalla. Para más detalles, lea el manual de servicio.

Gebrauch der automatischen Einstellung des Originals des DP

1. F und R der automatischen Einstellung des Originals des DP nach oben zeigen und das Original an die mit F und R markierte Stelle setzen.
2. Den Wartungsmodus U411 einschalten. [DP Faceup (Chart2)], [Input] und die Start-Taste in dieser Reihenfolge betätigen, um die Oberflächeneinstellung ausführen zu lassen.

3. Wenn am Display OK angezeigt wird, ist die Einstellung abgeschlossen. Wenn ERROR XX (FEHLER XX) angezeigt wird, ist die Einstellung fehlgeschlagen. Überprüfen Sie die Originalpositionierung und wiederholen Sie Schritte 1 und 2, bis OK angezeigt wird. Weitere Einzelheiten siehe Wartungsanleitung.

Uso di un'autoregolazione originale DP

1. Orientare F e R dell'autoregolazione originale DP verso l'alto e disporre l'originale rispetto ai punti in cui sono contrassegnati F e R.
2. Impostare la modalità manutenzione U411. Premere nell'ordine [DP FaceUp (Chart2)], [Input] e il tasto di Start, per eseguire la regolazione della superficie.

3. Se OK appare sul display, la regolazione è completata. Se compare ERROR XX (ERRORE XX), la regolazione non è riuscita. Verificare la posizione di impostazione dell'originale e ripetere le operazioni 1 e 2 fino a quando appare OK. Per ulteriori dettagli leggere il manuale d'istruzioni.

使用 DP 自动调整原稿时

1. 将 DP 自动调整原稿的 F 和 R 向上, 并把标有 F 和 R 的一侧插入 DP 来设定原稿。
2. 设置维护模式 U411, 按顺序按 [DP FaceUp(Chart2)], [Input]、Start 键以进行正面的调整。

3. 如果屏幕上出现 OK (完成), 则表示调整完成。如果出现 ERROR XX (错误 XX), 则表示调整失败。检查原稿设定位置并重复步骤 1 和 2, 直到 OK (完成) 出现。详细内容请参照维修手册。

DP 자동조정용 원고를 사용하는 경우

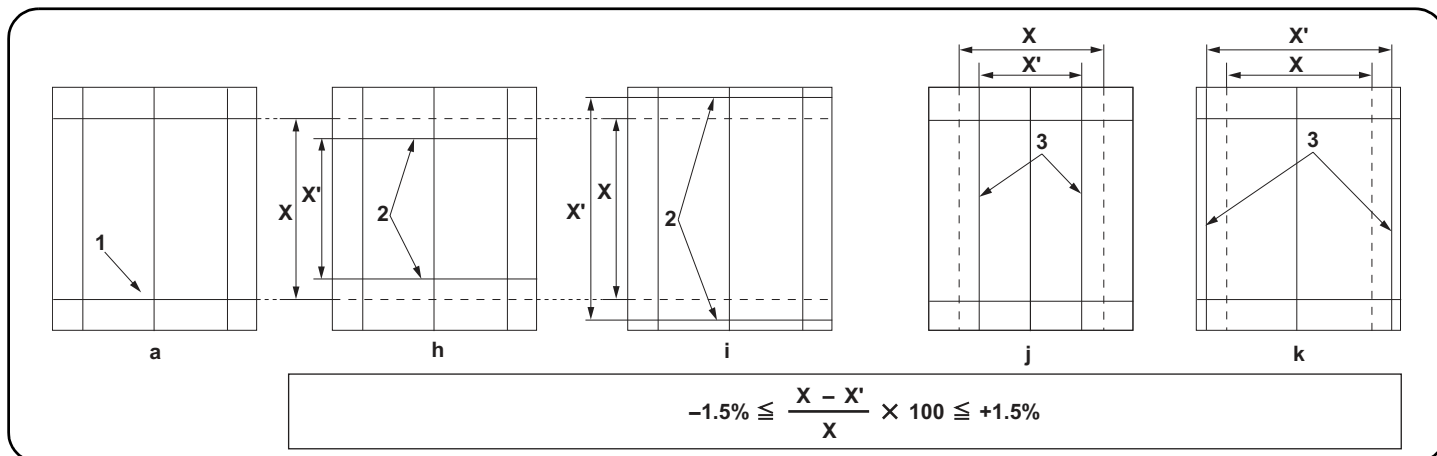
1. DP 자동조정원고 F, R 을 위로 향하게 하고 F, R 이 쓰여져 있는 쪽에서 DP 본체로 세트합니다.
2. 메인テナンス 모드 U411 을 세트하고 [DP FaceUp(Chart2)], [Input], 시작키의 순서로 눌러 표면 조정을 합니다.

3. 디스플레이에 OK 가 표시되면 조정완료가 됩니다. ERROR XX 가 표시된 경우에는 조정실패입니다. 원고 장착위치를 확인하고 OK 가 표시될 때까지 순서 1 ~ 2 를 반복합니다. 상세는 서비스 매뉴얼을 참조.

DP 自動調整原稿を使用する場合

1. DP 自動調整原稿の F、R を上に向け、F、R が書かれている方から DP へセットする。
2. メンテナンスモード U411 をセットし、[DP FaceUp(Chart2)]、[Input]、Start キーの順に押し、表面の調整を行う。

3. ディスプレイに OK が表示されれば調整完了となる。ERROR XX が表示された場合は調整失敗である。原稿のセット位置を確認し、OK が表示されるまで手順 1 ~ 2 を繰り返す。詳細はサービスマニュアルを参照のこと。



[Checking the magnification]

1. Check the gap between line (1) of original (a) and line (2) (3) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.

<Reference value>

For the sub-scan direction, vertical gap of line (2): within $\pm 1.5\%$

For the main-scan direction, horizontal gap of line (3): within $\pm 1.5\%$

2. Use the maintenance mode U070 to adjust the magnification.

Sub Scan(F): Adjusts the scanner sub-scan magnification (surface)

Sub Scan(B): Adjusts the scanner sub-scan magnification (rear side)

[Vérification de l'agrandissement]

1. Vérifier l'écart entre la ligne (1) de l'original (a) et la ligne (2) (3) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.

<Valeur de référence>

Pour la direction du balayage secondaire, l'écart vertical de la ligne (2) est de $\pm 1,5\%$

de $\pm 1,5\%$

Pour la direction du balayage principal, l'écart horizontal de la ligne (3) est de $\pm 1,5\%$

2. Pour régler l'agrandissement, utilisez le mode entretien U070.

Sub Scan(F): Permet de régler l'agrandissement du balayage secondaire du scanner (surface)

Sub Scan(B): Permet de régler l'agrandissement du balayage secondaire du scanner (arrière)

[Verificación del cambio de tamaño]

1. Compruebe la separación entre la línea (1) del original (a) y la línea (2) (3) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.

<Valor de referencia>

Para la dirección de exploración secundaria, separación vertical de la línea (2): dentro de $\pm 1,5\%$

Para la dirección de exploración principal, separación horizontal de la línea (3): dentro de $\pm 1,5\%$

2. Para ajustar la ampliación utilice el modo de mantenimiento U070.

Sub Scan(F): ajusta el cambio de tamaño de la dirección de exploración secundaria del escáner (anverso).

Sub Scan(B): ajusta el cambio de tamaño de la dirección de exploración secundaria del escáner (reverso).

[Überprüfen der Vergrößerung]

1. Den Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) (3) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.

<Bezugswert>

Subscanrichtung: Vertikaler Abstand der Linie (2): Innerhalb $\pm 1,5\%$

Hauptscanrichtung: Horizontaler Abstand der Linie (3): Innerhalb $\pm 1,5\%$

2. Zum Einstellen der Vergrößerung den Wartungsmodus U070 verwenden.

Sub Scan(F): Zur Einstellung der Subscan-Vergrößerung (Oberfläche)

Sub Scan(B): Zur Einstellung der Subscan-Vergrößerung (Rückseite)

[Controllo dell'ingrandimento]

1. Verificare lo scostamento fra la linea (1) dell'originale (a) e la linea (2) (3) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.

<Valore di riferimento>

Per l'orientamento della scansione ausiliare, lo scostamento verticale della linea (2) deve essere compreso fra $\pm 1,5\%$

Per l'orientamento della scansione principale, lo scostamento orizzontale della linea (3) deve essere compreso fra $\pm 1,5\%$

2. Usare la modalità di manutenzione U070 per regolare l'ingrandimento.

Sub Scan(F): Regola l'ingrandimento della scansione ausiliare dello scanner (superficie)

Sub Scan(B): Regola l'ingrandimento della scansione ausiliare dello scanner (lato posteriore)

[确认等倍値]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2)、(3) 之间的偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整。

<标准值>

对于副扫描方向, 线 (2) 的上下偏移值: $\pm 1.5\%$ 以内

对于主扫描方向, 线 (3) 的左右偏移值: $\pm 1.5\%$ 以内

2. 使用维修模式 U070 调整等倍值。

Sub Scan(F): 读取副扫描等倍度的调整 (正面)

Sub Scan(B): 读取副扫描等倍度的调整 (反面)

[등배도확인]

1. 원고 (a) 선 (1) 과 벨크로의 선 (2)(3) 의 차이를 확인합니다 .

차이가 기준이외의 경우, 다음 순서로 조정을 합니다 .

<기준치>

부주사 방향의 경우 선 (2) 의 상하차이: $\pm 1.5\%$ 이내

주주사 방향의 경우 선 (3) 의 좌우차이: $\pm 1.5\%$ 이내

2. 메인テナンス 모드 U070 을 세트하고 조정을 합니다 .

Sub Scan(F): 스캔 부주사등배도의 조정 (표면)

Sub Scan(B): 스캔 부주사등배도의 조정 (뒷면)

[等倍度確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) (3) のずれを確認する。

ずれが基準値外の場合、次の手順で調整を行う。

<基準値>

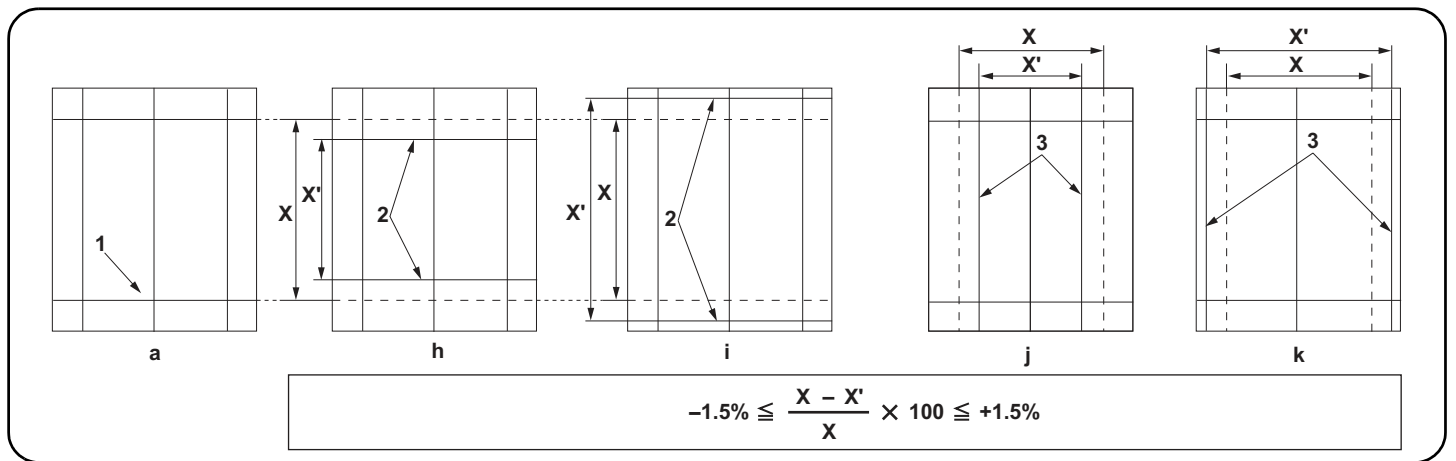
副走査方向の場合、線 (2) の上下ずれ: $\pm 1.5\%$ 以内

主走査方向の場合、線 (3) の左右ずれ: $\pm 1.5\%$ 以内

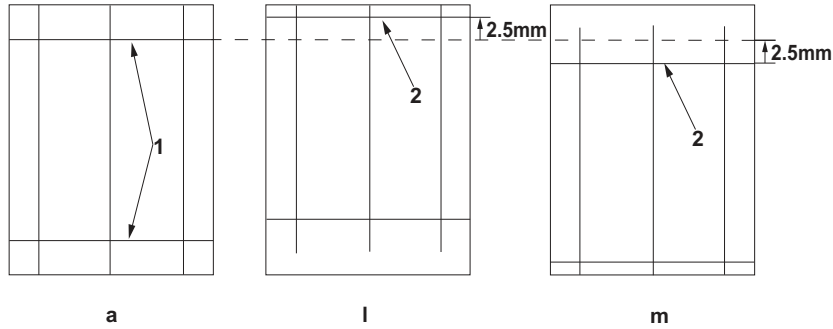
2. メンテナンスモード U070 をセッとし、調整を行う。

Sub Scan(F): 読み取り副走査等倍度の調整 (表面)

Sub Scan(B): 読み取り副走査等倍度の調整 (裏面)



- | | |
|---|--|
| <p>3. Adjust the values.
 For the shorter length copy example (h)(j): Increases the value.
 For the longer length copy example (i)(k): Decreases the value.
 Amount of change per step: 0.10 %</p> <p>4. Perform a test copy.</p> | <p>5. Repeat the steps 2 to 4 above until the gap of line (2) (3) of copy example shows the reference value.
 <Reference value>
 For the sub-scan direction, vertical gap of line (2): within ±1.5%
 For the main-scan direction, horizontal gap of line (3): within ±1.5%</p> |
| <p>3. Régler les valeurs.
 Pour l'exemple de copie dont la longueur est plus courte (h)(j) :
 augmenter la valeur.
 Pour l'exemple de copie dont la longueur est plus longue (i)(k) :
 diminuer la valeur.
 Changement par graduation d'échelle : 0,10 %</p> <p>4. Effectuer une copie de test.</p> | <p>5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) (3) de l'exemple de copie indique la valeur de référence.
 <Valeur de référence>
 Pour la direction du balayage secondaire, l'écart vertical de la ligne (2) est de ±1,5%
 Pour la direction du balayage principal, l'écart horizontal de la ligne (3) est de ±1,5%</p> |
| <p>3. Ajuste los valores.
 Para el ejemplo de copia más corto (h)(j): aumenta el valor.
 Para el ejemplo de copia más largo (i)(k): disminuye el valor.
 Magnitud del cambio por incremento: 0,10 %</p> <p>4. Haga una copia de prueba.</p> | <p>5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) (3) del ejemplo de copia presente el valor de referencia.
 <Valor de referencia>
 Para la dirección de exploración secundaria, separación vertical de la línea (2): dentro de ±1,5%
 Para la dirección de exploración principal, separación horizontal de la línea (3): dentro de ±1,5%</p> |
| <p>3. Die Werte einstellen.
 Für die kürzere Länge des Kopierbeispiels (h)(j): Den Wert erhöhen.
 Für die längere Länge des Kopierbeispiels (i)(k): Den Wert verringern.
 Änderung pro Schritt: 0,10 %</p> <p>4. Eine Testkopie erstellen.</p> | <p>5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) (3) des Kopierbeispiels den Bezugswert aufweist.
 <Bezugswert>
 Subscanrichtung: Vertikaler Abstand der Linie (2): Innerhalb ±1,5%
 Hauptscanrichtung: Horizontaler Abstand der Linie (3): Innerhalb ±1,5%</p> |
| <p>3. Regolare i valori.
 Per l'esempio di copia di lunghezza inferiore (h)(j): aumenta il valore.
 Per l'esempio di copia di lunghezza superiore (i)(k): riduce il valore.
 Entità modifica per passo: 0,10 %</p> <p>4. Eseguire una copia di prova</p> | <p>5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) (3) dell'esempio di copia riporterà i valori di riferimento.
 <Valore di riferimento>
 Per l'orientamento della scansione ausiliare, lo scostamento verticale della linea (2) deve essere compreso fra ±1,5%
 Per l'orientamento della scansione principale, lo scostamento orizzontale della linea (3) deve essere compreso fra ±1,5%</p> |
| <p>3. 調整設定値。
 在长度偏短时 复印样本 (h) (j) : 调高设定值
 在长度偏长时 复印样本 (i) (k) : 调低设定值
 设定值的一个调整单位变化量 : 0.10%</p> <p>4. 进行测试复印。</p> | <p>5. 重复上述步骤 2 到 4, 直至复印样本上的线 (2)、(3) 之间的偏移值达到标准值范围内。
 <标准值>
 对于副扫描方向, 线 (2) 的上下偏移值 : ±1.5% 以内
 对于主扫描方向, 线 (3) 的左右偏移值 : ±1.5% 以内</p> |
| <p>3. 설정치를 조정합니다 .
 길이가 짧은 경우 벨크로 (h)(j): 설정치를 높입니다 .
 길이가 긴 경우 벨크로 (i)(k): 설정치를 내립니다 .
 1 스텝당 변화량 : 0.10%</p> <p>4. 벨크로를 합니다 .</p> | <p>5. 벨크로 선 (2)(3) 의 차이가 기준치내가 될 때까지 2 ~ 4 를 반복합니다 .
 < 기준치 >
 부주사 방향의 경우 선 (2) 의 상하차이 : ±1.5% 이내
 주주사 방향의 경우 선 (3) 의 좌우차이 : ±1.5% 이내</p> |
| <p>3. 設定値を調整する。
 長さが短い場合コピーサンプル (h) (j) : 設定値を上げる
 長さが長い場合コピーサンプル (i) (k) : 設定値を下げる
 1 ステップ当たりの変化量 : 0.10%</p> <p>4. テストコピーを行う。</p> | <p>5. コピーサンプルの線 (2) (3) のずれが基準値内になるまで手順 2 ~ 4 を繰り返す。
 < 基準値 >
 副走査方向の場合、線 (2) の上下ずれ : ±1.5% 以内
 主走査方向の場合、線 (3) の左右ずれ : ±1.5% 以内</p> |



[Checking the leading edge timing]

1. Check the gap between line (1) on original (a) and line (2) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.

<Reference value>

Vertical gap of line (2): within ± 2.5 mm

2. Use the maintenance mode U071 to adjust the timing.

Front Head: Adjusts the leading edge timing (surface)

Front Tail: Adjusts the trailing edge timing (surface)

Back Head: Adjusts the leading edge timing (rear side)

Back Tail: Adjusts the trailing edge timing (rear side)

[Vérification de la synchronisation du bord avant]

1. Vérifier l'écart entre la ligne (1) de l'original (a) et la ligne (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.

<Valeur de référence>

Écart vertical de la ligne (2) : $\pm 2,5$ mm

2. Pour régler la synchronisation, utilisez le mode entretien U071.

Front Head: Permet de régler la synchronisation du bord de tête (surface)

Front Tail: Permet de régler la synchronisation du bord arrière (surface)

Back Head: Permet de régler la synchronisation du bord de tête (arrière)

Back Tail: Permet de régler la synchronisation du bord arrière (arrière)

[Cambio de la sincronización de borde superior]

1. Compruebe la separación entre la línea (1) del original (a) y la línea (2) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.

<Valor de referencia>

Separación vertical de la línea (2): dentro de $\pm 2,5$ mm

2. Para ajustar la sincronización utilice el modo de mantenimiento U071.

Front Head: Ajusta la sincronización del borde superior (anverso).

Front Tail: Ajusta la sincronización del borde inferior (anverso).

Back Head: Ajusta la sincronización del borde superior (reverso).

Back Tail: Ajusta la sincronización del borde inferior (reverso).

[Überprüfen des Vorderkanten-Timings]

1. Den Abstand zwischen der Linie (1) des Originals (a) und der Linie (2) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.

<Bezugswert>

Vertikaler Abstand der Linie (2): Innerhalb $\pm 2,5$ mm

2. Zum Einstellen des Timing den Wartungsmodus U071 verwenden.

Front Head: Zur Einstellung des Vorderkanten-Timing (Oberfläche)

Front Tail: Zur Einstellung des Hinterkanten-Timing (Oberfläche)

Back Head: Zur Einstellung des Vorderkanten-Timing (Rückseite)

Back Tail: Zur Einstellung des Hinterkanten-Timing (Rückseite)

[Controllo della sincronizzazione del bordo principale]

1. Verificare lo scostamento fra la linea (1) sull'originale (a) e la linea (2) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.

<Valore di riferimento>

Scostamento verticale della linea (2) compreso fra $\pm 2,5$ mm

2. Usare la modalità di manutenzione U071 per regolare la sincronizzazione.

Front Head: Regola la sincronizzazione del bordo principale (superficie)

Front Tail: Regola la sincronizzazione del bordo di uscita (superficie)

Back Head: Regola la sincronizzazione del bordo principale (lato posteriore)

Back Tail: Regola la sincronizzazione del bordo di uscita (lato posteriore).

[确认前端定时调整]

1. 确认原稿 (a) 上的线 (1) 和复印样本上的线 (2) 之间的偏移值。如果偏移值超过标准值，则按照下列步骤进行调整。

<标准值>

线 (2) 的上下偏移值： ± 2.5 mm 以内

2. 使用维修模式 U071 调整定时。

Front Head：调整前端对位（正面）

Front Tail：调整后端对位（正面）

Back Head：调整前端对位（反面）

Back Tail：调整后端对位（反面）

[선단 타이밍 확인]

1. 원고 (a) 선 (1) 과 벨크로 선 (2) 의 차이를 확인합니다. 차이가 기준치 외의 경우 다음 순서로 조정을 합니다.

<기준치>

선 (2) 의 상하차이： ± 2.5 mm 이내

2. 메인터너스 모드 U071 을 세트하고 조정을 합니다.

Front Head：선단 타이밍 (표면) 을 조정합니다.

Front Tail：후단 타이밍 (표면) 을 조정합니다.

Back Head：선단 타이밍 (뒷면) 을 조정합니다.

Back Tail：후단 타이밍 (뒷면) 을 조정합니다.

[先端タイミング確認]

1. 原稿 (a) の線 (1) とコピーサンプルの線 (2) のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。

<基準値>

線 (2) の上下ずれ： ± 2.5 mm 以内

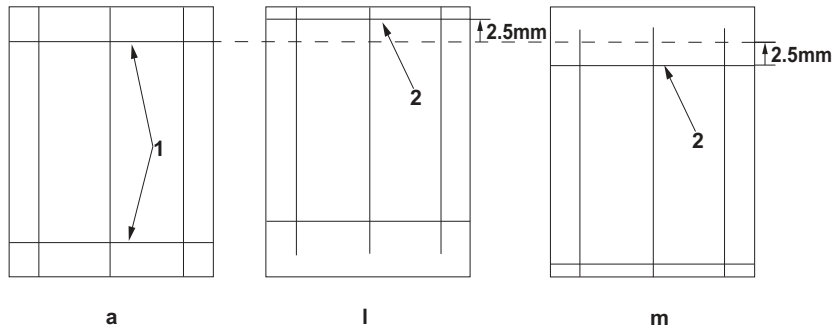
2. メンテナンスモード U071 をセットし、調整を行う。

Front Head：先端タイミング (表面) を調整する

Front Tail：後端タイミング (表面) を調整する

Back Head：先端タイミング (裏面) を調整する

Back Tail：後端タイミング (裏面) を調整する



3. Adjust the values.

For the faster leading edge timing, copy examples (l): Decreases the value.

For the slower leading edge timing, copy examples (m): Increases the value.

Amount of change per step: 0.17 mm

4. Perform a test copy.

5. Repeat the steps 2 to 4 above until the gap of line (2) of copy example shows the reference value.

<Reference value>

Vertical gap of line (2): within ± 2.5 mm

3. Régler les valeurs.

Pour les exemples de copie dont la synchronisation du bord avant est plus rapide (l) : diminuer la valeur.

Pour les exemples de copie dont la synchronisation du bord avant est plus lente (m) : augmenter la valeur.

Changement par graduation d'échelle : 0,17 mm

4. Effectuer une copie de test.

5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique la valeur de référence.

<Valeur de référence>

Écart vertical de la ligne (2) : $\pm 2,5$ mm

3. Ajuste los valores.

Para una sincronización más rápida de extremo guía, ejemplos de copia (l): disminuye el valor.

Para una sincronización más lenta de extremo guía, ejemplos de copia (m): aumenta el valor.

Magnitud del cambio por incremento: 0,17 mm

4. Haga una copia de prueba.

5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) del ejemplo de copia presente el valor de referencia.

<Valor de referencia>

Separación vertical de la línea (2): dentro de $\pm 2,5$ mm

3. Die Werte einstellen.

Für den schnelleren Vorderkantentakt, Kopierbeispiel (l): Den Wert verringern.

Für den langsameren Vorderkantentakt, Kopierbeispiel (m): Den Wert erhöhen.

Änderung pro Schritt: 0,17 mm

4. Eine Testkopie erstellen.

5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels den Bezugswert aufweist.

<Bezugswert>

Vertikaler Abstand der Linie (2): Innerhalb $\pm 2,5$ mm

3. Regolare i valori.

Per accelerare la fasatura del bordo di entrata, esempi di copia (l): riduce il valore.

Per rallentare la fasatura del bordo di entrata, esempi di copia (m): aumenta il valore.

Entità modifica per passo: 0,17 mm

4. Eseguire una copia di prova

5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento.

<Valore di riferimento>

Scostamento verticale della linea (2) compreso fra $\pm 2,5$ mm

3. 調整設定値。

在前端定时偏快时 复印样本(1): 调低设定值

在前端定时偏慢时 复印样本(m): 调高设定值

设定值的一个调整单位变化量: 0.17mm

4. 进行测试复印。

5. 重复上述步骤 2 到 4, 直至复印样本上的线(2)的偏移值达到标准值范围内。

<标准值>

线(2)的上下偏移值: ± 2.5 mm 以内

3. 설정치를 조정합니다.

선단 타이밍이 빠른 경우 벨크로 (l): 설정치를 내립니다.

선단 타이밍이 늦은 경우 벨크로 (m): 설정치를 올립니다.

1 스텝당 변화량: 0.17mm

4. 벨크로를 합니다.

5. 벨크로 선 (2) 의 차이가 기준치내가 될 때까지 2 ~ 4 를 반복합니다 .

<기준치>

선 (2) 의 상하차이: ± 2.5 mm 이내

3. 設定値を調整する。

先端タイミングが早い場合コピーサンプル (1): 設定値を下げる。

先端タイミングが遅い場合コピーサンプル (m): 設定値を上げる。

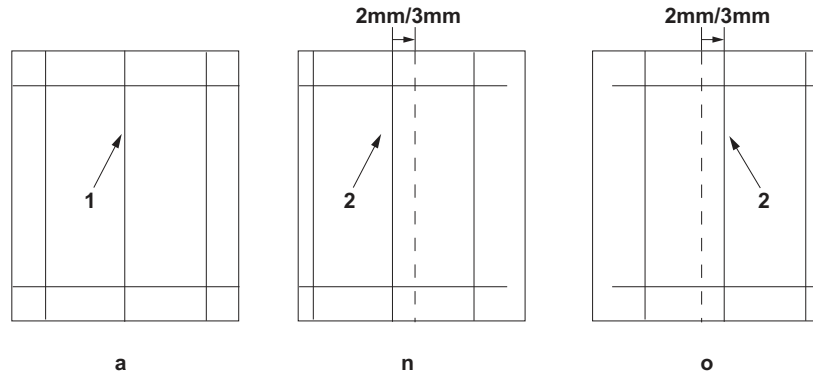
1 ステップ当たりの変化量: 0.17mm

4. テストコピーを行う。

5. コピーサンプルの線 (2) のずれが基準値内になるまで手順 2 ~ 4 を繰り返す。

<基準値>

線 (2) の上下ずれ: ± 2.5 mm 以内



[Checking the center line]

1. Check the gap between center line (1) on original (a) and center line (2) of copy example. If the gap exceeds the reference value, adjust the gap according to the following procedure.
<Reference value>
Horizontal difference of center line (2) for the single copying: ± 2.0 mm
Horizontal difference of center line (2) for the duplex copying: ± 3.0 mm

2. Use the maintenance mode U072 to adjust the timing.
Front: Adjusts the center line (surface)
Back: Adjusts the center line (rear side)

[Vérification de la ligne médiane]

1. Vérifier l'écart entre l'axe (1) de l'original (a) et l'axe (2) de l'exemple de copie. Si l'écart excède la valeur de référence, le régler selon la procédure suivante.
<Valeur de référence>
Différence horizontale de l'axe (2) pour la copie recto : $\pm 2,0$ mm
Différence horizontale de l'axe (2) pour la copie recto-verso : $\pm 3,0$ mm

2. Pour régler la ligne médiane, utiliser le mode entretien U072.
Front: Permet de régler l'axe (surface)
Back: Permet de régler l'axe (arrière)

[Verificación de la línea central]

1. Compruebe la separación entre la línea de centro (1) del original (a) y la línea de centro (2) del ejemplo de copia. Si la separación supera el valor de referencia, ajústela siguiendo este procedimiento.
<Valor de referencia>
Diferencia horizontal de la línea de centro (2) para el copiado por una cara: $\pm 2,0$ mm

- Diferencia horizontal de la línea de centro (2) para el copiado dúplex: $\pm 3,0$ mm
2. Para ajustar la línea central utilice el modo de mantenimiento U072.
Front: ajusta la línea central (anverso).
Back: ajusta la línea central (reverso).

[Überprüfen der Mittellinie]

1. Den Abstand zwischen der Mittellinie (1) des Originals (a) und der Mittellinie (2) des Kopierbeispiels prüfen. Wenn der Abstand größer als der Bezugswert ist, den Abstand mit dem folgenden Verfahren einstellen.
<Bezugswert>
Horizontaler Unterschied der Mittellinie (2) für die Einzelkopie: $\pm 2,0$ mm
Horizontaler Unterschied der Mittellinie (2) für die Duplexkopie: $\pm 3,0$ mm

2. Zum Einstellen der Mittellinie den Wartungsmodus U072 verwenden.
Front: Zur Einstellung der Mittellinie (Oberfläche)
Back: Zur Einstellung der Mittellinie (Rückseite)

[Controllo della linea centrale]

1. Verificare lo scostamento fra la linea centrale (1) sull'originale (a) e la linea centrale (2) dell'esempio di copia. Se lo scostamento supera il valore di riferimento, regolare lo scostamento stesso seguendo questa procedura.
<Valore di riferimento>
Differenza orizzontale della linea centrale (2) per la copia singola: $\pm 2,0$ mm
Differenza orizzontale della linea centrale (2) per la copia duplex: $\pm 3,0$ mm

2. Usare la modalità di manutenzione U072 per regolare la linea centrale.
Front: Regola la linea centrale (superficie)
Back: Regola la linea centrale (lato posteriore)

[确认中心线]

1. 确认原稿 (a) 中心线 (1) 和复印样本中心线 (2) 之间的偏移值。如果偏移值超过标准值, 则按照下列步骤进行调整。
<标准值> 单面复印时, 中心线 (2) 的左右偏移值: ± 2.0 mm 以内
双面复印时, 中心线 (2) 的左右偏移值: ± 3.0 mm 以内

2. 使用维修模式 U072 调整中心线。
Front: 中心位置 (正面) 的调整
Back: 中心位置 (反面) 的调整

[센터 라인 확인]

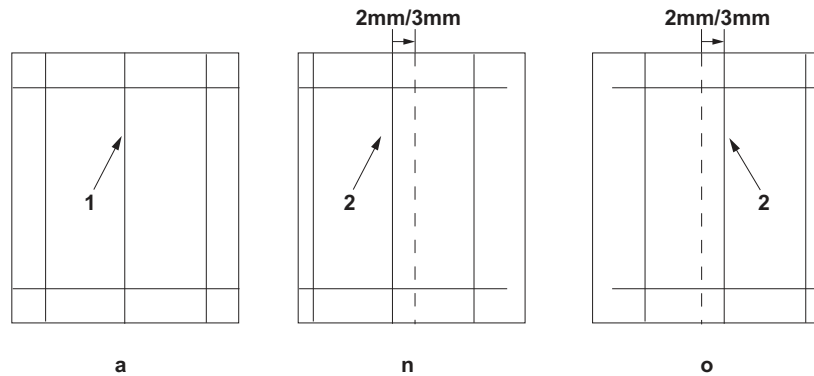
1. 원고 (a) 센터라인 (1) 과 벨크로 센터라인 (2) 의 차이를 확인합니다 . 차이가 기준치 외의 경우 다음 순서로 조정합니다 .
< 기준치 > 단면의 경우 센터라인 (2) 의 좌우차이: ± 2.0 mm 이내
양면의 경우 센터라인 (2) 의 좌우차이: ± 3.0 mm 이내

2. 메인テナンス 모드 U072 을 세트하고 조정을 합니다 .
Front: 센터 위치 (표면) 의 조정
Back: 센터 위치 (뒷면) 의 조정

[センターライン確認]

1. 原稿 (a) の中心線 (1) とコピーサンプルの中心線 (2) のずれを確認する。ずれが基準値外の場合、次の手順で調整を行う。
<基準値> 片面の場合、中心線 (2) の左右ずれ: ± 2.0 mm 以内
両面の場合、中心線 (2) の左右ずれ: ± 3.0 mm 以内

2. メンテナンスモード U072 をセットし、調整を行う。
Front: センター位置 (表面) の調整
Back: センター位置 (裏面) の調整



3. Adjust the values.

If the center moves more front, copy example (n): Increases the value.
 If the center moves inner, copy sample (o): Decreases the value.
 Amount of change per step: 0.085 mm

4. Perform a test copy.

5. Repeat the steps 2 to 4 above until the gap of line (2) of copy example shows the reference value.

<Reference value>

Horizontal difference of center line (2) for the single copying: ± 2.0 mm

Horizontal difference of center line (2) for the duplex copying: ± 3.0 mm

3. Régler les valeurs.

Pour l'exemple de copie (n) dont l'axe se déplace davantage vers l'avant : augmenter la valeur.

Pour l'exemple de copie (o) dont l'axe se déplace vers l'intérieur : diminuer la valeur.

Changement par graduation d'échelle : 0,085 mm

4. Effectuer une copie de test.

5. Répéter les étapes 2 à 4 jusqu'à ce que l'écart de la ligne (2) de l'exemple de copie indique la valeur de référence.

<Valeur de référence>

Différence horizontale de l'axe (2) pour la copie recto : $\pm 2,0$ mm

Différence horizontale de l'axe (2) pour la copie recto-verso : $\pm 3,0$ mm

3. Ajuste los valores.

Si el centro se desplaza más hacia el frente, ejemplo de copia (n): aumenta el valor.

Si el centro se desplaza hacia dentro, ejemplo de copia (o): disminuye el valor.

Magnitud del cambio por incremento: 0,085 mm

4. Haga una copia de prueba.

5. Repita los pasos 2 a 4 anteriores hasta que la separación de la línea (2) del ejemplo de copia presente el valor de referencia.

<Valor de referencia>

Diferencia horizontal de la línea de centro (2) para el copiado por una cara: $\pm 2,0$ mm

Diferencia horizontal de la línea de centro (2) para el copiado dúplex: $\pm 3,0$ mm

3. Die Werte einstellen.

Wenn die Mitte nach vorne verlagert ist, Kopierbeispiel (n): Den Wert erhöhen.

Wenn die Mitte nach innen verlagert ist, Kopierbeispiel (o): Den Wert verringern.

Änderung pro Schritt: 0,085 mm

4. Eine Testkopie erstellen.

5. Die Schritte 2 bis 4 wiederholen, bis der Abstand der Linie (2) des Kopierbeispiels den Bezugswert aufweist.

<Bezugswert>

Horizontaler Unterschied der Mittellinie (2) für die Einzelkopie: $\pm 2,0$ mm

Horizontaler Unterschied der Mittellinie (2) für die Duplexkopie: $\pm 3,0$ mm

3. Regolare i valori.

Se il centro si sposta più avanti, esempio di copia (n): aumenta il valore.

Se il centro si sposta verso l'interno, esempio di copia (o): riduce il valore.

Entità modifica per passo: 0,085 mm

4. Eseguire una copia di prova

5. Ripetere le operazioni sopra descritte da 2 a 4 fino a quando lo scostamento della linea (2) dell'esempio di copia riporterà i valori di riferimento.

<Valore di riferimento>

Differenza orizzontale della linea centrale (2) per la copia singola: $\pm 2,0$ mm

Differenza orizzontale della linea centrale (2) per la copia duplex: $\pm 3,0$ mm

3. 調整設定値。

当中心向前偏移时 复印样本 (n) : 调高设定值

当中心向内偏移时 复印样本 (o) : 调低设定值

设定值的一个调整单位变化量 : 0.085mm

4. 进行测试复印。

5. 重复上述步骤 2 到 4, 直至复印样本上的线 (2) 的偏移值达到标准值范围内。

<标准值>

单面复印时, 中心线 (2) 的左右偏移值 : ± 2.0 mm 以内

双面复印时, 中心线 (2) 的左右偏移值 : ± 3.0 mm 以内

3. 설정치를 조정합니다 .

센터가 더 앞으로 이동한 경우의 샘플 카피 (n): 설정치를 높입니다 .

센터가 더 안쪽으로 이동한 경우의 샘플 카피 (o) : 설정치를 내립니다 .

1 스텝당 변화량:0.085mm

4. 벨크로를 합니다 .

5. 벨크로 센터라인 (2) 차이가 기준치 내가 될 때까지 순서 2 ~ 4 를 반복 합니다 .

< 기준치 >

단면의 경우 센터라인 (2) 의 좌우차이: ± 2.0 mm 이내

양면의 경우 센터라인 (2) 의 좌우차이: ± 3.0 mm 이내

3. 設定値を調整する。

センターが手前にずれている場合コピーサンプル (n): 設定値を上げる。

センターが奥にずれている場合コピーサンプル (o) 設定値を下げる。

1 ステップ当たりの変化量:0.085mm

4. テストコピーを行う。

5. コピーサンプルの中心線 (2) ずれが基準値内になるまで手順 2 ~ 4 を繰り返す。

<基準値>

片面の場合、中心線 (2) の左右ずれ: ± 2.0 mm 以内

両面の場合、中心線 (2) の左右ずれ: ± 3.0 mm 以内

PF-791 (500 x 2 Paper feeder)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

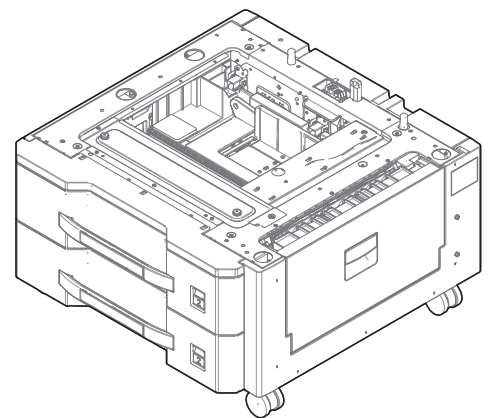
GUIDA ALL'INSTALLAZIONE

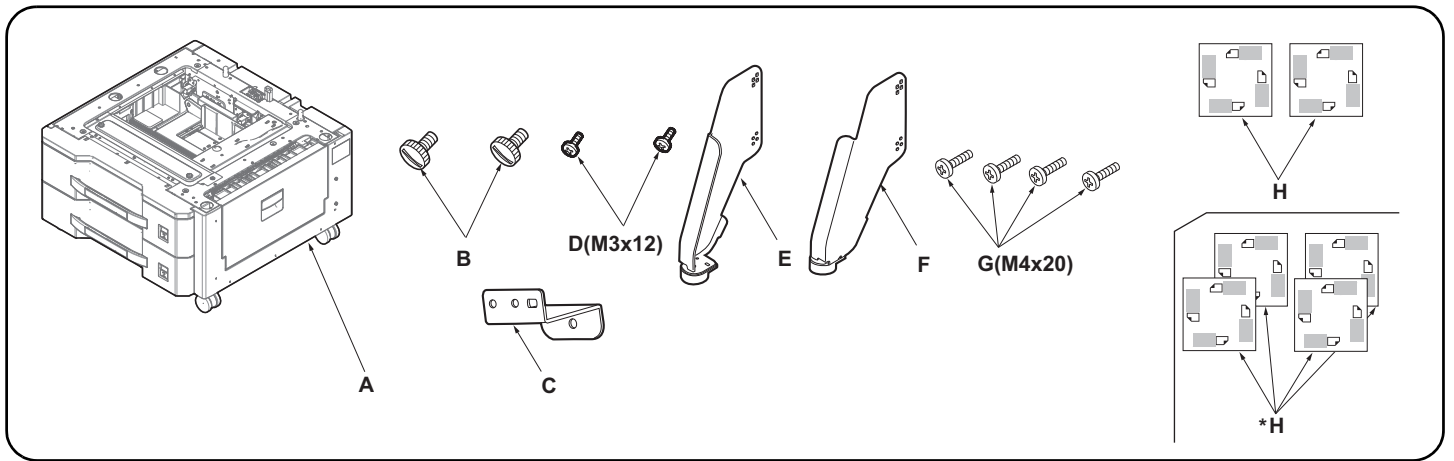
安装手册

설치안내서

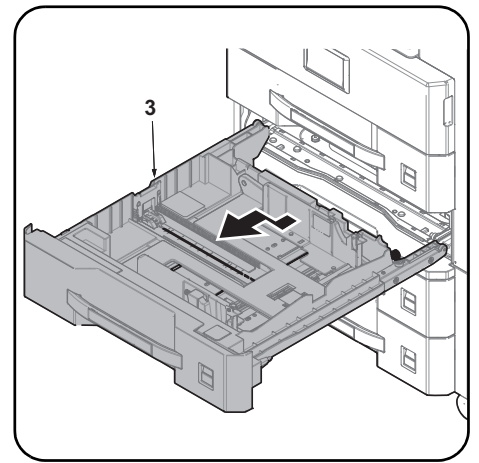
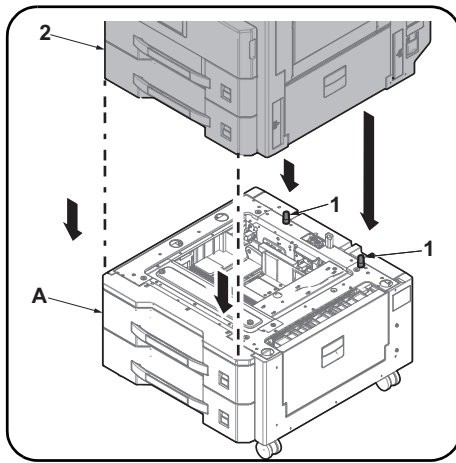
設置手順書

PF-791





<p>English</p> <p>Supplied parts</p> <p>A. Paper feeder 1</p> <p>B. Pin 2</p> <p>C. Retainer 1</p> <p>D. S Tite screw M3 x 12 2</p>	<p>E. Stopper R 1</p> <p>F. Stopper L 1</p> <p>G. S Tite screws M4 x 20 4</p> <p>H. Paper size plate 2</p>	<p>Be sure to remove any tape and/or cushioning materials from the parts supplied.</p>
<p>Français</p> <p>Pièces fournies</p> <p>A. Chargeur de papier 1</p> <p>B. Broche 2</p> <p>C. Élément de retenue 1</p> <p>D. Vis S Tite M3 x 12 2</p>	<p>E. Butée R 1</p> <p>F. Butée L 1</p> <p>G. Vis S Tite M4 x 20 4</p> <p>H. Plaquette du format de papier 2</p>	<p>Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.</p>
<p>Español</p> <p>Partes suministradas</p> <p>A. Depósito de papel 1</p> <p>B. Clavija 2</p> <p>C. Retén 1</p> <p>D. Tornillos S Tite M3 x 12 2</p>	<p>E. Tope R 1</p> <p>F. Tope L 1</p> <p>G. Tornillo S Tite M4 x 20 4</p> <p>H. Placa de tamaño de papel 2</p>	<p>Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.</p>
<p>Deutsch</p> <p>Enthaltene Teile</p> <p>A. Papiereinzug 1</p> <p>B. Stift 2</p> <p>C. Halterung 1</p> <p>D. S-Tite-Schrauben M3 x 12 2</p>	<p>E. Anschlag R 1</p> <p>F. Anschlag L 1</p> <p>G. S-Tite-Schraube M4 x 20 4</p> <p>H. Papierformatkarte 2</p>	<p>Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.</p>
<p>Italiano</p> <p>Parti fornite</p> <p>A. Unità di alimentazione della carta 1</p> <p>B. Perno 2</p> <p>C. Fermo 1</p> <p>D. Vite S Tite M3 x 12 2</p>	<p>E. Fermo R 1</p> <p>F. Fermo L 1</p> <p>G. Vite S Tite M4 x 20 4</p> <p>H. Piastra formato carta 2</p>	<p>Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.</p>
<p>简体中文</p> <p>附属品</p> <p>A. 供纸盒 1</p> <p>B. 销 2</p> <p>C. 安装板 1</p> <p>D. 紧固型 S 螺丝 M3 x 12 2</p>	<p>E. 防止倾斜工具 R 1</p> <p>F. 防止倾斜工具 L 1</p> <p>G. 紧固型 S 螺丝 M4 x 20 4</p> <p>H. 纸张尺寸插片 4*</p>	<p>如果附属品上带有固定胶带, 缓冲材料时务必揭下。</p>
<p>한국어</p> <p>동봉품</p> <p>A. 급지대 1</p> <p>B. 핀 2</p> <p>C. 리테이너 1</p> <p>D. 나사 M3x12 S 타이트 2</p>	<p>E. 스톱퍼 R 1</p> <p>F. 스톱퍼 L 1</p> <p>G. 나사 M4x20 S 타이트 4</p> <p>H. 용지 사이즈 플레이트 2</p>	<p>동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.</p>
<p>日本語</p> <p>同梱品</p> <p>A. ペーパーフィーダー 1</p> <p>B. ピン 2</p> <p>C. 取付板 1</p> <p>D. ビス M3x12 S タイト 2</p>	<p>E. 転倒防止金具 R 1</p> <p>F. 転倒防止金具 L 1</p> <p>G. ビス M4x20 S タイト 4</p> <p>H. 用紙サイズプレート 2</p>	<p>同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。</p>



Procedure

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

1. Place the machine (2) on the paper feeder (A) so that the pins (1) at the rear left and rear right of the paper feeder (A) are aligned with the holes in the base of the machine.

2. Remove the lower paper cassette (3) from the machine.

Procédure

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

1. Montez la machine (2) sur le chargeur de papier (A) de sorte que les broches (1) à l'arrière gauche et à l'arrière droit du chargeur de papier (A) soient alignés avec les trous dans la base de la machine.

2. Retirer le magasin de papier inférieur (3) de la machine.

Procedimiento

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

1. Coloque la máquina (2) sobre el depósito de papel (A) de forma que las clavijas (1) en los lados posteriores izquierdo y derecho del depósito de papel (A) estén alineadas con los orificios de la base de la máquina.

2. Quite la bandeja de papel inferior (3) de la máquina.

Vorgehensweise

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

1. Setzen Sie das Gerät (2) so auf den Papiereinzug (A), dass die Stifte (1) hinten links und hinten rechts am Papiereinzug (A) auf die Öffnungen im Boden des Geräts ausgerichtet sind.

2. Entfernen Sie die untere Papierkassette (3) aus dem Gerät.

Procedura

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

1. Posizionare la macchina (2) sull'alimentatore carta (A) in modo che i perni (1) sul lato sinistro posteriore e sul lato destro posteriore dell'alimentatore carta (A) siano allineati con i fori presenti sulla base della macchina.

2. Rimuovere il cassetto carta inferiore (3) dalla macchina.

安装步骤

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

1. 供纸盒 (A) 的左右后面的各插销 (1) 分别对准机器主机底面的孔后，将机器主机 (2) 放在供纸盒 (A) 上。

2. 取出机器的下部纸盒 (3)。

설치순서

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오.

1. 용지 급지대 (A) 의 후면 좌측과 후면 우측에 있는 핀 (1) 이 본체의 바닥면에 있는 구멍에 맞도록 본체 (2) 를 용지 급지대 (A) 위에 놓습니다.

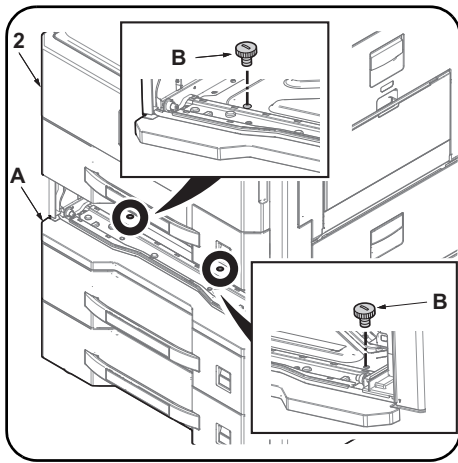
2. 하단 용지 카세트 (3) 를 본체에서 꺼냅니다.

取付手順

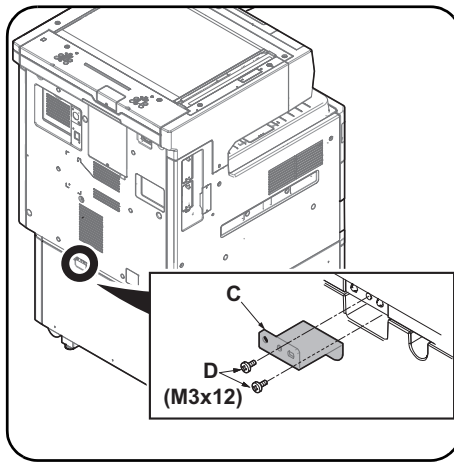
必ず機械本体の主電源スイッチをOFFにし、機械本体の電源プラグを抜いてから作業すること。

1. ペーパーフィーダー(A)の左右後方の各ピン(1)と機械本体のベースの穴が合うように、ペーパーフィーダー(A)に機械本体(2)を載せる。

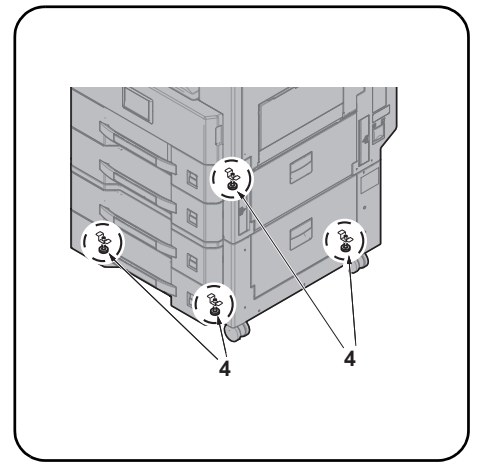
2. 機械本体の下段カセット(3)を引き出す。



3. Secure the machine (2) to the paper feeder (A) with the 2 pins (B).
4. Insert the lower paper cassette (3) into the machine.



5. Install the retainer (C) in the location as shown in the figure using 2 S Tite screws M3 x 12 (D).



6. Turn the adjusters on each corner (4) until they reach the floor and then secure the paper feeder.

3. Fixer la machine (2) au chargeur de papier (A) avec les 2 broches (B).
4. Insérez le magasin de papier inférieur (3) dans la machine.

5. Installer l'élément de retenue (C) à l'endroit indiqué sur la figure avec 2 vis S Tite M3 x 12 (D).

6. Faire tourner les dispositifs de réglage de chacun des coins (4) jusqu'à ce qu'ils touchent le sol et fixer ensuite le chargeur de papier.

3. Fije la máquina (2) al depósito de papel (A) con las dos clavijas (B).
4. Inserte el depósito de papel inferior (3) en la máquina.

5. Instale el retén (C) en el lugar que muestra la ilustración, mediante los 2 tornillos S Tite M3 x 12 (D).

6. Gire los reguladores en cada esquina (4) hasta que lleguen al piso y, a continuación, asegure el depósito de papel.

3. Sichern Sie das Gerät (2) mit den 2 Stiften (B) am Papiereinzug (A).
4. Setzen Sie die untere Papierkassette (3) ins Gerät ein.

5. Die Halterung (C) an der dargestellten Stelle mit den 2 S-Tite-Schrauben M3 x 12 (D) befestigen.

6. Die Einsteller an jeder Ecke (4) drehen, bis sie den Boden berühren, und dann den Papiereinzug sichern.

3. Fissare la macchina (2) sull'alimentatore carta (A) con i 2 perni (B).
4. Inserire il cassetto carta inferiore (3) nella macchina.

5. Installare il fermo (C) nella posizione mostrata in figura, utilizzando le 2 viti S Tite M3 x 12 (D).

6. Ruotare i regolatori (4) presenti su ciascun angolo finché vengano a contatto con il pavimento, e quindi fissare l'unità di alimentazione della carta.

3. 用 2 个固定插销 (B) 将机器主机 (2) 固定在供纸盒 (A) 上。
4. 把下部纸盒 (3) 插到机器主机中。

5. 使用 2 颗紧固型 S 螺丝 M3 x 12 (D) 将安装板 (C) 安装在图示位置。

6. 转动四角上的调节器 (4) 直至与地面接触, 然后再固定供纸盒。

3. 핀 (B) 2 개로 본체 (2) 를 급지대 (A) 에 고정합니다 .
4. 하단 용지 카세트 (3) 를 본체에 장착합니다 .

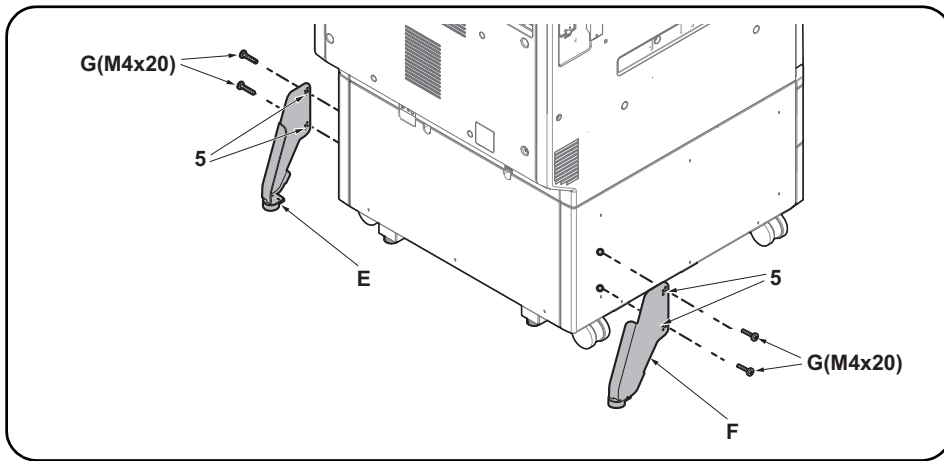
5. 나사 M3 x 12 S 타이트 (D) 2 개를 사용하여 리테이너 (C) 를 그림에 표시된 위치에 설치 합니다 .

6. 각 모서리에 위치하는 어저스터 (4) 를 맨 안 쪽에 닿을 때까지 돌려 급지대를 고정합니다 .

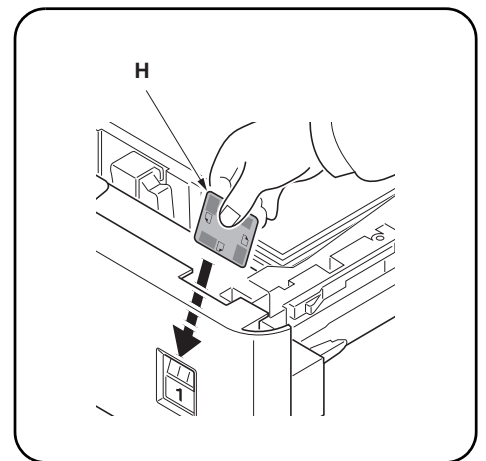
3. 핀 (B) 2 本で機械本体 (2) をペーパーフィーダー (A) に固定する。
4. 下段カセット (3) を機械本体に挿入する。

5. イラストの位置に取付板 (C) をビス M3 x 12 S タイト (D) 2 本で取り付ける。

6. 四隅のアジャスター (4) を床に接触する位置まで回し、ペーパーフィーダーを固定する。



7. Select holes (5) and install each stopper (E,F) with 2 S Tite screws M4 x 20 (G) so that the stoppers will be grounded on the floor.



Setting paper size plate

Insert the paper size plate (H) into the size display slot.

7. Sélectionner les trous (5) et installer chaque butée (E,F) avec 2 vis S Tite M4 x 20 (G) de sorte que les butées reposent sur le sol.

Réglage de la plaquette du format de papier
Insérez la plaquette de format de papier (H) dans le logement d'affichage du format.

7. Seleccione los orificios (5) e instale cada tope (E,F) con los 2 tornillos S Tite M4 x 20 (G) de manera que los topes se conecten a tierra en el suelo.

Ajuste de la placa de tamaño de papel
Inserte la placa de tamaño de papel (H) en la ranura de visualización de tamaño.

7. Wählen Sie die Öffnungen (5) und befestigen Sie jeden Anschlag (E,F) mit den 2 S-Tite-Schrauben M4 x 20 (G) so an, dass die Anschläge am Boden aufsitzen.

Einsetzen der Papierformatkarte
Setzen Sie die Papierformatkarte (H) in den Schlitz der Formatanzeige ein.

7. Selezionare i fori (5) ed installare ogni fermo (E,F) con le 2 viti S Tite M4 x 20 (G) in modo che i fermi siano posti a terra sul pavimento.

Inserimento della piastra formato carta
Inserire la piastra di formato carta (H) nello slot di indicazione formato.

7. 在孔 (5) 处各用 2 颗 M4×20 紧固型 S 螺丝 (G) 安装防止倾斜工具 (E,F), 使之和地板接触。

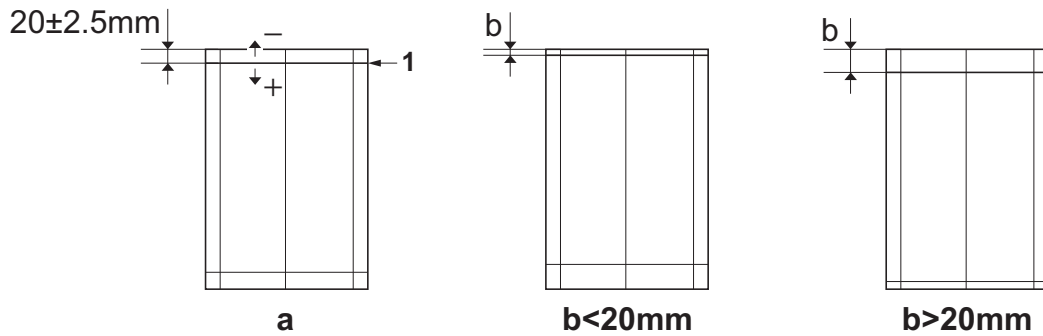
设定纸张尺寸插片
将纸张尺寸插片 (H) 插入到尺寸表示插槽内。

7. 구멍 (5) 을 선택해 스톱퍼 (E,F) 가 바닥면에 닿도록 나사 M4×20 S 타이트 (G) 2 개를 사용하여 설치합니다 .

용지 사이즈 플레이트 장착하기
용지 크기 플레이트 (H) 를 해당 사이즈 디스플레이 슬롯에 삽입합니다 .

7. 転倒防止金具 (E,F) が床面に接地するように、穴(5)を選択してビス M4×20 S タイト (G) 各 2 本で取り付け。

用紙サイズプレートのセット
用紙サイズプレート (H) を、サイズ表示スロットに挿入する。



Adjusting the leading edge timing

The reference value for the leading edge timing is 20 ± 2.5 mm at position (1) in the sample image (a). If the timing is outside this range, perform the following adjustment.

1. Set maintenance mode U034, select [LSU Out Top] and [Cassette(L)].
2. Adjust the values.
b < 20mm : Increase the setting value. b > 20mm : Decrease the setting value.
3. Press the Start key to confirm the setting value.

Réglage de la synchronisation du bord de tête

La valeur de référence pour la synchronisation du bord de tête est de $20 \pm 2,5$ mm à la position (1) sur l'image d'exemple (a). Si la synchronisation est hors de cette plage, procéder au réglage suivant.

1. Passer en mode maintenance U034, sélectionner [LSU Out Top] et [Cassette(L)].
2. Régler les valeurs.
b < 20mm : Augmentez la valeur de réglage. b > 20mm : Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Cómo ajustar la sincronización del borde superior

El valor de referencia para la sincronización del borde anterior es $20 \pm 2,5$ mm en la posición (1) en la imagen de muestra (a). Si la sincronización estuviera fuera de este rango, haga el siguiente ajuste.

1. Entre al modo de mantenimiento U034, seleccione [LSU Out Top] y [Cassette(L)].
2. Ajuste los valores.
b < 20mm : Aumente el valor de configuración. b > 20mm : Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen des Vorderkanten-Timing

Der Bezugswert des Vorderkantenabstands beträgt $20 \pm 2,5$ mm an Position (1) des Beispieldokuments (a). Falls das Timing außerhalb dieses Bereichs liegt, ist folgende Einstellung vorzunehmen.

1. Schalten Sie in den Wartungsmodus U034, wählen Sie [LSU Out Top] und [Cassette(L)].
2. Die Werte einstellen.
b < 20mm : Den Einstellwert erhöhen. b > 20mm : Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della sincronizzazione del bordo principale

Il valore di riferimento per la sincronizzazione del bordo superiore è pari a $20 \pm 2,5$ mm sulla posizione (1) nell'immagine di esempio (a). Se la sincronizzazione è all'infuori di questa gamma, effettuare la regolazione seguente.

1. Impostare la modalità manutenzione U034, selezionare [LSU Out Top] e [Cassette(L)].
2. Regolare i valori.
b < 20mm : Aumentare il valore dell'impostazione. b > 20mm : Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

前端对位调节

前端对位的基准值在图像样张 (a) 的 (1) 位置为 20 ± 2.5 mm。超出该范围时，须进行以下调节。

1. 设置维护模式 U034，选择 [LSU Out Top]、[Cassette(L)]。
2. 调整设定值。
b < 20mm : 调高设定值。 b > 20mm : 调低设定值。
3. 按 Start 键，以确定设定值。

선단 타이밍 조정

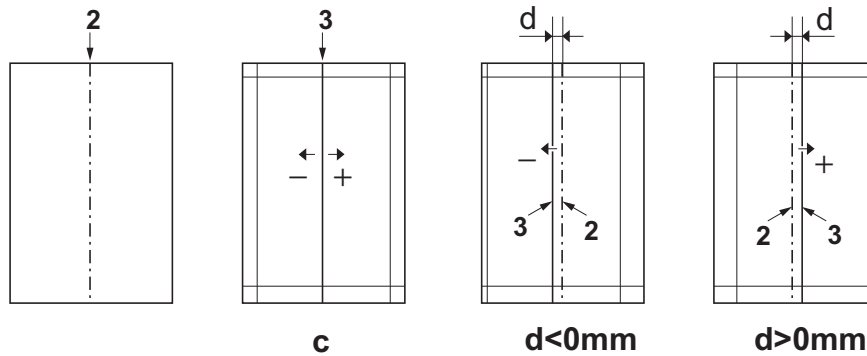
선단 타이밍은 샘플화상 (a) 의 (1) 위치에서 기준치는 20 ± 2.5 mm. 여기에서 벗어나는 것은 이하의 조정을 합니다.

1. 메인터넌스 모드 U034 를 세트하고 [LSU Out Top], [Cassette(L)] 을 선택합니다.
2. 설정치를 조정합니다.
b < 20mm : 설정치를 높입니다. b > 20mm : 설정치를 내립니다.
3. 시작키를 누르고 설정치를 확인합니다.

先端タイミング調整

先端タイミングは、サンプルイメージ (a) の (1) の位置で基準値は 20 ± 2.5 mm. これから外れるときは以下の調整をおこなう。

1. メンテナンスモード U034 をセットし、[LSU Out Top]、[Cassette(L)] を選択する。
2. 設定値を調整する。
b < 20mm : 設定値を上げる。 b > 20mm : 設定値を下げる。
3. スタートキーを押し、設定値を確定する。



Adjusting the center line

The reference value for the center line(2) is ± 2.0 mm or less at position (3) in the sample image (c). If the center line position is outside this range, perform the following adjustment.

1. Set maintenance mode U034, select [LSU Out Left] and [Cassette3] or [Cassette4].
2. Adjust the values.
 $d < 0$ mm : Increase the setting value. $d > 0$ mm : Decrease the setting value.
3. Press the Start key to confirm the setting value.

Réglage de l'axe

La valeur de référence pour l'axe (2) est de $\pm 2,0$ mm ou moins à la position (3) sur l'image d'exemple (c). Si la position de l'axe est hors de cette plage, effectuez le réglage suivant.

1. Passer en mode maintenance U034, sélectionner [LSU Out Left] et [Cassette3] ou [Cassette4].
2. Régler les valeurs.
 $d < 0$ mm : Augmentez la valeur de réglage. $d > 0$ mm : Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la línea central

El valor de referencia para la línea central (2) es $\pm 2,0$ mm o menos en la posición (3) en la imagen de muestra (c). Si la posición de la línea central estuviera fuera de este rango, haga el siguiente ajuste.

1. Entre al modo de mantenimiento U034, seleccione [LSU Out Left] y [Cassette3] o [Cassette4].
2. Ajuste los valores.
 $d < 0$ mm : Aumente el valor de configuración. $d > 0$ mm : Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen der Mittelinie

Der Bezugswert der Mittelinie (2) beträgt $\pm 2,0$ mm oder weniger an Position (3) des Beispieldokuments (c). Falls die Mittelinie außerhalb dieses Bereichs liegt, ist folgende Einstellung vorzunehmen.

1. Schalten Sie in den Wartungsmodus U034, wählen Sie [LSU Out Left] und [Cassette3] oder [Cassette4].
2. Die Werte einstellen.
 $d < 0$ mm : Den Einstellwert erhöhen. $d > 0$ mm : Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della linea centrale

Il valore di riferimento per la linea centrale (2) è pari a $\pm 2,0$ mm o inferiore sulla posizione (3) nell'immagine di esempio (c). Se la posizione della linea centrale è all'infuori di questa gamma, effettuare la regolazione seguente.

1. Impostare la modalità manutenzione U034, selezionare [LSU Out Left] e [Cassette3] o [Cassette4].
2. Regolare i valori.
 $d < 0$ mm : Aumentare il valore dell'impostazione. $d > 0$ mm : Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

中心线调节

中心线的基准值在图像样张(c)的(3),基准值是纸张中线位置(2)两端 ± 2.0 mm以内。超出该范围时,须进行以下调节。

1. 设置维护模式U034,选择[LSU Out Left]、[Cassette3]或[Cassette4]。
2. 调整设定值。
 $d < 0$ mm : 调高设定值。 $d > 0$ mm : 调低设定值。
3. 按Start键,以确定设定值。

센터라인 조정

센터라인(2)은 샘플화상(c)의(3)위치에서 기준치는 ± 2.0 mm 이내. 여기에서 벗어나는 것은 이하의 조정을 합니다.

1. 메인テナンス 모드 U034 를 세트하고 [LSU Out Left], [Cassette3] 또는 [Cassette4] 를 선택합니다.
2. 설정치를 조정합니다.
 $d < 0$ mm : 설정치를 높입니다. $d > 0$ mm : 설정치를 내립니다.
3. 시작키를 누르고 설정치를 확인합니다.

センターライン調整

センターラインは、サンプルイメージ(c)の(3)の位置で、基準値は紙のセンター(2)から ± 2.0 mm以内。これから外れるときは以下の調整をおこなう。

1. メンテナンスモードU034 をセットし、[LSU Out Left]、[Cassette3] または [Cassette4] を選択する。
2. 設定値を調整する。
 $d < 0$ mm : 設定値を上げる。 $d > 0$ mm : 設定値を下げる。
3. スタートキーを押し、設定値を確定する。

PF-810 (3000-sheets deck)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

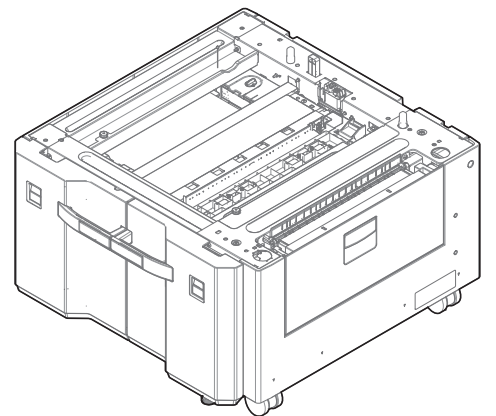
GUIDA ALL'INSTALLAZIONE

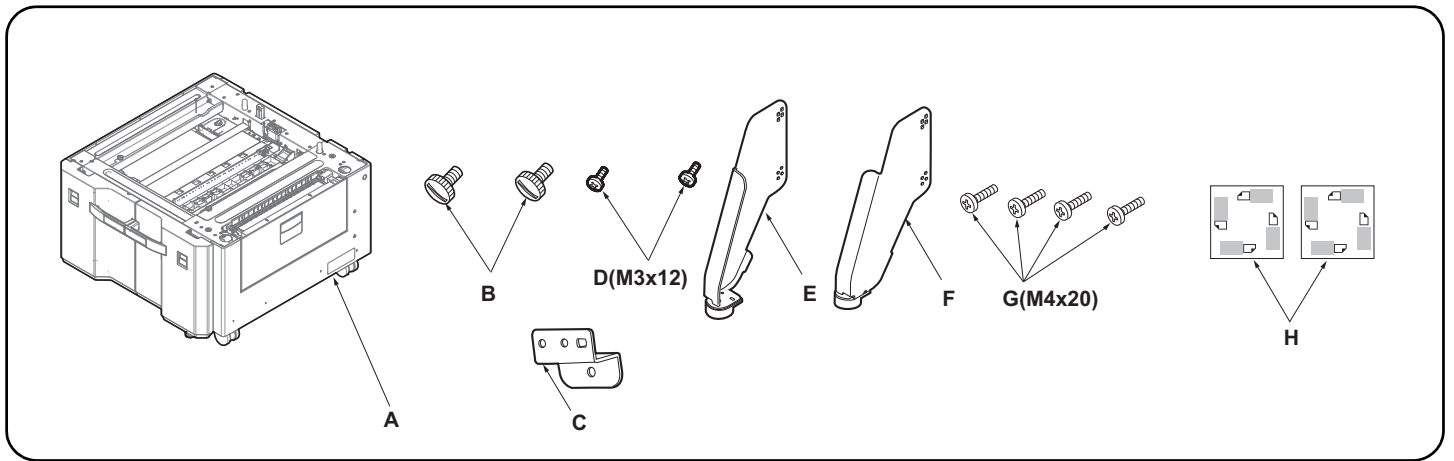
安装手册

설치안내서

設置手順書

PF-810





English

Supplied parts

A. Paper feeder	1
B. Pin	2
C. Retainer	1
D. S Tite screw M3 x 12	2

E. Stopper R	1
F. Stopper L	1
G. S Tite screws M4 x 20	4
H. Paper size plate	2

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Français

Pièces fournies

A. Chargeur de papier	1
B. Broche	2
C. Élément de retenue	1
D. Vis S Tite M3 x 12	2

E. Butée R	1
F. Butée L	1
G. Vis S Tite M4 x 20	4
H. Plaquette du format de papier	2

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Español

Partes suministradas

A. Depósito de papel	1
B. Clavija	2
C. Retén	1
D. Tornillos S Tite M3 x 12	2

E. Tope R	1
F. Tope L	1
G. Tornillo S Tite M4 x 20	4
H. Placa de tamaño de papel	2

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

Deutsch

Enthaltene Teile

A. Papiereinzug	1
B. Stift	2
C. Halterung	1
D. S-Tite-Schrauben M3 x 12	2

E. Anschlag R	1
F. Anschlag L	1
G. S-Tite-Schraube M4 x 20	4
H. Papierformatkarte	2

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

Italiano

Parti fornite

A. Unità di alimentazione della carta	1
B. Perno	2
C. Fermo	1
D. Vite S Tite M3 x 12	2

E. Fermo R	1
F. Fermo L	1
G. Vite S Tite M4 x 20	4
H. Piastra formato carta	2

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

简体中文

附属品

A. 供纸盒	1
B. 销	2
C. 安装板	1
D. 紧固型 S 螺丝 M3 x 12	2

E. 防止倾斜工具 R	1
F. 防止倾斜工具 L	1
G. 紧固型 S 螺丝 M4 x 20	4
H. 纸张尺寸插片	2

如果附属品上带有固定胶带，缓冲材料时务必揭下。

한국어

동봉품

A. 급지대	1
B. 핀	2
C. 리테이너	1
D. 나사 M3x12 S 타이트	2

E. 스톱퍼 R	1
F. 스톱퍼 L	1
G. 나사 M4x20 S 타이트	4
H. 용지 사이즈 플레이트	2

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.

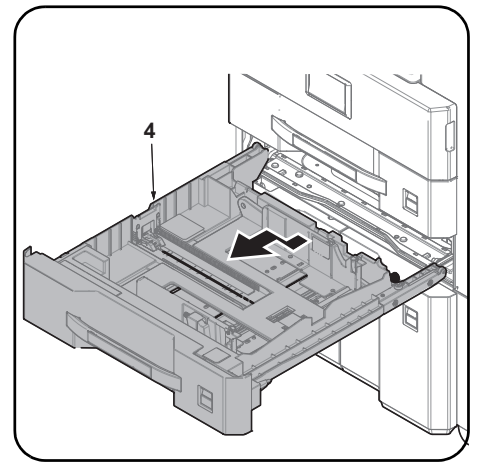
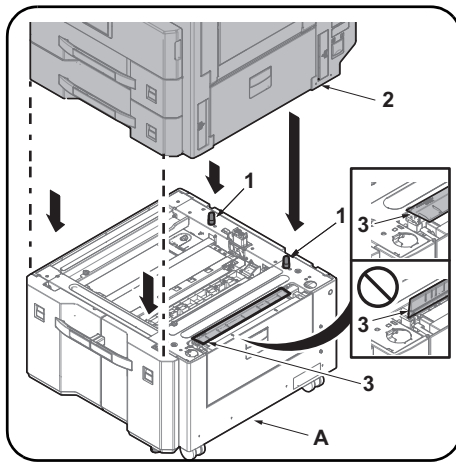
日本語

同梱品

A. ペーパーフィーダー	1
B. ピン	2
C. 取付板	1
D. ビス M3x12 S タイト	2

E. 転倒防止金具 R	1
F. 転倒防止金具 L	1
G. ビス M4x20 S タイト	4
H. 用紙サイズプレート	2

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。



Procedure

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

1. Place the machine (2) on the paper feeder (A) so that the pins (1) at the rear left and rear right of the paper feeder (A) are aligned with the holes in the base of the machine.
*Before placing the machine (2), be sure to check that the guide (3) of paper feeder (A) is in the horizontal position.

2. Remove the lower paper cassette (4) from the machine.

Procédure

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

1. Montez la machine (2) sur le chargeur de papier (A) de sorte que les broches (1) à l'arrière gauche et à l'arrière droit du chargeur de papier (A) soient alignés avec les trous dans la base de la machine.
*Avant de placer la machine (2), assurez-vous de vérifier que le guide (3) du chargeur de papier (A) est en position horizontale.

2. Retirer le magasin de papier inférieur (4) de la machine.

Procedimiento

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

1. Coloque la máquina (2) sobre el depósito de papel (A) de forma que las clavijas (1) en los lados posteriores izquierdo y derecho del depósito de papel (A) estén alineadas con los orificios de la base de la máquina.
*Antes de colocar la máquina (2), asegúrese de comprobar que la guía (3) del depósito de papel (A) está en posición horizontal.

2. Quite la bandeja de papel inferior (4) de la máquina.

Vorgehensweise

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

1. Setzen Sie das Gerät (2) so auf den Papiereinzug (A), dass die Stifte (1) hinten links und hinten rechts am Papiereinzug (A) auf die Öffnungen im Boden des Geräts ausgerichtet sind.
*Bevor Sie das Gerät (2) absetzen, überprüfen Sie, ob die Führung (3) des Papiereinzugs (A) sich in horizontaler Position befindet.

2. Entfernen Sie die untere Papierkassette (4) aus dem Gerät.

Procedura

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

1. Posizionare la macchina (2) sull'alimentatore carta (A) in modo che i perni (1) sul lato sinistro posteriore e sul lato destro posteriore dell'alimentatore carta (A) siano allineati con i fori presenti sulla base della macchina.
*Prima di installare la macchina (2), assicurarsi che la guida (3) dell'alimentatore carta (A) sia in posizione orizzontale.

2. Rimuovere il cassetto carta inferiore (4) dalla macchina.

安装步骤

安装前务必关闭机器的主电源开关, 并从墙壁插座拔下电源插头。

1. 供纸盒 (A) 的左右后面的各插销 (1) 分别对准机器主机底面的孔后, 将机器主机 (2) 放在供纸盒 (A) 上。
* 在放下供纸盒 (A) 的导板 (3) 的状态下, 将机器主机 (2) 放在供纸盒上。

2. 取出机器的下部纸盒 (4)。

설치순서

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오.

1. 용지 급지대 (A) 의 후면 좌측과 후면 우측에 있는 핀 (1) 이 본체의 바닥면에 있는 구멍에 맞도록 본체 (2) 를 용지 급지대 (A) 위에 놓습니다.
* 본체 (2) 를 배치하기 전에 용지 급지대 (A) 의 가이드 (3) 가 수평 위치인지 확인하십시오.

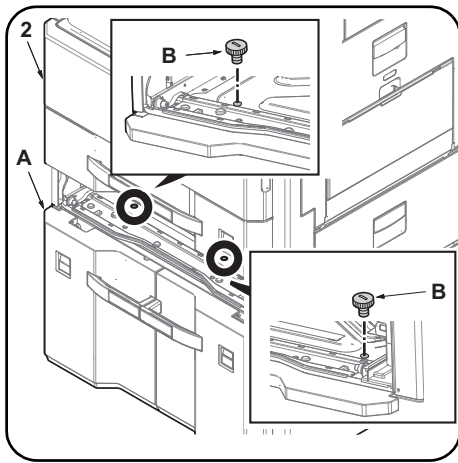
2. 하단 용지 카세트 (4) 를 본체에서 꺼냅니다.

取付手順

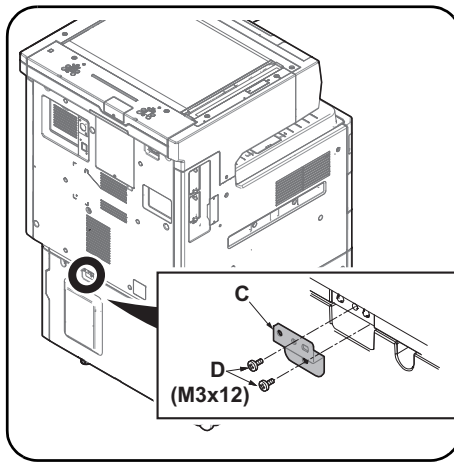
必ず機械本体の主電源スイッチをOFFにし、機械本体の電源プラグを抜いてから作業すること。

1. ペーパーフィーダー(A)の左右後方の各ピン(1)と機械本体のベースの穴が合うように、ペーパーフィーダー(A)に機械本体(2)を載せる。
*ペーパーフィーダー(A)のガイド(3)が倒れた状態で機械本体(2)を載せること。

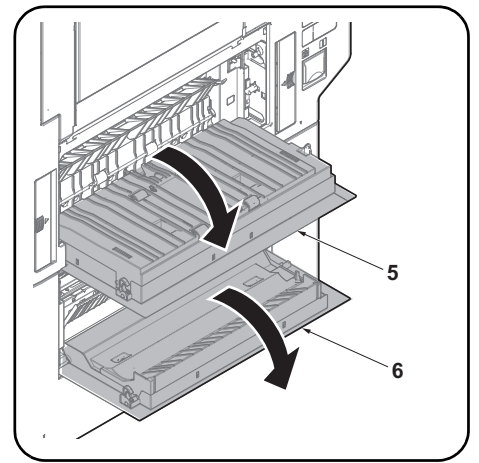
2. 機械本体の下端カセット(4)を引き出す。



3. Secure the machine (2) to the paper feeder (A) with the 2 pins (B).
4. Insert the lower paper cassette (4) into the machine.



5. Install the retainer (C) in the location as shown in the figure using 2 S Tite screws M3 x 12 (D).



6. Open the lower right cover (5) on the machine.
7. Open the paper feeder right cover (6).

3. Fixer la machine (2) au chargeur de papier (A) avec les 2 broches (B).
4. Insérez le magasin de papier inférieur (4) dans la machine.

5. Installer l'élément de retenue (C) à l'endroit indiqué sur la figure avec 2 vis S Tite M3 x 12 (D).

6. Ouvrir le capot inférieur droit (5) de la machine.
7. Ouvrir le capot droit (6) du chargeur de papier .

3. Fije la máquina (2) al depósito de papel (A) con las dos clavijas (B).
4. Inserte el depósito de papel inferior (4) en la máquina.

5. Instale el retén (C) en el lugar que muestra la ilustración, mediante los 2 tornillos S Tite M3 x 12 (D).

6. Abra la cubierta derecha inferior (5) de la máquina.
7. Abra la cubierta derecha del depós (6) ito de papel .

3. Sichern Sie das Gerät (2) mit den 2 Stiften (B) am Papiereinzug (A).
4. Setzen Sie die untere Papierkassette (4) ins Gerät ein.

5. Die Halterung (C) an der dargestellten Stelle mit den 2 S-Tite-Schrauben M3 x 12 (D) befestigen.

6. Öffnen Sie die untere rechte Abdeckung (5) des Geräts.
7. Die rechte Abdeckung (6) des Papiereinzugs öffnen.

3. Fissare la macchina (2) sull'alimentatore carta (A) con i 2 perni (B).
4. Inserire il cassetto carta inferiore (4) nella macchina.

5. Installare il fermo (C) nella posizione mostrata in figura, utilizzando le 2 viti S Tite M3 x 12 (D).

6. Aprire il pannello destro inferiore (5) sulla macchina.
7. Aprire il pannello destro (6) dell'unità di alimentazione della carta.

3. 用 2 个固定插销 (B) 将机器主机 (2) 固定在供纸盒 (A) 上。
4. 把下部纸盒 (4) 插到机器主机中。

5. 使用 2 颗紧固型 S 螺丝 M3 x 12 (D) 将安装板 (C) 安装在图示位置。

6. 打开机器主机的右下部盖板 (5)。
7. 打开供纸盒的右部盖板 (6)。

3. 핀 (B) 2 개로 본체 (2) 를 급지대 (A) 에 고정합니다 .
4. 하단 용지 카세트 (4) 를 본체에 장착합니다 .

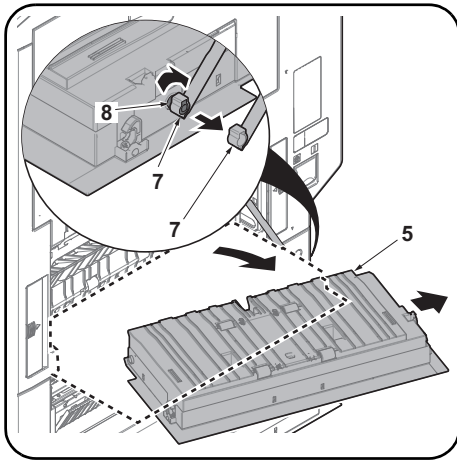
5. 나사 M3 x 12 S 타이트 (D) 2개를 사용하여 리테이너 (C) 를 그림에 표시된 위치에 설치합니다 .

6. 본체의 오른쪽 하단 커버 (5) 를 엽니다 .
7. 급지대 오른쪽 커버 (6) 를 엽니다 .

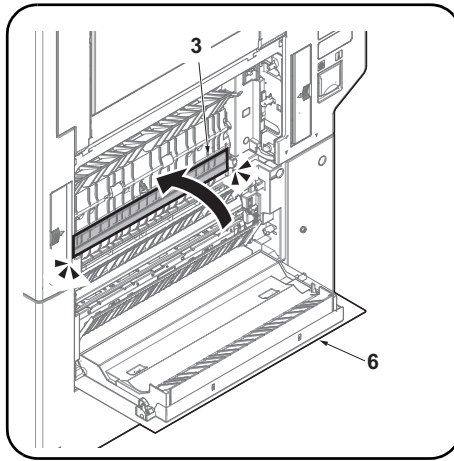
3. 핀 (B) 2 본で機械本体 (2) をペーパーフィーダー (A) に固定する。
4. 下段カセット (4) を機械本体に挿入する。

5. イラストの位置に取付板 (C) をビス M3 x 12 S タイト (D) 2本で取り付ける。

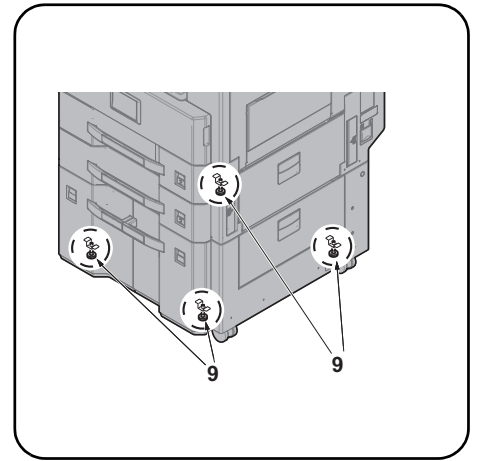
6. 機械本体の右下カバー (5) を開く。
7. ペーパーフィーダーの右カバー (6) を開く。



8. Remove the strap (7) from the shaft (8) and remove lower right cover (5).



9. Lift up the guide (3) until it clicks into place.



12. Turn the adjusters on each corner (9) until they reach the floor and then secure the paper feeder.

8. Déposer la courroie (7) de l'arbre (8) et déposer le capot inférieur droit (5).

9. Soulevez le guide (3) jusqu'à ce qu'il s'enclenche en position.

12. Faire tourner les dispositifs de réglage de chacun des coins (9) jusqu'à ce qu'ils touchent le sol et fixer ensuite le chargeur de papier.

8. Quite la correa (7) del eje (8) y quite la cubierta frontal inferior (5).

9. Levante la guía (3) hasta que encaje en su sitio con un clic.
10. Cierre la cubierta derecha del depósito de papel (6) y vuelva a colocar la cubierta derecha inferior (5) en la máquina.
11. Cierre la cubierta derecha inferior (5) de la máquina.

12. Gire los reguladores en cada esquina (9) hasta que lleguen al piso y, a continuación, asegure el depósito de papel.

8. Den Riemen (7) von der Welle (8) abnehmen und dann die untere rechte Abdeckung (5) abnehmen.

9. Heben Sie die Führung (3) an, bis diese in der korrekten Position einrastet.
10. Schließen Sie die rechte Abdeckung (6) des Papiereinzugs und setzen Sie die untere rechte Abdeckung (5) wieder im Gerät ein.
11. Schließen Sie die untere rechte Abdeckung (5) des Geräts.

12. Die Einsteller an jeder Ecke (9) drehen, bis sie den Boden berühren, und dann den Papiereinzug sichern.

8. Rimuovere la cinghietta (7) dall'asta (8) e quindi rimuovere il pannello destro inferiore (5).

9. Alzare la guida (3) fino a sentire il clic di blocco in posizione.
10. Chiudere il pannello destro (6) dell'alimentatore carta e rimontare il pannello destro inferiore (5) sulla macchina.
11. Chiudere il coperchio destro inferiore (5) sulla macchina.

12. Ruotare i regolatori (9) presenti su ciascun angolo finché vengano a contatto con il pavimento, e quindi fissare l'unità di alimentazione della carta.

8. 将带子 (7) 从轴 (8) 上拆除, 拆下右下部盖板 (5)。

9. 提起导板 (3) 直到听到咔哒音。
10. 关闭供纸盒的右部盖板 (6), 按原样安装机器的右下部盖板 (5)。
11. 关闭机器主机的右下部盖板 (5)。

12. 转动四角上的调节器 (9) 直至与地面接触, 然后再固定供纸盒。

8. 스트랩 (7) 을 축 (8) 에서 분리하고 우측 하단 커버 (5) 를 제거합니다 .

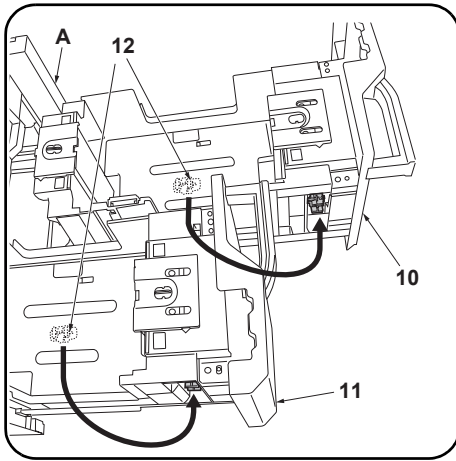
9. 제자리에 장착될 때까지 가이드 (3) 를 위로 올립니다 .
10. 급지대 오른쪽 커버 (6) 를 닫고 본체의 오른쪽 하단 커버 (5) 를 다시 부착합니다 .
11. 본체의 오른쪽 하단 커버 (5) 를 닫습니다 .

12. 각 모서리에 위치하는 어저스터 (9) 를 맨 안쪽에 닿을 때까지 돌려 급지대를 고정합니다 .

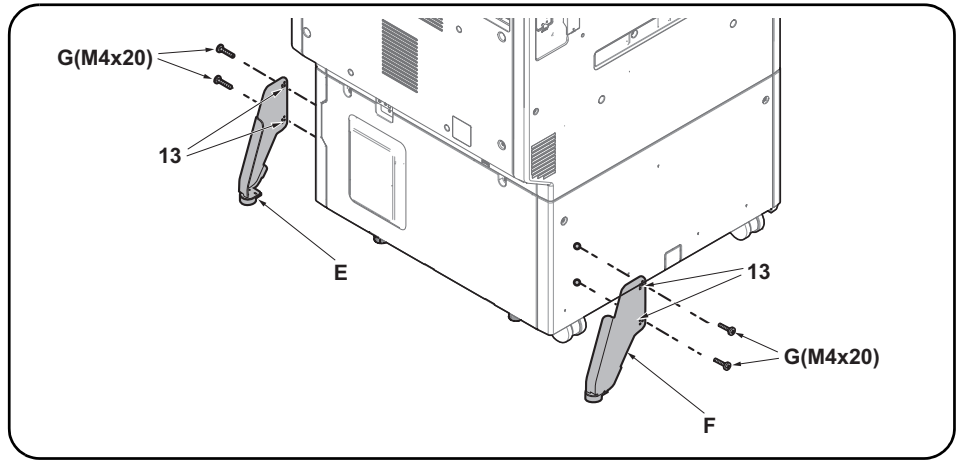
8. 스트랩 (7) を軸 (8) から外し、右下カバー (5) を取り外す。

9. カチッと音がするまでガイド (3) を立てる。
10. ペーパーフィーダーの右カバー (6) を閉じ、機械本体の右下カバー (5) を元通りに取り付け。
11. 機械本体の右下カバー (5) を閉じる。

12. 四隅のアジャスター (9) を床に接触する位置まで回し、ペーパーフィーダーを固定する。



- 13.** Pull out the right cassette (10) and the left cassette (11) from the paper feeder (A). Remove the lift plate stopper (12) from each cassette and attach it to the storage location.
- 14.** Gently close each cassette.



- 15.** Select holes (13) and install each stopper (E,F) with 2 S Tite screws M4 x 20 (G) so that the stoppers will be grounded on the floor.

- 13.** Sortez le magasin droit (10) et le magasin gauche (11) du chargeur de papier (A). Retirez la butée de la plaque de levage (12) de chaque magasin et fixez-la dans l'emplacement de stockage .
- 14.** Refermer progressivement chaque tiroir.

- 15.** Sélectionner les trous (13) et installer chaque butée (E,F) avec 2 vis S Tite M4 x 20 (G) de sorte que les butées reposent sur le sol.

- 13.** Extraiga el depósito derecho (10) y el depósito izquierdo (11) del depósito de papel (A). Quite el tope de placa de elevación (12) de cada depósito y póngalo en el espacio reservado para guardarlo .
- 14.** Cierre suavemente cada bandeja.

- 15.** Seleccione los orificios (13) e instale cada tope (E,F) con los 2 tornillos S Tite M4 x 20 (G) de manera que los topes se conecten a tierra en el suelo.

- 13.** Ziehen Sie die rechte Kasette (10) und die linke Kasette (11) aus dem Papiereinzug (A) heraus. Entfernen Sie die Verriegelung des Papierlifts (12) aus jeder Kasette und setzen Sie die Verriegelung in die Parkposition ein.
- 14.** Alle Kassetten sachte schließen.

- 15.** Wählen Sie die Öffnungen (13) und befestigen Sie jeden Anschlag (E,F) mit den 2 S-Tite-Schrauben M4 x 20 (G) so an, dass die Anschläge am Boden aufsitzen.

- 13.** Estrarre il cassetto destro (10) e il cassetto sinistro (11) dall'unità di alimentazione carta (A). Rimuovere il fermo della piastra di sollevamento (12) da ogni cassetto e fissarlo sulla posizione a riposo .
- 14.** Chiudere delicatamente ciascun cassetto.

- 15.** Selezionare i fori (13) ed installare ogni fermo (E,F) con le 2 viti S Tite M4 x 20 (G) in modo che i fermi siano posti a terra sul pavimento.

- 13.** 从供纸盒 (A) 拉出右侧纸盒 (10) 以及左侧纸盒 (11) 。
在每个纸盒上各拆下 1 个升降板限位器 (12) , 并安装在保管场所。
- 14.** 轻轻地推入各纸盒。

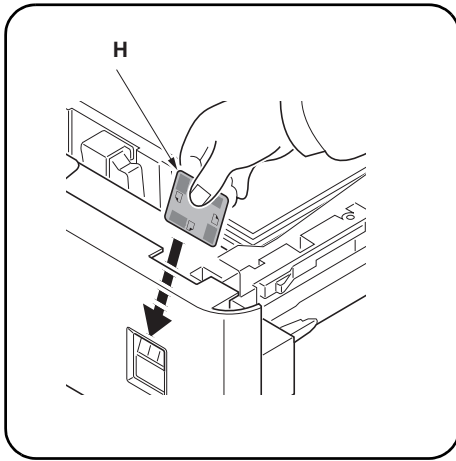
- 15.** 在孔 (13) 处各用 2 颗 M4×20 紧固型 S 螺丝 (G) 安装防止倾斜工具 (E, F) , 使之和地板接触。

- 13.** 금지대 (A) 에서 우측 카세트 (10) 와 좌측 카세트 (11) 를 꺼낸다 .
각 카세트에서 리프트 플레이트 스톱퍼 (12) 를 제거하고 보관장소에 부착합니다 .
- 14.** 각 카세트를 부드럽게 밀어 넣습니다 .

- 15.** 구멍 (13) 을 선택해 스톱퍼 (E,F) 가 바닥면에 닿도록 나사 M4×20 S 타이트 (G) 2 개를 사용하여 설치합니다 .

- 13.** 베이퍼피더 (A) のカセット右 (10) およびカセット左 (11) を引き出す。リフト板ストッパー (12) 各 1 個を外して保管場所に取り付ける。
- 14.** 各カセットを静かに押し込む。

- 15.** 転倒防止金具 (E, F) が床面に接地するように、穴 (13) を選択してビス M4×20 S タイト (G) 各 2 本で取り付けます。

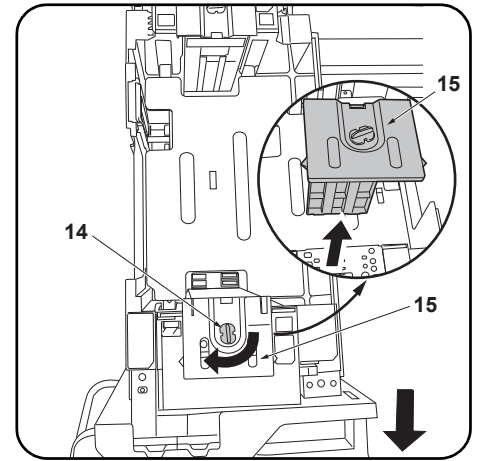


Setting paper size plate

Insert the paper size plate (H) into the size display slot.

Changing paper size (metric specifications only)

At shipment, Letter is set for inch models and A4 is set for metric models. Use the procedure below to change the size to B5.



1. Pull out the cassette of the paper feeder.
2. Turn the front lock lever (14) 90° and remove the front deck cursor (15).

Réglage de la plaquette du format de papier

Insérez la plaquette de format de papier (H) dans le logement d'affichage du format.

Modification du format du papier (pour spécifications métriques seulement)

À expédition, les modèles à mesure en pouces sont réglés sur le format Letter et les modèles à mesure métrique sur le format A4. Pour passer au format B5, procéder de la manière suivante.

1. Tirer le magasin du chargeur de papier vers soi.
2. Faire tourner le levier de verrouillage avant (14) de 90° et déposer le curseur de platine avant (15).

Ajuste de la placa de tamaño de papel

Inserte la placa de tamaño de papel (H) en la ranura de visualización de tamaño.

Cómo cambiar el tamaño de papel (sólo para las especificaciones métricas)

En el momento de salida de fábrica, se configura Carta para los modelos en pulgadas y A4 para los modelos en sistema métrico. Siga este procedimiento para cambiar el tamaño a B5.

1. Abra el casete del depósito de papel.
2. Gire la palanca de bloqueo frontal (14) 90° y quite el cursor frontal de la plataforma (15).

Einsetzen der Papierformatkarte

Setzen Sie die Papierformatkarte (H) in den Schlitz der Formatanzeige ein.

Ändern des Papierformats (nur metrische Spezifikationen)

Beim Werksversand ist bei Modellen mit Zollmaß das Format Letter voreingestellt und bei Modellen mit metrischem Maß das Format A4. Das Format kann wie folgend auf B5 umgeschaltet werden.

1. Ziehen Sie die Papierlade aus dem Papiererinzug.
2. Den vorderen Verriegelungshebel (14) um 90° drehen und den vorderen Konsole-Cursor (15) abnehmen.

Inserimento della piastra formato carta

Inserire la piastra di formato carta (H) nello slot di indicazione formato.

Cambio del formato della carta (solo per le specifiche metriche)

Al momento della spedizione, Letter è impostato per le specifiche in pollici e A4 è impostato per le specifiche metriche. Usare la procedura riportata sotto per cambiare il formato a B5.

1. Estrarre il cassetto dell'unità di alimentatore della carta.
2. Ruotare la leva frontale di blocco (14) di 90° e rimuovere il cursore frontale del deck (15).

设定纸张尺寸插片

将纸张尺寸插片(H)插入到尺寸表示插槽内。

纸张尺寸更改(仅限公制规格)

产品出厂时,英制规格设定为Letter、公制规格设定为A4。要将尺寸更改为B5时,请按以下步骤进行操作。

1. 拉出供纸盒的纸盒。
2. 将前部锁定杆(14)旋转90°,拆下堆纸板前部游标(15)。

용지 사이즈 플레이트 세팅

용지 사이즈 플레이트(H)를 해당 사이즈 디스플레이 슬롯에 삽입합니다.

용지 크기 변경(센치 사양만)

출하시, 인치사양은 Letter, 센치사양은 A4로 설정되어 있습니다. 크기를 B5로 변경하는 경우에는 다음 순서를 진행해 주십시오.

1. 급지대 카세트를 빼냅니다.
2. 프론트 잠금 레버(14)을 90° 회전시켜 프론트 데크커서(15)을 제거합니다.

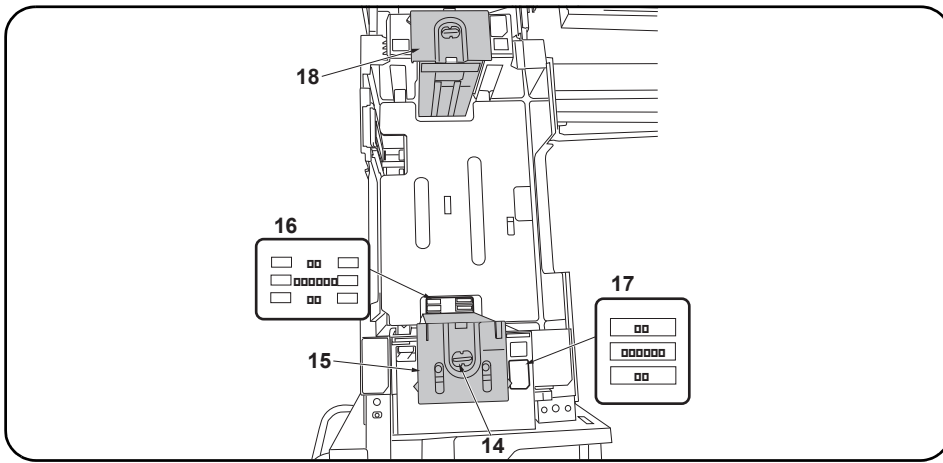
用紙サイズプレートのセット

用紙サイズプレート(H)を、サイズ表示スロットに挿入する。

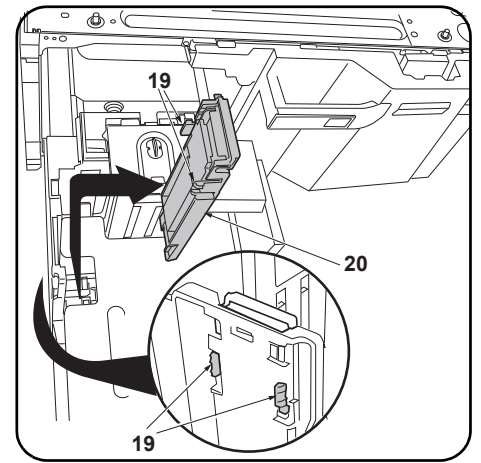
用紙サイズ変更(センチ仕様のみ)

出荷時、インチ仕様はLetter、センチ仕様はA4に設定されています。サイズをB5に変更する場合は次の手順をおこなってください。

1. ペーパーフィーダーのカセットを引き出す。
2. ロックレバー前(14)を90°回転させ、デッキカーソル前(15)を取り外す。



3. Move the front deck cursor (15) so that it is aligned with the size indicators on the top (17) and bottom (16) of the cassette.
4. Turn the front lock lever (14) 90° to lock it.
5. Move the rear deck cursor (18) in the same way.



6. Release the hook (19) and remove the deck trailing edge cursor (20).

3. Déplacer le curseur de platine avant (15) de sorte qu'il soit aligné avec les indicateurs de format en haut (17) et en bas (16) du tiroir.
4. Faire tourner le levier de verrouillage avant (14) de 90° pour le verrouiller.
5. Déplacer le curseur de platine arrière (18) en procédant de la même manière.

6. Libérer le crochet (19) et déposer le curseur du bord arrière de la platine (20).

3. Mueva el cursor frontal de la plataforma (15) para que quede alineado con las indicadores de tamaño de la parte superior (17) e inferior (16) del cajón.
4. Gire la palanca de bloqueo frontal (14) 90° para bloquearla.
5. Mueva el cursor trasero de la plataforma (18) de la misma forma.

6. Libere el gancho (19) y quite el cursor del borde inferior de la plataforma (20).

3. Den vorderen Konsole-Cursor (15) so verschieben, dass er mit den Formatanzeigen oben (17) und unten (16) an der Kassette fluchtet.
4. Den vorderen Verriegelungshebel (14) zum Verriegeln um 90° drehen.
5. Den hinteren Konsole-Cursor (18) auf gleiche Weise verschieben.

6. Den Haken (19) lösen und den Hinterkante-Cursor (20) der Konsole abnehmen.

3. Spostare il cursore frontale del deck (15) in modo che esso risulti allineato con gli indicatori di formato sulla parte superiore (17) e inferiore (16) del cassetto.
4. Ruotare la leva frontale di blocco (14) di 90°, per bloccarla.
5. Spostare il cursore posteriore del deck (18) allo stesso modo.

6. Rilasciare il gancio (19) e rimuovere il cursore del bordo di uscita del deck (20).

3. 移动堆纸板前部游标 (15), 使纸盒下部的尺寸标记 (16) 与纸盒上部的尺寸标记 (17) 对齐。
4. 将前部锁定杆 (14) 旋转 90° 以固定。
5. 按同样方式移动后部堆纸板后部游标 (18)。

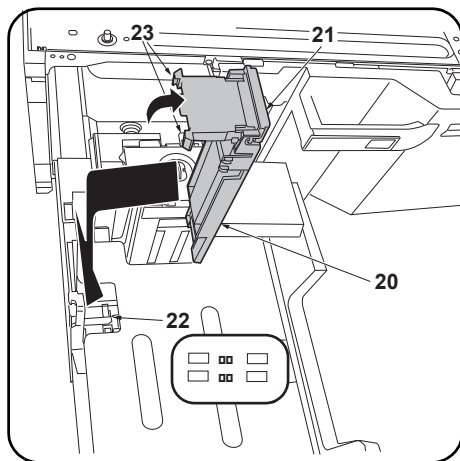
6. 解除挂钩 (19), 拆下堆纸板后部游标 (20)。

3. 카세트 상단 (17) 과 하단 (16) 의 사이즈 지침에 맞춰 프론트 데크 커서 (15) 을 이동합니다 .
4. 프론트 잠금레버 (14) 을 90° 회전시켜 고정합니다 .
5. 리어 데크커서 (18) 도 같은방식으로 이동시킵니다 .

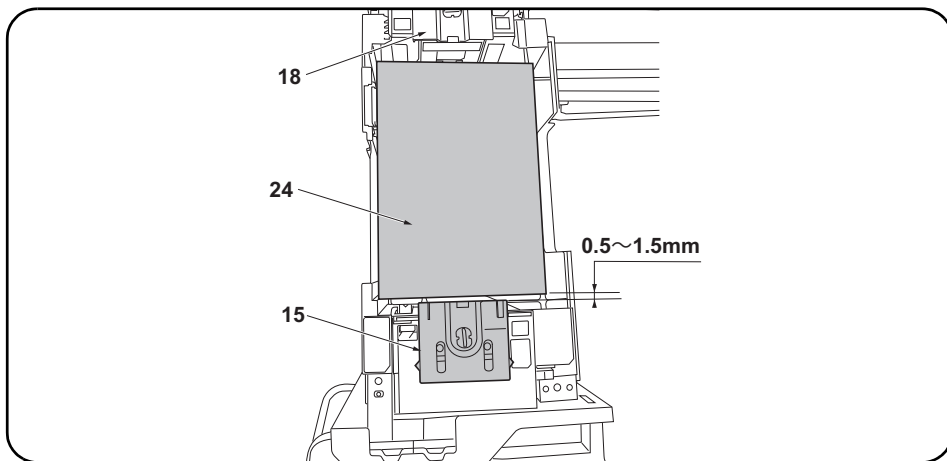
6. 후크 (19) 를 해제하고 데크 뒷단커서 (20) 를 제거합니다 .

3. カセット下のサイズ表示 (16) とカセット上のサイズ表示 (17) に合わせてデッキカーソル前 (15) を移動させる。
4. ロックレバー前 (14) を 90° 回転させ固定する。
5. 同様にデッキカーソル後 (18) を移動させる。

6. フック (19) を解除し、デッキ後端カーソル (20) を取り外す。



7. Lift up the sub-cursor (21).
8. Align with the size indicator (22), engage the hook (23) and install the deck trailing edge cursor (20).



Adjusting the cursor width

1. Load paper in the cassettes.
2. If the gap between the front deck cursor (15) and the paper (24) is outside the 0.5 to 1.5 mm range when the paper (24) is touching up against the rear deck cursor (18), perform the following adjustment.
 - * A cursor width that is too small can hinder paper feeding, while a cursor width that is too large can lead to problems such as skewed paper feed.

7. Lever le curseur secondaire (21).
8. Aligner avec l'indicateur de format (22), engager le crochet (23) et reposer le curseur du bord arrière de la platine (20).

Réglage de la largeur du curseur

1. Charger les tiroirs en papier.
2. Si l'écartement entre le curseur de platine avant (15) et le papier (24) est hors des limites de 0,5 à 1,5 mm quand le papier (24) touche le curseur de platine arrière (18), procéder au réglage suivant.
 - * Une largeur trop faible du curseur risque d'empêcher l'entraînement du papier et une largeur trop grande risque d'entraîner des problèmes du type entraînement du papier de biais.

7. Levante el cursor secundario (21).
8. Alinee con el indicador de tamaño (22), enganche el gancho (23) e instale el cursor del borde inferior de la plataforma. (20).

Cómo ajustar la anchura del cursor

1. Cargue papel en los cajones.
2. Si la separación entre el cursor frontal de la plataforma (15) y el papel (24) está fuera del rango de 0,5 a 1,5 mm cuando el papel (24) toca el cursor trasero de la plataforma (18), haga el siguiente ajuste.
 - * Una anchura del cursor demasiado pequeña puede impedir la alimentación de papel; una anchura del cursor demasiado grande puede provocar problemas con la alimentación torcida de papel.

7. Den Unter-Cursor (21) anheben.
8. Auf die Formatanzeige (22) ausrichten, den Haken (23) einsetzen und den Hinterkante-Cursor (20) der Konsole anbringen.

Einstellen der Cursor-Breite

1. Papier in die Papierladen einlegen.
2. Falls der Abstand zwischen dem vorderen Konsole-Cursor (15) und dem Papier (24) außerhalb des Bereichs 0,5 bis 1,5 mm liegt, wenn das Papier (24) am hinteren Konsole-Cursor (18) anliegt, ist folgende Einstellung vorzunehmen.
 - * Eine zu kleine Cursor-Breite kann den Papiereinzug behindern, wogegen eine zu große Cursor-Breite verkanteten Papiereinzug und ähnliche Probleme verursachen kann.

7. Sollevare il cursore secondario (21).
8. Allineare con l'indicatore formato (22), fissare il gancio (23) e installare il cursore del bordo di uscita del deck (20).

Regolazione della larghezza del cursore

1. Caricare carta nei cassetti.
2. Se lo spazio tra il cursore frontale del deck (15) e la carta (24) è fuori della gamma da 0,5 a 1,5 mm quando la carta (24) tocca il cursore posteriore del deck (18), eseguire la regolazione seguente.
 - * Una larghezza dei cursori troppo piccola può ostacolare l'alimentazione della carta, mentre una larghezza dei cursori troppo grande può essere causa di problemi, come ad esempio l'alimentazione obliqua della carta.

7. 抬起副游标 (21)。
8. 对齐尺寸标记 (22)，将挂钩 (23) 嵌入以安装堆纸板后部游标 (20)。

游标宽度的调节

1. 在纸盒中装入纸张。
2. 在堆纸板后部游标 (18) 与纸张 (24) 接触的状态下，如果堆纸板前部游标 (15) 与纸张 (24) 的间隙超出了 0.5 ~ 1.5mm 的范围，须进行以下调节。
 - ※ 如果游标宽度过小，可能造成不供纸，游标宽度过大，则可能发生歪斜进纸等情况。

7. 서브커서 (21) 를 세웁니다 .
8. 사이즈 지침 (22) 에 맞춰 후크 (23) 를 부착 후 , 데크 후단 커서 (20) 를 설치합니다 .

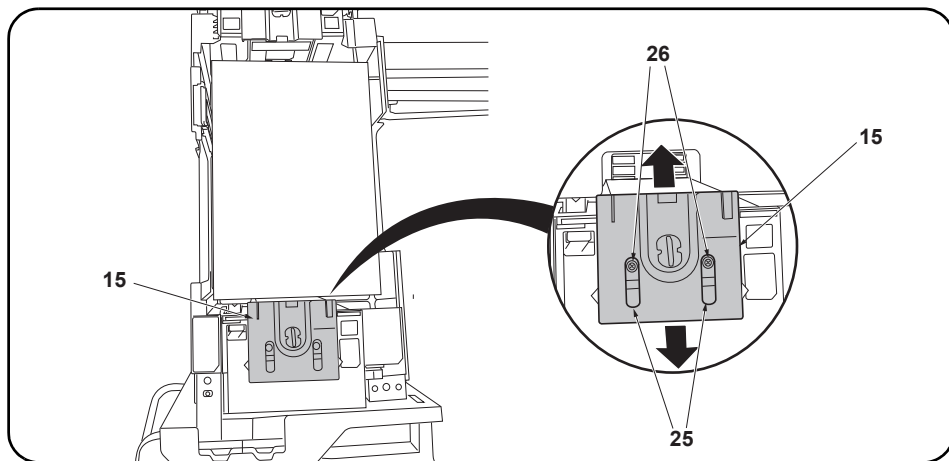
커서 폭 조정

1. 카세트에 용지를 장착합니다 .
2. 데크커서 뒤 (18) 에 용지 (24) 가 접하고 있는 상태에서 데크커서 앞 (15) 과 용지 (24) 의 틈이 0.5 ~ 1.5mm 의 범위외의 경우에는 이하의 조정을 합니다 .
 - ※ 커서 폭이 작으면 무급지 , 커서 폭이 크면 경사급지 등이 발생할 가능성이 있습니다 .

7. サブカーソル (21) を起こす。
8. サイズ表示 (22) に合わせて、フック (23) をはめデッキ後端カーソル (20) を取り付ける。

カーソル幅の調整

1. カセットに用紙をセットする。
2. デッキカーソル後 (18) に用紙 (24) が接している状態で、デッキカーソル前 (15) と用紙 (24) の隙間が 0.5 ~ 1.5mm の範囲外の場合は、以下の調整をおこなう。
 - ※ カーソル幅が小さいと無給紙、カーソル幅が大きいと斜め給紙などが発生する可能性がある。



3. Insert a Philips-head screwdriver into the 2 long slots (25) in the front deck cursor (15) and loosen the 2 adjusting screws (26). Then move the front deck cursor (15).

4. Retighten the 2 adjusting screws (26).
5. Check that the gap between the front deck cursor (15) and the paper is between 0.5 and 1.5 mm.

3. Insérer un tournevis cruciforme dans les 2 longues fentes (25) du curseur de platine avant (15) et desserrer les 2 vis de réglage (26). Déplacer ensuite le curseur de platine avant (15).

4. Resserrer les 2 vis de réglage (26).
5. Vérifier que l'écartement entre le curseur de platine avant (15) et le papier est entre 0,5 et 1,5 mm.

3. Inserte un destornillador de cabeza Philips en las dos ranuras largas (25) en el cursor frontal de la plataforma (15) y afloje los 2 tornillos de ajuste (26). Después, mueva el cursor frontal de la plataforma (15).

4. Vuelva a apretar los 2 tornillos de ajuste (26).
5. Verifique que la separación entre el cursor frontal de la plataforma (15) y el papel sea de entre 0,5 y 1,5 mm.

3. Einen Kreuzschlitzschraubendreher in die 2 langen Öffnungen (25) im vorderen Konsole-Cursor (15) stecken und die 2 Einstellschrauben (26) lösen. Danach den vorderen Konsole-Cursor (15) verschieben.

4. Die 2 Einstellschrauben (26) wieder anziehen.
5. Vergewissern Sie sich, dass der Abstand zwischen dem vorderen Konsole-Cursor (15) und dem Papier im Bereich 0,5 bis 1,5 mm liegt.

3. Inserire un cacciavite con testa a croce tipo Philips nelle 2 fessure lunghe (25) nel cursore frontale del deck (15) e allentare le 2 viti di regolazione (26). Quindi spostare il cursore frontale del deck (15).

4. Ristringere le 2 viti di regolazione (26).
5. Controllare che lo spazio tra il cursore frontale del deck (15) e la carta sia compreso nella gamma tra 0,5 e 1,5 mm.

3. 将十字螺丝刀从堆纸板前部游标 (15) 的 2 处长孔 (25) 处插入, 拧松 2 颗调节螺丝 (26), 移动堆纸板前部游标 (15)。

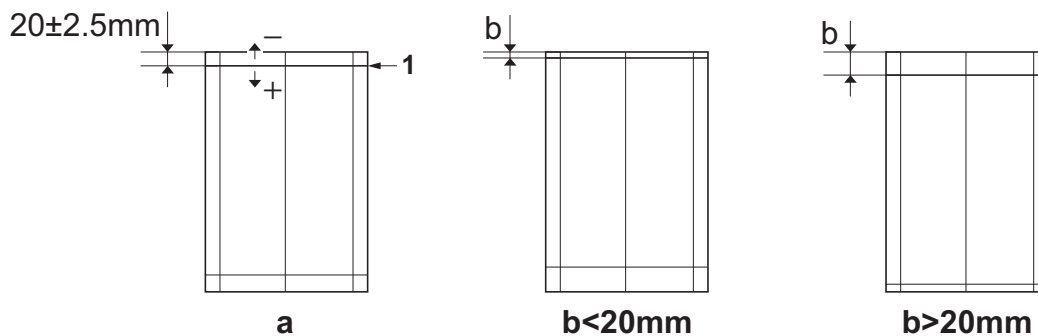
4. 拧紧 2 颗调节螺丝 (26)。
5. 确认堆纸板前部游标 (15) 与纸张的间隙在 0.5 ~ 1.5mm 的范围内。

3. 프론트 데크커서 (15) 의 두 군데의 긴 구멍 (25) 에서 십자 드라이버 삽입하고 조정 나사 (26) 2 개를 풀어 프론트 데크 커서 (15) 를 이동시킵니다 .

4. 조정나사 (26) 2 개를 조입니다 .
5. 데크커서 앞 (15) 과 용지의 틈이 0.5 ~ 1.5 mm 범위내가 되어 있는 것을 확인합니다 .

3. デッキカーソル前 (15) の 2 箇所 の長穴 (25) からプラスドライバー挿入し、調整ビス (26) 2 本を緩め、デッキカーソル前 (15) を移動させる。

4. 調整ビス (26) 2 本を締め付ける。
5. デッキカーソル前 (15) と用紙の隙間が 0.5 ~ 1.5mm の範囲内になっていることを確認する



Adjusting the leading edge timing

The reference value for the leading edge timing is 20 ± 2.5 mm at position (1) in the sample image (a). If the timing is outside this range, perform the following adjustment.

1. Set maintenance mode U034, select [LSU Out Top] and [Cassette(L)].
2. Adjust the values.
b < 20mm : Increase the setting value. b > 20mm : Decrease the setting value.
3. Press the Start key to confirm the setting value.

Réglage de la synchronisation du bord de tête

La valeur de référence pour la synchronisation du bord de tête est de $20 \pm 2,5$ mm à la position (1) sur l'image d'exemple (a). Si la synchronisation est hors de cette plage, procéder au réglage suivant.

1. Passer en mode maintenance U034, sélectionner [LSU Out Top] et [Cassette(L)].
2. Régler les valeurs.
b < 20mm : Augmentez la valeur de réglage. b > 20mm : Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Cómo ajustar la sincronización del borde superior

El valor de referencia para la sincronización del borde anterior es $20 \pm 2,5$ mm en la posición (1) en la imagen de muestra (a). Si la sincronización estuviera fuera de este rango, haga el siguiente ajuste.

1. Entre al modo de mantenimiento U034, seleccione [LSU Out Top] y [Cassette(L)].
2. Ajuste los valores.
b < 20mm : Aumente el valor de configuración. b > 20mm : Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen des Vorderkanten-Timing

Der Bezugswert des Vorderkantenabstands beträgt $20 \pm 2,5$ mm an Position (1) des Beispieldokuments (a). Falls das Timing außerhalb dieses Bereichs liegt, ist folgende Einstellung vorzunehmen.

1. Schalten Sie in den Wartungsmodus U034, wählen Sie [LSU Out Top] und [Cassette(L)].
2. Die Werte einstellen.
b < 20mm : Den Einstellwert erhöhen. b > 20mm : Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della sincronizzazione del bordo principale

Il valore di riferimento per la sincronizzazione del bordo superiore è pari a $20 \pm 2,5$ mm sulla posizione (1) nell'immagine di esempio (a). Se la sincronizzazione è all'infuori di questa gamma, effettuare la regolazione seguente.

1. Impostare la modalità manutenzione U034, selezionare [LSU Out Top] e [Cassette(L)].
2. Regolare i valori.
b < 20mm : Aumentare il valore dell'impostazione. b > 20mm : Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

前端对位调节

前端对位的基准值在图像样张 (a) 的 (1) 位置为 20 ± 2.5 mm。超出该范围时，须进行以下调节。

1. 设置维护模式 U034，选择 [LSU Out Top]、[Cassette(L)]。
2. 调整设定值。
b < 20mm : 调高设定值。 b > 20mm : 调低设定值。
3. 按 Start 键，以确定设定值。

선단 타이밍 조정

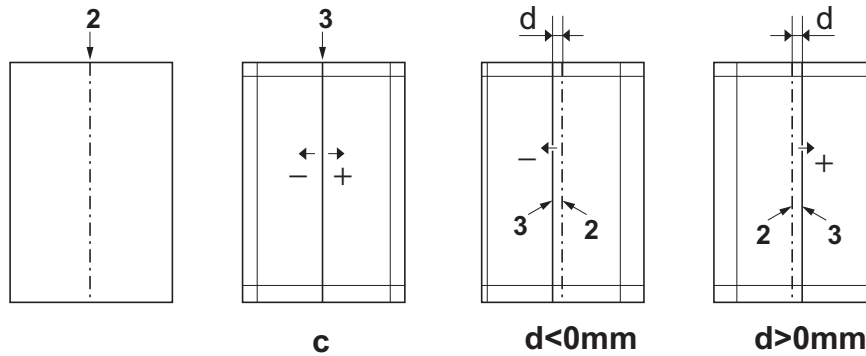
선단 타이밍은 샘플화상 (a) 의 (1) 위치에서 기준치는 20 ± 2.5 mm. 여기에서 벗어나는 것은 이하의 조정을 합니다 .

1. 메인터넌스 모드 U034 를 세트하고 [LSU Out Top], [Cassette(L)] 을 선택합니다 .
2. 설정치를 조정합니다 .
b < 20mm : 설정치를 높입니다 . b > 20mm : 설정치를 내립니다 .
3. 시작키를 누르고 설정치를 확인합니다 .

先端タイミング調整

先端タイミングは、サンプルイメージ (a) の (1) の位置で基準値は 20 ± 2.5 mm。これから外れるときは以下の調整をおこなう。

1. メンテナンスモード U034 をセットし、[LSU Out Top]、[Cassette(L)] を選択する。
2. 設定値を調整する。
b < 20mm : 設定値を上げる。 b > 20mm : 設定値を下げる。
3. スタートキーを押し、設定値を確定する。



Adjusting the center line

The reference value for the center line (2) is ± 2.0 mm or less at position (3) in the sample image (c). If the center line position is outside this range, perform the following adjustment.

1. Set maintenance mode U034, select [LSU Out Left] and [Cassette3] or [Cassette4].
2. Adjust the values.
 $d < 0$ mm : Increase the setting value. $d > 0$ mm : Decrease the setting value.
3. Press the Start key to confirm the setting value.

Réglage de l'axe

La valeur de référence pour l'axe (2) est de $\pm 2,0$ mm ou moins à la position (3) sur l'image d'exemple (c). Si la position de l'axe est hors de cette plage, effectuez le réglage suivant.

1. Passer en mode maintenance U034, sélectionner [LSU Out Left] et [Cassette3] ou [Cassette4].
2. Régler les valeurs.
 $d < 0$ mm : Augmentez la valeur de réglage. $d > 0$ mm : Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

Ajuste de la línea central

El valor de referencia para la línea central (2) es $\pm 2,0$ mm o menos en la posición (3) en la imagen de muestra (c). Si la posición de la línea central estuviera fuera de este rango, haga el siguiente ajuste.

1. Entre al modo de mantenimiento U034, seleccione [LSU Out Left] y [Cassette3] o [Cassette4].
2. Ajuste los valores.
 $d < 0$ mm : Aumente el valor de configuración. $d > 0$ mm : Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

Einstellen der Mittelinie

Der Bezugswert der Mittelinie (2) beträgt $\pm 2,0$ mm oder weniger an Position (3) des Beispieldokuments (c). Falls die Mittelinie außerhalb dieses Bereichs liegt, ist folgende Einstellung vorzunehmen.

1. Schalten Sie in den Wartungsmodus U034, wählen Sie [LSU Out Left] und [Cassette3] oder [Cassette4].
2. Die Werte einstellen.
 $d < 0$ mm : Den Einstellwert erhöhen. $d > 0$ mm : Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

Regolazione della linea centrale

Il valore di riferimento per la linea centrale (2) è pari a $\pm 2,0$ mm o inferiore sulla posizione (3) nell'immagine di esempio (c). Se la posizione della linea centrale è all'infuori di questa gamma, effettuare la regolazione seguente.

1. Impostare la modalità manutenzione U034, selezionare [LSU Out Left] e [Cassette3] o [Cassette4].
2. Regolare i valori.
 $d < 0$ mm : Aumentare il valore dell'impostazione. $d > 0$ mm : Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

中心线调节

中心线的基准值在图像样张(c)的(3),基准值是纸张中线位置(2)两端 ± 2.0 mm以内。超出该范围时,须进行以下调节。

1. 设置维护模式U034,选择[LSU Out Left]、[Cassette3]或[Cassette4]。
2. 调整设定值。
 $d < 0$ mm : 调高设定值。 $d > 0$ mm : 调低设定值。
3. 按Start键,以确定设定值。

센터라인 조정

센터라인(2)은 샘플화상(c)의(3)위치에서 기준치는 ± 2.0 mm 이내. 여기에서 벗어나는 것은 이하의 조정을 합니다.

1. 메인テナンス 모드 U034 를 세트하고 [LSU Out Left], [Cassette3] 또는 [Cassette4] 를 선택합니다.
2. 설정치를 조정합니다.
 $d < 0$ mm : 설정치를 높입니다. $d > 0$ mm : 설정치를 내립니다.
3. 시작키를 누르고 설정치를 확인합니다.

センターライン調整

センターラインは、サンプルイメージ(c)の(3)の位置で、基準値は紙のセンター(2)から ± 2.0 mm以内。これから外れるときは以下の調整をおこなう。

1. メンテナンスモードU034 をセットし、[LSU Out Left]、[Cassette3] または [Cassette4] を選択する。
2. 設定値を調整する。
 $d < 0$ mm : 設定値を上げる。 $d > 0$ mm : 設定値を下げる。
3. スタートキーを押し、設定値を確定する。

DF-770(D) (Document finisher)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

GUIDA ALL'INSTALLAZIONE

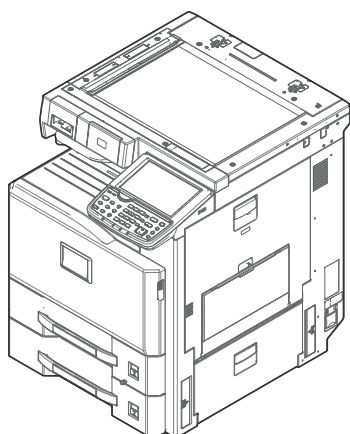
安装手册

설치안내서

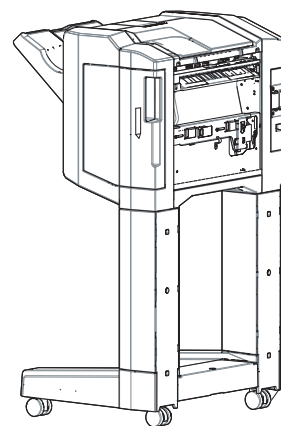
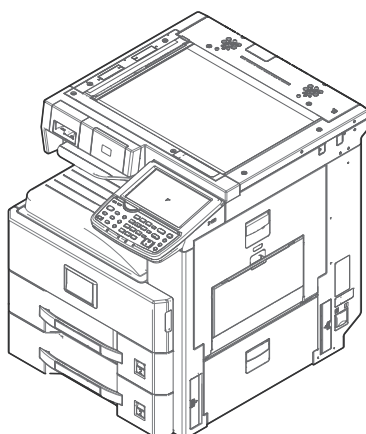
設置手順書

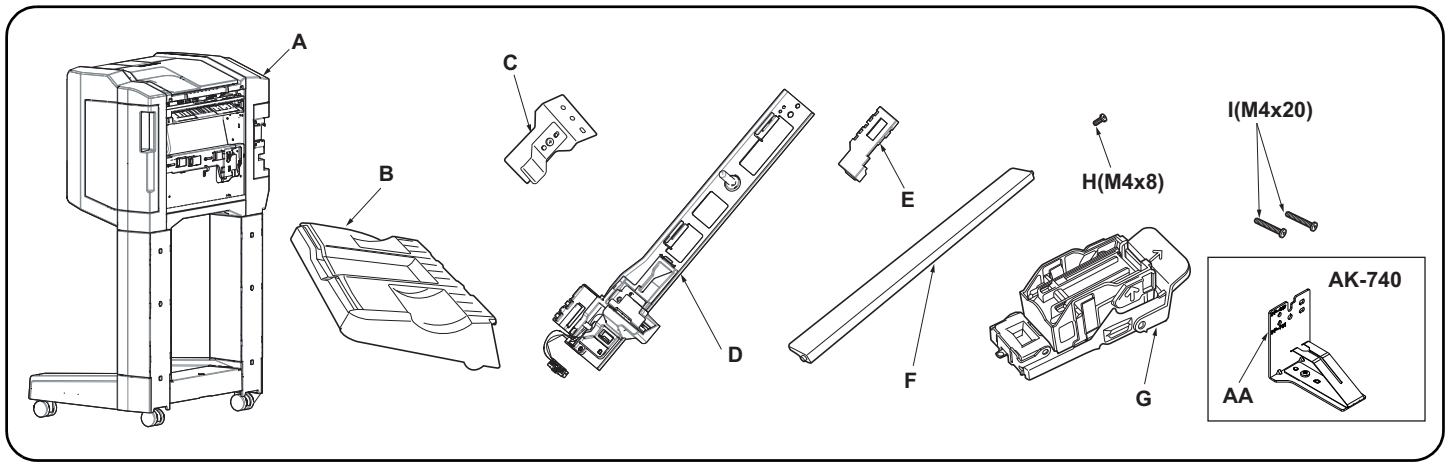
DF-770(D)

for Color MFP 25/25ppm

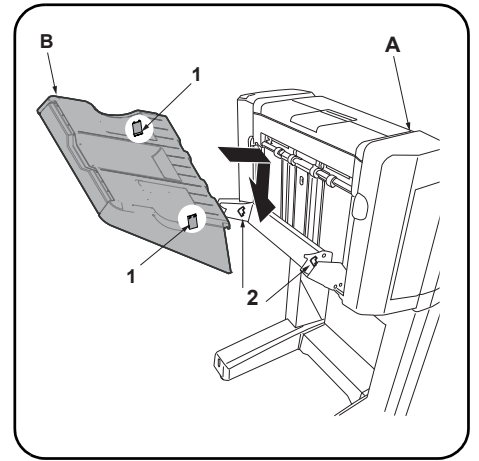


for Black & White MFP
30ppm,35ppm





English			
Supplied parts			
A. Document finisher.....	1	E. Connector cover	1
B. Eject tray.....	1	F. Eject guide	1
C. Lower earth plate.....	1	G. Staple cartridge.....	1
D. Connecting plate.....	1	H. M4 x 8 screw	1
		I. M4 x 20 screw	2
		AA. Earth Plate	1
			* (C) and (F) are not used.
			Be sure to remove any tape and/or cushioning materials from the parts supplied.
Français			
Pièces fournies			
A. Finisseur de document	1	E. Cache de connecteur.....	1
B. Bac d'éjection	1	F. Guide d'éjection	1
C. Plaque de terre inférieure	1	G. Cartouche d'agrafes	1
D. Plaque de connexion	1	H. Vis M4 x 8.....	1
		I. Vis M4 x 20.....	2
		AA. Plaque de terre	1
			* (C) et (F) ne sont pas utilisés.
			Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.
Español			
Partes suministradas			
A. Finalizador de documentos	1	E. Cubierta del conector.....	1
B. Bandeja de salida	1	F. Guía de salida.....	1
C. Placa de conexión a tierra	1	G. Cartucho de grapas	1
D. Placa de conexión	1	H. Tornillo M4 x 8	1
		I. Tornillo M4 x 20	2
		AA. Placa de conexión a tierra	1
			* (C) y (F) no se utilizan.
			Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.
Deutsch			
Enthaltene Teile			
A. Finisher.....	1	E. Stecker-Abdeckung.....	1
B. Auswerffach.....	1	F. Ausgabeführung	1
C. Untere Grundplatte	1	G. Heftklammer-Magazin.....	1
D. Verbindungsplatte.....	1	H. M4 x 8 Schraube	1
		I. M4 x 20 Schraube	2
		AA. Grundplatte	1
			* (C) und (F) werden nicht benötigt.
			Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.
Italiano			
Parti fornite			
A. Finisher documenti	1	E. Copri connettore	1
B. Vassoio di espulsione	1	F. Guida di espulsione	1
C. Piastra di messa a terra.....	1	G. Contenitore punti	1
D. Piastra di connessione	1	H. Vite M4 x 8.....	3
		I. Vite M4 x 20.....	2
		AA. Piastra di messa a terra.....	1
			* (C) e (F) non sono utilizzati.
			Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.
简体中文			
附属品			
A. 装订器.....	1	E. 接插件盖板	1
B. 排纸托盘.....	1	F. 排纸导向板	1
C. 下部接地板.....	1	G. 装订针盒	1
D. 连接板.....	1	H. M4x8 螺丝	1
		I. M4x20 螺丝	2
		AA. 接地板	1
			※ 不使用 (C) 和 (F)。
			如果附属品上带有固定胶带, 缓冲材料时务必揭下。
한국어			
동봉품			
A. 도큐먼트 피니셔.....	1	E. 커넥터 커버.....	1
B. 배출 트레이.....	1	F. 배출 가이드	1
C. 접지판 하.....	1	G. 스테이플 카트리지	1
D. 연결판	1	H. 나사 M4x8.....	1
		I. 나사 M4x20	2
		AA. 접지판	1
			※ (C) 와 (F) 는 사용되지 않습니다 .
			동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오 .
日本語			
同梱品			
A. ドキュメントフィニッシャー.....	1	E. コネクターカバー	1
B. 排出トレイ.....	1	F. 排出ガイド	1
C. アース板下.....	1	G. ステープルカートリッジ	1
D. 連結板.....	1	H. ビス M4x8.....	1
		I. ビス M4x20	2
		AA. アース板	1
			※ (C), (F) は、使用しません。
			同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。



NOTICE

The Attachment Kit (AK-740) must be installed before the document finisher is installed.

Procedure

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

1. Install eject tray (B) to document finisher (A) by inserting the 2 hooks (1) on the back of the tray in the holes (2) of the finisher lift plate.

REMARQUE

Le kit de fixation (AK-740) doit être installé avant d'installer le finisseur de document.

Procédure

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

1. Installez le bac d'éjection (B) sur le finisseur de document (A) en insérant les 2 crochets (1) au dos du bac d'éjection (B) dans les trous (2) du dispositif de levage du finisseur.

AVISO

El Kit de conexión (AK-740) se debe instalar antes de instalarse el finalizador de documentos.

Procedimiento

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

1. Instale la bandeja de salida (B) en el finalizador de documentos (A); para ello, inserte los 2 enganches (1) de la parte posterior de la bandeja en los orificios (2) de la placa de elevación del finalizador.

ANMERKUNG

Das Attachment Kit (AK-740) muss installiert werden, bevor der Finisher installiert wird.

Vorgehensweise

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

1. Setzen Sie das Ausgabefach (B) in den Finisher (A), indem Sie die 2 Haken (1) auf der Rückseite des Fachs in die beiden Löcher (2) der Finisher-Lift-Platte einsetzen.

AVVISO

Installare l'unità Attachment Kit (AK-740) prima di collegare il finisher documenti.

Procedura

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

1. Installare il vassoio di uscita (B) sul finisher documenti (A) inserendo i 2 ganci (1) sul retro del vassoio nei fori (2) della piastra di elevazione del finisher.

注意

安装装订器前，必须先安装连接组件 (AK-740)。

安装步骤

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

1. 将排纸托盘 (B) 内侧的 2 个挂钩 (1) 装入装订器 (A) 的升降板的孔 (2) 中。

주의

도큐먼트 피니셔를 설치하기 전에 어태치먼트 키트 (AK-740) 를 설치해야 합니다 .

장착순서

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오 .

1. 배출 트레이 (B) 의 후면 후크 (1) 2 개를 도큐먼트 피니셔 (A) 의 리프트 플레이트 구멍 (2) 에 장착합니다 .

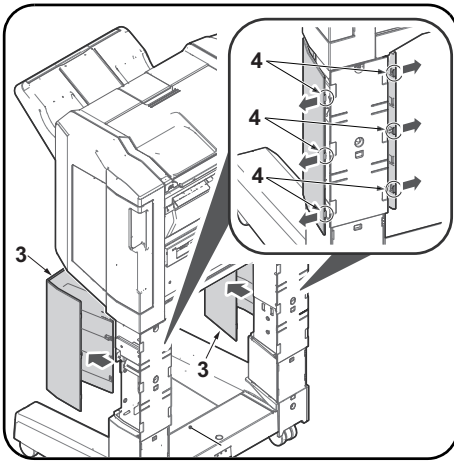
注意

ドキュメントフィニッシャーを取り付ける前に、アタッチメントキット (AK-740) の取り付けをおこなうこと。

取付手順

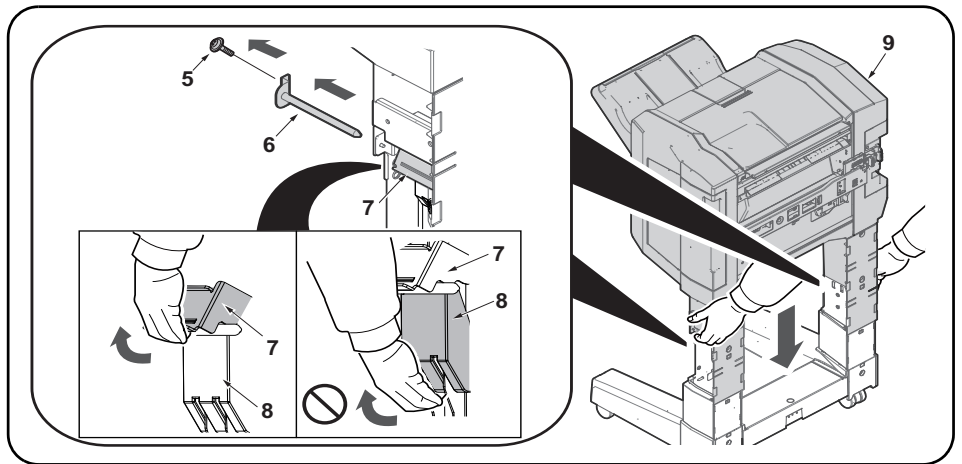
必ず機械本体の主電源スイッチを OFF にし、機械本体の電源プラグを抜いてから作業すること。

1. 排出トレイ (B) の裏側のフック (1) 2 個をドキュメントフィニッシャー (A) の昇降板の穴 (2) に入れて、取り付ける。



Adjusting the height of the document finisher

2. Release the 6 hooks (4) at the foot cover (3). Remove the front and rear foot covers (3).



3. Remove the front and rear screws (5).
4. Pull out the front and rear positioning pins (6).
5. Lift up the front and rear handles (7) at the same time. Lower the DF upper body (9) to the lowest position.
NOTE: Don't attempt to lift the unit by holding its cover (8). If the cover is lifted, it will be broken. Do not let go off of the handles (7) until the DF upper body (9) has bottomed.

Ajustement de la hauteur du finisseur de document

2. Libérez les 6 crochets (4) sur le capot bas (3). Retirez les capots bas avant et arrière (3).

3. Retirez les vis avant et arrière (5).
4. Sortez les broches de positionnement avant et arrière (6).
5. Soulevez les poignées avant et arrière (7) en même temps. Abaissez le corps supérieur du DF (9) dans la position la plus basse.
REMARQUE: Ne tentez pas de soulever l'unité en la tenant par son capot (8). Si le capot est soulevé, il se cassera. Ne relâchez pas les poignées (7) jusqu'à ce que le corps supérieur du DF (9) soit sur le fond.

Ajuste de la altura del finalizador de documentos

2. Suelte los 6 enganches (4) de la cubierta de la base (3). Quite las cubiertas de la base frontal y posterior (3).

3. Quite los tornillos de la parte frontal y posterior (5).
4. Saque las clavijas de posicionamiento frontal y posterior (6).
5. Levante las asas frontal y posterior (7) al mismo tiempo. Baje el cuerpo superior del DF (9) a la posición inferior.
NOTA: No intente levantar la unidad sujetando la cubierta (8). Si la cubierta se levanta, se romperá. No use las asas (7) hasta que se haya acoplado el cuerpo superior del DF (9).

Höhe des Finishers justieren

2. Lösen Sie die 6 Haken (4) an der unteren Abdeckung (3). Entfernen Sie die vordere und hintere untere Abdeckung (3).

3. Entfernen Sie die hinteren und vorderen Schrauben (5).
4. Ziehen Sie die vorderen und hinteren Positionierungsstifte (6) heraus.
5. Ziehen Sie die vorderen und hinteren Griffe (7) gleichzeitig hoch. Bringen Sie den oberen Teil (9) des Finishers auf die niedrigste Position.
HINWEIS: Versuchen Sie nicht, das Gerät an seiner Abdeckung (8) hochzuheben. Wenn die Abdeckung angehoben wird, geht sie kaputt. Lassen Sie die Griffe (7) so lange nicht los, bis der obere Teil (9) des DF unten aufgesetzt hat.

Regolazione dell'altezza del finisher documenti

2. Rilasciare i 6 ganci (4) sul coperchio della base (3). Rimuovere i coperchi della base, anteriore e posteriore (3).

3. Togliere le viti anteriore e posteriore (5).
4. Sfilare i perni di posizionamento anteriore e posteriore (6).
5. Sollevare entrambe le maniglie, anteriore e posteriore (7), allo stesso tempo. Portare il corpo superiore del DF (9) sulla sua posizione più bassa.
NOTA: È proibito sollevare l'unità reggendola per il coperchio (8). Se lo si solleva, il coperchio si romperà. Ritirare le maniglie (7) solo dopo aver appoggiato il corpo superiore del finisher DF (9).

装订器的高度调整

2. 松开下部盖板 (3) 的 6 处卡扣 (4)。取下前侧的下部盖板 (3)。

3. 取下前后侧的螺丝 (5)。
4. 拔出固定前后位置的销子 (6)。
5. 把前后把手 (7) 同时向上抬起。使 DF 上部 (9) 下降到最低位置。
注意: 请不要抬起盖板 (8)。如果抬起, 可能会出现破损。
在 DF 上部 (9) 下降到底的过程中, 请不要使手脱离把手 (7)。

도큐먼트 피니셔 높이 조정

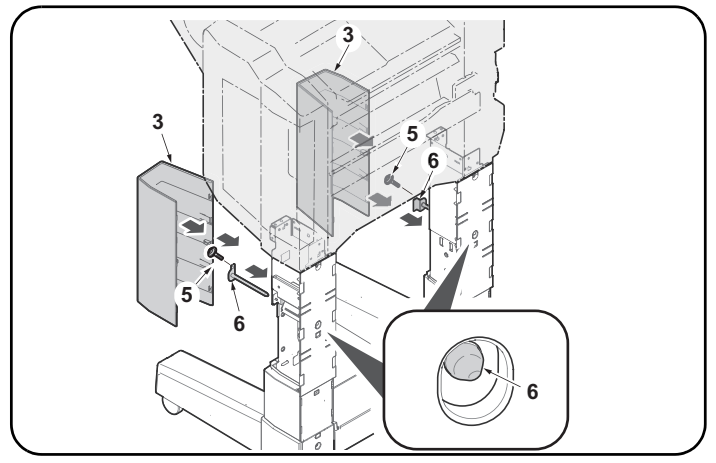
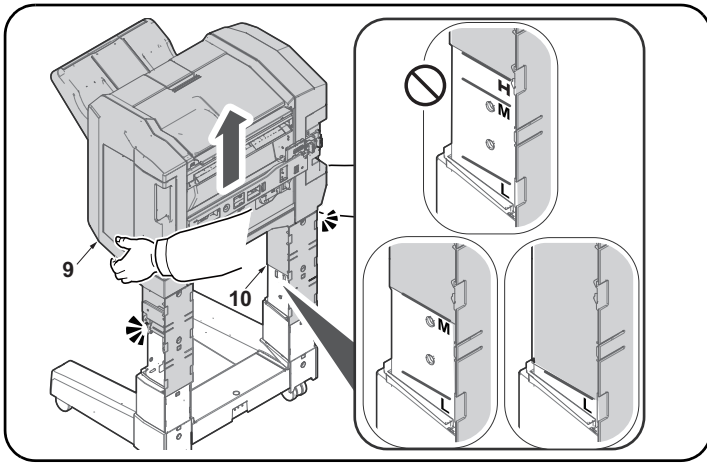
2. 풋 커버 (3) 의 후크 (4) 6 개를 풀니다. 전면 및 후면 풋 커버 (3) 를 제거합니다.

3. 전면 및 후면 나사 (5) 를 제거합니다.
4. 전면 및 후면 위치 결정 핀 (6) 을 당겨 빼냅니다.
5. 전면 및 후면 핸들 (7) 을 동시에 들어 올립니다. DF 상단 몸체 (9) 를 가장 낮은 위치로 낮춥니다.
주: 상단 유닛을 들 때 커버 (8) 를 잡지 마십시오. 커버를 들고 올리면 파손될 수 있습니다.

ドキュメントフィニッシャーの高さ調整

2. フットカバー (3) の爪 (4) 6箇所を解除して前後のフットカバー (3) を取り外す。

3. 前後のビス (5) を外す。
4. 前後の位置決めピン (6) を抜く。
5. 前後のハンドル (7) を引き上げて、DF 上部 (9) を最下位まで下げる。
注意: カバー (8) は引き上げないこと。引き上げると破損する可能性があります。
DF 上部 (9) が下がりきるまでは、途中でハンドル (7) から手を離さないでください。



- Lift the DF upper body (9) while holding it at its top by hands as shown above.
- Adjust the height of the DF upper body (9) at the location mark (10) which differs depending on the machine type.*Stop it until it clicks into place.
Mark M: for 25/25 ppm Full-color machine
Mark L: for 30 and 35 ppm monochrome machines
Mark H: not used

Installation with 30 and 35 ppm monochrome machines

- Fully insert the front and rear positioning pins (6) removed in step 4.
*The front and rear position pins (6) must be visible.
- Secure the front and rear positioning pins (6) with the screws (5) removed in step 3.
- Attach the front and rear covers (3) removed in step 2.

- Soulevez le corps supérieur du DF (9) en le tenant par le dessus avec les mains, comme illustré ci-dessus.
- Ajustez la hauteur du corps supérieur du DF (9) sur le repère d'emplacement (10) qui diffère selon le type de machine.
*Arrêtez lorsqu'un déclic indique que la pièce est en position.
Repère M: pour la machine couleur 25/25 ppm
Repère L: pour les machines monochromes 30 et 35 ppm
Repère H: inutilisé

Installation avec les machines monochromes 30 et 35 ppm

- Insérez complètement les broches de positionnement avant et arrière (6) retirées à l'étape 4.
*Les broches de positionnement avant et arrière (6) doivent être visibles.
- Fixez les broches de positionnement avant et arrière (6) avec les vis (5) retirées à l'étape 3.
- Montez les capots avant et arrière (3) retirés à l'étape 2.

- Levante el cuerpo superior del DF (9) mientras lo sujeta por la parte superior con las manos como se muestra arriba.
- Ajuste la altura del cuerpo superior del DF (9) a la marca de ubicación (10); dicha marca varía según el tipo de máquina.*Deténgalo hasta que escuche un clic de posicionamiento.
Marca M: para máquina a todo color de 25/25 ppm
Marca L: para máquinas en B/N de 30 y 35 ppm
Marca H: no se utiliza

Instalación con máquinas en B/N de 30 y 35 ppm

- Inserte totalmente las clavijas de posicionamiento frontal y posterior (6) que quitó en el paso 4.
*Las clavijas de posicionamiento frontal y posterior (6) deben estar visibles.
- Fije las clavijas de posicionamiento frontal y posterior (6) con los tornillos (5) que quitó en el paso 3.
- Instale las cubiertas frontal y posterior (3) que quitó en el paso 2.

- Heben Sie den oberen Teil (9) des Finishers, indem Sie ihn mit den Händen oben anfassen, wie im Bild gezeigt.
- Justieren Sie die Höhe des oberen Teils (9) des Finishers an den Markierungen (10), die je nach Gerätetyp variieren können.*Bewegen Sie ihn so lange, bis er in der richtigen Position einrastet.
Markierung M: für Farb-Geräte mit Druckgeschwindigkeit von 25/25 Seiten/Minute
Markierung L: für schwarz/weiß Geräte mit Druckgeschwindigkeit von 30 und 35 Seiten/Minute
Markierung H: nicht verwendet

Installation mit schwarz/weiß Geräten mit Druckgeschwindigkeit von 30 und 35 Seiten/Minute

- Schieben Sie die vorderen und hinteren Positionierungsstifte (6) ganz ein, die Sie in Schritt 4 entfernt haben.
*Die vorderen und hinteren Positionierungsstifte (6) müssen sichtbar sein.
- Befestigen Sie die vorderen und hinteren Positionierungsstifte (6). Benutzen Sie die Schrauben (5) aus Schritt 3.
- Bringen Sie die vorderen und hinteren Abdeckungen (3) aus Schritt 2 wieder an.

- Solleverare il corpo superiore del DF (9) reggendone invece la parte superiore con entrambe le mani, come sopra indicato.
- Regolare l'altezza del corpo superiore del DF (9) sul contrassegno posizione (10), che varia in funzione del tipo di macchina.*Fermarsi quando si sente il clic di blocco in posizione.
Contrassegno M: per macchine a colori (Full Color) da 25/25 ppm
Contrassegno L: per macchine in bianco e nero da 30 e 35 ppm
Contrassegno H: non utilizzato

Installazione con macchine in bianco e nero da 30 e 35 ppm

- Inserire i perni di posizionamento anteriore e posteriore (6), rimossi al punto 4.
*I perni di posizionamento anteriore e posteriore (6) devono essere visibili.
- Fissare i perni di posizionamento anteriore e posteriore (6) con le viti (5), rimosse al punto 3.
- Rimontare i coperchi anteriore e posteriore (3) rimossi al punto 2.

- 按照图示，用两手把DF上部(9)向上抬起。
- 根据安装机型，把DF上部(9)的高度调整到相应的刻度位置(10)。
*安放到听到咔嚓音的位置。
刻度M: 25/25张彩色机时
刻度L: 30张、35张黑白机时
刻度H: 不使用

安装到 30 张、35 张黑白机时

- 把步骤 4 中拔下的固定前后位置的销子(6)插到底。
*能够看到固定前后位置的销子(6)。
- 使用步骤 3 中取下的螺丝(5)来固定销子(6)。
- 重新安装步骤 2 中取下的前后侧下部盖板(3)。

- 위의 그림과 같이 상단을 손으로 잡고 DF 상단 몸체 (9)를 듭니다.
- DF 상단 몸체 (9) 높이를 위치 표시 (10) (본체 유형에 따라 다름)에 맞추어 조정합니다.
*찰칵 소리가 나는 위치에서 멈춥니다.
표시 M: 25/25ppm 컬러기의 경우
표시 L: 30ppm, 35ppm 흑백기의 경우
표시 H: 사용되지 않습니다.

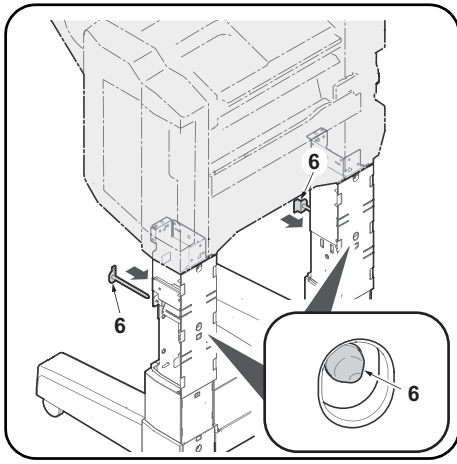
30ppm, 35ppm 흑백기 설치의 경우

- 단계 4에서 제거한 전면 및 후면 위치 결정 핀 (6)을 완전히 삽입합니다.
*전면 및 후면 위치 결정 핀 (6)이 보여야 합니다.
- 단계 3에서 제거한 나사 (5)를 사용하여 전면 및 후면 위치 결정 핀 (6)을 고정합니다.
- 단계 2에서 제거한 전면 및 후면 커버 (3)를 부착합니다.

- イラストのように、DF上部(9)を両手で持ちあげる。
- 装着する対象により刻印の位置(10)にDF上部(9)の高さをあわせる。*カチッと音がする位置で止める。
刻印M: カラー機の25/25枚機の場合
刻印L: モノクロ機の30枚機、35枚機の場合
刻印H: 使用しないこと。

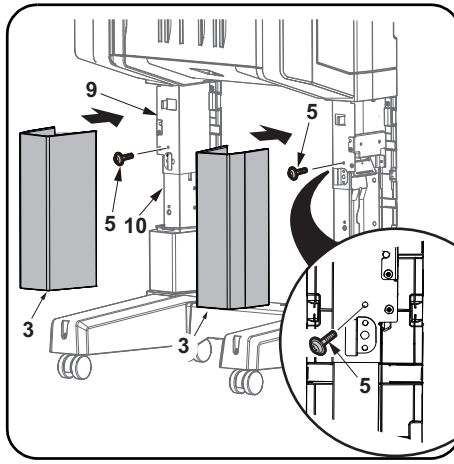
モノクロ機の30枚機、35枚機に設置の場合

- 手順4で抜いた前後の位置決めピン(6)を奥まで挿入する。
*前後の位置決めピン(6)が見えていること。
- 手順3で外したビス(5)で、前後の位置決めピン(6)を固定する。
- 手順2で外した前後のフットカバー(3)を取り付ける。



Installation with 25/25 ppm Full-color machine

8. Fully insert the front and rear positioning pins (6) removed in step 4.
*The front and rear position pins (6) must be visible.



9. Secure the DF upper body (9) with the lower frame (10) using screws (5) removed in step 3.
10. Attach the front and rear covers (3) removed in step 2.

Installation avec la machine couleur 25/25 ppm

8. Insérez complètement les broches de positionnement avant et arrière (6) retirées à l'étape 4.
*Les broches de positionnement avant et arrière (6) doivent être visibles.

9. Fixez le corps supérieur du DF (9) avec le cadre inférieur (10) à l'aide des vis (5) retirées à l'étape 3.
10. Montez les capots avant et arrière (3) retirés à l'étape 2.

Instalación con máquina a todo color de 25/25 ppm

8. Inserte totalmente las clavijas de posicionamiento frontal y posterior (6) que quitó en el paso 4.
*Las clavijas de posicionamiento frontal y posterior (6) deben estar visibles.

9. Fije el cuerpo superior del DF (9) a la estructura inferior (10) con los tornillos (5) que quitó en el paso 3.
10. Instale las cubiertas frontal y posterior (3) que quitó en el paso 2.

Installation mit Farb-Geräten mit Druckgeschwindigkeit von 25/25 Seiten/Minute

8. Schieben Sie die vorderen und hinteren Positionierungsstifte (6) ganz ein, die Sie in Schritt 4 entfernt haben.
*Die vorderen und hinteren Positionierungsstifte (6) müssen sichtbar sein.

9. Bringen Sie den oberen Teil (9) des Finishers am unteren Rahmen (10) an. Benutzen Sie die Schrauben (5) aus Schritt 3.
10. Bringen Sie die vorderen und hinteren Abdeckungen (3) aus Schritt 2 wieder an.

Installazione con macchina a colori (Full Color) da 25/25 ppm

8. Inserire i perni di posizionamento anteriore e posteriore (6), rimossi al punto 4.
*I perni di posizionamento anteriore e posteriore (6) devono essere visibili.

9. Fissare il corpo superiore del DF (9) sul telaio inferiore (10) utilizzando le viti (5), rimosse al punto 3.
10. Rimontare i coperchi anteriore e posteriore (3) rimossi al punto 2.

安装到 25/25 张彩色机时

8. 把步骤 4 中拔下的固定前后位置的销子 (6) 插到底。
※ 能够看到固定前后位置的销子 (6)。

9. 使用步骤 3 中取下的前后螺丝 (5), 把 DF 上部 (9) 固定在下部框架 (10) 上。
10. 重新安装步骤 2 中取下的前后侧下部盖板 (3)。

25/25ppm 컬러기 설치의 경우

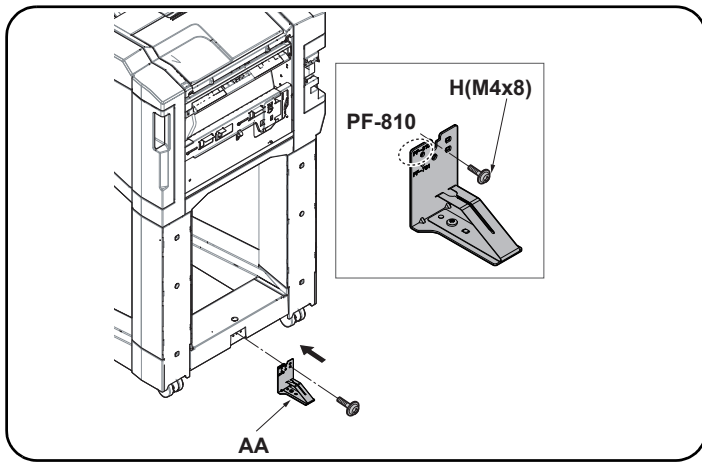
8. 단계 4 에서 제거한 전면 및 후면 위치 결정 핀 (6) 을 완전히 삽입합니다.
※ 전면 및 후면 위치 결정 핀 (6) 이 보아야 합니다.

9. 단계 3 에서 분리한 나사 (5) 를 사용하여 하단 프레임 (10) 에 DF 상단 몸체 (9) 를 고정합니다.
10. 단계 2 에서 제거한 전면 및 후면 커버 (3) 를 부착합니다.

カラー機の 25/25ppm に設置の場合

8. 手順 4 で抜いた前後の位置決めピン (6) を奥まで挿入する。
*前後の位置決めピン (6) が見えていること。

9. 手順 3 で外した前後のビス (5) で DF 上部 (9) を下部フレーム (10) に固定する。
10. 手順 2 で外した前後のフットカバー (3) を取り付ける。



If PF-810 is installed

11. Install earth plate (AA) to the bottom center of document finisher using an M4 x 8 screw (H). Secure the plate at the location marked "PF-810". Earth plate (AA) is supplied with AK-740. Proceed to step 12. If PF-791 is installed, see the next.

Si le PF-810 est installé

11. Installez la plaque de terre (AA) en bas au centre du finisseur de document à l'aide d'une vis M4 x 8 (H). Fixez la plaque à l'emplacement marqué "PF-810". La plaque de terre (AA) est fournie avec l'AK-740. Passez à l'étape 12. Si le PF-791 est installé, voir ci-après.

Si está instalado PF-810

11. Instale la placa de conexión a tierra (AA) a la parte central inferior del finalizador de documentos con un tornillo M4 x 8 (H). Fije la placa a la ubicación con la marca "PF-810". Con AK-740 se proporciona la placa de conexión a tierra (AA). Vaya al paso 12. Si está instalado PF-791, consulte lo siguiente.

Falls der PF-810 installiert ist

11. Installieren Sie die Grundplatte (AA) mit der Schraube M4 x 8 (H) unten in die Mitte des Finishers. Sichern Sie die Platte an der Stelle, die mit "PF-810" markiert ist. Die Grundplatte (AA) wird mit dem AK-740 geliefert. Führen Sie Schritt 12 aus. Falls der PF-791 installiert ist, folgen Sie den weiteren Schritten.

Quando è installato l'alimentatore carta modello PF-810

11. Installare la piastra di messa a terra (AA) al centro della base del finisher documenti utilizzando una vite M4 x 8 (H). Fissare la piastra nella posizione contrassegnata con "PF-810". La piastra di messa a terra (AA) viene fornita con AK-740. Proseguire con il punto 12. Se invece è installato l'alimentatore carta modello PF-791, vedere più avanti.

当安装了 PF-810 的情况时

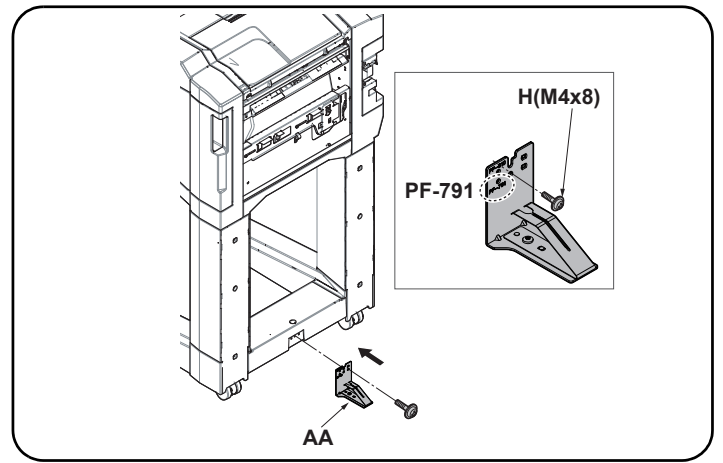
11. 使用 M4 x 8 (H) 螺丝, 将接地板 (AA) 安装至装订器下部中央位置。将接地板固定在刻有 "PF-810" 印记的位置。接地板 (AA) 是随附在 AK-740 内的。进入步骤 12。当安装了 PF-791 的情况时, 参考如下内容。

PF-810 이 설치되어 있는 경우

11. 나사 M4 x 8 (H) 을 이용하여 도큐먼트 피니셔 하부 중앙에 접지판 (AA) 을 설치합니다. "PF-810" 으로 표시된 곳에 플레이트를 고정하십시오. 접지판 (AA) 은 AK-740 과 함께 제공됩니다. 스텝 12 을 진행합니다. PF-791 이 설치되어 있는 경우 다음을 참조하십시오.

PF-810 が装着されている場合

11. アース板 (AA) をドキュメントフィニッシャー下部センターにビス M4 x 8 (H) で取り付ける。PF-810 の刻印のある位置で固定する。アース板 (AA) は AK-740 の同梱品。手順 12 に進む。PF-791 が装着されている場合は次に記載しています。



If PF-791 is installed

11. Install earth plate (AA) to the bottom center of document finisher using an M4 x 8 screw (H). Secure the plate at the location marked "PF-791". Earth plate (AA) is supplied with AK-740.

Si le PF-791 est installé

11. Installez la plaque de terre (AA) en bas au centre du finisseur de document à l'aide d'une vis M4 x 8 (H). Fixez la plaque à l'emplacement marqué "PF-791". La plaque de terre (AA) est fournie avec l'AK-740.

Si está instalado PF-791

11. Instale la placa de conexión a tierra (AA) a la parte central inferior del finalizador de documentos con un tornillo M4 x 8 (H). Fije la placa a la ubicación con la marca "PF-791". Con AK-740 se proporciona la placa de conexión a tierra (AA).

Falls der PF-791 installiert ist

11. Installieren Sie die Grundplatte (AA) mit der Schraube M4 x 8 (H) unten in die Mitte des Finishers. Sichern Sie die Platte an der Stelle, die mit "PF-791" markiert ist. Die Grundplatte (AA) wird mit dem AK-740 geliefert.

Quando è installato l'alimentatore carta modello PF-791

11. Installare la piastra di messa a terra (AA) al centro della base del finisher documenti utilizzando una vite M4 x 8 (H). Fissare la piastra nella posizione contrassegnata con "PF-791". La piastra di messa a terra (AA) viene fornita con AK-740.

当安装了 PF-791 的情况时

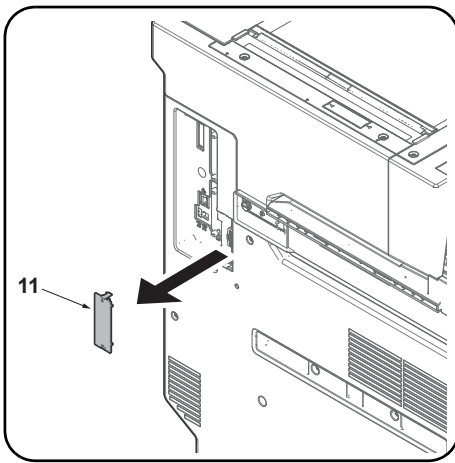
11. 使用 M4 x 8 (H) 螺丝, 将接地板 (AA) 安装至装订器下部中央位置。将接地板固定在刻有 "PF-791" 印记的位置。接地板 (AA) 是随附在 AK-740 内的。

PF-791 이 설치되어 있는 경우

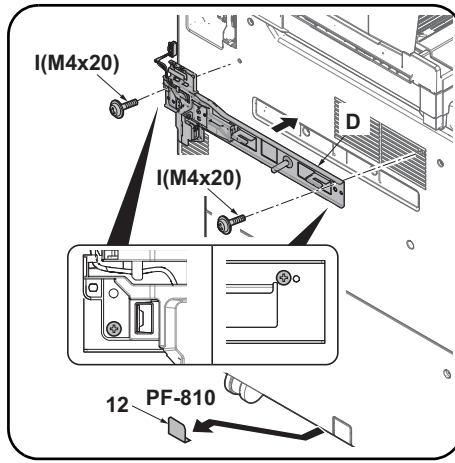
11. M4 x 8 나사 (H) 를 사용하여 접지판 (AA) 을 도큐먼트 피니셔의 하부 중앙에 부착합니다. "PF-791" 이 표시된 지점에 플레이트를 고정합니다. 접지판 (AA) 은 AK-740 과 함께 제공됩니다.

PF-791 が装着されている場合

11. アース板 (AA) をドキュメントフィニッシャー下部センターにビス M4 x 8 (H) で取り付ける。PF-791 の刻印のある位置で固定する。アース板 (AA) は AK-740 の同梱品。



12. Remove the machine interface cover (11).



13. Attach the connecting plate (D) to the machine using 2 M4 x 20 screws (I). Attach them at the point as shown above.

Only if PF-810 is installed, execute step 14.

14. Remove the breakaway cover (12) from the left cover.

If PF-791 is installed, proceed to step 15.

12. Déposer le capot d'interface (11) de la machine.

13. Fixez la plaque de connexion (D) à la machine à l'aide de 2 vis M4 x 20 (I). Raccordez-les au point indiqué ci-dessus.

N'exécutez l'étape 14 que si le PF-810 est installé.

14. Déposer le capot amovible (12) du capot gauche.

Si le PF-791 est installé, passez à l'étape 15.

12. Quite la cubierta de la interfaz (11) de la máquina.

13. Fije la placa de conexión (D) a la máquina mediante 2 tornillos M4 x 20 (I). Conéctelas en el punto que se muestra arriba.

Solo si está instalado PF-810, ejecute el paso 14.

14. Quite la cubierta divisoria (12) de la cubierta izquierda.

Si está instalado PF-791, vaya al paso 15.

12. Nehmen Sie die Schnittstellenabdeckung (11) des Geräts ab.

13. Bringen Sie die Verbindungsplatte (D) mit 2 M4 x 20 Schrauben (I) am Gerät an. Bringen Sie diese an der in der Abbildung gezeigten Stelle an.

Nur wenn der PF-810 installiert ist, führen Sie Schritt 14 aus.

14. Nehmen Sie die Ablösungsabdeckung (12) von der linken Abdeckung ab.

Falls PF-791 installiert ist, führen Sie Schritt 15 aus.

12. Rimuovere la copertura di interfaccia (11) della macchina.

13. Applicare la piastra di connessione (D) alla macchina utilizzando le 2 viti M4 x 20 (I). Fissare nella posizione sopra indicata.

Se è installato solo l'alimentatore carta modello PF-810, eseguire il punto 14.

14. Rimuovere il coperchio di distacco (12) dal coperchio sinistro.

Se è installato solo l'alimentatore carta modello PF-791, proseguire con il punto 15.

12. 拆下机器的接口盖板 (11)。

13. 使用 2 颗 M4×20 (I) 螺丝将连接板 (D) 安装到机器上。按图示位置来安装。

仅安装了 PF-810 的情况时, 执行步骤 14。

14. 去除左侧盖板上的可去除部 (12)。

当安装了 PF-791 的情况时, 进入步骤 15。

12. 본체의 인터페이스 커버 (11) 를 제거합니다 .

13. 나사 M4 × 20(I) 2 개를 사용하여 연결판 (D) 을 본체에 부착합니다 . 위에 표시된 위치에 부착합니다 .

PF-810 만 설치되어 있는 경우 스텝 14 를 실행하십시오 .

14. 좌측 커버의 분할커버부 (12) 를 떼어 냅니다 .

PF-791 이 설치되어 있는 경우 스텝 15 을 진행하십시오 .

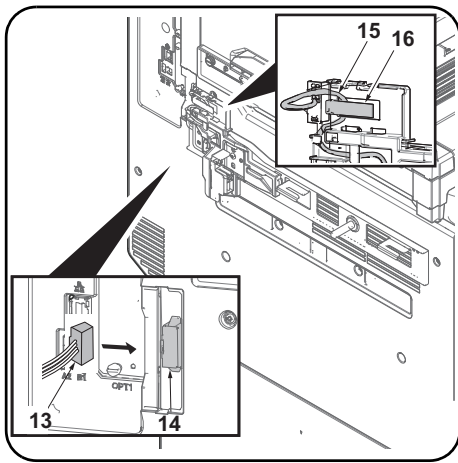
12. 機械本体のインターフェイスカバー(11) を取り外す。

13. 連結板 (D) をビス M4×20 (I) 2 本で、機械本体に取り付ける。図の位置で取り付けること。

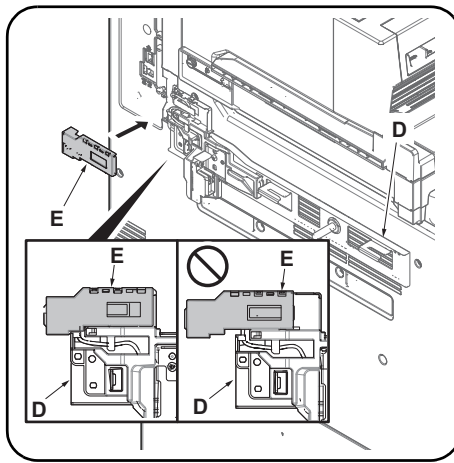
PF-810 が装着されている場合のみ手順 14 を行う。

14. 左カバーの割りカバー部 (12) を切り取る。

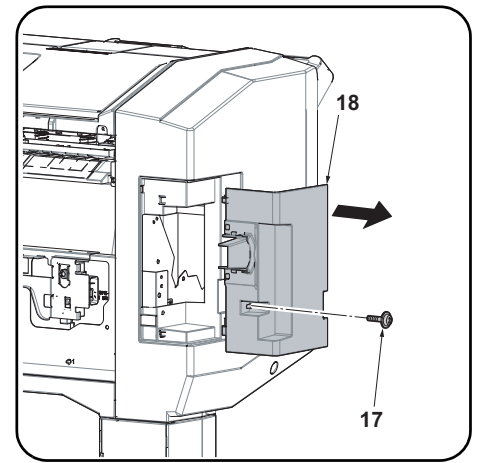
PF-791 が装着されている場合は手順 15 に進む。



15. Connect the signal line connector (13) to the connector (14) on the machine. Hook the signal line wire (15) onto the hook (16).



16. Fit the connector cover (E) in the connecting plate (D). Take care not to get the cable pinched by objects. Attach it at the point as shown above. Check that the signal line connector is covered by the connector cover (E).



17. Remove the screw (17). Remove the rear cover (18).

15. Raccorder le connecteur de ligne de signal (13) sur le connecteur (14) de la machine. Accrocher le fil de ligne de signal (15) sur le crochet (16).

16. Placer le cache de connecteur (E) dans la plaque de connexion (D). Prendre soin à ne pas pincer le câble. Raccordez-les au point indiqué ci-dessus. Vérifier que le connecteur de ligne de signal est couvert par le cache de connecteur (E).

17. Retirez la vis (17). Retire le capot arrière (18).

15. Conecte el conector de línea de señales (13) al conector (14) de la máquina. Enganche el cable de la línea de señales (15) en el enganche (16).

16. Acople la cubierta del conector (E) en la placa de conexión (D). Tenga cuidado de que el cable no quede atrapado por objetos. Conéctelas en el punto que se muestra arriba. Compruebe que el conector de la línea de señales quede cubierto por la cubierta del conector (E).

17. Quite el tornillo (17). Quite la cubierta posterior (18).

15. Verbinden Sie den Stecker der Signalleitung (13) mit dem Steckverbinder im Gerät (14). Hängen Sie das Kabel der Signalleitung (15) in den Befestigungshaken (16) ein.

16. Setzen Sie die Stecker-Abdeckung (E) in die Verbindungsplatte (D) ein. Stellen Sie sicher, dass das Kabel nicht eingeklemmt wird. Bringen Sie diese an der in der Abbildung gezeigten Stelle an. Überprüfen Sie, ob der Stecker der Signalleitung von der Stecker-Abdeckung (E) abgedeckt ist.

17. Entfernen Sie die Schraube (17). Entfernen Sie die hintere Abdeckung (18).

15. Collegare il connettore di linea del segnale (13) al connettore (14) sulla periferica. Agganciare il cavo di linea del segnale (15) al gancio (16).

16. Inserire il copri connettore (E) nella piastra di connessione (D). Fare attenzione a non impigliare il cavo. Fissare nella posizione sopra indicata. Controllare che il connettore della linea del segnale sia coperto dal copri connettore (E).

17. Togliere la vite (17). Rimuovere il coperchio posteriore (18).

15. 把信号线的接插件 (13) 和机器本体的接插件 (14) 相连接。把信号线 (15) 挂到挂钩 (16) 上。

16. 将接插件盖板 (E) 嵌入到连接板 (D)。请注意不要夹住电线。按图示位置来安装。请确认信号线的接插件是否完全隐藏在接插件盖板中 (E)。

17. 取下螺丝 (17)。取下后盖板 (18)。

15. 시그널 라인 연결커넥터 (13) 를 본체의 커넥터 (14) 에 연결합니다. 시그널 라인 와이어 (15) 를 후크 (16) 에 겁니다 .

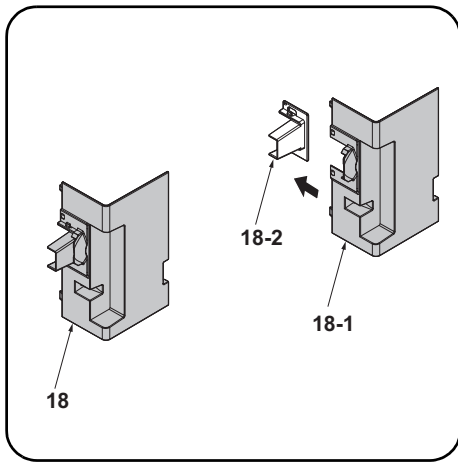
16. 커넥터 커버 (E) 를 연결판 (D) 에 맞추어 끼웁니다 . 케이블이 커넥터 커버 (E) 에 끼이지 않도록 주의합니다 . 위에 표시된 위치에 부착합니다 . 시그널라인 커넥터가 커넥터 커버 (E) 에 덮여있는지 확인합니다 .

17. 나사 (17) 를 제거합니다 . 후면 커버 (18) 를 제거합니다 .

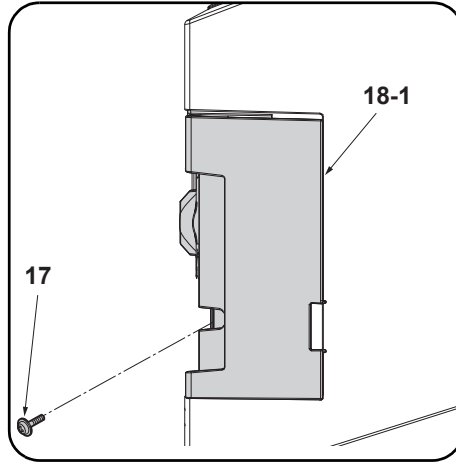
15. 信号線のコネクター(13)を機械本体のコネクター(14)に接続する。信号線(15)は、フック(16)に掛けること。

16. コネクターカバー(E)を連結板(D)にはめ込む。電線を挟み込まない様注意すること。図の位置で取り付けること。信号線のコネクターがコネクターカバー(E)で隠れていることを確認する。

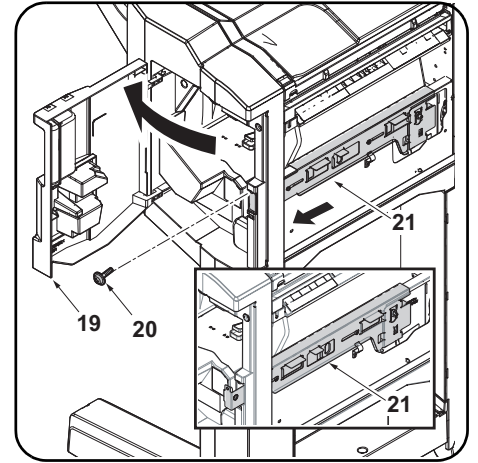
17. ビス(17)を外す。後カバー(18)を取り外す。



18. Separate the rear cover (18) into the two covers (18-1, 18-2).
The cover (18-2) is not used.



19. Install the cover (18-1) using the screw (17) removed in step 17.



20. Open the document finisher front cover (19). Remove the screw (20). Pull the lock frame (21) frontwards.

18. Séparez le capot arrière (18) en deux capots (18-1, 18-2).
Le capot (18-2) n'est pas utilisé.

19. Installez le capot (18-1) à l'aide de la vis (17) déposée à l'étape 17.

20. Ouvrir le capot avant du finisseur de document (19). Retirez la vis (20). Tirer le cadre de verrouillage (21) vers le bas.

18. Separe la cubierta posterior (18) en las dos cubiertas (18-1, 18-2).
La cubierta (18-2) no se utiliza.

19. Instale la cubierta (18-1) con un tornillo (17) quitado en el paso 17.

20. Abra la cubierta frontal del finalizador de documentos (19). Quite el tornillo (20). Empuje el marco de cierre (21) hacia delante.

18. Teilen Sie die hintere Abdeckung (18) in zwei Abdeckungen (18-1, 18-2) auf.
Die Abdeckung (18-2) wird nicht benötigt.

19. Installieren Sie die Abdeckung (18-1) mit der in Schritt 17 entfernten Schrauben (17).

20. Öffnen Sie die vordere Abdeckung des Finishers (19). Entfernen Sie die Schraube (20). Ziehen Sie die Verriegelung (21) nach vorne.

18. Separare il coperchio posteriore (18) in due coperchi (18-1, 18-2).
Il coperchio (18-2) non viene utilizzato.

19. Installare il coperchio (18-1) utilizzando la vite (17) rimossa nel passo 17.

20. Aprire il coperchio frontale del finisher documenti (19). Togliere la vite (20). Tirare in avanti la frame di blocco (21).

18. 将后盖板 (18) 分成 2 个盖板 (18-1, 18-2)。不需要盖板 (18-2)。

19. 使用在步骤 17 中取下的螺丝 (17) 来安装盖板 (18-1)。

20. 打开装订器的前盖板 (19)。取下螺丝 (20)。向身体前侧拉出固定架 (21)。

18. 후면 커버 (18) 를 2 개의 커버 (18-1, 18-2) 로 분리합니다.
커버 (18-2) 는 사용되지 않습니다.

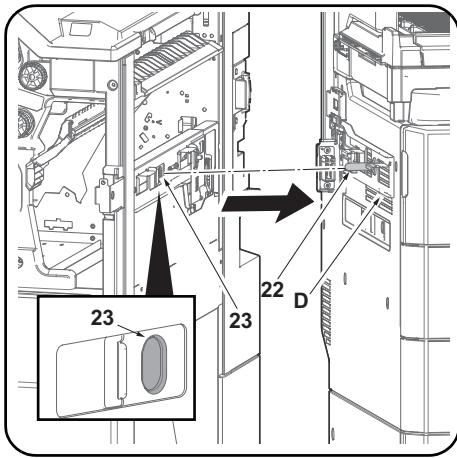
19. 순서 17 에서 뺀 나사 (17) 를 사용하여 커버 (18-1) 를 장착합니다.

20. 도큐먼트 피니셔의 상단 프론트 커버 (19) 를 엽니다. 나사 (20) 를 제거합니다. 잠금 프레임 (21) 을 앞으로 뺍니다.

18. 後カバー (18) を 2 つのカバー (18-1, 18-2) に分ける。
カバー (18-2) は不要。

19. 手順 17 で外したビス (17) でカバー (18-1) を取り付ける。

20. ドキュメントフィニッシャーの前カバー (19) を開く。ビス (20) を外す。ロックフレーム (21) を手前に引く。



21. Insert the pin (22) on the connecting plate (D) into the hole (23) on the document finisher. Connect the document finisher to the machine.

* If the document finisher doesn't comply with the reference of the height as described on page 11, adjust the height.

21. Introduire l'ergot (22) sur la plaque de connexion (D) dans le trou (23) sur le finisseur de document. Connecter le finisseur de document sur la machine.

* Si le finisseur de document n'est pas conforme à la référence de hauteur comme décrit à la page 11, ajustez la hauteur.

21. Inserte la clavija (22) de la placa de conexión (D) en el orificio (23) del finalizador de documentos. Conecte el finalizador de documentos a la máquina.

* Si el finalizador de documentos no cumple con la referencia de altura como se describe en la página 11, ajuste la altura.

21. Setzen Sie den Stift (22) der Verbindungsplatte (D) in die Öffnung (23) des Finishers. Verbinden Sie den Finisher mit dem Gerät.

* Falls die Höhe des Finishers nicht mit der auf Seite 11 in der Referenz beschriebenen Höhe übereinstimmt, justieren Sie die Höhe.

21. Inserire il perno (22) della piastra di connessione (D) nel foro (23) del finisher documenti. Collegare il finisher documenti alla macchina.

* Se il finisher documenti non è conforme con il riferimento altezza come descritto a pagina 11, regolare l'altezza.

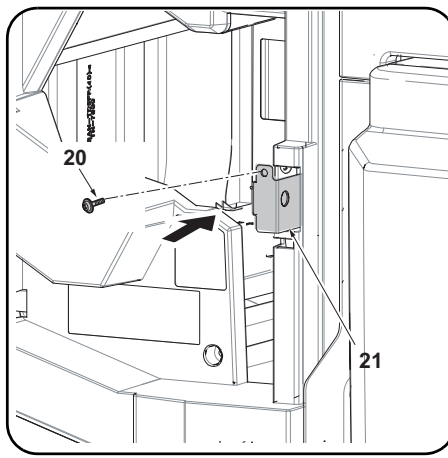
21. 将连接板 (D) 的销钉 (22) 插入装订器的孔 (23) 中。把装订器连接到机器本体。

※ 若不符合 P11 的【高度调整】的基准时, 执行【高度调整】。

21. 연결판 (D) 의 핀 (22) 을 도큐먼트 피니셔의 구멍 (23) 에 삽입합니다. 도큐먼트 피니셔를 본체에 연결합니다.

※ 연결할 도큐먼트 피니셔가 11 페이지에 설명된 높이 기준에 부합하지 않으면 높이를 조정하십시오.

21. 連結板 (D) のピン (22) をドキュメントフィニッシャーの穴 (23) に挿入する。ドキュメントフィニッシャーを機械本体に接続する。
※P11 の「高さ調整」の基準に適合しない場合は、「高さ調整」を行う。



22. Slowly push the lock frame (21) fully into the machine so that the connectors at the far end are connected.

23. Secure the lock frame (21) using the screw (20) removed in step 20.

22. Pousser doucement le cadre de verrouillage (21) à fond dans la machine de sorte que les connecteurs à l'extrémité soient raccordés.

23. Fixez le bâti de verrouillage (21) à l'aide de la vis (20) déposée à l'étape 20.

22. Empuje lentamente y hasta el fondo el marco del cierre (21) hacia la máquina de modo que se conecten los conectores en el extremo más lejano.

23. Asegure la carcasa de bloqueo (21) por medio del tornillo (20) quitado en el paso 20.

22. Schieben Sie die Verriegelung (21) wieder langsam ins Gerät, so dass die Verbindungen am anderen Ende des Geräts geschlossen werden.

23. Befestigen Sie den Fixierahmen (21) mit der in Schritt 20 entfernten Schraube (20).

22. Spingere lentamente la frame di blocco (21) nella macchina in modo che i connettori all'estremità risultino collegati.

23. Fissare il telaio di bloccaggio (21) utilizzando la vite (20) rimossa nel passo 20.

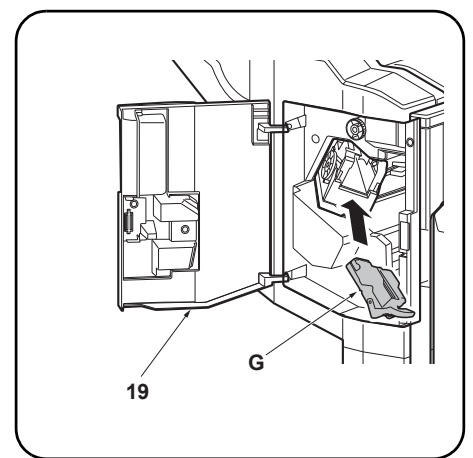
22. 慢慢的把固定架 (21) 完全推入机器, 这样机器里侧的接插件就可以顺利连接。

23. 使用步骤 20 中取下的 1 颗螺丝 (20) 来固定锁框 (21)。

22. 본체 뒷쪽의 커넥터가 연결되도록 잠금 프레임 (21) 을 본체 안으로 천천히 밀어 넣습니다.

23. 스텝 20 에서 뺀 나사 (20) 1 개로 잠금 프레임 (11) 을 고정합니다.

22. 機械奥側のコネクタが接続されるように、ロックフレーム (21) をゆっくり奥に押す。
23. 手順 20 で外したビス (20) で、ロックフレーム (21) を固定する。



24. Install the staple cartridge (G).

25. Close the front cover (19).

Proceed to adjusting the stapling position on page 15.

24. Installer la cartouche d'agrafes (G).

25. Refermer le capot avant (19).

Passez à l'ajustement de la position d'agrafage page 15.

24. Instale el cartucho de grapas (G).

25. Cierre la cubierta frontal (19).

Proceda al ajuste de la posición de grapado en la página 15.

24. Installieren Sie das Heftklammer-Magazin (G).

25. Schließen Sie die vordere Abdeckung (19).

Fahren Sie mit der Justage der Heftposition auf Seite 15 fort.

24. Installare il contenitore punti (G).

25. Chiudere il pannello anteriore (19).

Proseguire con la regolazione della posizione di pinzatura a pagina 15.

24. 安装装订针盒 (G)。

25. 关闭前盖板 (19)。

跳至 P15「调节装订位置」。

24. 스테이플 카트리지를 (G) 를 설치합니다.

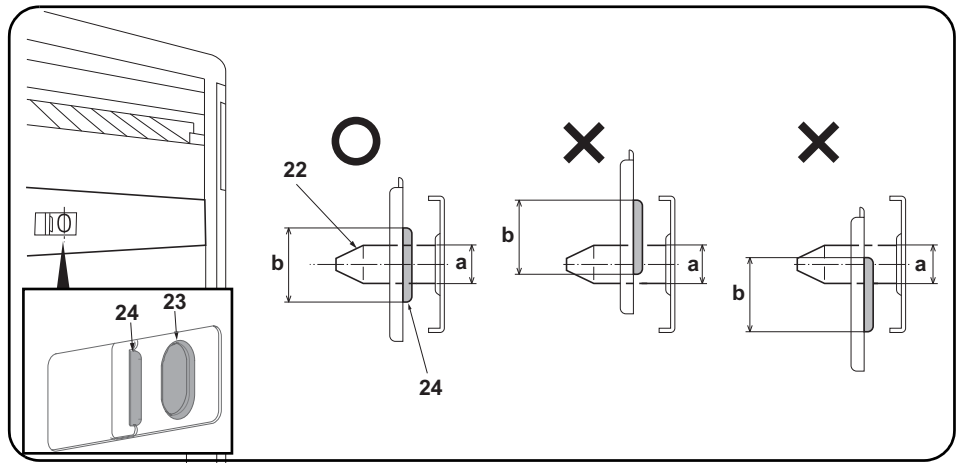
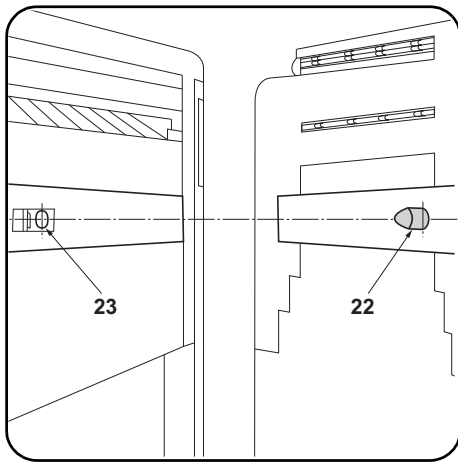
25. 상단 프론트 커버 (19) 를 닫습니다.

15 페이지의 스테이플 위치 조정을 진행합니다.

24. 스테이플 카트리지를 (G) 를取り付けます。

25. 前カバー (19) を閉じます。

P15「ステープル位置の調整」に進む。



Adjusting the height

1. Check that the respective heights of the pins (22) on the connecting plate installed on the machine and the connecting holes (23) on the document finisher comply with the standards below.

Compliant: The diameter (a) of the pin (22) is within the height range (b) of the curved section (24).
 Non-compliant: The diameter (a) of the pin (22) extends beyond the height range (b) of the curved section (24).
 If the heights are non-compliant, use the procedure below to adjust the height.

Réglage de la hauteur

1. Vérifiez que les hauteurs respectives des ergots (22) sur la plaque de connexion installée sur la machine et les trous de connexion (23) sur le finisseur de document sont conformes aux références ci-dessous.

Bon : Le diamètre (a) de l'ergot (22) est dans les limites de hauteur (b) de la partie courbée (24).
 Mauvais : Le diamètre (a) de l'ergot (22) dépasse les limites de hauteur (b) de la partie courbée (24).
 Si la hauteur n'est pas conforme, l'ajuster en procédant comme indiqué ci-dessous.

Ajuste de la altura

1. Compruebe que las alturas correspondientes de las clavijas (22) de la placa de fijación instalada en la máquina y los orificios de conexión (23) del finalizador de documentos cumplen las referencias de abajo.

Cumple: el diámetro (a) de la clavija (22) está dentro del rango de altura (b) de la sección curvada (24).
 No cumple: el diámetro (a) de la clavija (22) sobrepasa el rango de altura (b) de la sección curvada (24).
 Si las alturas no cumplen con las especificaciones, utilice el siguiente procedimiento para ajustar la altura.

Einstellen der Höhe

1. Überprüfen Sie, dass die jeweilige Höhe der Stifte (22) der am Gerät installierten Verbindungsplatte und Verbindungsöffnungen (23) des Finishers mit den unten angegebenen Werten übereinstimmen.

Korrekt: Der Durchmesser (a) des Stifts (22) befindet sich im Höhenbereich (b) des Kurvenabschnitts (24).
 Nicht korrekt: Der Durchmesser (a) des Stifts (22) ragt über den Höhenbereich (b) des Kurvenabschnitts (24) hinaus.
 Falls die Höhen nicht korrekt sind, müssen Sie sie wie folgend einstellen.

Regolazione dell'altezza

1. Controllare che le rispettive altezze dei perni (22) sulla piastra di connessione installata sulla macchina e i fori di connessione (23) sulla finisher documenti corrispondano ai riferimenti mostrati sotto.

Conformità: Il diametro (a) del perno (22) è compreso nella gamma di altezza (b) della sezione curvata (24).
 Non conformità: Il diametro (a) del perno (22) si estende oltre la gamma di altezza (b) della sezione curvata (24).
 Se le altezze sono non corrispondenti, utilizzare la procedura riportata sotto per regolare l'altezza.

高度调节

1. 确认机器主机上安装的连接板的销钉 (22) 和装订器的连接用的孔 (23) 的高度是否符合以下标准。

符合: 销钉 (22) 的直径 a 在弯曲部 (24) 的高度 b 的范围内。
 不符合: 销钉 (22) 的直径 a 超出了弯曲部 (24) 的高度 b 的范围。
 不符合时, 通过以下步骤进行调节。

높이조절

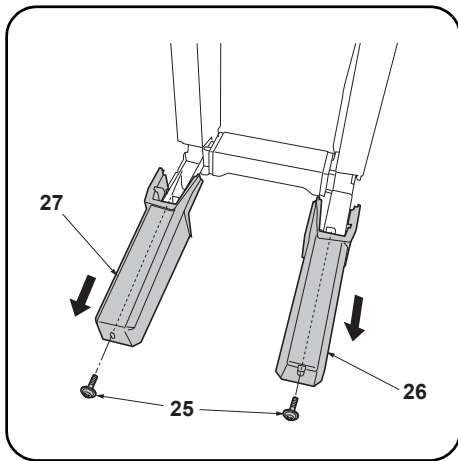
1. 본체에 설치된 연결판의 핀 (22) 과 도큐먼트 피니셔의 연결용 구멍 (23) 의 각 높이가 아래의 기준에 부합하는지 확인합니다.

적합 : 핀 (22) 의 직경 a 가 곡선부 (24) 의 높이 b 의 범위에 들어간다.
 부적합: 핀 (22) 의 직경 a 가 곡선부 (24) 의 높이 b 의 범위를 넘는다.
 부적합의 경우에는 이하의 순서대로 조정합니다.

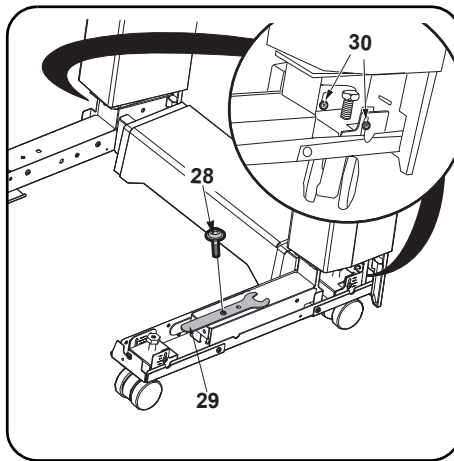
高さ調整

1. 機械本体に取り付けた連結板のピン (22) とドキュメントフィニッシャーの連結用の穴 (23) の高さが以下の基準に適合するか確認する。

適合: ピン (22) の直径 (a) が曲げ部 (24) の高さ (b) の範囲に収まっている。
 不適合: ピン (22) の直径 (a) が曲げ部 (24) の高さ (b) の範囲からはみだしている。
 不適合の場合は、以下の手順で調整する。



2. Remove each of the screws (25) and remove the front foot cover (26) and rear foot cover (27).



3. Remove the screw (28) to remove the spanner (29).
4. Loosen the 2 screws (30) on the front right and on the rear right of the document finisher.

2. Déposer toutes les vis (25) puis le capot du pied avant (26) et le capot du pied arrière (27).

3. Déposer la vis (28) pour libérer la clé (29).
4. Desserrer les 2 vis (30) du côté avant droit et arrière droit du finisseur de document.

2. Quite cada uno de los tornillos (25) y quite la cubierta de la pata frontal (26) y la cubierta de la pata posterior (27).

3. Quite el tornillo (28) para extraer la llave inglesa (29).
4. Afloje los 2 tornillos (30) en los lados derecho frontal y derecho posterior del finalizador de documentos.

2. Entfernen Sie sämtliche Schrauben (25) und nehmen Sie die Vorderfußabdeckung (26) und die Hinterfußabdeckung (27).

3. Entfernen Sie die Schraube (28), um den Schlüssel (29) abzunehmen
4. Lösen Sie die 2 Schrauben (30) vorne rechts und hinten rechts am Finisher.

2. Rimuovere ciascuna delle viti (25) e quindi rimuovere la copertura del piede anteriore (26) e la copertura del piede posteriore (27).

3. Rimuovere la vite (28) per rimuovere la chiave (29).
4. Allentare le 2 viti (30) sulla parte anteriore destra e posteriore destra della finisher documenti.

2. 拆除各 1 顆螺丝 (25), 取下前脚座盖板 (26)、后脚座盖板 (27)。

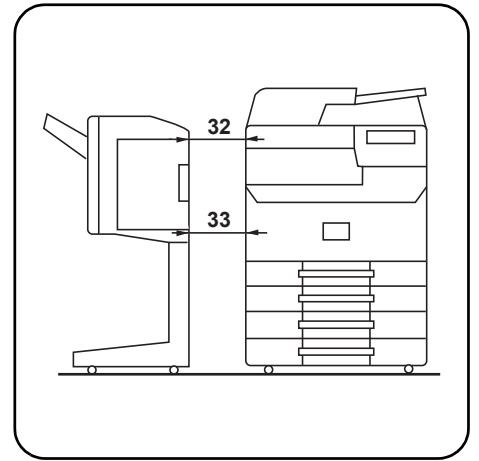
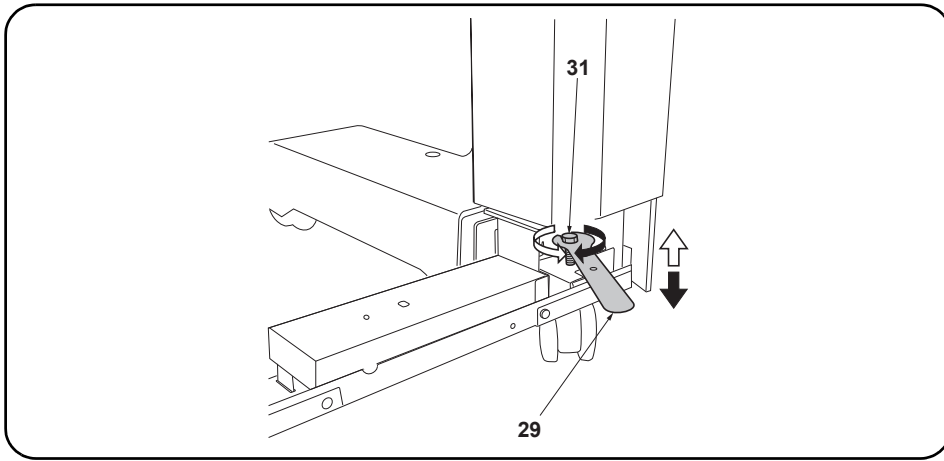
3. 取下螺丝 (28) 以便拆下扳手 (29)。
4. 拧松装订器右前侧与右后侧的各 2 顆螺丝 (30)。

2. 나사 (25) 각 1 개를 빼고 풋커버 앞 (26), 풋커버 뒤 (27) 를 뺍니다 .

3. 나사 (28) 1 개를 빼고 , 스패너 (29) 를 떼어 냅니다 .
4. 도큐먼트 피니셔 우측 앞과 뒤의 나사 (30) 각 2 개를 느슨하게 합니다 .

2. ビス (25) 各 1 本を外し、フットカバー前 (26)、フットカバー後 (27) を取り外す。

3. ビス (28) 1 本を外し、スパナー (29) を取り外す。
4. ドキュメントフィニッシャー右前と右後のビス (30) 各 2 本を緩める。



5. Turn the adjustment bolts (31) with the spanner (29) to adjust the height of the document finisher. Turning the adjustment bolt clockwise lifts the document finisher, and turning it counterclockwise lowers the document finisher.
6. Retighten each of the 2 screws (30) and replace the spanner (29).

7. If the distances between the document finisher and the machine (32, 33) are unequal, use the procedure below to adjust the spacing.

5. Faire tourner les boulons de réglage (31) avec la clé (29) pour ajuster la hauteur du finisseur de document. Tourner le boulon de réglage dans le sens horloger pour lever le finisseur de document, et dans le sens contraire au sens horloger pour le descendre.
6. Resserrer les 2 vis (30) et repositionner la clé (29) au même endroit.

7. Si les distances entre le finisseur de document et la machine (32, 33) sont inégales, régler l'espacement en procédant de la manière suivante.

5. Gire los pernos de ajuste (31) con la llave inglesa (29) para ajustar la altura del finalizador de documentos. Al girar el perno de ajuste en la dirección de las manecillas del reloj se levanta el finalizador de documentos y al girar en sentido contrario a las manecillas del reloj baja el finalizador de documentos.
6. Vuelva a apretar los 2 tornillos (30) y coloque la llave inglesa en su lugar (29).

7. Si las distancias entre el finalizador de documentos y la máquina (32, 33) no son iguales, utilice el siguiente procedimiento para ajustar la separación.

5. Drehen Sie die Einstellschrauben (31) mit dem Schlüssel (29), um die Höhe des Finishers einzustellen. Durch Drehen der Einstellschraube im Uhrzeigersinn wird der Finisher angehoben, während er durch Drehen entgegen dem Uhrzeigersinn abgesenkt wird.
6. Ziehen Sie die 2 Schrauben (30) wieder an und verstauen Sie den Schlüssel (29) wieder.

7. Falls die Abstände zwischen dem Finisher und dem Gerät (32, 33) ungleich sind, führen Sie die unten angegebenen Schritte aus, um den Abstand zu korrigieren.

5. Ruotare i bulloni di regolazione (31) con la chiave (29) per regolare l'altezza della finisher documenti. Ruotando il bullone di regolazione in senso orario si solleva la finisher documenti, mentre ruotandolo in senso antiorario si abbassa la finisher documenti.
6. Ristringere ciascuna delle 2 viti (30) e riporre la chiave (29).

7. Se le distanze tra la finisher documenti e la macchina (32, 33) sono diverse, attenersi alla sottostante procedura per regolare la spaziatura.

5. 使用扳手 (29) 旋转调节螺栓 (31), 以调节装订器的高度。将调节螺栓向顺时针方向旋转, 装订器的高度升高, 逆时针方向旋转则装订器的高度降低。
6. 拧紧各 2 颗螺丝 (30), 按原样安装扳手 (29)。

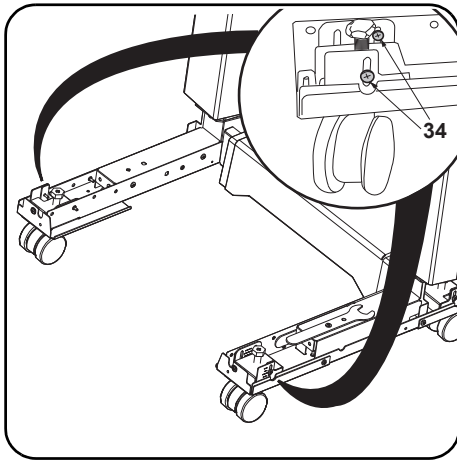
7. 装订器与机器的间隙 (32、33) 不等时, 按以下步骤进行调节。

5. 스패너 (29) 로 조정 볼트 (31) 를 돌려 도큐먼트 피니셔의 높이를 조정한다. 조정 볼트를 시계방향으로 돌리면 도큐먼트 피니셔의 높이가 높아지고, 반 시계방향으로 돌리면 낮아 집니다.
6. 나사 (30) 각 2 개를 조이고 스패너 (29) 를 원래 자리에 장착합니다.

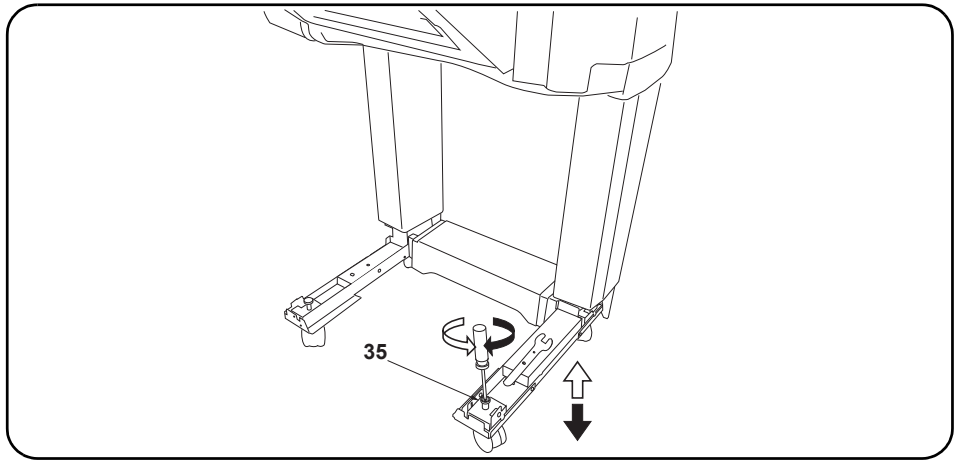
7. 도큐먼트 피니셔와 본체의 거리 (32, 33) 가 동일하지 않는 경우 아래의 절차에 따라 간격을 조정합니다.

5. スパナー (29) で調整ボルト (31) を回し、ドキュメントフィニッシャーの高さを調整する。調整ボルトを時計方向に回すとドキュメントフィニッシャーの高さが高くなり、反時計方向に回すと低くなる。
6. ビス (30) 各 2 本を締め付け、スパナー (29) を元通り取り付け。

7. ドキュメントフィニッシャーと機械本体の間隔 (32, 33) が等しくない場合は、以下の手順で調整を行う。



8. Loosen the 2 screws (34) on the front left and on the rear left of the document finisher.



9. Turn the adjustment bolts (35) with a Philips-head screwdriver to adjust the height of the document finisher.
Turning the adjustment bolt clockwise lifts the document finisher, and turning it counterclockwise lowers the document finisher.

10. Retighten each of the 2 screws (34).

11. Replace the front foot cover (26) and rear foot cover (27).

8. Desserrer les 2 vis (34) du côté avant gauche et arrière gauche du finisseur de document.

9. Faire tourner les boulons de réglage (35) à l'aide d'un tournevis cruciforme pour ajuster la hauteur du finisseur de document.
Tourner le boulon de réglage dans le sens horloger pour lever le finisseur de document, et dans le sens contraire au sens horloger pour le descendre.

10. Resserrer les 2 vis (34).

11. Reposer le capot du pied avant (26) et le capot du pied arrière (27).

8. Afloje los 2 tornillos (34) en los lados izquierdo frontal e izquierdo posterior del finalizador de documentos.

9. Gire los pernos de ajuste (35) con un destornillador de cabeza Philips para ajustar la altura del finalizador de documentos.
Al girar el perno de ajuste en la dirección de las manecillas del reloj se levanta el finalizador de documentos y al girar en sentido contrario a las manecillas del reloj baja el finalizador de documentos.

10. Vuelva a apretar los 2 tornillos (34).

11. Vuelva a colocar la cubierta de la pata frontal (26) y la cubierta de la pata posterior (27).

8. Lösen Sie die 2 Schrauben (34) vorne links und hinten links am Finisher.

9. Stellen Sie die Einstellschrauben (35) mit einem Kreuzschlitzschraubendreher ein, um die Höhe des Finishers zu korrigieren.
Durch Drehen der Einstellschraube im Uhrzeigersinn wird der Finisher angehoben, während er durch Drehen entgegen dem Uhrzeigersinn abgesenkt wird.

10. Ziehen Sie die 2 Schrauben (34) nach.

11. Setzen Sie die Vorderfußabdeckung (26) und die Hinterfußabdeckung (27) wieder ein.

8. Allentare le 2 viti (34) sulla parte anteriore sinistra e posteriore sinistra della finisher documenti.

9. Ruotare i bulloni di regolazione (35) con un cacciavite con testa a croce tipo Philips per regolare l'altezza della finisher documenti.
Ruotando il bullone di regolazione in senso orario si solleva la finisher documenti, mentre ruotandolo in senso antiorario si abbassa la finisher documenti.

10. Ristringere ciascuna delle 2 viti (34).

11. Ricollocare la copertura del piede anteriore (26) e la copertura del piede posteriore (27).

8. 拧松装订器左前侧与左后侧的各 2 颗螺丝 (34)。

9. 使用十字螺丝刀旋转调节螺栓 (35)，以调节装订器的高度。
将调节螺栓向顺时针方向旋转，装订器的高度升高，逆时针方向旋转则装订器的高度降低。

10. 拧紧各 2 颗螺丝 (34)。

11. 将前脚座盖板 (26)、后脚座盖板 (27) 按原样安装

8. 도큐먼트 피니셔 좌측 앞과 뒤의 나사 (34) 각 2 개를 느슨하게 합니다 .

9. 플러스 드라이버로 조정 볼트 (35) 를 돌려 도큐먼트 피니셔 높이를 조정합니다 .
조정 볼트를 시계방향으로 돌리면 도큐먼트 피니셔의 높이가 높아지고, 반 시계방향으로 돌리면 낮아 집니다 .

10. 나사 (34) 각 2 개를 조입니다 .

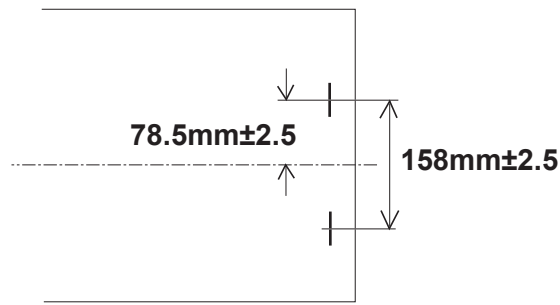
11. 풋커버 앞 (26), 풋커버 뒤 (27) 를 원래대로 장착합니다 .

8. ドキュメントフィニッシャー左前と左後のビス (34) 各 2 本を緩める。

9. プラスドライバーで調整ボルト (35) を回し、ドキュメントフィニッシャーの高さを調整する。
調整ボルトを時計方向に回すとドキュメントフィニッシャーの高さが高くなり、反時計方向に回すと低くなる。

10. ビス (34) 各 2 本を締め付ける。

11. フットカバー前 (26)、フットカバー後 (27) を元通りに取り付ける。



Adjusting the stapling position

1. Connect the machine power plug to the wall outlet and turn the machine main power switch on.
2. Make a test copy using staple mode (double stapled).
3. Check whether the stapling position is off-center. If the staple position is off-center, follow the procedure below to adjust the position.
<Reference value> 78.5 mm \pm 2.5 mm from the center of the paper

Ajustement de la position d'agrafage

1. Insérer la fiche d'alimentation de la machine dans la prise murale et mettre la machine sous tension.
2. Procéder à une copie d'essai en mode agrafage (double agrafage).
3. Vérifier que la position d'agrafage n'est pas en décalage. Si la position d'agrafage est décalée, la régler en procédant de la manière suivante.
<Valeur de référence> 78,5 mm \pm 2,5 mm depuis le milieu de la feuille de papier.

Ajuste de la posición de grapado

1. Conecte el enchufe de la máquina al receptáculo de pared y encienda el interruptor principal de la máquina.
2. Haga una copia de prueba en el modo de grapado (grapado doble).
3. Compruebe si la posición de grapado está descentrada. Si la posición de grapado está descentrada, realice el siguiente procedimiento para ajustar la posición.
<Valor de referencia> 78,5 mm \pm 2,5 mm del centro del papel

Justage der Heftposition

1. Stecken Sie den Netzstecker des Geräts in die Wandsteckdose und schalten Sie das Gerät am Gauptschalter ein.
2. Erstellen Sie eine Probekopie im Heftmodus (doppelt geheftet).
3. Prüfen Sie, ob die Heftposition außermittig ist. Falls die Heftposition außermittig ist, müssen Sie sie wie folgend einstellen.
<Bezugswert> 78,5 mm \pm 2,5 mm von der Blattmitte

Regolazione della posizione di pinzatura

1. Collegare la spina alla presa di corrente a muro e accendere l'interruttore di alimentazione della macchina.
2. Eseguire una copia di prova utilizzando la modalità di spillatura con punti metallici (spillatura doppia).
3. Verificare che la posizione di spillatura non sia fuori centro. Se la posizione di spillatura è fuori centro, seguire la procedura riportata sotto per regolare la posizione.
<Valore di riferimento> 78,5 mm \pm 2,5 mm dal centro del foglio

调节装订位置

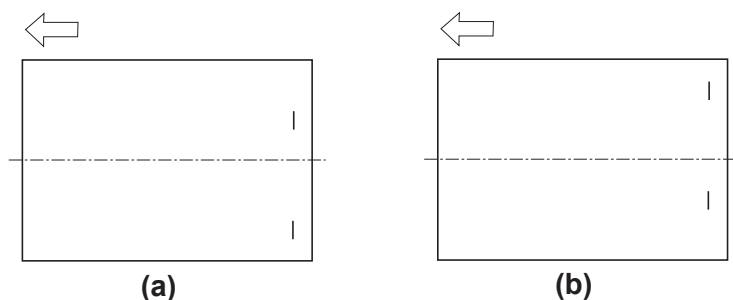
1. 将机器上的电源插头插入电源插座中，打开主电源开关。
2. 在装订模式（2点固定）下进行测试复印。
3. 确认装订位置的偏差。装订位置偏离中心时，按以下步骤进行调节。
<基准值> 距离纸张中心 78.5mm \pm 2.5mm

스태이플 위치 조정

1. 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON으로 합니다.
2. 스타이플 모드 (더블 스타이플) 에서 테스트 카피를 합니다.
3. 스타이플 위치의 센터 어긋남을 확인합니다. 스타이플 위치가 중심에서 벗어난 경우 다음 순서로 조정을 합니다.
<기준치> 용지 센터에서 78.5mm \pm 2.5mm

ステーブル位置の調整

1. 機械本体の電源プラグをコンセントに差し込み、主電源スイッチをONにする。
2. ステーブルモード(2箇所止め)でテストコピーを行う。
3. ステーブル位置のセンターずれを確認する。ステーブル位置が中心からずれていた場合、次の手順で調整を行う。
<基準値> 用紙センターより 78.5mm \pm 2.5mm



4. Set maintenance mode U246, select [Finisher] and [Staple HP].
 5. Adjust the values.
 If the paper is stapled too close to the front of the machine (a): Increase the setting value.
 If the paper is stapled too close to the rear of the machine (b): Decrease the setting value.

6. Perform a test copy.
 7. Repeat steps 4 to 6 until the staple position is within the reference value.
 <Reference value> 78.5 mm \pm 2.5 mm from the center of the paper

4. Passer en mode maintenance U246, sélectionner [Finisher] et [Staple HP].
 5. Régler les valeurs.
 Si le papier est agrafé trop près de l'avant de la machine (a): augmenter la valeur de réglage.
 Si le papier est agrafé trop près de l'arrière de la machine (b): réduire la valeur de réglage.

6. Effectuer une copie de test.
 7. Recommencer les étapes 4 à 6 jusqu'à ce que la position d'agrafe soit conforme à la valeur de référence
 <Valeur de référence> 78,5 mm \pm 2,5 mm depuis le milieu de la feuille de papier.

4. Entre en el modo de mantenimiento U246, seleccione [Finisher] y [Staple HP].
 5. Ajuste los valores.
 Si el grapado del papel se encuentra demasiado cerca del frente de la máquina (a): aumente el valor de configuración.
 Si el grapado del papel se encuentra demasiado cerca de la parte posterior de la máquina (b): disminuya el valor de configuración.

6. Haga una copia de prueba.
 7. Repita los pasos 4 a 6 hasta que la posición de grapado se encuentre dentro del valor de referencia.
 <Valor de referencia> 78,5 mm \pm 2,5 mm del centro del pape

4. Schalten Sie in den Wartungsmodus U246, wählen Sie [Finisher] und [Staple HP].
 5. Die Werte einstellen.
 Falls das Papier zu nahe am vorderen Rand des Geräts (a) abgestapelt wird: Vergrößern Sie den Stellwert.
 Falls das Papier zu nahe am hinteren Rand des Geräts (b) abgestapelt wird: Verkleinern Sie den Stellwert.

6. Eine Testkopie erstellen.
 7. Wiederholen Sie die Schritte 4 bis 6, bis die Heftposition im Bereich des Bezugswerts liegt.
 <Bezugswert> 78,5 mm \pm 2,5 mm von der Blattmitte

4. Impostare la modalità manutenzione U246, selezionare [Finisher] e [Staple HP].
 5. Regolare i valori.
 Se il foglio viene spillato troppo vicino alla parte anteriore della macchina (a): Aumentare il valore di impostazione.
 Se il foglio viene spillato troppo vicino alla parte posteriore della macchina (b): Diminuire il valore di impostazione.

6. Eseguire una copia di prova.
 7. Ripetere i passi 4 to 6 finché la posizione di spillatura risulta all'interno del valore di riferimento.
 <Valore di riferimento> 78,5 mm \pm 2,5 mm dal centro del foglio

4. 设置维护模式 U246, 选择 [Finisher]、[Staple HP]。
 5. 调整设定值。
 装订位置向机器前部偏移时 (a): 调高设定值。
 装订位置向机器后部偏移时 (b): 调低设定值。

6. 进行测试复印。
 7. 重复步骤 4 ~ 6, 直到装订位置在基准范围内为止。
 <基准值> 距离纸张中心 78.5mm \pm 2.5mm

4. 메인テナンス 모드 U246 을 설정하고 [Finisher], [Staple HP] 를 선택합니다.
 5. 설정값을 조정합니다.
 스테이플 위치가 기기앞측으로 벗어난 경우 (a): 설정치를 높입니다.
 스테이플 위치가 기기뒷측으로 벗어난 경우 (b): 설정치를 내입니다.

6. 테스트 카피를 합니다.
 7. 스테이플 위치가 기준치 이 내로 될 때까지 스텝 4 ~ 6 을 반복합니다.
 <기준치> 용지 센터에서 78.5mm \pm 2.5mm

4. メンテナンスモード U246 をセットし、[Finisher]、[Staple HP] を選択する。
 5. 設定値を調整する。
 ステープル位置が機械前側にずれている場合 (a): 設定値を上げる。
 ステープル位置が機械後側にずれている場合 (b): 設定値を下げる。

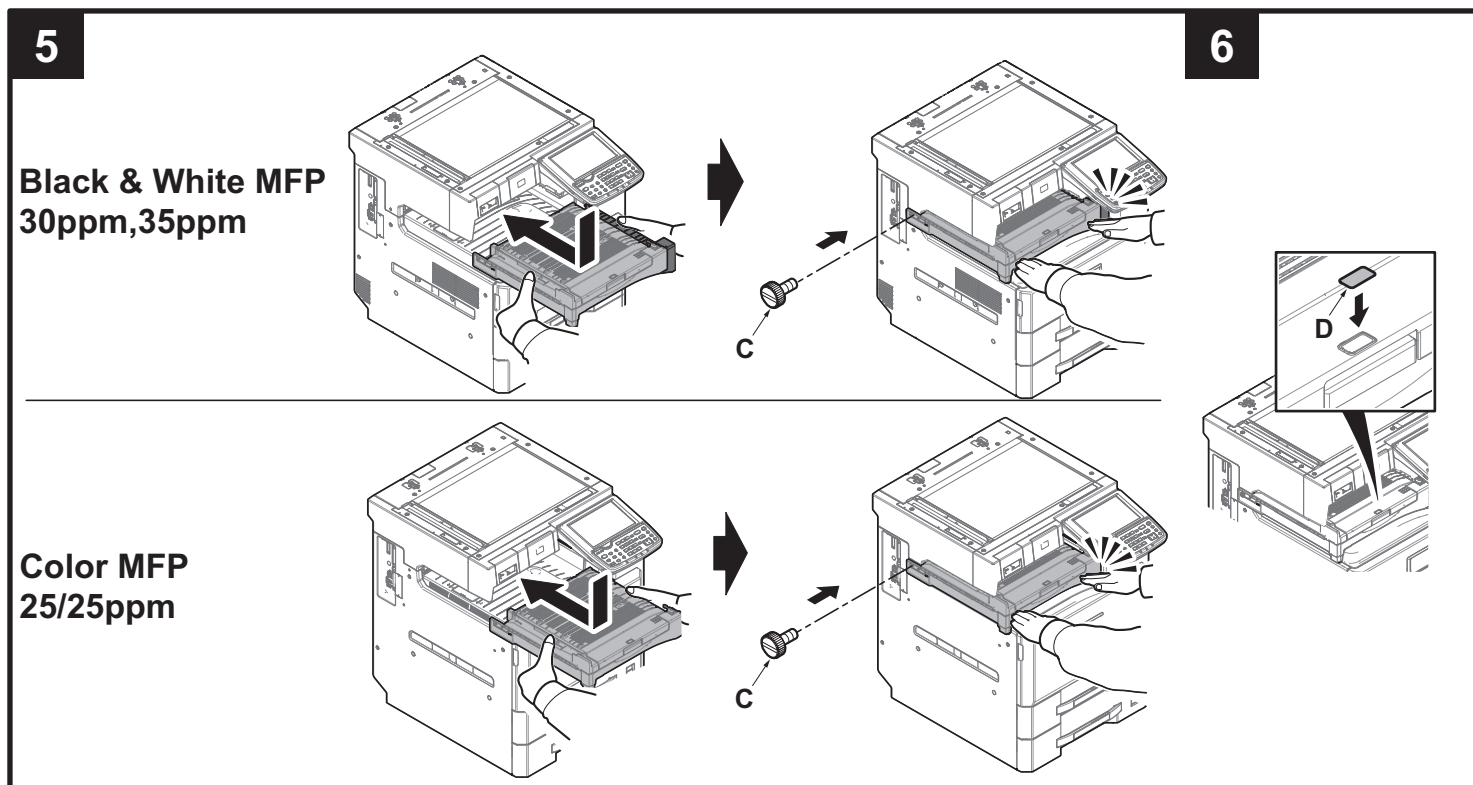
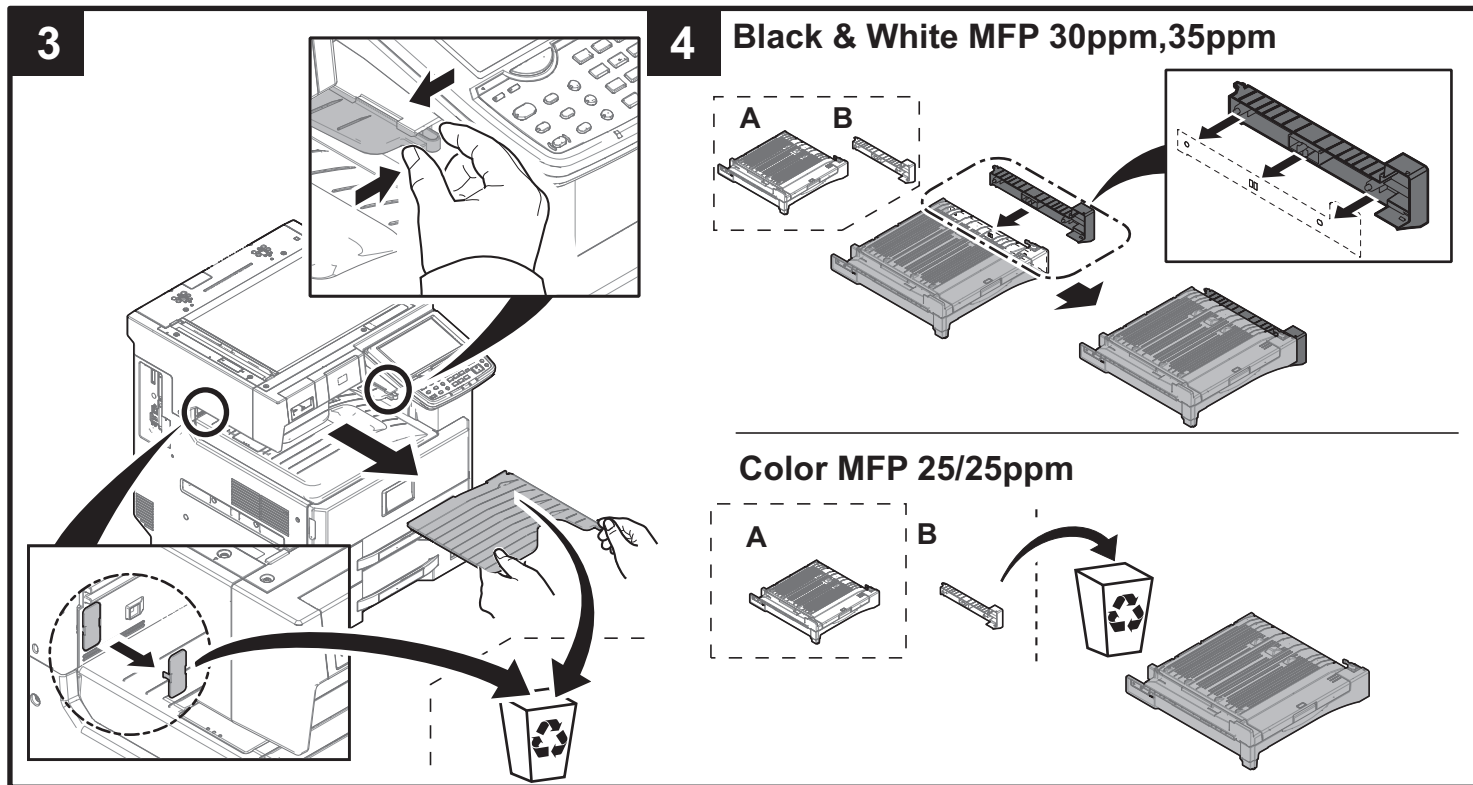
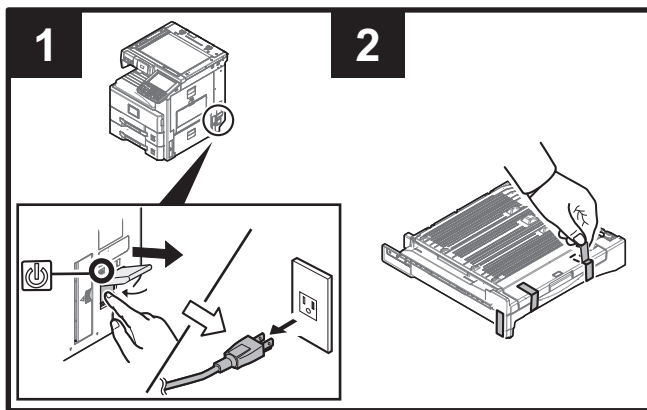
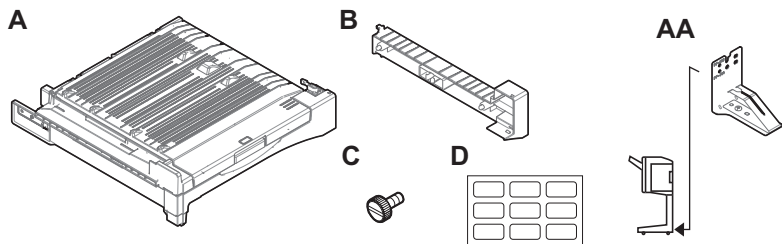
6. テストコピーを行う。
 7. ステープル位置が基準値内になるまで、手順 4 ~ 6 を繰り返す。
 <基準値> 用紙センターより 78.5mm \pm 2.5mm

AK-740 (Bridge unit)

Installation Guide

AK-740 ATTACHMENT KIT

for Black & White MFP 30ppm,35ppm
Color MFP 25/25ppm



303PD5671001

2013.6
303PD56710-01

PH-7A/C/D (Punch unit)

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

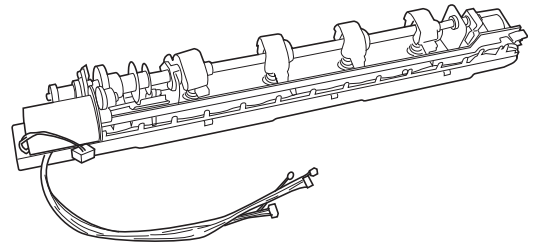
GUIDA ALL'INSTALLAZIONE

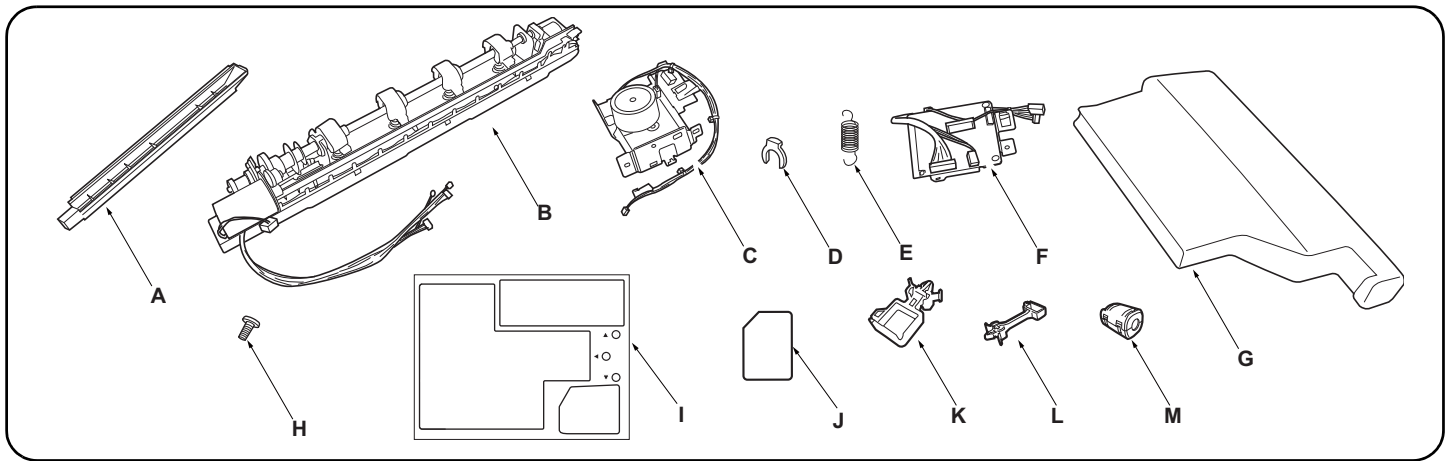
安装手册

설치안내서

設置手順書

PH-7A/PH-7B/PH-7C/PH-7D





English		Supplied parts	A. Punch guide..... 1 B. Hole punch unit..... 1 C. Motor unit..... 1 D. Stop ring 1	E. Spring..... 1 F. Punch PWB 1 G. Waste hole punch box 1 H. M3 × 8 tap Tight S screw 3 I. Label sheet 1 J. Film 1 K. Small clamp (for DF-770)..... 1	L. Large clamp (for DF-790) 1 M. Ferrite core 1
Français		Pièces fournies	A. Guide de perforatrice..... 1 B. Perforatrice 1 C. Moteur 1 D. Bague d'arrêt 1	E. Ressort 1 F. PWB de la perforatrice..... 1 G. Bac de récupération de la perforatrice..... 1 H. Vis S taraudée M3 × 8 3 I. Feuillet d'étiquettes 1 J. Film 1 K. Petit collier (pour DF-770)..... 1	L. Grand collier (pour DF-790)..... 1 M. Noyau de ferrite 1
Español		Partes suministradas	A. Guía de perforación..... 1 B. Perforadora..... 1 C. Unidad motriz 1 D. Anillo de tope..... 1	E. Resorte 1 F. PWB de perforación..... 1 G. Caja para desechos de la perforación 1 H. Tornillo de ajuste M3 × 8..... 3 I. Hoja con etiqueta 1 J. Película 1 K. Sujetador pequeño (para DF-770)..... 1	L. Sujetador grande (para DF-790)..... 1 M. Núcleo de ferrita..... 1
Deutsch		Gelieferte Teile	A. Locherführung 1 B. Lochereinheit..... 1 C. Motoreinheit..... 1 D. Anschlagring..... 1	E. Feder 1 F. Locher-PWB 1 G. Lochungsabfallbehälter..... 1 H. M3 × 8 Passstift-Verbandschrauben 3 I. Aufkleberbogen..... 1 J. Film 1 K. Kleine Klemme (für DF-770)..... 1	L. Große Klemme (für DF-790)..... 1 M. Ferritkern 1
Italiano		Parti di forniture	A. Guida perforazione 1 B. Unità di perforazione 1 C. Unità motore 1 D. Anello di bloccaggio..... 1	E. Molla 1 F. Scheda a circuiti stampati di perforazione 1 G. Scarto perforazione 1 H. Viti con testa a croce S M3 × 8..... 3 I. Foglio di etichette..... 1 J. Pellicola 1 K. Morsetto piccolo (per DF-770) 1	L. Morsetto grande (per DF-790) 1 M. Nucleo di ferrite..... 1
简体中文		附属品	A. 打孔导向板..... 1 B. 打孔单元..... 1 C. 电机单元..... 1 D. 止动环..... 1	E. 弹簧 1 F. 打孔单元电路板 1 G. 打孔纸屑盒 1 H. M3 X 8 攻丝紧固型 S 螺丝 3 I. 标签纸 1 J. 胶片 1	K. 固定夹 小 (DF-770 用) 1 L. 固定夹 大 (DF-790 用) 1 M. 磁环 1
한국어		동봉품	A. 펀치가이드..... 1 B. 펀치유닛..... 1 C. 모터유닛..... 1 D. 스톱링..... 1	E. 스프링 1 F. 펀치기판..... 1 G. 펀치폐기박스..... 1 H. 나사 M3×8 탭타이트 S..... 3 I. 라벨 시트..... 1 J. 필름..... 1	K. 클램프 소 (DF-770 용) 1 L. 클램프 대 (DF-790 용) 1 M. 페라이트 코어..... 1
日本語		同梱品	A. パンチガイド..... 1 B. パンチユニット..... 1 C. モーターユニット..... 1 D. ストップリング..... 1	E. バネ 1 F. パンチ基板 1 G. パンチくずボックス 1 H. ビス M3×8 タップタイト S 3 I. ラベルシート 1 J. フィルム 1 K. クランプ小 (DF-770 用) 1	L. クランプ大 (DF-790 用) 1 M. フェライトコア 1

Be sure to remove any tape and/or cushioning material from supplied parts.

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Asegúrese de despegar todas las cintas y/o material amortiguador de las partes suministradas.

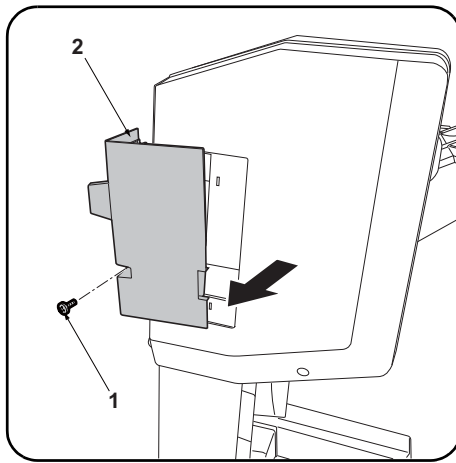
Entfernen Sie Klebeband und/oder Dämpfungsmaterial vollständig von den mitgelieferten Teilen.

Accertarsi di rimuovere tutti i nastri adesivi e/o il materiale di imbottitura dalle parti fornite.

如果附属品上带有固定胶带，缓冲材料时务必揭下。

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거할 것.

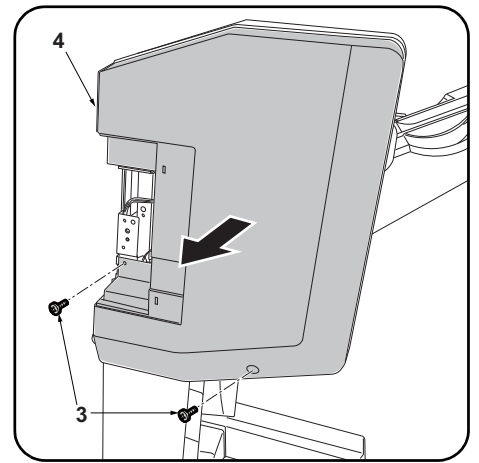
同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。



Removing the cover (DF-770)

If installing on the DF-790, proceed to step 1 on page 3.

1. Remove the screw (1) and remove the small rear cover (2).



2. Remove the 2 screws (3) and remove the upper rear cover (4).

Procedure

Before installing the hole punch unit, make sure the MFP's main power switch is turned off and that its power cord is unplugged from the power outlet.

Install the document finisher first and then install the hole punch unit.

Procédure

Avant d'installer la perforatrice, s'assurer que l'interrupteur d'alimentation principal du MFP est hors tension et que le câble d'alimentation est débranché de la prise secteur.

Installer d'abord le finisseur de document, puis installer la perforatrice.

Dépose du couvercle (DF-770)

Pour l'installation sur le modèle DF-790, passer à l'étape 1 de la page 3.

1. Déposer la vis (1) et déposer le petit couvercle arrière (2).

2. Déposer les 2 vis (3) et déposer le couvercle supérieur arrière (4).

Procedimiento

Antes de instalar la perforadora, asegúrese de que el interruptor principal de la alimentación del MFP esté desconectado y de que el cable de alimentación esté desenchufado de la toma de corriente de la pared.

Instale primero el finalizador de documentos y luego instale la perforadora.

Extracción de la cubierta (DF-770)

Si realiza la instalación en el DF-790, vaya al paso 1 de la página 3.

1. Quite el tornillo (1) y, después, quite la cubierta trasera pequeña (2).

2. Quite los 2 tornillos (3) y, después, quite la cubierta trasera superior (4).

Verfahren

Bevor Sie mit dem Einbau der Lochereinheit beginnen, stellen Sie sicher, dass der Hauptschalter des Kopierers ausgeschaltet und das Netzkabel aus der Steckdose gezogen ist. Bringen Sie den Dokument-Finisher zuerst und dann erst die Lochereinheit an.

Entfernen der Abdeckung (DF-770)

Zur Installation des DF-790 weitergehen zu Schritt 1 auf Seite 3.

1. Die Schraube (1) entfernen und die kleine hintere Abdeckung (2) abnehmen.

2. Die 2 Schrauben (3) entfernen und die obere hintere Abdeckung (4) abnehmen.

Procedura

Prima di installare l'unità di perforazione, assicurarsi che l'interruttore principale dell'MFP sia spento e che il cavo di alimentazione sia scollegato dalla presa di corrente.

Installare prima la finitrice e poi procedere all'installazione dell'unità di perforazione.

Rimozione del coperchio (DF-770)

Se si installa sull'unità DF-790, procedere al passo 1 a pagina 3.

1. Rimuovere la vite (1) e quindi rimuovere il pannello posteriore piccolo (2).

2. Rimuovere le 2 viti (3) e quindi rimuovere il pannello superiore posteriore (4).

安装步骤

安装打孔单元时，必须先关闭 MFP 主机的主电源开关，并拔下电源插头后再进行作业。首先安装装订器，然后安装打孔单元。

拆下盖板 (DF-770 时)

安装到 DF-790 上时，跳至 P3 的步骤 1。

1. 拆除 1 颗螺丝 (1)，拆下后部小盖板 (2)。

2. 拆除 2 颗螺丝 (3)，拆下后上部盖板 (4)。

설치순서

펀치유니트를 부착할 때에는 반드시 MFP 본체의 주 전원 스위치를 OFF 로 하고 전원플러그를 뺀 다음 작업을 할 것 .
문서 피니셔를 설치 후 , 펀치유니트를 설치 할 것 .

커버제거 (DF-770 의 경우)

DF-790 에 장착하는 경우에는 P3 의 순서 1 로 진행합니다 .

1. 나사 (1) 1 개를 제거하고 뒷 소커버 (2) 를 제거합니다 .

2. 나사 (3) 2 개를 제거하고 뒷 상커버 (4) 를 제거합니다 .

取付手順

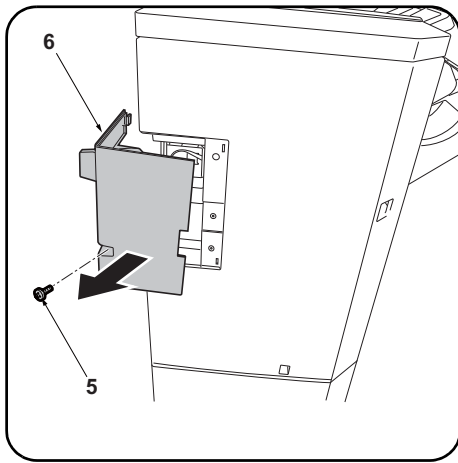
パンチユニットを設置するときは、必ず MFP 本体の主電源スイッチを OFF にし、電源プラグを抜いてから作業すること。
ドキュメントフィニッシャーを設置後、パンチユニットを設置すること。

カバーの取り外し (DF-770 の場合)

DF-790 に装着の場合は、P3 の手順 1 へ進む。

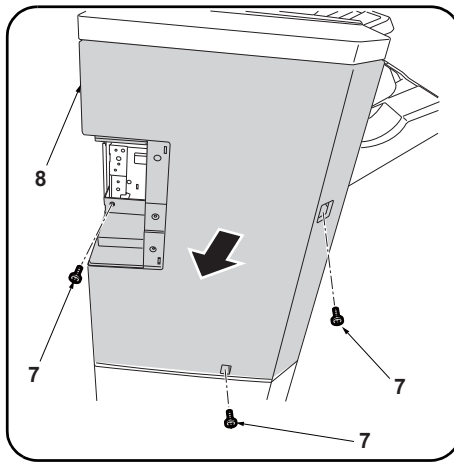
1. ビス (1) 1 本を外し、後小カバー (2) を取り外す。

2. ビス (3) 2 本を外し、後上カバー (4) を取り外す。

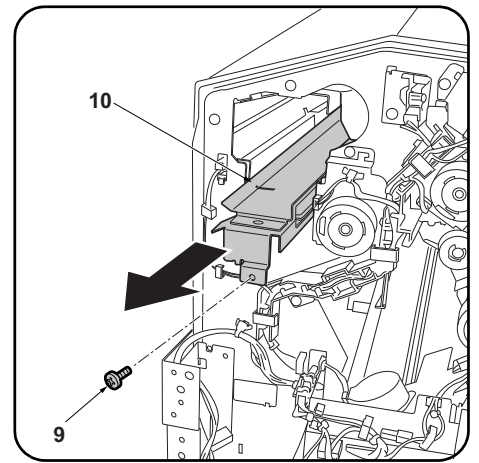


Removing the cover (DF-790)

1. Remove the screw (5) and remove the small rear cover (6).



2. Remove the 3 screws (7) and remove the upper rear cover (8).



Installing the hole punch unit

3. Remove the screw (9) and pull the guide (10) outwards.

Dépose du couvercle (DF-790)

1. Déposer la vis (5) et déposer le petit couvercle arrière (6).

2. Déposer les 3 vis (7) et déposer le couvercle supérieur arrière (8).

Installation de la perforatrice

3. Déposer la vis (9) et tirer le guide (10) vers l'extérieur.

Extracción de la cubierta (DF-790)

1. Quite el tornillo (5) y, después, quite la cubierta trasera pequeña (6).

2. Quite los 3 tornillos (7) y, después, quite la cubierta trasera superior (8).

Instalación de la perforadora

3. Quite el tornillo (9) y tire de la guía (10) hacia fuera.

Entfernen der Abdeckung (DF-790)

1. Die Schraube (5) entfernen und die kleine hintere Abdeckung (6) abnehmen.

2. Die 3 Schrauben (7) entfernen und die obere hintere Abdeckung (8) abnehmen.

Anbringen der Lochereinheit

3. Die Schraube (9) entfernen und die Führung (10) nach außen ziehen.

Rimozione del coperchio (DF-790)

1. Rimuovere la vite (5) e quindi rimuovere il pannello posteriore piccolo (6).

2. Rimuovere le 3 viti (7) e quindi rimuovere il pannello superiore posteriore (8).

Installare l'unità di perforazione

3. Rimuovere la vite (9) ed estrarre la guida (10) verso l'esterno.

拆下盖板 (DF-790 时)

1. 拆除 1 颗螺丝 (5), 拆下后部小盖板 (6)。

2. 拆除 3 颗螺丝 (7), 拆下后上部盖板 (8)。

安装打孔单元

3. 拆除 1 颗螺丝 (9), 将导向板 (10) 向外拉出。

커버제거 (DF-790 의 경우)

1. 나사 (5) 1 개를 제거하고 뒷 소커버 (6) 를 제거합니다 .

2. 나사 (7) 3 개를 제거하고 뒷 상커버 (8) 를 제거합니다 .

펀치유닛 부착

3. 나사 (9) 1 개를 제거하고 가이드 (10) 을 앞으로 끌어 당깁니다 .

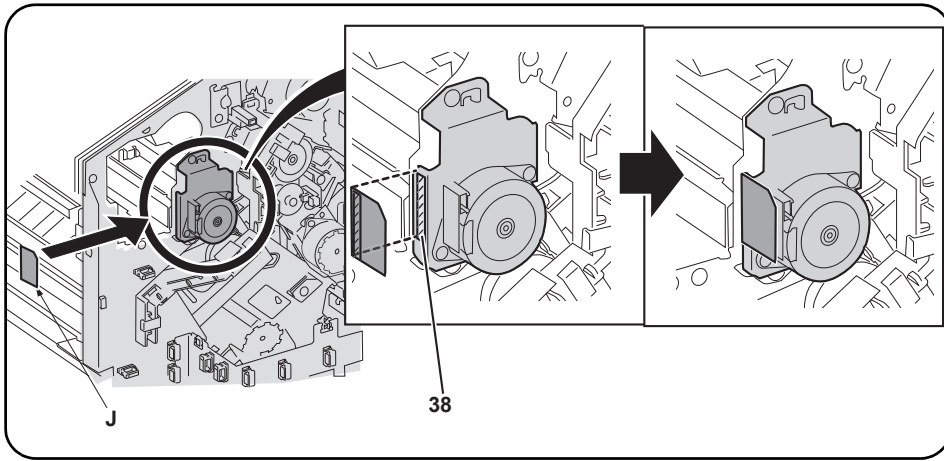
カバーの取り外し (DF-790 の場合)

1. ビス (5) 1 本を外し、後小カバー (6) を取り外す。

2. ビス (7) 3 本を外し、後上カバー (8) を取り外す。

パンチユニットの取り付け

3. ビス (9) 1 本を外し、ガイド (10) を手前に引き出す。



4. After using alcohol to clean the shaded portion (38) of the motor shown for adhering the film (J), adhere the film.

4. Après avoir utilisé de l'alcool pour nettoyer la partie du moteur hachurée (38) sur laquelle le film (J) est apposé, coller ce film.

4. Después de utilizar alcohol para limpiar la parte sombreada (38) del motor mostrada en la ilustración para pegar la película (J), pegue la película.

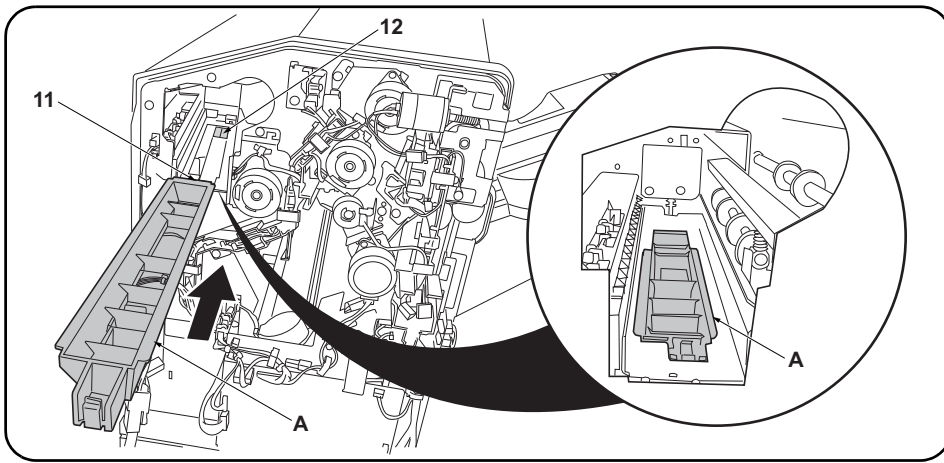
4. Den in der Abbildung grau dargestellten Teil (38) des Motors zum Anbringen des Films (J) mit Alkohol reinigen und dann den Film anbringen.

4. Dopo aver usato l'alcool per pulire la parte ombreggiata (38) del motore, illustrata per l'adesione della pellicola (J), far aderire la pellicola.

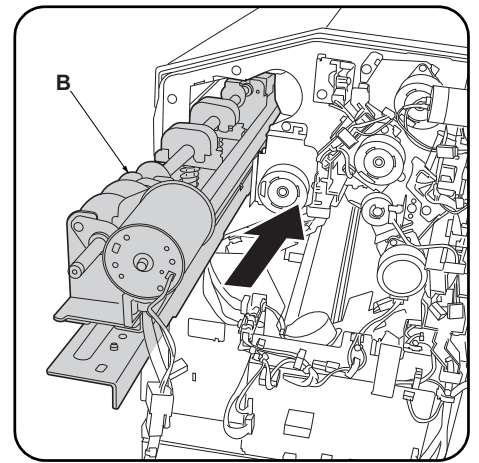
4. 用酒精清洁电机斜侧处(38)的粘贴位置后, 粘贴胶片(J)。

4. 모터 사선부(38)의 부착위치를 알코올 청소 후, 필름(J)을 부착합니다.

4. モーター斜線部(38)の貼り付け位置をアルコール清掃後、フィルム(J)を貼り付ける。



5. Install the punch guide (A) so that the leading edge of the guide (11) is below the document finisher frame (12).



6. Insert the hole punch unit (B) into the document finisher.

5. Monter le guide de la perforatrice (A) de sorte que le bord d'attaque du guide (11) se trouve sous le bâti du retoucheur de document (12).

6. Insérer la perforatrice (B) dans le retoucheur de document.

5. Instale la guía de perforación (A) de forma tal que el borde delantero de la guía (11) quede debajo de la carcasa del finalizador de documentos (12).

6. Inserte la perforadora (B) en el finalizador de documentos.

5. Die Locherführung (A) so einsetzen, dass die Vorderkante der Führung (11) unter dem Rahmen (12) des Dokument-Finishers liegt.

6. Die Lochereinheit (B) in den Dokument-Finisher einsetzen.

5. Installare la guida perforazione (A) in modo che il bordo principale della guida (11) sia sotto il telaio (12) della finitrice di documenti.

6. Inserire l'unità di perforazione (B) nella finitrice di documenti.

5. 将打孔导向板 (A) 的前端 (11) 安装在装订器的框架 (12) 的下部。

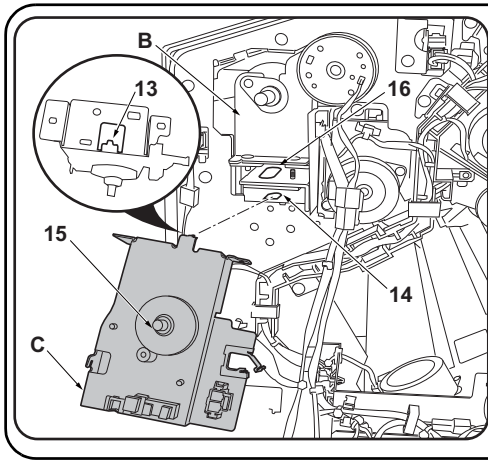
6. 将打孔单元 (B) 插入到装订器中。

5. 펀치가이드 (A) 의 끝 (11) 이 문서 피니셔의 프레임 (12) 밑으로 되도록 장착합니다 .

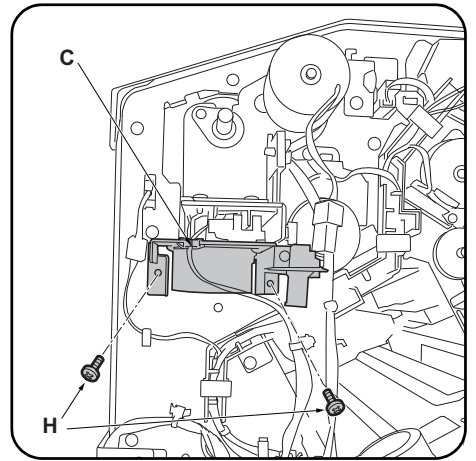
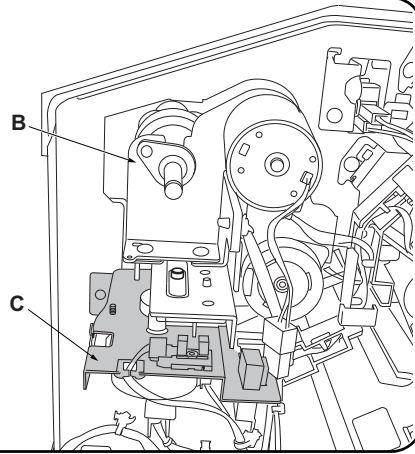
6. 펀치유닛 (B) 를 문서 피니셔에 삽입합니다 .

5.パンチガイド (A) の先端 (11) がドキュメントフィニッシャーのフレーム (12) の下になるように取り付ける。

6.パンチユニット (B) をドキュメントフィニッシャーに挿入する。



7. Raise the hole punch unit (B) slightly and fit the hook (13) on the motor unit (C) into the groove (14) in the document finisher. At the same time, insert the rod (15) on the motor unit (C) into the hole (16) in the hole punch unit (B).



8. Secure the motor unit (C) with the 2 screws (H).

7. Lever légèrement la perforatrice (B) et insérer le crochet (13) du moteur (C) dans la rainure (14) du retoucheur de document. Insérer en même temps la tige (15) du moteur (C) dans le trou (16) de la perforatrice (B).

8. Fixer le moteur (C) à l'aide de 2 vis (H).

7. Levante ligeramente la perforadora (B) y encaje el gancho (13) de la unidad motriz (C) en la ranura (14) del finalizador de documentos. Al mismo tiempo, inserte la varilla (15) de la unidad motriz (C) en el orificio (16) de la perforadora (B).

8. Asegure la unidad motriz (C) con los 2 tornillos (H).

7. Die Lochereinheit (B) leicht anheben und den Haken (13) an der Motoreinheit (C) in die Nut (14) des Dokument-Finishers einsetzen. Dabei auch die Stange (15) an der Motoreinheit (C) in die Öffnung (16) der Lochereinheit (B) einstecken.

8. Die Motoreinheit (C) mit den 2 Schrauben (H) sichern.

7. Sollevare leggermente l'unità di perforazione (B) ed inserire il gancio (13) sull'unità motore (C) nella scanalatura (14) della finitrice di documenti. Contemporaneamente, inserire l'asta (15) sull'unità motore (C) nel foro (16) dell'unità di perforazione (B).

8. Fissare l'unità motore (C) con le 2 viti (H).

7. 稍稍抬起打孔单元 (B), 将电机单元 (C) 的卡扣 (13) 嵌入装订器的沟槽 (14) 内。与此同时, 将电机单元 (C) 的轴 (15) 插入打孔单元 (B) 的孔 (16) 中。

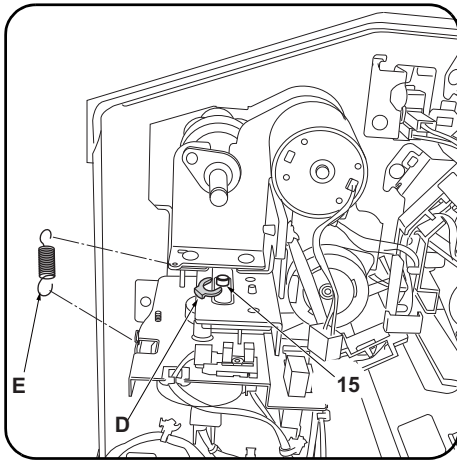
8. 使用 2 颗螺丝 (H) 来固定电机单元 (C)。

7. 펀치유닛 (B) 를 조금 들면서 모터유닛 (C) 후크 (13) 를 문서 피니셔의 구 (14) 에 꽂습니다 . 이것과 동시에 모터유닛 (C) 의 축 (15) 을 펀치유닛 (B) 구멍 (16) 에 삽입합니다 .

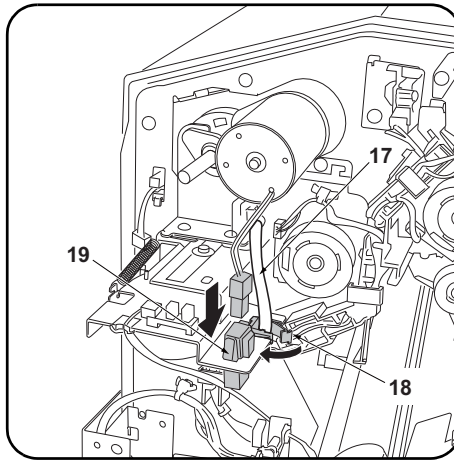
8. 나사 (H) 2 개로 모터유닛 (C) 를 고정합니다 .

7.パンチユニット (B) を少し持ち上げながら、モーターユニット (C) のフック (13) をドキュメントフィニッシャーの溝 (14) にはめ込む。これと同時に、モーターユニット (C) の軸 (15) をパンチユニット (B) の穴 (16) に挿入する。

8.ビス (H) 2 本で、モーターユニット (C) を固定する。



9. Fit the stop ring (D) over the motor unit rod (15) and fit the spring (E) between the hole punch unit and motor unit.



10. Run the hole punch unit wire (17) through the motor unit edging (18).

11. Plug the wire from the hole punch unit motor into the connector on the motor unit (19).

9. Monter la bague d'arrêt (D) sur la tige du moteur (15) et insérer le ressort (E) entre la perforatrice et le moteur.

10. Faire passer le câble de la perforatrice (17) dans le passage de câbles du moteur (18)
11. Raccorder le câble du moteur de la perforatrice au connecteur du moteur (19).

9. Coloque el anillo de tope (D) sobre la varilla de la unidad motriz (15) y coloque el resorte (E) entre la perforadora y la unidad motriz.

10. Tienda el cable de la perforadora (17) a través de la pestaña de la unidad motriz (18).
11. Enchufe el cable del motor de la perforadora al conector de la unidad motriz (19).

9. Den Anschlagring (D) auf die Stange (15) der Motoreinheit setzen und die Feder (E) zwischen Lochereinheit und Motoreinheit einsetzen.

10. Das Kabel (17) der Lochereinheit durch den Kantenschutz (18) der Motoreinheit führen.
11. Das Kabel vom Motor der Lochereinheit an den Steckverbinder der Motoreinheit (19) anschließen.

9. Inserire l'anello di bloccaggio (D) sull'asta (15) dell'unità motore ed inserire molla (E) tra l'unità di perforazione e l'unità motore.

10. Far passare il cavo dell'unità di perforazione (17) attraverso il bordo (18) dell'unità motore.
11. Collegare il cavo dal motore dell'unità di perforazione nel connettore sull'unità motore (19).

9. 将止动环 (D) 嵌入到电机单元的轴 (15) 上, 在打孔单元与电机单元之间安装弹簧 (E)。

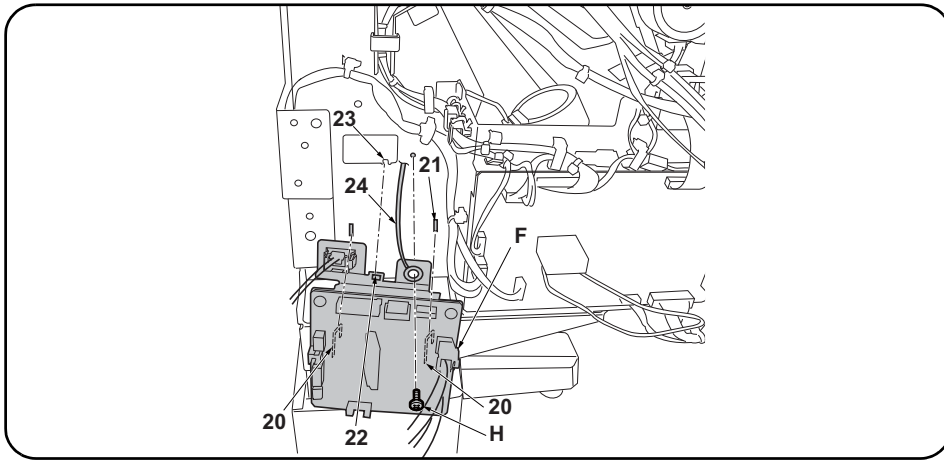
10. 将打孔单元的电线 (17) 穿过电机单元的包边孔 (18)。
11. 将来自打孔单元的电机的电线与电机单元的接插件 (19) 相连接。

9. 모터유닛 축 (15) 에 스톱링 (D) 을 끼고 펀치유닛과 모터유닛 사이에 스프링 (E) 을 설치합니다 .

10. 펀치유닛의 전선 (17) 을 모터유닛의 에징 (18) 에 지나가게 합니다 .
11. 펀치유닛 모터에서의 전선을 모터유닛 커넥터 (19) 에 접속합니다 .

9. 모터유닛의 축 (15) にストップ링 (D) をはめ、パンチユニットとモーターユニットの間にバネ (E) を取り付けます。

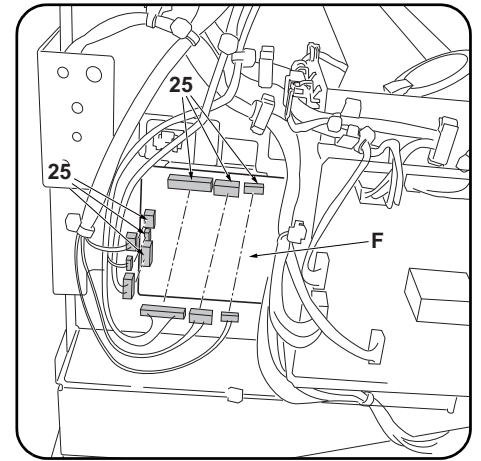
10. パンチユニットの電線 (17) をモーターユニットのエッジング (18) に通す。
11. パンチユニットのモーターからの電線をモーターユニットのコネクタ (19) に接続する。



Installing the punch PWB and waste hole punch box (DF-770)

If installing on the DF-790, proceed to step 12 on page 12.

- Fit the 2 hooks (20) in the punch PWB (F) into the cut (21) in the document finisher. At the same time, insert the projection (23) on the document finisher into the hole (22) in the punch PWB (F).
- Using the screw (H), tighten the hole punch unit ground wire (24) and the punch PWB (F) together.



- Plug the 6 hole punch unit wires into the connectors (25) on the punch PWB (F).

Installation de la PWB de la perforatrice et du bac de récupération de la perforatrice (DF-770)

Pour une installation sur le modèle DF-790, passer à l'étape 12 en page 12.

- Insérer les 2 crochets (20) de la PWB de la perforatrice (F) dans la découpe (21) du retoucheur de document. Insérer en même temps la saillie (23) du retoucheur de document dans le trou (22) de la PWB de la perforatrice (F).
- Fixer le câble de terre de la perforatrice (24) à la PWB de la perforatrice (F) à l'aide d'une vis (H).

- Raccorder les 6 câbles de la perforatrice aux connecteurs (25) de la PWB de la perforatrice (F).

Instalación del PWB de perforación y la caja para desechos de la perforación (DF-770)

Si realiza la instalación en el DF-790, vaya al paso 12 de la página 12.

- Coloque los 2 ganchos (20) del PWB de perforación (F) en el corte (21) del finalizador de documentos. Al mismo tiempo, inserte el resalto (23) del finalizador de documentos en el orificio (22) del PWB de perforación (F).
- Usando el tornillo (H), apriete juntos el cable de conexión a tierra de la perforadora (24) y el PWB de perforación (F).

- Enchufe los 6 cables de la perforadora a los conectores (25) del PWB de perforación (F).

Installation der Locher-PWB und des Lochungsabfallbehälters (DF-770)

Zur Installation des DF-790 weitergehen zu Schritt 12 auf Seite 12.

- Die 2 Haken (20) in der Locher-PWB (F) in die Aussparung (21) am Dokument-Finisher einsetzen. Dabei auch den Vorsprung (23) am Dokument-Finisher in die Öffnung (22) auf der Locher-PWB (F) einsetzen.
- Mit der Schraube (H) das Massekabel (24) der Lochereinheit an der Locher-PWB (F) festziehen.

- Die 6 Kabel der Lochereinheit an die Steckverbinder (25) der Locher-PWB (F) anschließen.

Installazione della scheda a circuiti stampati di perforazione e dello scarto perforazione (DF-770)

Se si installa sull'unità DF-790, procedere al passo 12 a pagina 12.

- Inserire i 2 ganci (20) della scheda a circuiti stampati di perforazione (F) nell'incisione (21) della finitrice di documenti. Contemporaneamente, inserire la sporgenza (23) sulla finitrice di documenti nel foro (22) della scheda a circuiti stampati di perforazione (F).
- Utilizzando la vite (H), stringere insieme il cavo di terra (24) dell'unità di perforazione e la scheda a circuiti stampati di perforazione (F).

- Collegare i 6 cavi dell'unità di perforazione nei connettori (25) sulla scheda a circuiti stampati di perforazione (F).

安装电路板与打孔纸屑盒 (DF-770 时)

安装到 DF-790 上时, 跳至 P12 的步骤 12。

- 将打孔电路板 (F) 的 2 个卡扣 (20) 挂在装订器的缺口 (21) 上。同时, 将打孔电路板 (F) 的孔 (22) 卡入装订器的突出部 (23)。
- 使用 1 颗螺丝 (H) 将打孔单元的接地线 (24) 与打孔电路板 (F) 一起固定。

- 将打孔单元的 6 根电线与打孔电路板 (F) 的接插件 (25) 相连接。

기판과 펀치폐기박스의 부착 (DF-770 의 경우)

DF-790 에 장착하는 경우에는 P12 의 순서 12 로 진행합니다 .

- 펀치기판 (F) 의 후크 (20) 2 곳을 문서 피니셔의 구멍 (21) 에 걸립니다 . 동시에 펀치기판 (F) 구멍 (22) 을 문서 피니셔의 돌기 (23) 에 넣습니다 .
- 나사 (H) 1 개로 펀치유니트의 접지선 (24) 과 펀치기판 (F) 을 함께 조입니다 .

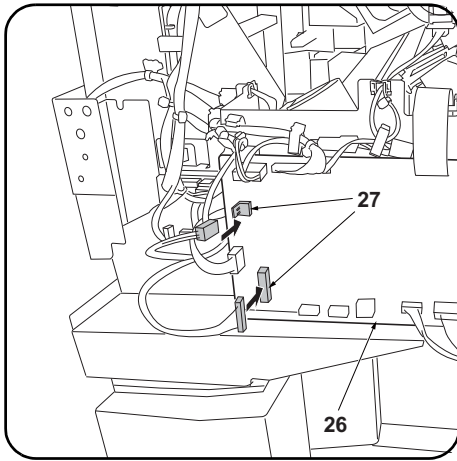
- 펀치유니트의 전선 6 선을 펀치기판 (F) 커넥터 (25) 에 접속합니다 .

基板とパンチくずボックスの取り付け (DF-770 の場合)

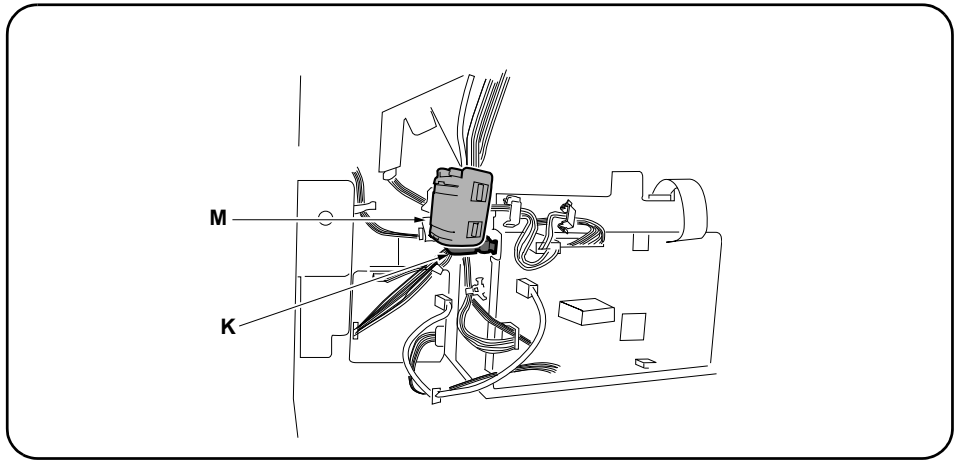
DF-790 に装着の場合は、P12 の手順 12 へ進む。

- パンチ基板 (F) のフック (20) 2箇所をドキュメントフィニッシャーの切り欠き (21) に引っ掛ける。同時に、パンチ基板 (F) の穴 (22) をドキュメントフィニッシャーの突起 (23) に入れる。
- ビス (H) 1本で、パンチユニットのアース線 (24) とパンチ基板 (F) を共締めする。

- パンチユニットの電線 6本を、パンチ基板 (F) のコネクタ (25) に接続する。



15. Plug the 2 punch PWB wires into the connectors (27) on the DF main PWB (26).



16. Install the small clamp (K) on the finisher, then pass and fasten the wires from the motor unit and hole punch unit.
17. Attach the ferrite core (M) to the wire.

15. Raccorder les 2 câbles de la PWB de la perforatrice aux connecteurs (27) de la PWB principale du DF (26).

16. Monter le petit collier (K) sur le retoucheur puis faire passer les câbles du moteur et de la perforatrice dans ce collier pour les fixer en place
17. Fixer le noyau en ferrite (M) au câble.

15. Enchufe los 2 cables del PWB de perforación a los conectores (27) del PWB principal del DF (26).

16. Instale el sujetador pequeño (K) en el finalizador, después tienda y ajuste los cables de la unidad motriz y la perforadora.
17. Fije el núcleo de ferrita (M) al cable.

15. Die 2 Kabel der Locher-PWB an die Steckverbinder (27) der DF-Haupt-PWB (26) anschließen.

16. Die kleine Klemme (K) am Finisher anbringen, dann die Kabel von der Motoreinheit und der Lochereinheit hindurchführen und befestigen.
17. Den Ferritkern (M) am Kabel befestigen.

15. Collegare i 2 cavi della scheda a circuiti stampati di perforazione nei connettori (27) sulla scheda principale PWB (26) della DF.

16. Installare il morsetto piccolo (K) sul finitore, e quindi passare e fissare i cavi dall'unità motore e dall'unità di perforazione.
17. Applicare il nucleo in ferrite (M) al cavo.

15. 将打孔电路板的 2 根电线与 DF 主电路板 (26) 的接插件 (27) 连接。

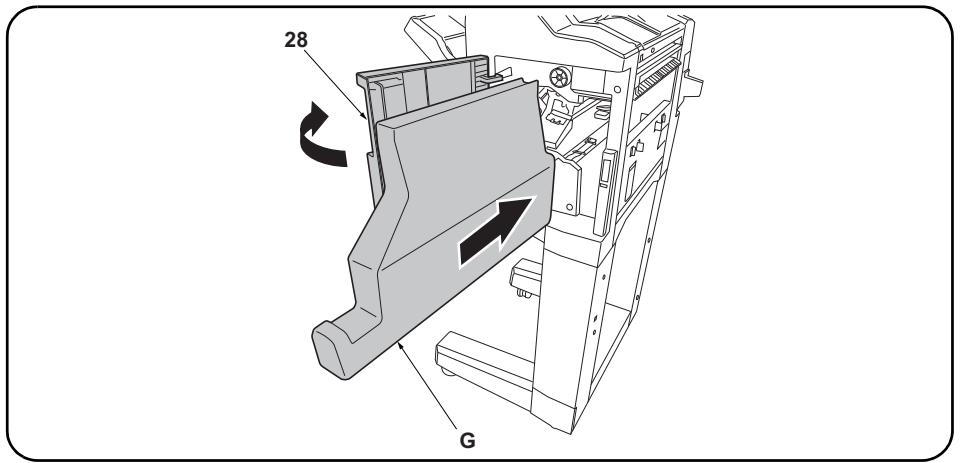
16. 把小固定夹 (K) 安装在装订器上, 从电机单元和打孔单元出来的导线穿过固定夹来固定。
17. 用磁环 (M) 套住导线。

15. 펀치기판의 전선 2 선을 DF 주 회로기판 (26) 의 커넥터 (27) 에 접속합니다 .

16. 클램프 소 (K) 를 피니셔에 장착 , 모터 유닛과 펀치 유닛에서부터 전선을 통과시키고 고정합니다 .
17. 페라이트 코어 (M) 를 전선으로 장착합니다 .

15. パンチ基板の電線 2 本を DF 主回路基板 (26) のコネクタ (27) に接続する。

16. クランプ小 (K) をフィニッシャーに取り付け、モーターユニットとパンチユニットからの電線を通し、固定する。
17. フェライトコア (M) を電線に取り付ける。



18. Replace the upper rear cover (4) and small rear cover (2).

19. Open the upper front cover (28) and insert the waste hole punch box (G).

18. Reposer le couvercle supérieur arrière (4) et le petit couvercle arrière (2).

19. Ouvrir le couvercle supérieur avant (28) et insérer le bac de récupération de la perforatrice (G).

18. Vuelva a colocar la cubierta trasera superior (4) y la cubierta trasera pequeña (2).

19. Abra la cubierta delantera superior (28) e inserte la caja para desechos de la perforación (G).

18. Die obere hintere Abdeckung (4) und die kleine hintere Abdeckung (2) wieder einsetzen.

19. Die obere vordere Abdeckung (28) öffnen und den Lochungsabfallbehälter (G) einsetzen.

18. Ricollocare il pannello superiore posteriore (4) e il pannello posteriore piccolo (2).

19. Aprire il pannello superiore anteriore (28) ed inserire lo scarto perforazione (G).

18. 按原样安装后上部盖板 (4) 与后部小盖板 (2)。

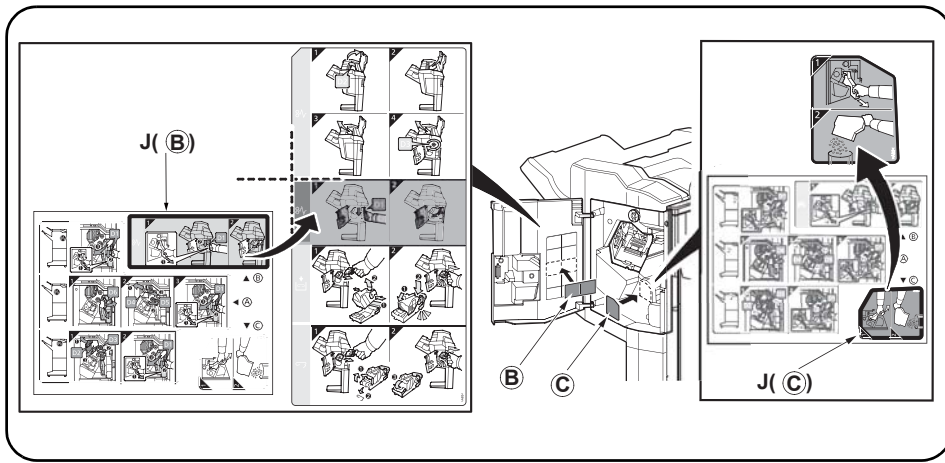
19. 打开前上部盖板 (28)，插入打孔纸屑盒 (G)。

18. 뒷 상커버 (4) 와 후 소커버 (2) 를 원래대로 부착합니다 .

19. 앞 상커버 (28) 를 열고 펀치폐기박스 (G) 를 삽입합니다 .

18. 後上カバー (4) と後小カバー (2) を元通り取り付ける。

19. 前上カバー (28) を開き、パンチくずボックス (G) を挿入する。



20. After cleaning each area with alcohol, adhere the following labels from the label sheet (J) at the locations shown in the illustration: B, C..

21. Close the upper front cover (28).

20. Après avoir nettoyé chaque zone à l'alcool, apposer les étiquettes suivantes du feuillet d'étiquettes (J) aux emplacements indiqués dans l'illustration : B, C.

21. Fermer le couvercle supérieur avant (28).

20. Después de limpiar todas las zonas con alcohol, despegue de la hoja de etiquetas (J) las etiquetas siguientes, y péguelas en los sitios que se indican en la ilustración: B, C.

21. Cierre la cubierta delantera superior (28).

20. Nachdem Sie alle Flächen mit Alkohol gereinigt haben, kleben Sie bitte die folgenden Aufkleber vom Aufkleberbogen (J) an die in der Abbildung angegebenen Stellen: B, C.

21. Die obere vordere Abdeckung (28) schließen.

20. Dopo aver pulito ciascuna zona con alcol, applicare le seguenti etichette del foglio di etichette (J) sui punti mostrati nell'illustrazione: B, C.

21. Chiudere il pannello superiore anteriore (28).

20. 用酒精清洁各区域后, 请在如图所示位置粘贴从标签纸上 (J) 撕下的下列标签 B、C。

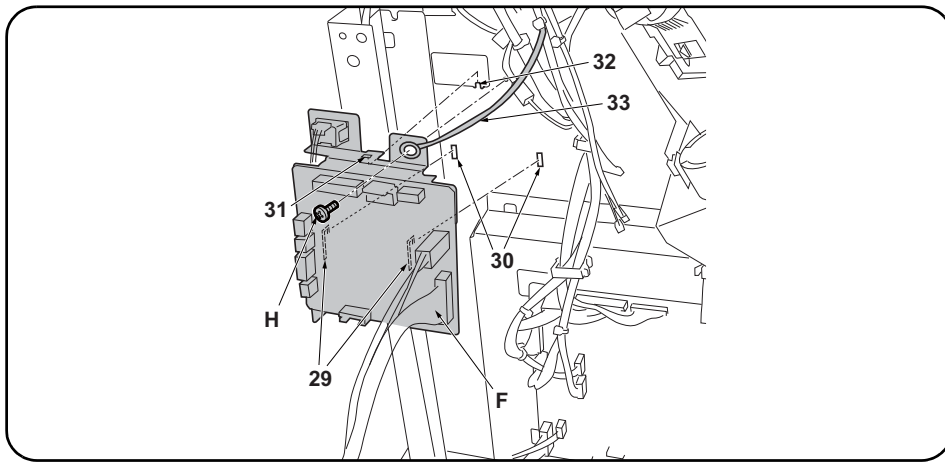
21. 关闭前上部盖板 (28)。

20. 라벨 시트 (J) 내의 하기 라벨을 일러스트의 위치에 알코올청소 후 붙입니다: B, C .

21. 앞 상커버 (28) 를 닫습니다 .

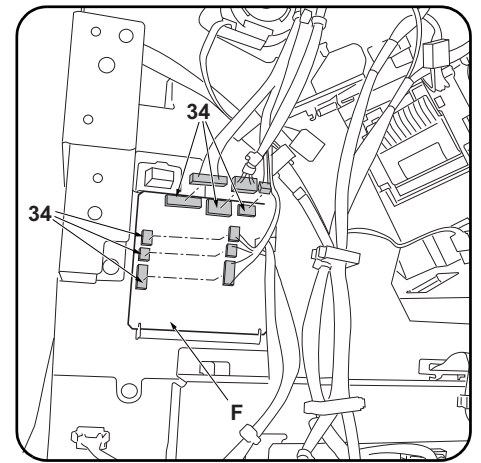
20. ラベルシート (J) 内の B、C をイラストの位置にアルコール清掃後貼り付ける。

21. 前上カバー(28) を閉じる。



Installing the punch PWB and waste hole punch box (DF-790)

12. Fit the 2 hooks (29) in the punch PWB (F) into the cut (30) in the document finisher. At the same time, insert the projection (32) on the document finisher into the hole (31) in the punch PWB (F).
13. Using the screw (H), tighten the hole punch unit ground wire (33) and the punch PWB (F) together.



14. Plug the 6 hole punch unit wires into the connectors (34) on the punch PWB (F).

Installation de la PWB de la perforatrice et du bac de récupération de la perforatrice (DF-790).

12. Insérer les 2 crochets (29) de la PWB de la perforatrice (F) dans la découpe (30) du retoucheur de document. Insérer en même temps la saillie (32) du retoucheur de document dans le trou (31) de la PWB de la perforatrice (F).
13. Fixer le câble de terre de la perforatrice (33) à la PWB de la perforatrice (F) à l'aide d'une vis (H).

14. Raccorder les 6 câbles de la perforatrice aux connecteurs (34) de la PWB de la perforatrice (F).

Instalación del PWB de perforación y la caja para desechos de la perforación (DF-790)

12. Coloque los 2 ganchos (29) del PWB de perforación (F) en el corte (30) del finalizador de documentos. Al mismo tiempo, inserte el resalto (32) del finalizador de documentos en el orificio (31) del PWB de perforación (F).
13. Usando el tornillo (H), apriete juntos el cable de conexión a tierra de la perforadora (33) y el PWB de perforación (F).

14. Enchufe los 6 cables de la perforadora a los conectores (34) del PWB de perforación (F).

Installation der Locher-PWB und des Lochungsabfallbehälters (DF-790)

12. Die 2 Haken (29) in der Locher-PWB (F) in die Aussparung (30) am Dokument-Finisher einsetzen. Dabei auch den Vorsprung (32) am Dokument-Finisher in die Öffnung (31) auf der Locher-PWB (F) einsetzen.
13. Mit der Schraube (H) das Massekabel (33) der Lochereinheit an der Locher-PWB (F) festziehen.

14. Die 6 Kabel der Lochereinheit an die Steckverbinder (34) der Locher-PWB (F) anschließen.

Installazione della scheda a circuiti stampati di perforazione e dello scarto perforazione (DF-790)

12. Inserire i 2 ganci (29) della scheda a circuiti stampati di perforazione (F) nell'intaglio (30) della finitrice di documenti. Contemporaneamente, inserire la sporgenza (32) sulla finitrice di documenti nel foro (31) della scheda a circuiti stampati di perforazione (F).
13. Utilizzando la vite (H), stringere insieme il cavo di terra (33) dell'unità di perforazione e la scheda a circuiti stampati di perforazione (F).

14. Collegare i 6 cavi dell'unità di perforazione nei connettori (34) sulla scheda a circuiti stampati di perforazione (F).

安装电路板与打孔纸屑盒 (DF-790 时)

12. 将打孔电路板 (F) 的 2 个卡扣 (29) 挂在装订器的缺口 (30) 上。同时, 将打孔电路板 (F) 的孔 (31) 卡入装订器的突出部 (32)。
13. 使用 1 颗螺丝 (H) 将打孔单元的接地线 (33) 与打孔电路板 (F) 一起固定。

14. 将打孔单元的 6 根电线与打孔电路板 (F) 的接插件 (34) 相连接。

기판과 펀치폐기박스의 부착 (DF-790 의 경우)

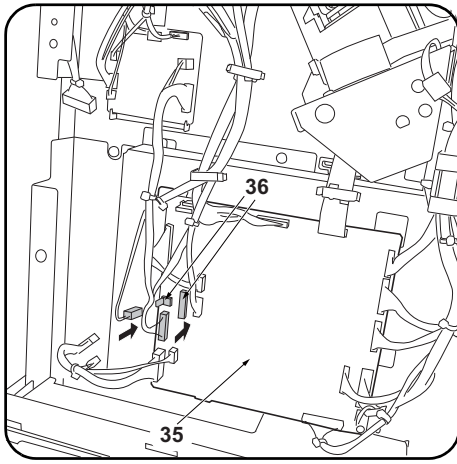
12. 펀치기판 (F) 의 후크 (29) 2 곳을 문서 피니셔의 구멍 (30) 에 겁니다. 동시에 펀치기판 (F) 구멍 (31) 을 문서 피니셔의 돌기 (32) 에 넣습니다.
13. 나사 (H) 1 개로 펀치유닛의 접지선 (33) 과 펀치기판 (F) 을 함께 조입니다.

14. 펀치유닛의 전선 6 선을 펀치기판 (F) 커넥터 (34) 에 접속합니다.

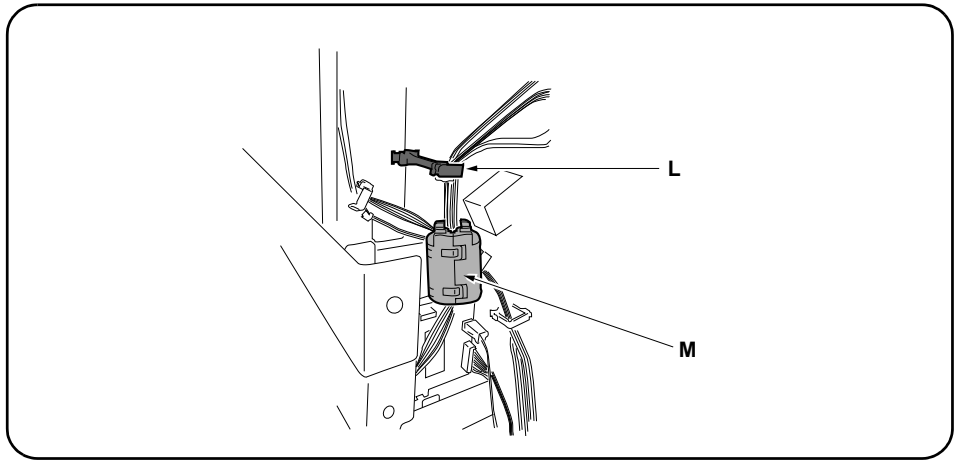
基板とパンチくずボックスの取り付け (DF-790 の場合)

- 12.パンチ基板 (F) のフック (29) 2箇所をドキュメントフィニッシャーの切り欠き (30) に引っ掛ける。同時に、パンチ基板 (F) の穴 (31) をドキュメントフィニッシャーの突起 (32) に入れる。
- 13.ビス (H) 1本で、パンチユニットのアース線 (33) とパンチ基板 (F) を共締めする。

- 14.パンチユニットの電線 6本を、パンチ基板 (F) のコネクタ (34) に接続する。



15. Plug the 2 punch PWB wires into the connectors (36) on the DF main PWB (35).



16. Install the small clamp (L) on the finisher, then pass and fasten the wires from the motor unit and hole punch unit.
17. Attach the ferrite core (M) to the wire.

15. Raccorder les 2 câbles de la PWB de la perforatrice aux connecteurs (36) de la PWB principale du DF (35).

16. Installer le grand collier (L) sur le retoucheur puis faire passer les câbles du moteur et de la perforatrice dans ce collier pour les fixer en place.
17. Fixer le noyau en ferrite (M) au câble.

15. Enchufe los 2 cables del PWB de perforación a los conectores (36) del PWB principal del DF (35).

16. Instale el sujetador grande (L) en el finalizador, después tienda y ajuste los cables de la unidad motriz y la perforadora.
17. Fije el núcleo de ferrita (M) al cable.

15. Die 2 Kabel der Locher-PWB an die Steckverbinder (36) der DF-Haupt-PWB (35) anschließen.

16. Die große Klemme (L) am Finisher anbringen, dann die Kabel von der Motoreinheit und der Lochereinheit hindurchführen und befestigen.
17. Den Ferritkern (M) am Kabel befestigen.

15. Collegare i 2 cavi della scheda a circuiti stampati di perforazione nei connettori (36) sulla scheda principale PWB (35) della DF.

16. Installare il morsetto grande (L) sul finitore, e quindi passare e fissare i cavi dall'unità motore e dall'unità di perforazione.
17. Applicare il nucleo in ferrite (M) al cavo.

15. 将打孔电路板的2根电线与DF主电路板(35)的接插件(36)连接。

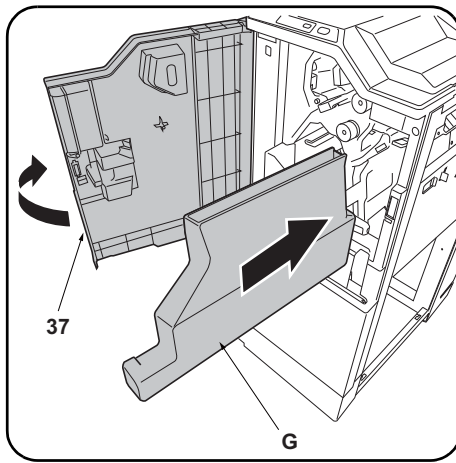
16. 把大固定夹(L)安装在装订器上,从电机单元和打孔单元出来的导线穿过固定夹来固定。
17. 用磁环(M)套住导线。

15. 펀치기판의 전선 2 선을 DF 주 회로기판(35)의 커넥터(36)에 접속합니다.

16. 클램프 대(L)를 피니셔에 장착, 모터 유닛과 펀치 유닛에서부터 전선을 통과시키고 고정합니다.
17. 페라이트 코어(M)를 전선으로 장착합니다.

15. パンチ基板の電線2本をDF主回路基板(35)のコネクター(36)に接続する。

16. クランプ大(L)をフィニッシャーに取り付け、モーターユニットとパンチユニットからの電線を通し、固定する。
17. フェライトコア(M)を電線に取り付ける。



18. Replace the upper rear cover (8) and small rear cover (6).

19. Open the upper front cover (37) and insert the waste hole punch box (G).

18. Reposer le couvercle supérieur arrière (8) et le petit couvercle arrière (6).

19. Ouvrir le couvercle supérieur avant (37) et insérer le bac de récupération de la perforatrice (G).

18. Vuelva a colocar la cubierta trasera superior (8) y la cubierta trasera pequeña (6).

19. Abra la cubierta delantera superior (37) e inserte la caja para desechos de la perforación (G).

18. Die obere hintere Abdeckung (8) und die kleine hintere Abdeckung (6) wieder einsetzen.

19. Die obere vordere Abdeckung (37) öffnen und den Lochungsabfallbehälter (G) einsetzen.

18. Ricollocare il pannello superiore posteriore (8) e il pannello posteriore piccolo (6).

19. Aprire il pannello superiore anteriore (37) ed inserire lo scarto perforazione (G).

18. 按原样安装后上部盖板 (8) 与后部小盖板 (6)。

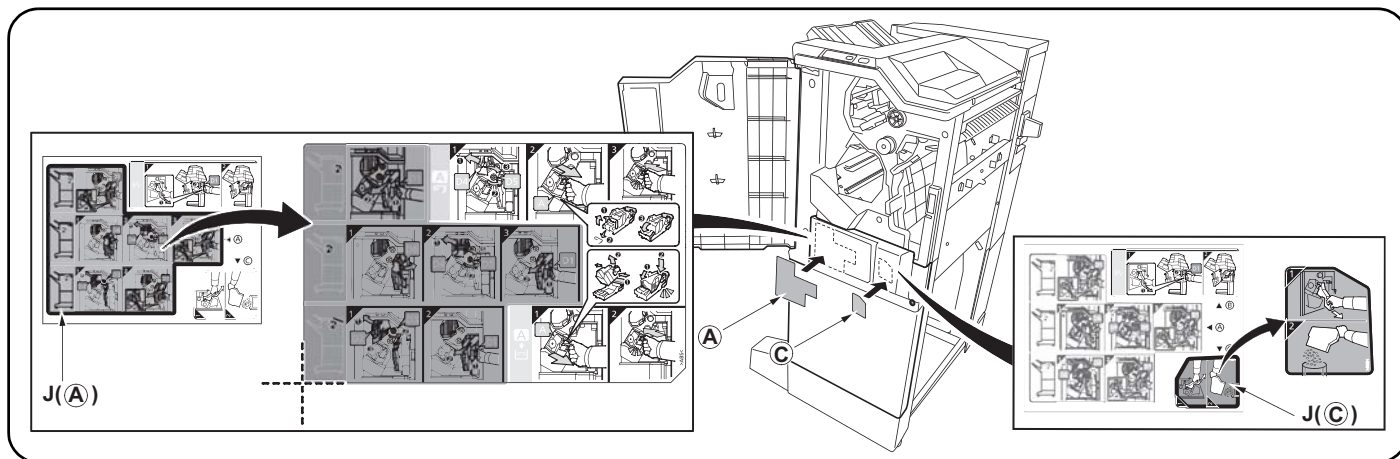
19. 打开前上部盖板 (37)，插入打孔纸屑盒 (G)。

18. 뒤 상커버 (8) 와 후 소커버 (6) 를 원래대로 부착합니다 .

19. 앞 상커버 (37) 를 열고 펀치폐기박스 (G) 를 삽입합니다 .

18. 後上カバー (8) と後小カバー (6) を元通り取り付ける。

19. 前上カバー (37) を開き、パンチくずボックス (G) を挿入する。



20. After cleaning each area with alcohol, adhere the following labels from the label sheet (J) at the locations shown in the illustration: A, C.
 21. Close the upper front cover (37).

20. Après avoir nettoyé chaque zone à l'alcool, apposer les étiquettes suivantes du feuillet d'étiquettes (J) aux emplacements indiqués dans l'illustration :
 A, C.
 21. Fermer le couvercle supérieur avant (37).

20. Después de limpiar todas las zonas con alcohol, despegue de la hoja de etiquetas (J) las etiquetas siguientes, y péguelas en los sitios que se indican en la ilustración: A, C.
 21. Cierre la cubierta delantera superior (37).

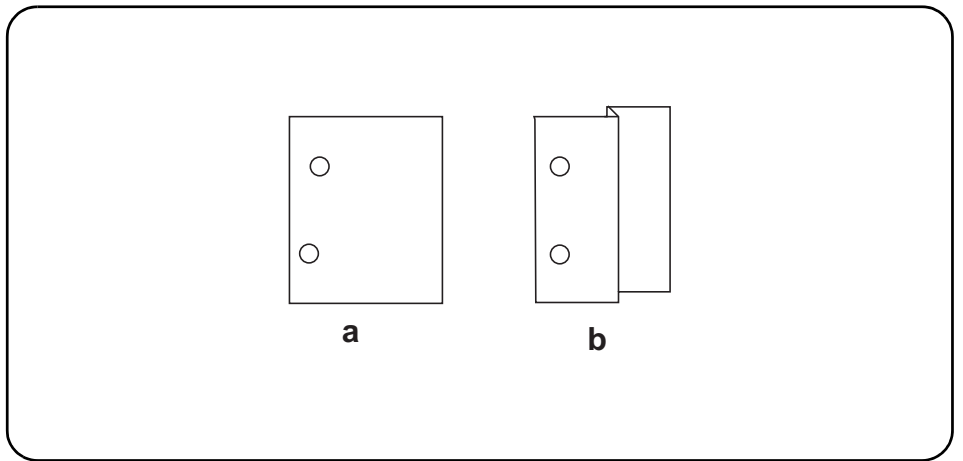
20. Nachdem Sie alle Flächen mit Alkohol gereinigt haben, kleben Sie bitte die folgenden Aufkleber vom Aufkleberbogen (J) an die in der Abbildung angegebenen Stellen: A, C.
 21. Die obere vordere Abdeckung (37) schließen.

20. Dopo aver pulito ciascuna zona con alcol, applicare le seguenti etichette del foglio di etichette (J) sui punti mostrati nell'illustrazione: A, C.
 21. Chiudere il pannello superiore anteriore (37).

20. 用酒精清洁各区域后, 请在如图所示位置粘贴从标签纸上 (J) 撕下的下列标签 A, C。
 21. 关闭前上部盖板 (37)。

20. 라벨 시트 (J) 내의 하기 라벨을 일러스트의 위치에 알코올청소 후 붙입니다: A, C .
 21. 앞 상커버 (37) 를 닫습니다 .

20. ラベルシート (J) 内の A,C をイラストの位置にアルコール清掃後貼り付ける。
 21. 前上カバー (37) を閉じる。



[Adjusting the hole punch position]

1. Connect the MFP power plug to the wall outlet and turn the MFP main power switch on.
2. Make a test copy in punch mode.
3. If any off-centering is observed, follow the procedure below to adjust the hole position.

Adjusting the hole punch entry registration

1. Enter the maintenance mode U246, select Finisher and Punch Regist.
2. Adjust the values.
When the paper fed in skewed copy example (a): Increase the setting value.
When the paper crimped copy example (b): Decrease the setting value.
3. Press the Start key to confirm the setting value.

[Réglage de la position des perforations]

1. Insérer la fiche d'alimentation du MFP dans la prise murale et mettre l'interrupteur principal du MFP sous tension.
2. Effectuer une copie d'essai en mode perforation.
3. Si les perforations sont décentrées, suivre la procédure ci-dessous pour ajuster la position de perforation.

Réglage de l'enregistrement de l'entrée des perforations

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Regist.
2. Régler les valeurs.
Si le papier est alimenté de travers exemple de copie (a): Augmentez la valeur de réglage.
Si le papier est froissé exemple de copie (b): Diminuez la valeur de réglage.
3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

[Ajuste de la posición de perforación]

1. Conecte el enchufe del MFP en el receptáculo de pared y encienda el interruptor principal del MFP.
2. Haga una copia de prueba en el modo de perforación.
3. Si observa descentrado, siga el procedimiento de abajo para ajustar la posición del agujero.

Ajuste del registro de entrada de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Regist.
2. Ajuste los valores.
Cuando el papel alimentado está torcido copia de muestra (a): Aumente el valor de configuración.
Cuando el papel se dobló copia de muestra (b): Reduzca el valor de configuración.
3. Pulse la tecla de Start para confirmar el valor de configuración.

[Einstellen der Lochungsposition]

1. Stecken Sie den Netzstecker des MFP in die Wandsteckdose und schalten Sie den MFP am Hauptschalter ein.
2. Eine Testkopie im Lochungsmodus erstellen.
3. Falls eine außermittige Lochung erfolgte, ist die Lochungsposition wie folgend nachzustellen.

Einstellen der Lochungsregistrierung

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Regist.
2. Die Werte einstellen.
Wenn Papier verkantet eingezogen wird Kopiebeispiel (a): Den Einstellwert erhöhen.
Wenn Papier verknittert wird Kopiebeispiel (b): Den Einstellwert verringern.
3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

[Regolazione di posizione dei fori di perforazione]

1. Collegare la spina del cavo di alimentazione dell'MFP alla presa a muro della rete elettrica e accendere l'interruttore principale di alimentazione.
2. Eseguire una copia di prova in modalità di perforazione.
3. Nel caso in cui non lo siano, eseguire la procedura indicata qui di seguito per regolarne la posizione.

Regolazione del registro del foro di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Regist.
2. Regolare i valori.
Quando l'alimentazione della carta risulta obliqua esempio di copia (a): Aumentare il valore dell'impostazione.
Quando la carta risulta increspata esempio di copia (b): Diminuire il valore dell'impostazione.
3. Premere il tasto di Start per confermare il valore dell'impostazione.

[打孔位置的调节]

1. 将 MFP 主机上的电源插头插入电源插座中，打开主电源开关。
2. 在打孔模式下进行测试复印。
3. 打孔位置有偏差时，按以下步骤进行调节。

打孔装入定位调节

1. 设置维护模式 U246，选择 Finisher、Punch Regist。
2. 调整设定值。
纸张斜向搬运时的复印样本 (a)：调高设定值。
纸张作 Z 字折时的复印样本 (b)：调低设定值。
3. 按 Start 键，以确定设定值。

[핀치위치의 조정]

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON으로 합니다.
2. 핀치모드에서 시험복사를 합니다.
3. 핀치위치가 벗어난 경우에는 다음 순서로 조정합니다.

핀치반입 레지스트 조정

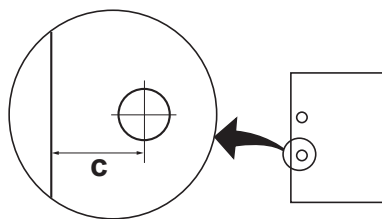
1. 메인テナンス 모드 U246 를 세트하고 Finisher, Punch Regist 를 선택합니다.
2. 설정치를 조정합니다.
용지가 경사로 반송되는 경우의 복사샘플 (a): 설정치를 높입니다.
용지가 Z 꺾임이 있는 경우의 복사샘플 (b): 설정치를 내립니다.
3. 시작키를 누르고 설정치를 확인합니다.

[パンチ位置の調整]

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. パンチモードでテストコピーを行う。
3. パンチ位置がずれていた場合、次の手順で調整を行う。

パンチ搬入レジスト調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Regist を選択する。
2. 設定値を調整する。
用紙が斜めに搬送される場合コピーサンプル (a)：設定値を上げる。
用紙が Z 折れする場合コピーサンプル (b)：設定値を下げる。
3. スタートキーを押し、設定値を確定する。



Adjusting the hole punch position feed

1. Enter the maintenance mode U246, select Finisher and Punch Feed.
2. Adjust the values.
If the punch hole position is closer to the edge than the reference value (c): Increase the setting value.
If the punch hole position is further from the edge than the reference value (c): Decrease the setting value.

3. Press the Start key to confirm the setting value.

<Reference value (c)>

Metric specification: 13 mm; Inch specification: 9.5 mm

Réglage de la position du point de perforation

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Feed.
2. Régler les valeurs.
Si la perforation est plus proche du bord de la feuille que défini par la valeur de référence (c): Augmentez la valeur de réglage.
Si la perforation est plus loin du bord de la feuille que défini par la valeur de référence (c): Diminuez la valeur de réglage.

3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

<Valeur de référence (c)>

Spécifications métriques: 13 mm; Spécifications en pouces: 9,5 mm

Ajuste de la alimentación de la posición de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Feed.
2. Ajuste los valores.
Si la posición de perforación está más cerca del borde que el valor de referencia (c): Aumente el valor de configuración.
Si la posición de perforación está más alejada del borde que el valor de referencia (c): Reduzca el valor de configuración.

3. Pulse la tecla de Start para confirmar el valor de configuración.

<Valor de referencia (c)>

Sistema métrico: 13 mm; en pulgadas: 9,5 mm

Einstellen des Transports der Lochungsposition

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Feed.
2. Die Werte einstellen.
Falls die Lochungsposition näher an der Kante liegt als der Bezugswert (c) erlaubt: Den Einstellwert erhöhen.
Falls die Lochungsposition ferner von der Kante liegt als der Bezugswert (c) erlaubt: Den Einstellwert verringern.

3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

<Bezugswert (c)>

Metrischer Abstand: 13 mm; Abstand in Zoll: 9,5 mm

Regolazione spostamento di posizione dei fori di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Feed.
2. Regolare i valori.
Se la posizione dei fori di perforazione è più vicina al bordo rispetto al valore di riferimento (c): Aumentare il valore dell'impostazione.
Se la posizione dei fori di perforazione è più lontana dal bordo rispetto al valore di riferimento (c): Diminuire il valore dell'impostazione.

3. Premere il tasto di Start per confermare il valore dell'impostazione.

<Valore di riferimento (c)>

Specificazione in unità metrica: 13 mm; Specificazione in pollici: 9,5 mm

打孔位置搬送调节

1. 设置维护模式 U246, 选择 Finisher、Punch Feed。
2. 调整设定值。
打孔位置比基准值 (c) 短时: 调高设定值。
打孔位置比基准值 (c) 长时: 调低设定值。

3. 按 Start 键, 以确定设定值。

<基准值 (c) >

公制规格: 13mm、英制规格: 9.5mm

핀치위치 반송조정

1. 메인터너스 모드 U246 를 세트하고 Finisher, Punch Feed 를 선택합니다.
2. 설정치를 조정합니다.
핀치구멍의 위치가 기준치 (c) 보다 짧은 경우: 설정치를 높입니다.
핀치구멍의 위치가 기준치 (c) 보다 긴 경우: 설정치를 내립니다.

3. 시작키를 누르고 설정치를 확인합니다.

<기준치 (c) >

센치사양: 13mm, 인치사양: 9.5mm

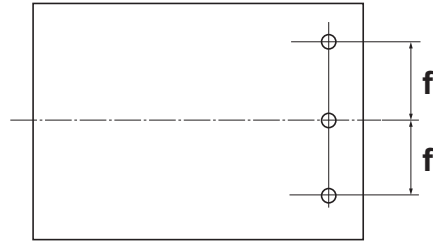
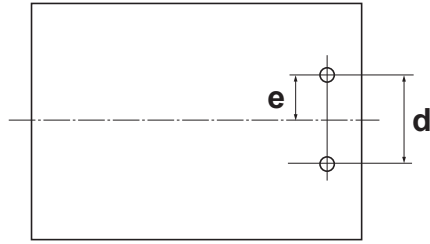
パンチ位置搬送調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Feed を選択する。
2. 設定値を調整する。
パンチ穴の位置が基準値 (c) より短い場合: 設定値を上げる。
パンチ穴の位置が基準値 (c) より長い場合: 設定値を下げる。

3. スタートキーを押し、設定値を確定する。

<基準値 (c) >

センチ仕様: 13mm、インチ仕様: 9.5mm



Centering the hole punch position

1. Enter the maintenance mode U246, select Finisher and Punch Width.
2. Adjust the values.
If the punch hole is too close to the front of the machine: Decrease the setting value.
If the punch hole is too close to the rear of the machine: Increase the setting value.

3. Press the Start key to confirm the setting value.

<Reference value>

Metric specification: $d = 80 \text{ mm} \pm 0.5$, $e = 40 \text{ mm} \pm 2$
Inch specification: $d = 2.75 \text{ inch} \pm 0.5$, $e = 1.375 \text{ inch} \pm 2$,
 $f = 4.25 \text{ inch} \pm 0.5$

Centrage de la position de perforation

1. Passer en mode maintenance U246, sélectionner Finisher et Punch Width.
2. Régler les valeurs.
Si la perforation est trop proche de l'avant de la machine: Diminuez la valeur de réglage.
Si la perforation est trop proche de l'arrière de la machine: Augmentez la valeur de réglage.

3. Appuyer sur la touche de Start pour confirmer la valeur de réglage.

<Valeur de référence>

Spécifications métriques: $d = 80 \text{ mm} \pm 0.5$, $e = 40 \text{ mm} \pm 2$
Spécifications en pouces: $d = 2,75 \text{ pouces} \pm 0,5$, $e = 1,375 \text{ pouces} \pm 2$,
 $f = 4.25 \text{ pouces} \pm 0,5$

Centrado de la posición de perforación

1. Entre en el modo de mantenimiento U246, seleccione Finisher y Punch Width.
2. Ajuste los valores.
Si la perforación se encuentra demasiado cerca del frente de la máquina: Reduzca el valor de configuración.
Si la perforación se encuentra demasiado cerca de la parte trasera de la máquina: Aumente el valor de configuración.

3. Pulse la tecla de Start para confirmar el valor de configuración.

<Valor de referencia>

Sistema métrico: $d = 80 \text{ mm} \pm 0,5$, $e = 40 \text{ mm} \pm 2$
En pulgadas: $d = 2,75 \text{ pulgada} \pm 0,5$, $e = 1,375 \text{ pulgada} \pm 2$,
 $f = 4.25 \pm 0,5 \text{ pulgada}$

Zentrieren der Stanzlochposition

1. Schalten Sie in den Wartungsmodus U246, wählen Sie Finisher und Punch Width.
2. Die Werte einstellen.
Falls die Lochung zu nah an der Gerätefront liegt: Den Einstellwert verringern.
Falls die Lochung zu weit weg von der Gerätefront liegt: Den Einstellwert erhöhen.

3. Den Einstellwert durch Drücken der Start-Taste bestätigen.

<Bezugswert>

Metrischer Abstand: $d = 80 \text{ mm} \pm 0,5$; $e = 40 \text{ mm} \pm 2$
Abstand in Zoll: $d = 2,75 \text{ Zoll} \pm 0,5$, $e = 1,375 \text{ Zoll} \pm 2$,
 $f = 4.25 \text{ Zoll} \pm 0,5$

Centrata della posizione dei fori di perforazione

1. Entrare in modalità manutenzione U246, selezionare Finisher e Punch Width.
2. Regolare i valori.
Se la posizione dei fori di perforazione è troppo vicina alla parte anteriore della macchina: Diminuire il valore dell'impostazione.
Se la posizione dei fori di perforazione è troppo vicina alla parte posteriore della macchina: Aumentare il valore dell'impostazione.

3. Premere il tasto di Start per confermare il valore dell'impostazione.

<Valore di riferimento>

Specificazione in unità metrica: $d = 80 \text{ mm} \pm 0,5$, $e = 40 \text{ mm} \pm 2$
Specificazione in pollici: $d = 2,75 \text{ pollici} \pm 0,5$, $e = 1,375 \text{ pollici} \pm 2$,
 $f = 4.25 \text{ pollici} \pm 0,5$

打孔位置中心调节

1. 设置维护模式 U246, 选择 Finisher、Punch Width。
2. 调整设定值。
打孔位置向机器前部偏移时: 调低设定值。
打孔位置向机器后部偏移时: 调高设定值。

3. 按 Start 键, 以确定设定值。

<基准值>

公制规格: $d=80\text{mm} \pm 0.5$ 、 $e=40\text{mm} \pm 2$
英制规格: $d=2.75\text{inch} \pm 0.5$ 、 $e=1.375\text{inch} \pm 2$ 、 $f=4.25\text{inch} \pm 0.5$

펀치위치 센터조정

1. 메인터넌스 모드 U246 를 세트하고 Finisher, Punch Width 를 선택합니다.
2. 설정치를 조정합니다.
펀치구멍이 기기 앞측으로 벗어난 경우: 설정치를 내립니다.
펀치구멍의 위치가 기기 뒷측으로 벗어난 경우: 설정치를 높입니다.

3. 시작키를 누르고 설정치를 확인합니다.

<기준치>

센치 사양: $d=80\text{mm} \pm 0.5$, $e=40\text{mm} \pm 2$
인치 사양: $d=2.75\text{inch} \pm 0.5$, $e=1.375\text{inch} \pm 2$, $f=4.25\text{inch} \pm 0.5$

パンチ位置センター調整

1. メンテナンスモード U246 をセットし、Finisher、Punch Width を選択する。
2. 設定値を調整する。
パンチ穴の位置が機械前側にずれている場合: 設定値を下げる。
パンチ穴の位置が機械後側にずれている場合: 設定値を上げる。

3. スタートキーを押し、設定値を確定する。

<基準値>

センチ仕様: $d=80\text{mm} \pm 0.5$ 、 $e=40\text{mm} \pm 2$
インチ仕様: $d=2.75\text{inch} \pm 0.5$ 、 $e=1.375\text{inch} \pm 2$ 、 $f=4.25\text{inch} \pm 0.5$

NOTICE

This accessory is for use only with the following Applicant's Listed Machine.
Refer to the supplied guide to install the accessory in the field.
Machine: DF-770, DF-790

AVIS

Cet accessoire est utilisable uniquement avec le copieur figurant dans la liste du demandeur suivant.
Se reporter au guide fourni pour installer l'accessoire dans le champ.
Modèle: DF-770, DF-790

AVISO

Este accesorio es sólo para usar en las siguientes fotocopiadoras de la lista de solicitantes.
Consulte las instrucciones para la instalación de accesorios en el lugar del cliente.
Modelo: DF-770, DF-790

HINWEIS

Dieses Zubehör ist nur für den Einsatz mit der folgenden Antragstellerlisten-Kopiermaschine vorgesehen.
Installieren Sie das Zubehör gemäß der mitgelieferten Anleitung im Feld.
Modell: DF-770, DF-790

NOTIFICA

Questo accessorio deve essere usato solo con le seguenti fotocopiatrici nella lista dell'applicante.
Consultare la guida fornita in dotazione per il montaggio in campo dell'accessorio.
Modello: DF-770, DF-790

注意

本产品适用于以下选购件。
安装时，请参照附带的说明书。
式样：DF-770, DF-790

주의

본 제품은 이하의 기종에 적용됩니다.
설치할 때에는 동봉된 안내문을 참조해 주십시오.
기종: DF-770, DF-790

注意

本製品は、以下の機種に適用します。
設置する際は、同梱の手順書を参照してください。
機種: DF-770, DF-790

DT-730(B) (Document tray)

Installation Guide

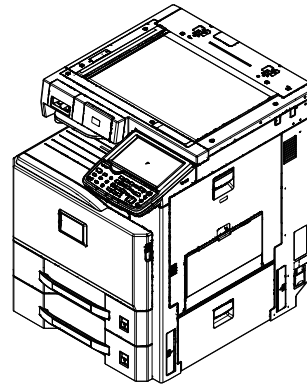
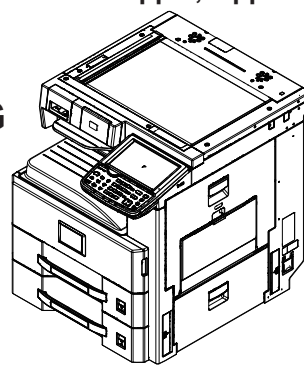


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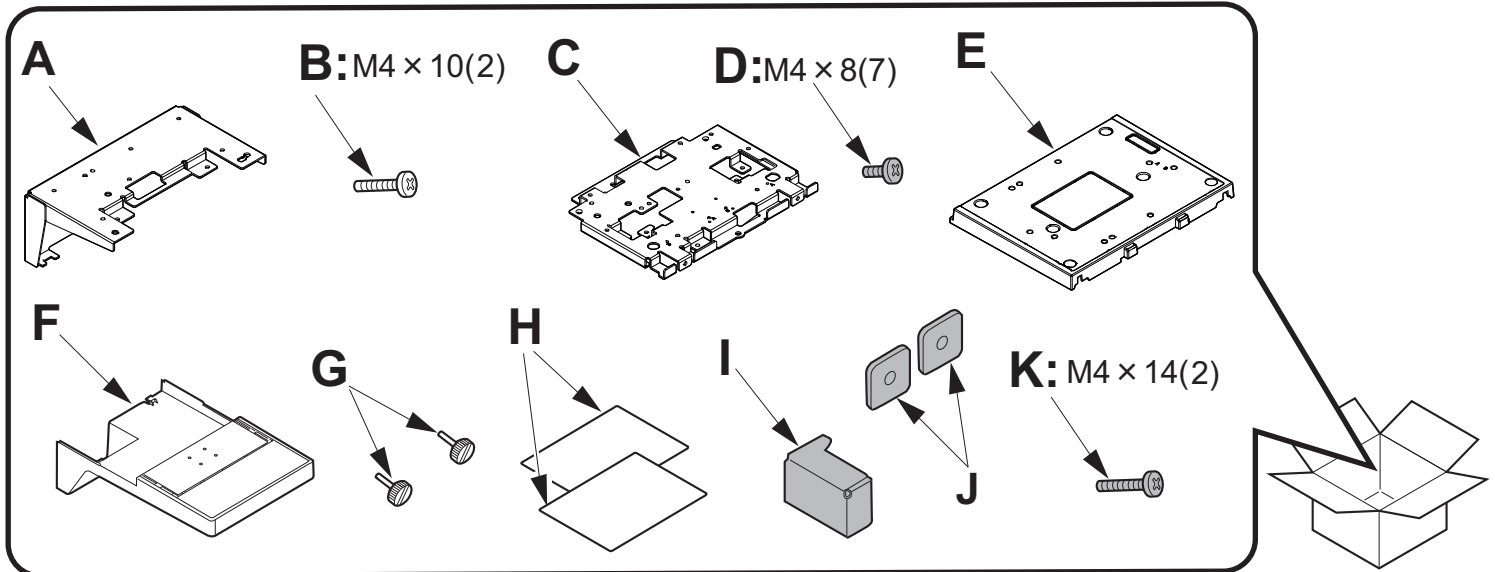
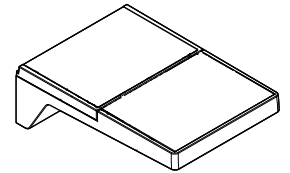
INSTALLATION GUIDE
GUIDE D'INSTALLATION
GUÍA DE INSTALACION
INSTALLATIONSANLEITUNG
GUIDA ALL'INSTALLAZIONE
安装手册
설치안내서
設置手順書

for Black & White MFP
30ppm,35ppm

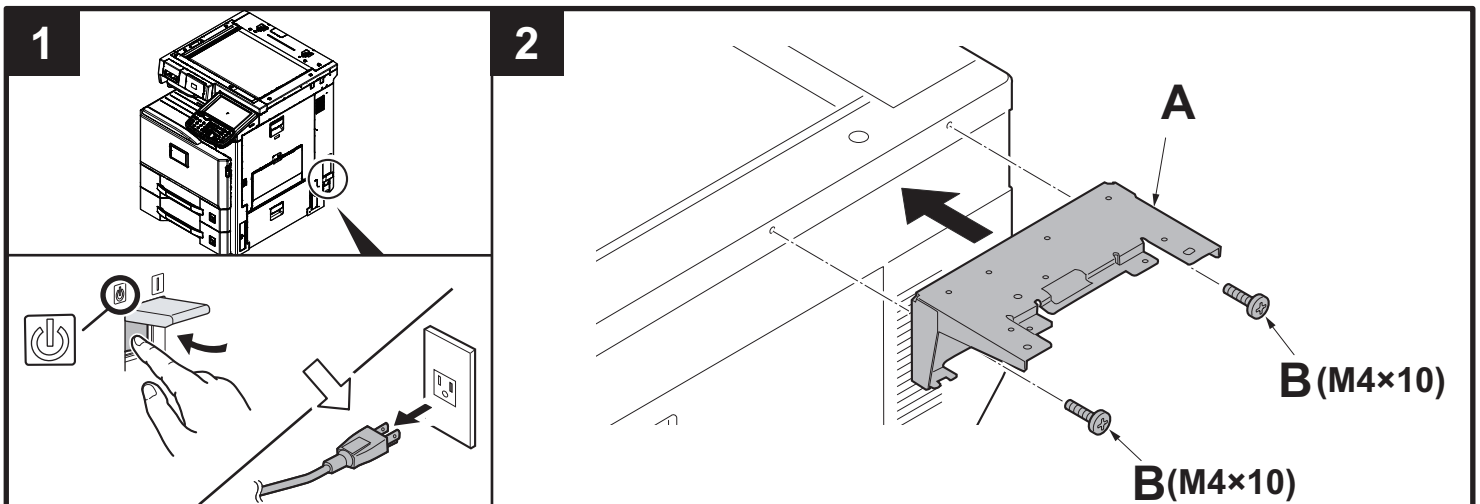
for Color MFP 25/25ppm

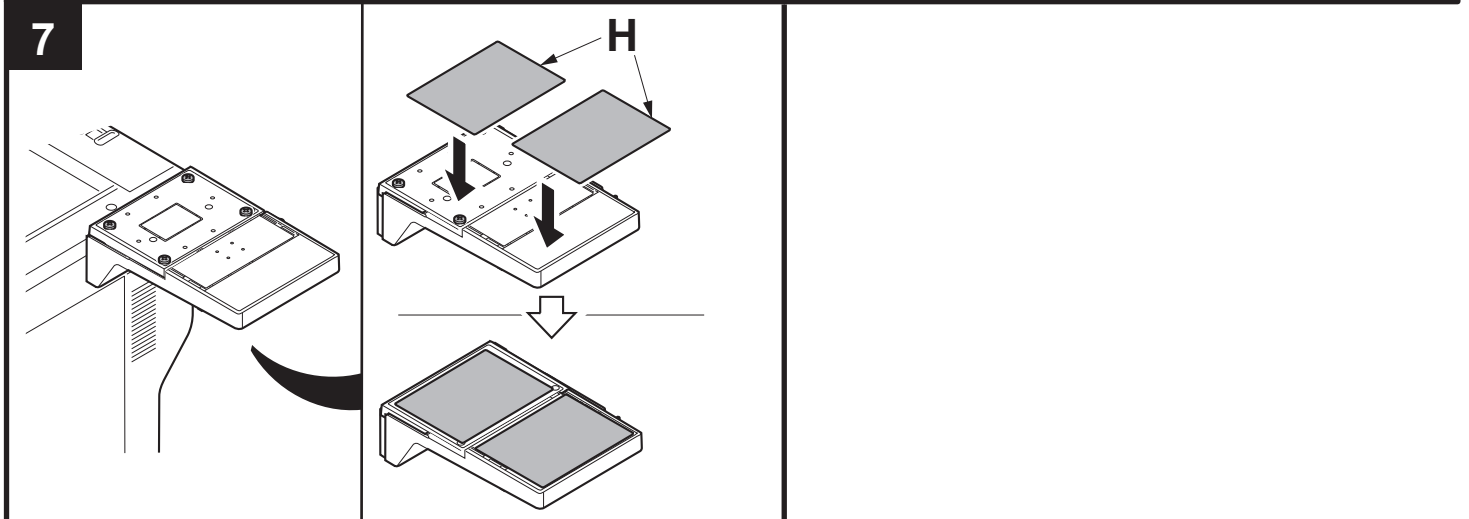
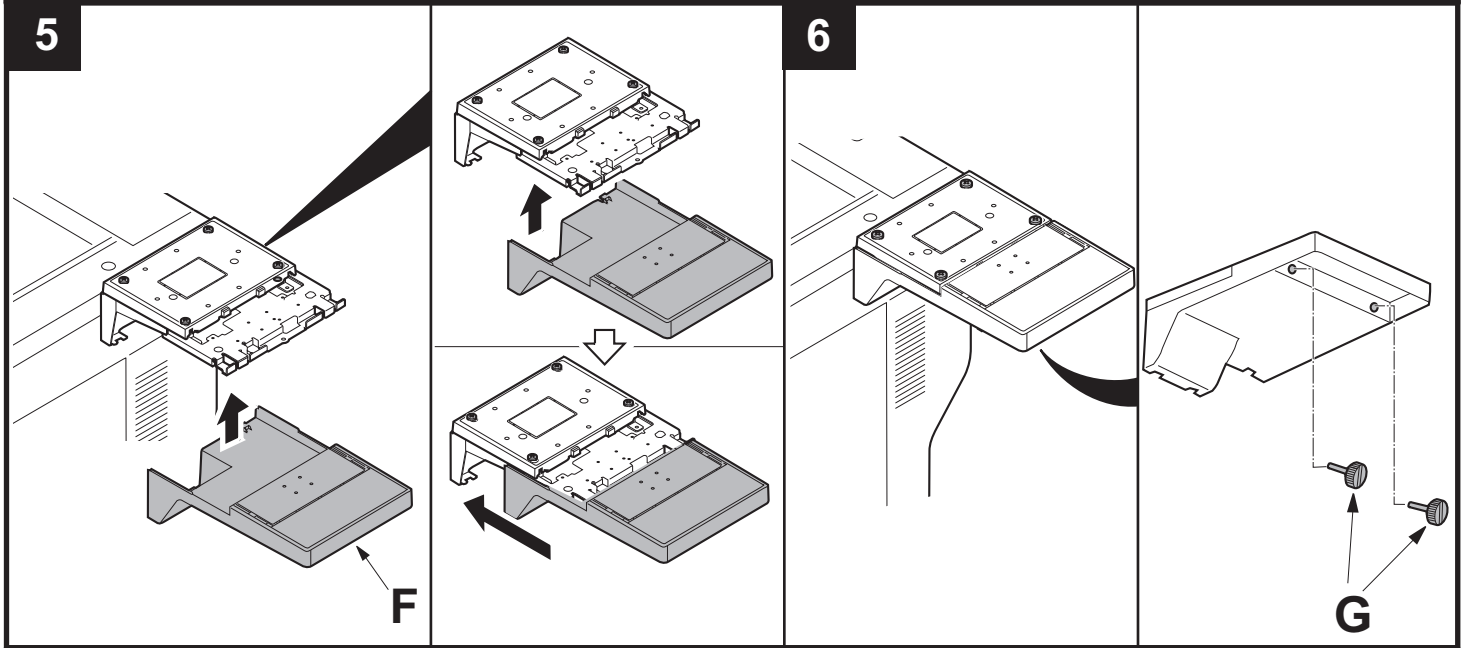
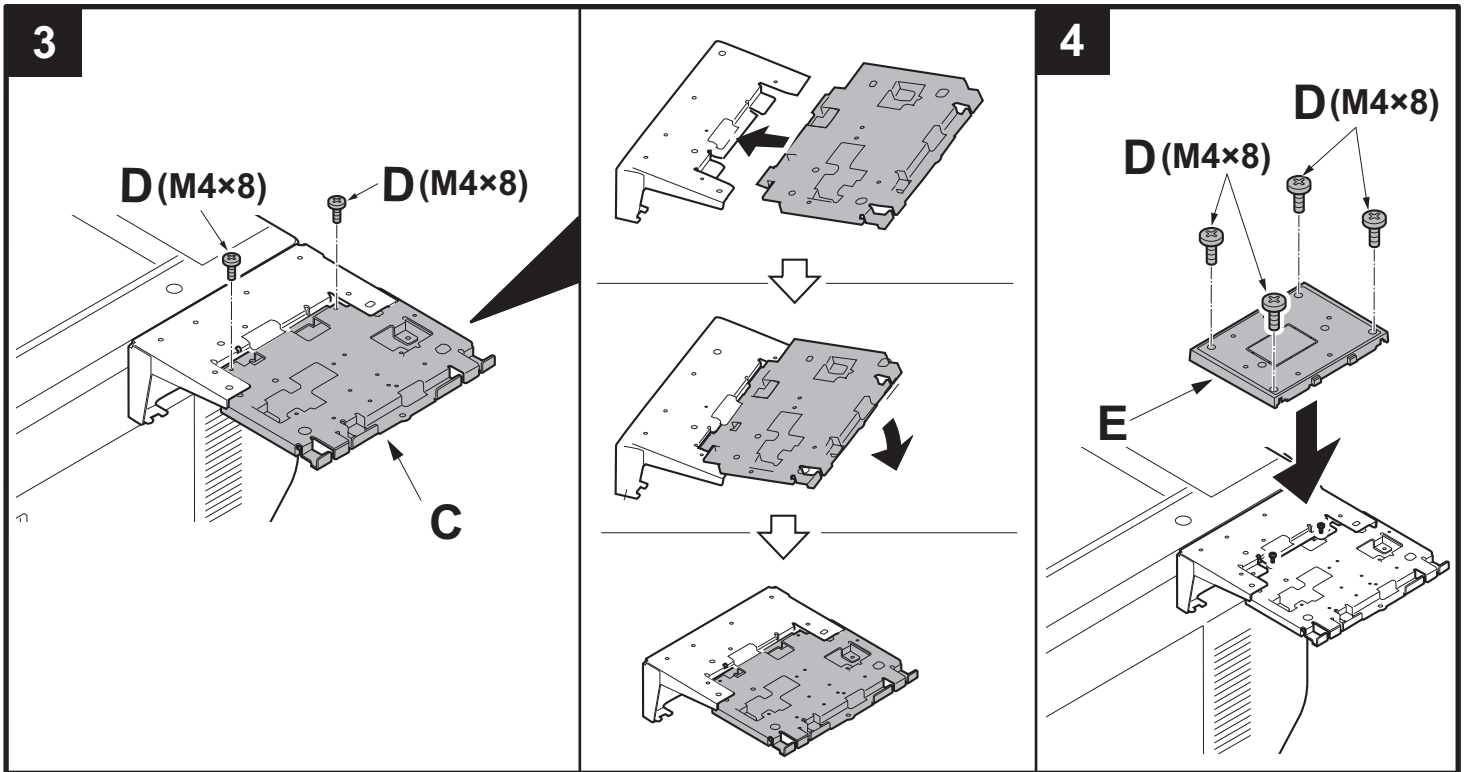


DT-730(B)



- (ENG)** (I), (J) and (K) are not used. 1 piece of (D) will be left.
- (FR)** (I), (J) et (K) ne sont pas utilisés. Une pièce de (D) sera laissée inutilisée.
- (ES)** (I), (J) y (K) no se utilizan. Una parte de (D) debe dejarse.
- (DE)** (I), (J) und (K) werden nicht verwendet. 1 Stück von (D) bleibt übrig.
- (IT)** (I), (J) e (K) non vengono utilizzati. Rimarrà 1 pezzo di (D).
- (CN)** 不使用(I), (J), (K)。会剩余(D)1个。
- (KO)** (I),(J) 및 (K)가 사용되지 않습니다. (D) 피스 하나가 남게 됩니다.
- (JP)** (I), (J), (K)は使用しません。(D)は、1本余ります。





FAX System (W) B

Installation Guide

INSTALLATION GUIDE

GUIDE D'INSTALLATION

GUÍA DE INSTALACION

INSTALLATIONSANLEITUNG

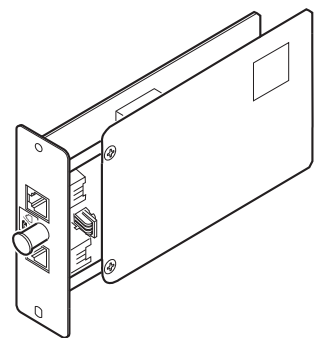
GUIDA ALL'INSTALLAZIONE

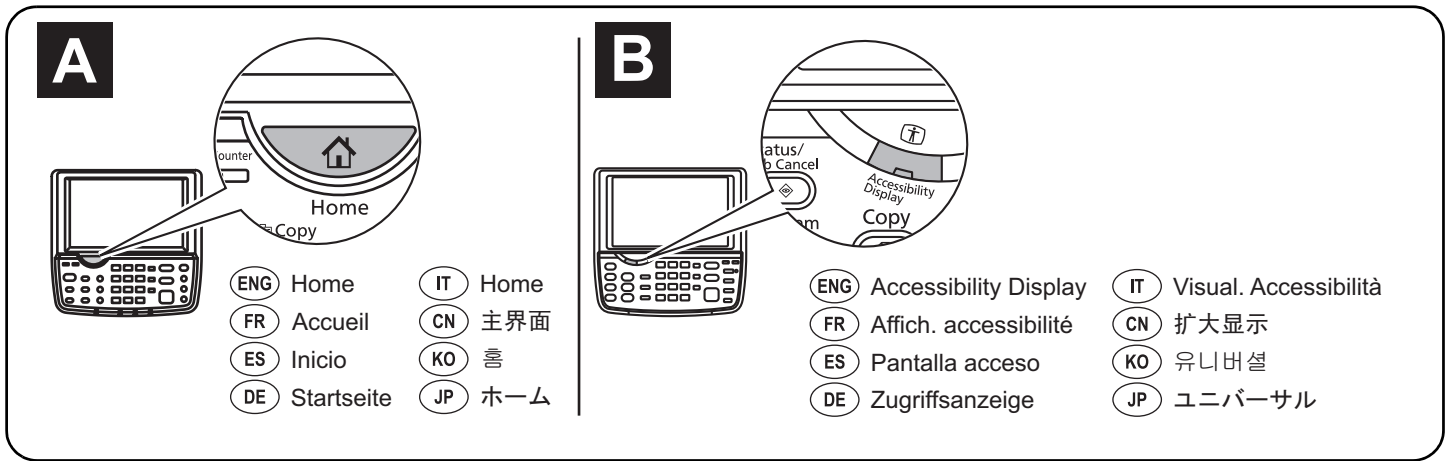
安装手册

설치안내서

設置手順書

FAX System(W)





English

A different procedure is required depending on the product which is installed with this unit. Each procedure is described in the following pages.

When installing the Fax system on a machine (A) which has the 'Home' key in the operation panel, see Page 1 to Page 13.

When installing the multiport on a machine (A) which has the 'Home' key in the operation panel, see Page 14 to Page 21.

When installing the Fax system on a machine (B) which has the 'Accessibility Display' key in the operation panel, see Page 22 to Page 34.

When installing the multiport on a machine (B) which has the 'Accessibility Display' key in the operation panel, see Page 35 to Page 41.

Français

Une procédure différente est requise selon le produit qui est installé avec cette unité. Chaque procédure est décrite dans les pages suivantes.

Lors de l'installation du fax sur une machine (A) disposant de la touche 'Accueil' sur le panneau de commande, voir de Page 1 à Page 13.

Lors de l'installation du port multiple sur une machine (A) disposant de la touche 'Accueil' sur le panneau de commande, voir Page 14 à Page 21.

Lors de l'installation du fax sur une machine (B) disposant de la touche 'Affich. accessibilité' sur le panneau de commande, voir de Page 22 à Page 34.

Lors de l'installation du port multiple sur une machine (B) disposant de la touche 'Affich. accessibilité' sur le panneau de commande, voir Page 35 à Page 41.

Español

El procedimiento es diferente según el producto que se instale con esta unidad. En las siguientes páginas, se describe cada procedimiento.

Al instalar el sistema de fax en una máquina (A) que dispone de la tecla 'Inicio' en el panel de controles, consulte las páginas de la 1 a la 13.

Al instalar un puerto múltiple en una máquina (A) que dispone de la tecla 'Inicio' en el panel de controles, consulte las páginas de la 14 a la 21.

Al instalar el sistema de fax en una máquina (B) que dispone de la tecla 'Pantalla acceso' en el panel de controles, consulte las páginas de la 22 a la 34.

Al instalar un puerto múltiple en una máquina (B) que dispone de la tecla 'Pantalla acceso' en el panel de controles, consulte las páginas de la 35 a la 41.

Deutsch

Je nach verwendetem Modell ist eine andere Vorgehensweise zur Installation dieses Teils erforderlich. Die unterschiedlichen Vorgehensweisen werden auf den folgenden Seiten erläutert.

Bei Installation des FAX-Systems in einem Gerät (A), das über die Taste 'Startseite' im Bedienfeld verfügt, siehe Seite 1 bis 13.

Bei Installation einer zweiten Leitung in einem Gerät (A), das über die Taste 'Startseite' im Bedienfeld verfügt, siehe Seite 14 bis 21.

Bei Installation des FAX-Systems in einem Gerät (B), das über die Taste 'Zugriffsanzeige' im Bedienfeld verfügt, siehe Seite 22 bis 34.

Bei Installation einer zweiten Leitung in einem Gerät (B), das über die Taste 'Zugriffsanzeige' im Bedienfeld verfügt, siehe Seite 35 bis 41.

Italiano

Si richiede una procedura diversa in funzione del prodotto su cui è installata l'unità. Le singole procedure sono descritte nelle pagine seguenti.

Per l'installazione del modulo FAX su una macchina (A) dotata di tasto 'Home' sul pannello comandi, vedere le istruzioni da Pagina 1 a Pagina 13.

Per l'installazione di una porta multipla su una macchina (A) dotata di tasto 'Home' sul pannello comandi, vedere le istruzioni da Pagina 14 a Pagina 21.

Per l'installazione del modulo FAX su una macchina (B) dotata di tasto 'Visual. Accessibilità' sul pannello comandi, vedere le istruzioni da Pagina 22 a Pagina 34.

Per l'installazione di una porta multipla su una macchina (B) dotata di tasto 'Visual. Accessibilità' sul pannello comandi, vedere le istruzioni da Pagina 35 a Pagina 41.

简体中文

根据安装对象, 安装步骤略有不同。各个步骤记载在下面的页面。

当安装传真系统到那些操作面板上有 '主界面' 按键的机器 (A) 时, 请参见 P1-P13。

当安装双路传真系统到那些操作面板上有 '主界面' 按键的机器 (A) 时, 请参见 P14-P21。

当安装传真系统到那些操作面板上有 '扩大显示' 按键的机器 (B) 时, 请参见 P22-P34。

当安装双路传真系统到那些操作面板上有 '扩大显示' 按键的机器 (B) 时, 请参见 P35-P41。

한국어

이 장치를 설치하는 제품에 따라 절차가 다릅니다. 다음 페이지에서 각 절차를 설명합니다.

조작판넬에 '홈' 키가 있는 본체 (A) 에 팩스 시스템을 설치하는 경우 1 페이지 ~ 13 페이지를 참조하십시오.

조작판넬에 '홈' 키가 있는 본체 (A) 에 다중 포트를 설치하는 경우 14 페이지 ~ 21 페이지를 참조하십시오.

조작판넬에 '유니버설' 키가 있는 본체 (B) 에 팩스 시스템을 설치하는 경우 22 페이지 ~ 34 페이지를 참조하십시오.

조작판넬에 '유니버설' 키가 있는 본체 (B) 에 다중 포트를 설치하는 경우 35 페이지 ~ 41 페이지를 참조하십시오.

日本語

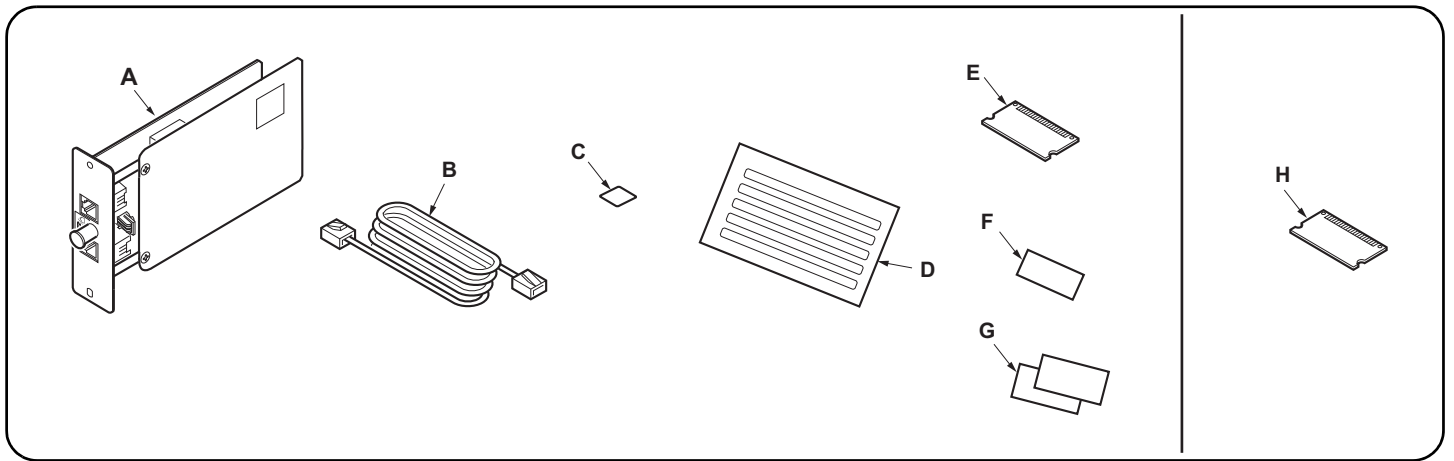
装着する対象によって、取付手順は異なります。それぞれ、以下のページに記載しています。

操作パネルに 'ホーム' キーがある機械 (A) にファクスシステムを設置する場合; 1 ページ ~ 13 ページ

操作パネルに 'ホーム' キーがある機械 (A) にマルチポートを設置する場合; 14 ページ ~ 21 ページ

操作パネルに 'ユニバーサル' キーがある機械 (B) にファクスシステムを設置する場合; 22 ページ ~ 34 ページ

操作パネルに 'ユニバーサル' キーがある機械 (B) にマルチポートを設置する場合; 35 ページ ~ 41 ページ



When installing the Fax system on a machine (A) which has the 'Home' key in the operation panel

Supplied parts

- A. FAX circuit board 1
- B. Modular connector cable
(120 V/Australian model only)
PJJWC0016Z (UL Listed.HUAN HSIN
Type TL:120 V only) 1

- C. Terminal seal..... 1
- D. Alphabet label 1
- E. Memory DIMM (16 MB) 1
- F. PTT label (110V model only) 1
- G. Approval label
(Australian/New Zealand models only) 2

Option

- H. Memory DIMM (128 MB) 1

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Lors de l'installation du fax sur une machine (A) disposant de la touche 'Accueil' sur le panneau de commande

Pièces fournies

- A. Carte à circuits FAX..... 1
- B. Câble du connecteur modulaire (modèles
pour l'Australie/120 V seulement)..... 1
- C. Joint de borne..... 1
- D. Etiquette de l'alphabet..... 1

- E. Mémoire DIMM (16 MB) 1
- Option**
- H. Mémoire DIMM (128 MB) 1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

(F) et (G) ne sont pas fournis.

Al instalar el sistema de fax en una máquina (A) que dispone de la tecla 'Inicio' en el panel de controles

Partes suministradas

- A. Tarjeta de circuitos de fax..... 1
- B. Cable conector modular (sólo para
modelos de 120 V/Australianos)..... 1
- C. Sello del terminal..... 1
- D. Etiqueta de alfabeto..... 1

- E. Memoria DIMM (16 MB) 1
- Opción**
- H. Memoria DIMM (128 MB) 1

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

(F) y (G) no se suministran.

Bei Installation des FAX-Systems in einem Gerät (A), das über die Taste 'Startseite' im Bedienfeld verfügt

Enthaltene Teile

- A. FAX-Leiterplatte 1
- C. Verschlusskappe 1
- D. Alphabetaufkleber 1
- E. Speicher-DIMM (16 MB) 1

- Option**
- H. Speicher-DIMM (128 MB) 1

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

(B), (F) und (G) liegen nicht bei.

Per l'installazione del modulo FAX su una macchina (A) dotata di tasto 'Home' sul pannello comandi

Parti fornite

- A. Scheda a circuiti FAX 1
- C. Guarnizione terminale 1
- D. Etichetta alfabetica 1
- E. Memoria DIMM (16 MB) 1

- Opzioni**
- H. Memoria DIMM (128 MB) 1

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

(B), (F) e (G) non sono in dotazione.

当安装传真系统到那些操作面板上有 '主界面' 按键的机器 (A) 时

附属品

- A. 传真电路板..... 1
- B. 电话线..... 1
- C. 端子密封..... 1
- D. 英文字母标签..... 1
- E. 内存模组 DIMM (16MB) 1

- F. 规格标签 1
- 选购件**
- H. 内存模组 DIMM (128MB) 1

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

(G) 并非附属品。

조작판넬에 '홈' 키가 있는 본체 (A) 에 팩스 시스템을 설치하는

동봉품

- A. FAX 기관 1
- C. 단자씰 1
- D. 알파벳 라벨..... 1
- E. 메모리 DIMM (16MB) 1

- 옵션**
- H. 메모리 DIMM (128MB) 1

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.

(B), (F), (G) 는 동봉되어 있지 않습니다.

操作パネルに 'ホーム' キーがある機械 (A) にファクスシステムを設置する場合

同梱品

- A. FAX 基板 1
- B. モジュラーコード..... 1
- C. 端子シール..... 1
- E. メモリーDIMM(16MB)..... 1

- オプション**
- H. メモリーDIMM(128MB) 1

同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。

(D), (F), (G) は、同梱されていない。

NOTICE

References to medium-speed MFPs in this document denote 30/30, 35/35, 45/45 and 55/50 ppm color machines, and 35, 45 and 55 ppm monochrome machines.

References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines. (The generic procedure figures in this document show medium-speed MFPs.)

If the finisher is already installed, remove the finisher before installing FAX System(W).

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

REMARQUE

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 30/30, 35/35, 45/45 et 55/50 ppm et aux machines monochromes 35, 45 et 55 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm. (Dans ce document, les chiffres des processus génériques renvoient aux MFP à vitesse moyenne.)

Si le retoucheur est déjà en place, le déposer avant de monter le FAX System(W).

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

AVISO

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 30/30, 35/35, 45/45 y 55/50 ppm y a las máquinas monocromáticas de 35, 45 y 55 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm. (Las ilustraciones de procedimientos genéricos de este documento muestran las MFP de velocidad media.)

Si el finalizador ya se encuentra instalado, desmóntelo antes de instalar el FAX System(W).

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

ANMERKUNG

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 30/30, 35/35, 45/45 und 55/50 ppm Vollfarbentkopierer sowie für die 35, 45 und 55 ppm Monochrommaschinen.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbentkopierer sowie für die 65 und 80 ppm Monochrommaschinen. (Die Abbildungen der allgemeinen Prozeduren zeigen MFP der mittleren Leistungsklasse.)

Falls der Finisher schon installiert ist, müssen Sie ihn ausbauen, bevor Sie das FAX System(W) installieren.

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

AVVISO

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 30/30, 35/35, 45/45 e 55/50 ppm, e le macchine monocromatiche 35, 45 e 55 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm. (Le figure della procedura generica riportate in questo documento mostrano le MFP a velocità media.)

Se la finitrice è già installata, rimuovere la finitrice prima di installare il FAX System(W).

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

注意

本文中の中速 MFP 代表彩色 30/30 页机型、35/35 页机型、45/45 页机型、55/50 页机型、黑白 35 页机型、45 页机型、55 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。(本文中的通用步骤的插图为中速 MFP。)

已安装装订器时，必须先拆下装订器再安装 FAX System(W)。

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

주의

본문 중 중속 MFP 는 컬러 30/30 매기, 35/35 매기, 45/45 매기, 55/50 매기, 흑백 35 매기, 45 매기, 55 매기를 나타냅니다.

본문 중 고속 MFP 는 컬러 65/65 매기, 75/70 매기, 흑백 65 매기, 80 매기를 나타냅니다. (본문 중 공통 순서 일러스트는 중속 MFP 로 한다.)

피니셔가 이미 장착되어 있는 경우에는 피니셔를 제거하고 FAX System(W) 를 설치할 것.

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오.

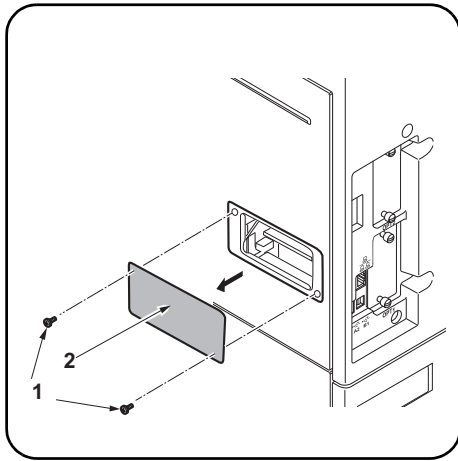
注意

本文中の中速 MFP はカラー機の 30/30 枚機、35/35 枚機、45/45 枚機、55/50 枚機、モノクロ機の 35 枚機、45 枚機、55 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。(本文中の共通手順イラストは中速 MFP とする。)

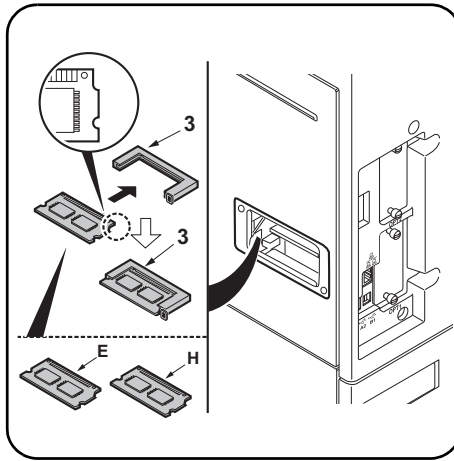
フィニッシャーがすでに装着されている場合は、フィニッシャーを取り外してから、FAX System(W) を取り付けること。

必ず機械本体の主電源スイッチを OFF にし、機械本体の電源プラグを抜いてから作業すること。



Procedure
Installing the memory DIMM

1. Remove 2 screws (1), and then remove the cover (2).



2. Install the memory DIMM (E) or the optional memory DIMM (H) into the memory slot (3). Install it with the IC side facing up. Insert it in the direction of the arrow until it clicks.

3. Replace the cover (2) using the 2 screws (1).

Procédure
Installation de la mémoire DIMM

1. Déposez les 2 vis (1) puis enlevez le couvercle (2).

2. Installer la mémoire DIMM (E) ou la mémoire DIMM en option (H) dans la fente mémoire (3). L'installer avec le côté IC vers le haut. L'insérer dans la direction de la flèche jusqu'au clic.

3. Reposez le couvercle (2) à l'aide des 2 vis (1).

Procedimiento
Instalación de la memoria DIMM

1. Quite 2 tornillos (1) y, después, desmonte la cubierta (2).

2. Instale la memoria DIMM (E) o la memoria DIMM opcional (H) en la ranura para memoria (3). Instálela con la cara IC hacia arriba. Insértela en la dirección que indica la flecha hasta que escuche un clic.

3. Vuelva a colocar la cubierta (2) utilizando los 2 tornillos (1).

Vorgehensweise
Installation der DIMM-Speichermodule

1. Entfernen Sie 2 Schrauben (1) und nehmen Sie dann die Abdeckung (2) ab.

2. Setzen Sie den DIMM-Speicher (E) oder den optionalen DIMM-Speicher (H) in der Speichersteckplatz (3). Installieren Sie die Platine mit den Speicherbausteinen nach oben. Schieben Sie das Modul in Pfeilrichtung, bis es hörbar einrastet.

3. Bringen Sie die Abdeckung (2) wieder mit den 2 Schrauben (1) an.

Procedura
Installazione della memoria DIMM

1. Rimuovere 2 viti (1), e quindi rimuovere il coperchio (2).

2. Installare la memoria DIMM (E) oppure la memoria opzionale DIMM (H) nello slot memoria (3). Installarla con il lato IC rivolto verso l'alto. Inserirla nella direzione della freccia finché non scatta in posizione.

3. Ricollocare il coperchio (2) utilizzando le 2 viti (1).

安装步骤
安装内存模组 DIMM

1. 取下 2 个螺丝 (1)，然后取下盖板 (2)。

2. 将内存模块 (E) 或选购件内存模块 (H) 安装到内存插槽 (3)。
将 IC 侧正面向上来安装。
沿箭头方向将其插入到底直至发出喀嗒声。

3. 使用 2 个螺丝 (1) 重新安装盖板 (2)。

설치순서
메모리 DIMM 설치

1. 나사 (1) 2 개를 제거하고 커버 (2) 를 제거합니다.

2. 메모리 DIMM(E) 또는 옵션 메모리 DIMM(H) 을 메모리 슬롯 (3) 에 장착합니다.
IC 면을 위로 향하게 하여 설치합니다.
딸깍하고 소리가 날 때까지 화살표 방향으로 삽입합니다.

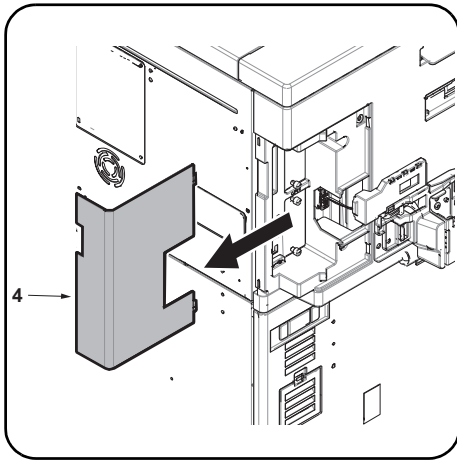
3. 나사 (1) 2 개로 커버 (2) 를 원래대로 장착합니다.

取付手順
メモリーDIMMの取り付け

1. ビス (1) 2 本を外し、カバー (2) を取り外す。

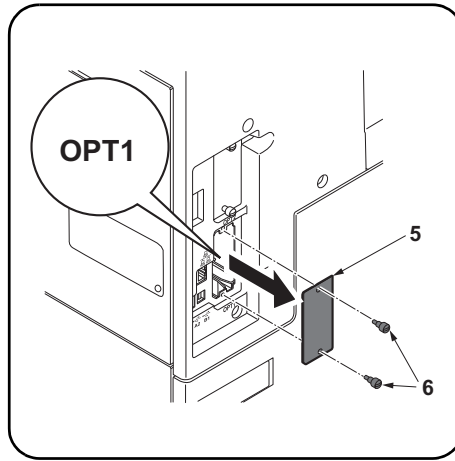
2. メモリーDIMM(E)または、オプションのメモリーDIMM(H) をメモリースロット (3) に取り付ける。
IC面を上向きに取り付けること。
カチッと音がするまで矢印方向に挿入する。

3. ビス (1) 2 本で、カバー (2) を元通り取り付ける。



Removing the slot cover

4. Remove the cover (4).
 * For high-speed MFPs with/without the finisher and for medium-speed MFPs with the finisher installed.



5. Remove 2 screws (6) and then remove the OPT1 slot cover (5).
 * Do not use OPT2.

Dépose du couvercle de la fente

4. Déposer le couvercle (4).
 * Pour les imprimantes multifonction à grande vitesse avec/sans module de finition et pour les imprimantes multifonction à vitesse moyenne avec le module de finition installé.

5. Déposer les 2 vis (6) puis le couvercle de la fente OPT1 (5).
 * Ne pas utiliser OPT2.

Desmontaje de la cubierta de la ranura

4. Quite la cubierta (4).
 * Para los MFP de velocidad alta con/sin finalizador y para los MFP de velocidad media con el finalizador instalado.

5. Quite 2 tornillos (6) y, después, quite la cubierta de la ranura OPT1 (5).
 * No utilice OPT2.

Entfernen der Einschubabdeckung

4. Die Abdeckung (4) entfernen.
 * Bei schnellen MFPs mit/ohne Finisher oder mittelschnellen MFPs mit installiertem Finisher.

- 5.2 Schrauben (6) entfernen und dann die Abdeckung (5) des Einschubs OPT1 entfernen.
 * OPT2 nicht verwenden.

Rimozione del coperchio vano

4. Rimuovere il coperchio (4).
 * Per dispositivi MFP di fascia alta con/senza finisher e per dispositivi di fascia media con finisher installato.

5. Rimuovere le 2 viti (6) e quindi rimuovere il coperchio (5) del vano OPT1.
 * Non utilizzare OPT2.

拆下插槽盖板

4. 拆下盖板 (4)。
 ※ 对于高速机来说装订器可装可不装, 对于中速机来说要安装。

5. 拆除 2 颗螺丝 (6), 拆下 OPT1 的插槽盖板 (5)。
 ※ 不使用 OPT2。

슬롯커버 제거

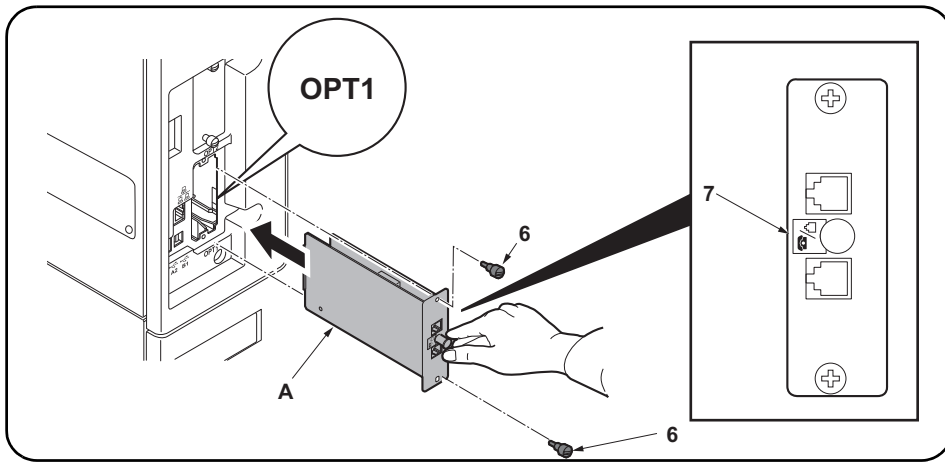
4. 커버 (4) 를 제거합니다.
 ※ 피닛서 장착 및 비장착의 고속 MFP 및 피닛서 장착 중속 MFP.

5. 나사 (6) 2 개를 제거하고 OPT1 의 슬롯커버 (5) 를 제거합니다.
 ※ OPT2 는 사용하지 말 것.

スロットカバーの取り外し

4. カバー (4) を取り外す。
 ※ 高速 MFP の場合および中速 MFP にフィニッシャー装着時の場合。

5. ビス (6) 2 本を外し、OPT1 のスロットカバー (5) を取り外す。
 ※ OPT2 は使用しないこと。



Install the FAX circuit board.

6. Insert the FAX circuit board (A) along the groove in OPT1 and secure the board with two screws (6) that have been removed in step 5.

Do not directly touch the FAX circuit board (A) terminal. Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).

Direct the label (7) on to the FAX circuit board (A) as indicated in the illustration and insert the board along the groove.

Installer la carte à circuits FAX.

6. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT1 et la fixer à l'aide des deux vis (6) retirées à l'étape 5.

Ne pas toucher directement la borne de la carte à circuits FAX (A). Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A). Orienter l'étiquette (7) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de fax.

6. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT1 y asegúrela con los dos tornillos (6) que ha quitado en el paso 5.

No toque directamente el terminal de la tarjeta de circuitos del fax (A). Sujete las partes superior e inferior de la tarjeta de circuitos de fax o la saliente de la tarjeta para insertar la tarjeta de circuitos de fax (A). Oriente la etiqueta (7) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

6. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT1 einsetzen und Leiterplatte mit den in Schritt 5 ausgebauten Schrauben (6) befestigen.

Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern. Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.

Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (7) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

6. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT1 e fissare la scheda con le due viti (6) rimosse nell'operazione 5.

Non toccare direttamente il terminale della scheda a circuiti FAX (A). Per inserire il circuito FAX (A), tenere l'estremità superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX. Orientare l'etichetta (7) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

6. 沿着 OPT1 的沟槽插入传真电路板 (A) 并用步骤 5 中拆下的两颗螺钉 (6) 固定电路板。

请勿直接触摸传真电路板 (A) 端子。

按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。

将传真电路板 (A) 上的标签 (7) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

6. OPT2 의 도랑에 따라 FAX 기판 (A) 를 삽입하고 순서 5 에서 제거한 나사 (6) 2 개로 고정합니다 .

FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것 .

FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것 .

FAX 기판 (A) 을 붙여진 라벨 (7) 그림 표기 방향대로 되도록 삽입할 것 .

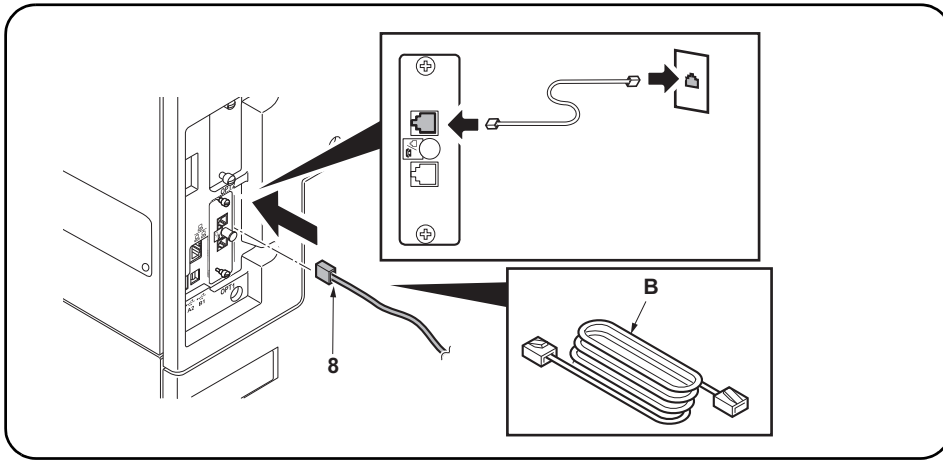
FAX 基板の取り付け

6. OPT1 の溝に沿って FAX 基板 (A) を挿入し、手順 5 で外したビス (6) 2 本で固定する。

FAX 基板 (A) の端子に直接触れないこと。

FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。

FAX 基板 (A) は、貼り付けられているラベル (7) が図に示す方向になるように、挿入すること。



Connect the MFP to the telephone line.

7. Plug the modular connector cable (8) into the line terminal, and then connect the other end to the telephone line.

For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

7. Brancher le câble du connecteur modulaire (8) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.

Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

7. Enchufe el cable del conector modular (8) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.

Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

7. Telefonmodulkabel (8) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.

Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

7. Inserire il cavo connettore modulare (8) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.

Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

7. 将模块接插件电缆 (8) 插入电话线端子, 然后将另一端与电话线连接。

对于 100V/120V/ 澳大利亚或中国机型, 请使用随附的模块接插件电缆 (B)。

전화회선과 접속

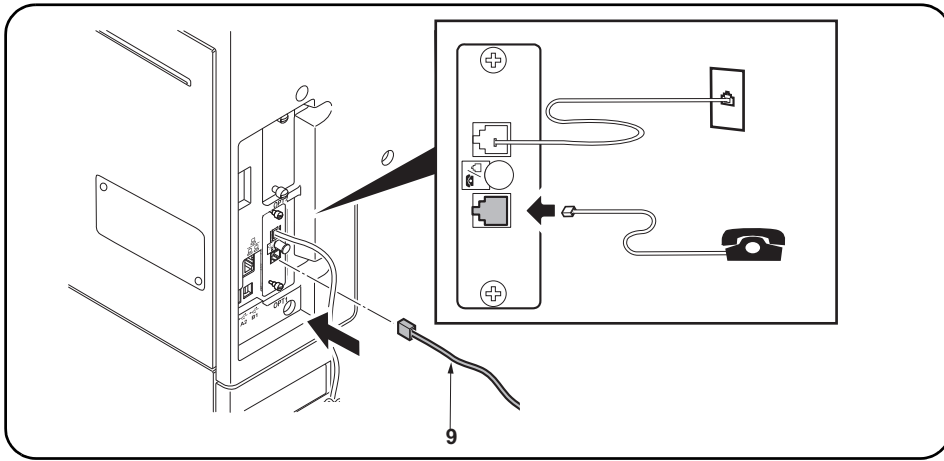
7. 모듈러 코드 (8) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.

100V/120V/ 오스트레일리아 / 중국 사양은 부속 모듈러 코드 (B) 를 사용할 것.

電話回線との接続

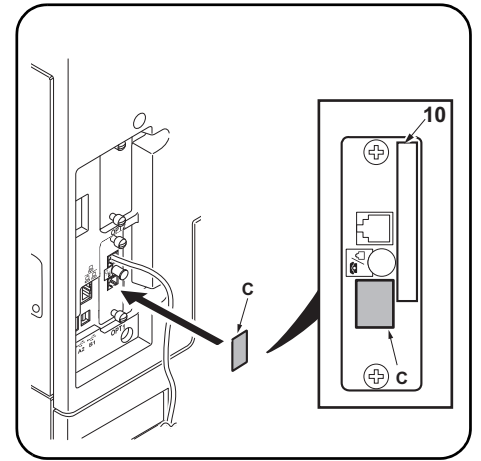
7. モジュラーコード (8) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。

100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。



Connect the MFP to the separate phone (except for New Zealand model).

8. Plug the modular connector cable (9) into the telephone terminal, and then connect the other end to the separate phone.



If you don't connect the MFP to the separate phone, wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C) upon the customer's request. On 120 V models, be sure that it is not attached over the top of the approval label (10).

Connecter le MFP au téléphone séparé.

8. Brancher le câble du connecteur modulaire (9) à la borne du téléphone, puis connecter l'autre extrémité au téléphone séparé.

Si le MFP n'est pas connecté au téléphone séparé à la demande du client, nettoyer la surface de la borne de téléphone avec de l'alcool et apposer le joint de borne (C). Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (10).

Conecte el MFP al teléfono separado.

8. Enchufe el cable del conector modular (9) en el terminal del teléfono y, a continuación, conecte el otro extremo al teléfono separado.

Si no conecta el MFP a un teléfono separado, limpie la superficie del terminal del teléfono con alcohol y pegue el sello del terminal (C), a solicitud del cliente. En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (10).

Anschließen des MFP an das separate Telefon.

8. Das Telefonmodulkabel (9) in die Telefonbuchse einstecken und das andere Ende an das separate Telefon anschließen.

Wenn der MFP nicht an das separate Telefon angeschlossen wird, die Oberfläche der Telefonbuchse mit Alkohol abwischen und Verschlusskappe (C) einsetzen, falls vom Kunden gewünscht. Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (10) verdeckt.

Collegamento dell'MFP al telefono separato.

8. Inserire il cavo connettore modulare (9) nel terminale del telefono, e quindi collegare l'altro terminale al telefono separato.

Nel caso in cui non si colleghi l'MFP al telefono separato, pulire la superficie del terminale del telefono con dell'alcol e applicare la guarnizione terminale (C) a richiesta del cliente. Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (10).

将 MFP 连接到其它电话

8. 将模块接插件电缆 (9) 插入电话端子, 然后将另一端与其他电话连接。

如果您没有将 MFP 连接至其他电话, 请用酒精擦拭电话端子表面, 并按照客户要求粘上端子密封 (C)。120V 规格在粘贴时注意不要与认可标签 (10) 重叠。

외부 전화와 접속

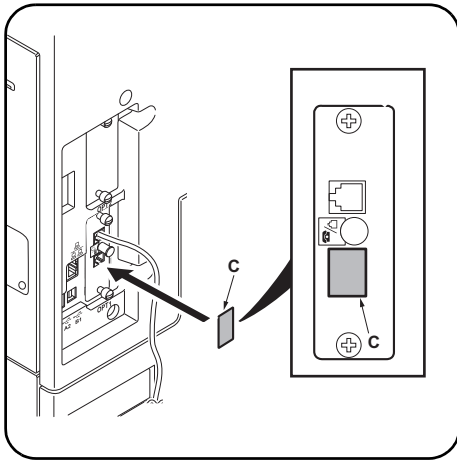
8. 모듈러 코드 (9) 를 TEL 단자에 꼽습니다. 다른 한 쪽의 플러그는 외부 전화와 접속합니다.

외부 전화와 접속하지 않는 경우 고객의 요청에 따라 TEL 단자 주위를 알코올 청소하고 단자씰 (C) 을 붙입니다. 120V 사양은 허가 라벨 (10) 에 겹치지 않도록 붙일 것.

外付け電話との接続

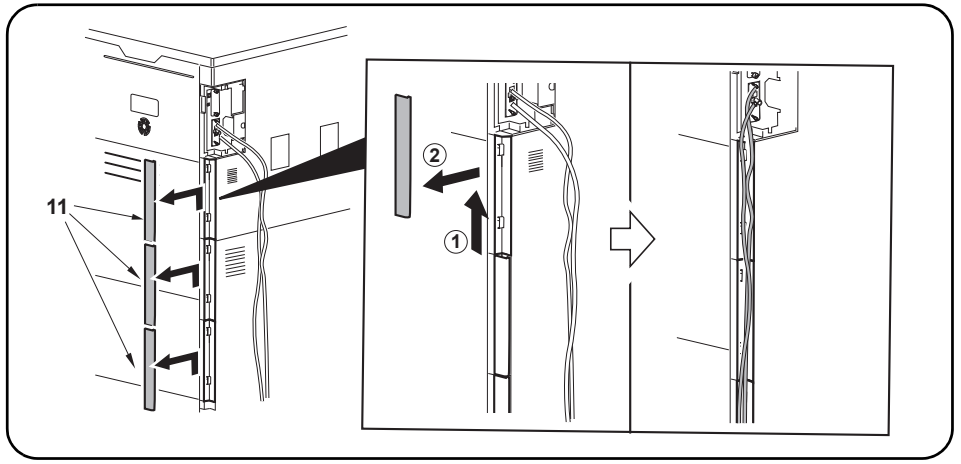
8. モジュラーコード (9) を TEL 端子に差し込む。もう片方のプラグは、外付け電話と接続する。

外付け電話と接続しない場合、お客様の要望により、TEL 端子周囲をアルコール清掃し、端子シール (C) を貼り付ける。120V 仕様は認可ラベル (10) に重ならないように、貼りつけること。



Seal the terminal (for New Zealand model).

9. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).
Perform this procedure for New Zealand model only.



Wiring the modular connector cable (High-speed MFPs only)

10. Remove the covers (11) and run the modular connector cable as shown in the figure.

11. Reinstall the covers (11).

12. Install the cover (4) which was removed in step 4.
* For high-speed MFPs with/without the finisher and for medium-speed MFPs with the finisher installed.

Fermer hermétiquement la borne (modèle pour la Nouvelle-Zélande).

9. Cette étape est superflue.

Câblage du câble à connecteur modulaire (MFP à grande vitesse uniquement)

10. Déposer les couvercles (11) et implanter le câble à connecteur modulaire comme illustré par la figure.

11. Reposer les couvercles (11).

12. Installer le cache (4) qui a été retiré à l'étape 4.
* Pour les imprimantes multifonction à grande vitesse avec/sans module de finition et pour les imprimantes multifonction à vitesse moyenne avec le module de finition installé.

Selle el terminal (para el modelo Nuevo Zelandés).

9. Este paso no es necesario.

Tendido del cable conector modular (Solo para las MFP de alta velocidad)

10. Quite las cubiertas (11) y tienda el cable conector modular como se muestra en la ilustración.

11. Vuelva a instalar las cubiertas (11).

12. Instale la cubierta (4) que se quitó en el paso 4.
* Para los MFP de velocidad alta con/sin finalizador y para los MFP de velocidad media con el finalizador instalado.

Versiegeln der Anschlussbuchse (für Neuseeland-Modell).

9. Dieser Schritt ist nicht erforderlich.

Verlegung des Modularsteckerkabels (Nur MFP der Hochleistungsklasse)

10. Die Abdeckungen (11) entfernen und das Modularsteckerkabel gemäß der Abbildung verlegen.

11. Die Abdeckungen (11) wieder anbringen.

12. Installieren Sie die Abdeckung (4), die in Schritt 4 entfernt wurde.
* Bei schnellen MFPs mit/ohne Finisher oder mittelschnellen MFPs mit installiertem Finisher.

Sigillare il terminale (per il modello Nuova Zelanda).

9. Questo passo non è richiesto.

Cablaggio del cavo connettore modulare (Solo per MFP a velocità alta)

10. Rimuovere i coperchi (11) e far passare il cavo connettore modulare come indicato nella figura.

11. Reinstallare i coperchi (11).

12. Installare il coperchio (4) rimosso al punto 4.
* Per dispositivi MFP di fascia alta con/senza finisher e per dispositivi di fascia media con finisher installato.

安装端子密封 (仅适用于新西兰型号)

9. 不需要本步骤。

电话线的配线 (仅限高速 MFP 时)

10. 拆下盖板 (11)，将电话线如图所示穿过。

11. 安装盖板 (11)。

12. 安装在步骤 4 中取下的盖板 (4)。
※ 对于高速机来说装订器可装可不装，对于中速机来说要安装。

단자실의 부착 (뉴질랜드 사양만)

9. 이 단계가 필요하지 않습니다.

모듈러 코드의 배선 (고속 MFP 의 경우만)

10. 커버 (11) 를 떼어 내고 모듈러 코드를 그림과 같이 지나가게 합니다.

11. 커버 (11) 을 장착합니다.

12. 4 단계에서 분리한 커버 (4) 를 설치합니다.
※ 피니셔 장착 및 비장착의 고속 MFP 및 피니셔 장착 중속 MFP.

端子シールの貼り付け (ニュージーランド仕様のみ)

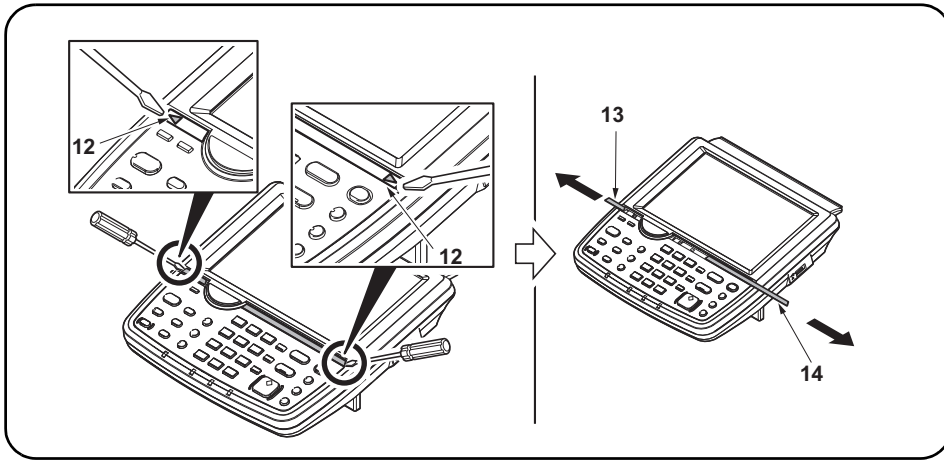
9. この作業は不要。

モジュラーコードの配線 (高速 MFP の場合のみ)

10. カバー (11) を取り外し、モジュラーコードを図のように通す。

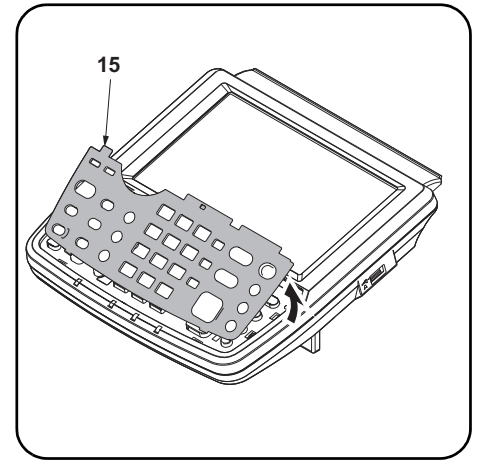
11. カバー (11) を取り付ける。

12. 手順 4 で取り外したカバー (4) を取り付ける。
※ 高速 MFP の場合および中速 MFP にフィニッシャー装着時の場合。



Attach the alphabet labels (excluding 100 V models).

13. Insert a flat-head screwdriver at the tip indicated by the arrows (12) as shown on the left, and slide the operation panel covers (13) (14) to remove them.



14. Remove the clear panel (15).

Apposer les étiquettes de l'alphabet (Sauf sur les modèles 100 V).

13. Insérer un tournevis à lame à l'endroit repéré par les flèches (12) comme illustré ci-contre à gauche et faire glisser les couvercles du panneau de commande (13) (14) pour les déposer.

14. Déposer le panneau transparent (15).

Fije las etiquetas de alfabeto (a excepción de los modelos de 100 V).

13. Inserte un destornillador de pala plana en la punta que indican las flechas (12) como se muestra a la izquierda y deslice las cubiertas del panel de trabajo (13) (14) para quitarlas.

14. Quite el panel transparente (15).

Anbringen der Alphetaufkleber (ausgenommen 100-V-Modelle).

13. Einen flachen Schraubendreher an der links mit Pfeilen (12) bezeichneten Spitze einschieben und die Bedienfeldabdeckungen (13) (14) verschieben, um sie dann abzunehmen.

14. Die durchsichtige Platte (15) entfernen.

Applicare le etichette alfabetiche (esclusi i modelli da 100 V).

13. Inserire un cacciavite a testa piana nel punto indicato dalla freccia (12) come mostrato sulla sinistra, e slittare i coperchi (13) (14) del pannello operativo per rimuoverli.

14. Rimuovere il pannello trasparente (15).

粘貼英文字母标签 (100V 规格以外)

13. 如图所示, 在▲箭头(12)前方插入一字螺丝刀, 滑动并取下操作面板的盖板(13)(14)。

14. 拆下透明面板(15)。

알파벳 라벨의 부착 (100V 사양 이외)

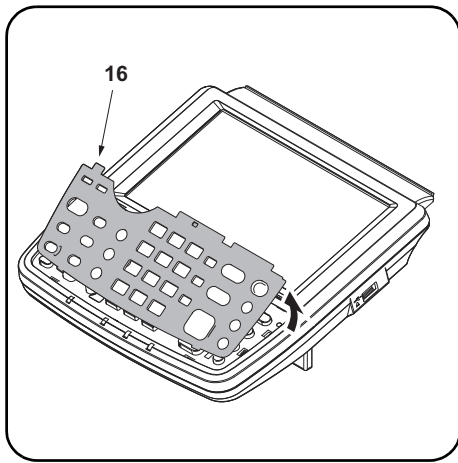
13. 그림과 같이 ▲ 표시 (12) 앞에 마이너스 드라이버를 삽입해 조작 패널의 커버 (13) (14) 를 미끄러트리면서 떼어 냅니다 .

14. 클리어 판넬 (15) 을 제거합니다 .

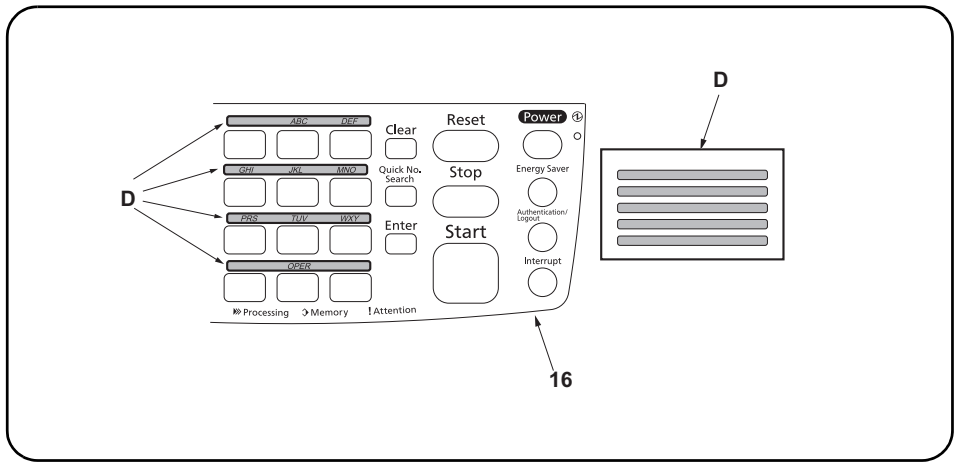
アルファベットラベルの貼り付け (100V仕様以外)

13. この作業は不要。

14. この作業は不要。



15. Remove the operation panel sheet (16).



16. Wipe the area above the numeric keys on the operation panel sheet (16) with alcohol and attach the alphabet labels (D).
In Asia and Oceania, use PQRS TUV WXYZ label, and do not use PRS TUV WXY and OPER labels.

15. Déposer la tôle du panneau de commande (16).

16. Nettoyer à l'alcool la surface au-dessus des touches numériques sur la tôle du panneau de commande (16) et apposer les étiquettes alphabétiques (D).
En Asie et Océanie, utiliser l'étiquette PQRS TUV WXYZ et pas les étiquettes PRS TUV WXY et OPER.

15. Quite la hoja del panel de trabajo (16).

16. Limpie el área sobre las teclas numéricas de la hoja del panel de trabajo (16) con alcohol y fije las etiquetas de alfabeto (D).
En Asia y Oceanía, utilice la etiqueta PQRS TUV WXYZ y no use las PRS TUV WXY ni las OPER.

15. Die Bedienfeldfolie (16) entfernen.

16. Den Bereich über den Zifferntasten an der Bedienfeldfolie (16) mit Alkohol abwischen und die Alphabetaufkleber (D) hier anbringen.
In Asien und Ozeanien den Aufkleber PQRS TUV WXYZ verwenden; nicht die Aufkleber PRS TUV WXY und OPER verwenden.

15. Rimuovere il foglio (16) del pannello operativo.

16. Pulire l'area sopra i tasti numerici sul foglio del pannello operativo (16) con alcool ed applicare le etichette alfabetiche (D).
In Asia ed Oceania, utilizzare l'etichetta PQRS TUV WXYZ e non utilizzare le etichette PRS TUV WXY e OPER.

15. 拆下操作面板页 (16)。

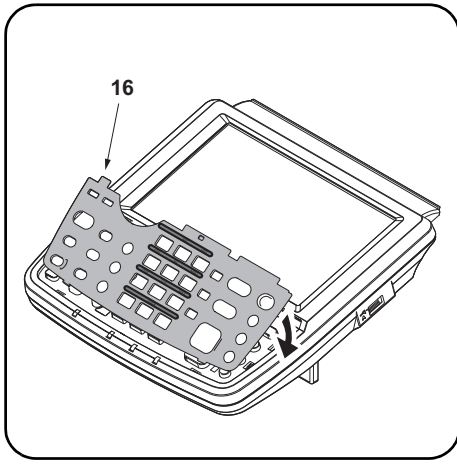
16. 使用酒精清洁操作面板页 (16) 的数字键上部, 粘贴英文字母标签 (D)。
在亚洲和大洋州, 请使用 PQRS TUV WXYZ 标签, 而不要使用 PRS TUV WXY 和 OPER 标签。

15. 조작판넬시트 (16) 를 제거합니다 .

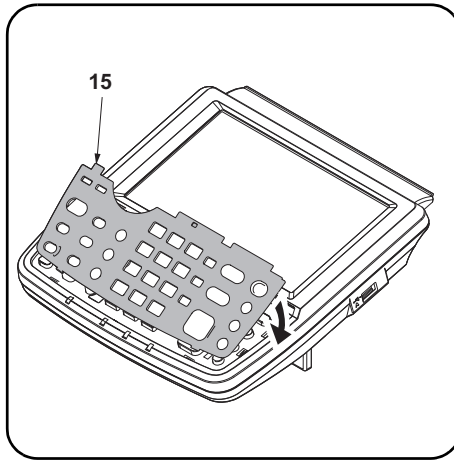
16. 조작판넬시트 (16) 의 텐키 윗측을 알코올 청소하고 알파벳 라벨 (D) 을 붙입니다 .
아시아 오세아니아에서는 「PRS TUV WXY」 및 「OPER」 라벨을 사용하지 말고 「PQRS TUV WXYZ」의 라벨을 사용할 것 .

15. この作業は不要。

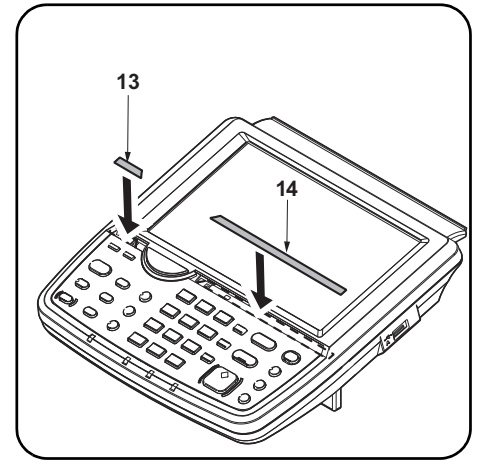
16. この作業は不要。



17. Attach the operation panel sheet (16).



18. Reinstall the clear panel (15).



19. Reinstall the operation panel covers (13) (14).

17. Fixer la tôle du panneau de commande (16).

18. Reposer le panneau transparent (15).

19. Reposer les couvercles du panneau de commande (13) (14).

17. Fije la hoja del panel de trabajo (16).

18. Vuelva a instalar el panel transparente (15).

19. Vuelva a instalar las cubiertas del panel de trabajo (13) (14).

17. Die Bedienfeldfolie (16) anbringen.

18. Die durchsichtige Platte (15) wieder anbringen.

19. Die Bedienfeldabdeckungen (13) (14) wieder anbringen.

17. Applicare il foglio del pannello operativo (16).

18. Reinstallare il pannello trasparente (15).

19. Reinstallare i coperchi (13) (14) del pannello operativo.

17. 安装操作面板页 (16)。

18. 安装透明面板 (15)。

19. 安装操作面板的盖板 (13) (14)。

17. 조작판넬시트 (16) 를 붙입니다 .

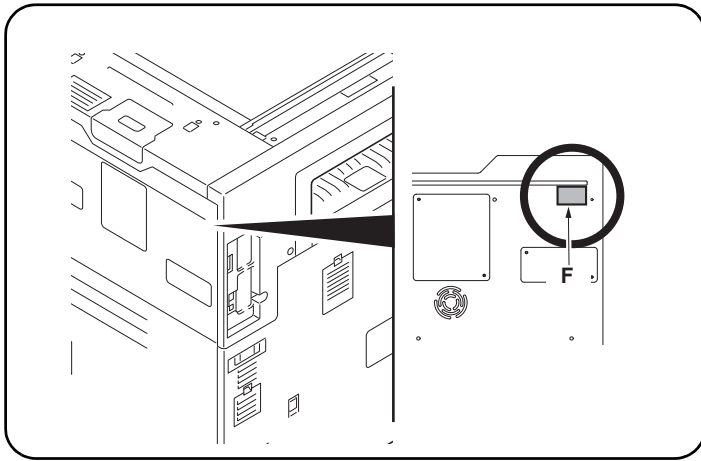
18. 클리어판넬 (15) 를 부착합니다 .

19. 조작판넬 커버 (13) (14) 을 부착합니다 .

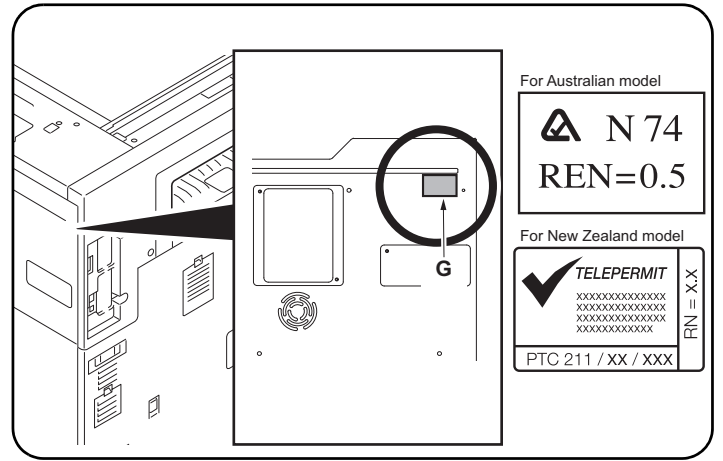
17. この作業は不要。

18. この作業は不要。

19. この作業は不要。



Attach the PTT label (for China, 110 V models only).
 20. Attach the PTT label (F) after wiping with alcohol.



Attach the approval label (for Australian/New Zealand model only).
 21. Attach the approval label (G) after wiping with alcohol.
 Perform this procedure for Australian/New Zealand model only.

Fixer l'étiquette d'approbation (pour la Chine, modèles 110 V seulement).
 20. Cette étape est superflue.

Fixer l'étiquette d'approbation (modèle pour l'Australie/Nouvelle-Zélande seulement).
 21. Cette étape est superflue.

Coloque la etiqueta de aprobación (para China, solo para los modelos de 110 V).
 20. Este paso no es necesario.

Coloque la etiqueta de aprobación (sólo para los modelos Australiano/Nuevo Zelandés)
 21. Este paso no es necesario

Den Genehmigungsaufkleber anbringen (für China nur 110-V-Modelle).
 20. Dieser Schritt ist nicht erforderlich.

Den Genehmigungsaufkleber anbringen (nur für Australien/Neuseeland-Modell).
 21. Dieser Schritt ist nicht erforderlich.

Applicare l'etichetta di approvazione (per Cina, solo per i modelli da 110 V).
 20. Questo passo non è richiesto.

Applicare l'etichetta di approvazione (solo per il modello Australia/ Nuova Zelanda).
 21. Questo passo non è richiesto.

粘貼規格标签 (仅限中国、110V 规格)
 20. 用酒精清洁后, 请在如图所示的位置贴上规格标签 (F)。

粘貼規格标签 (仅适用于澳大利亚 / 新西兰型号)
 21. 不需要本步骤。

규격라벨의 부착 (중국, 110V 사양만)
 20. 이 단계가 필요하지 않습니다.

규격라벨의 부착 (오스트레일리아 / 뉴질랜드 사양만)
 21. 이 단계가 필요하지 않습니다.

規格ラベルの貼り付け (中国、110V 仕様のみ)
 20. この作業は不要。

規格ラベルの貼り付け (オーストラリア / ニュージーランド仕様のみ)
 21. この作業は不要。

Initialize the FAX circuit board.

- 1.Plug the MFP into a power outlet, and turn on the main power.
- 2.Perform the maintenance mode U600 to initialize the FAX PWBs

Initialiser la carte à circuits FAX.

- 1.Brancher le MFP sur une prise d'alimentation et le mettre sous tension.
- 2.Exécuter le mode maintenance U600 pour initialiser les cartes de circuit imprimé du fax .

Inicialice la tarjeta de circuitos FAX.

- 1.Conecte el MFP a un receptáculo de pared y encienda el interruptor principal.
- 2.Ejecute el modo de mantenimiento U600 para inicializar los FAX PWB.

Initialisieren der FAX-Leiterplatte.

- 1.Netzstecker des MFP in eine Steckdose stecken und Hauptschalter einschalten.
- 2.Führen Sie den Wartungsmodus U600 aus, um die FAX-Karte zu initialisieren.

Inizializzare la scheda a circuiti FAX.

- 1.Collegare l'MFP ad una presa di corrente e portare l'interruttore principale su On.
- 2.Eeguire il modo manutenzione U600 per inizializzare le schede PWB FAX.

传真电话板的初始化

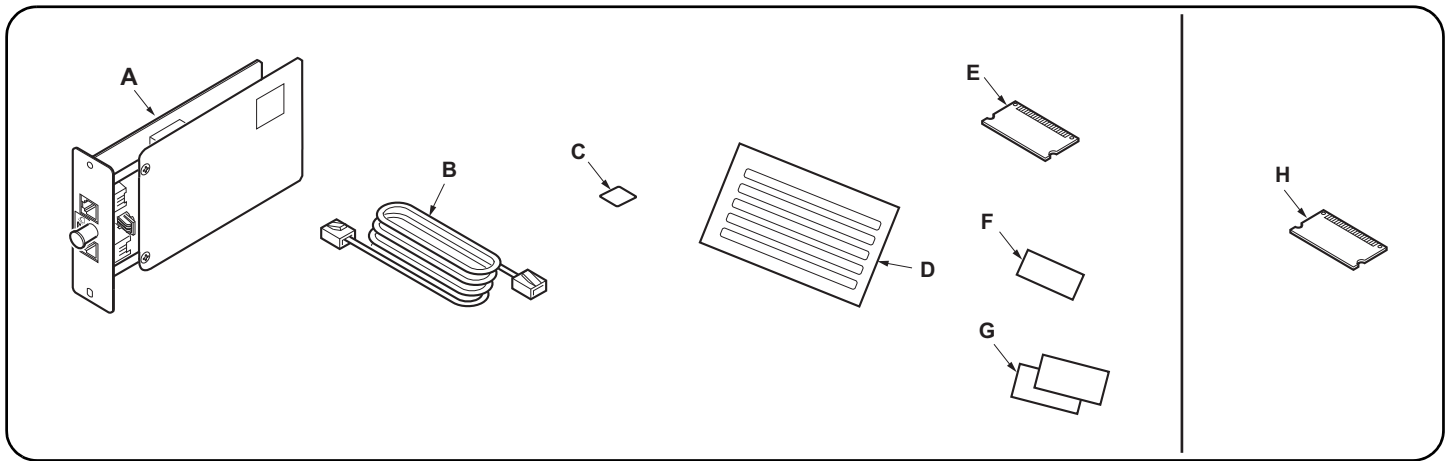
1. 将 MFP 插入电源插座, 打开主电源。
2. 执行维修保养模式 U600, 初始化传真电路板。

FAX 기판의 초기화

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 한다 .
2. 메인テナンス 모드 U600 을 수행하여 FAX 기판을 초기화합니다 .

FAX 基板の初期化

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. メンテナンスモード U600 を実行し、FAX 基板を初期化する。



When installing the multiport on a machine (A) which has the 'Home' key in the operation panel

Supplied parts

- A. FAX circuit board 1
- B. Modular connector cable
(120 V/Australian model only)
PJJWC0016Z (UL Listed.HUAN HSIN
Type TL:120 V only) 1

- C. Terminal seal..... 1
- D. Alphabet label 1
- E. Memory DIMM (16 MB) 1
- F. PTT label (110V model only) 1
- G. Approval label
(Australian/New Zealand models only)..... 2

Option

- H. Memory DIMM (128 MB) 1
- (D), (E), (F), (G) and (H) are not used.

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Lors de l'installation du port multiple sur une machine (A) disposant de la touche 'Accueil' sur le panneau de commande

Pièces fournies

- A. Carte à circuits FAX..... 1
- B. Câble du connecteur modulaire (modèles
pour l'Australie/120 V seulement)..... 1
- C. Joint de borne..... 1
- D. Etiquette de l'alphabet..... 1

- E. Mémoire DIMM (16 MB) 1
 - Option**
 - H. Mémoire DIMM (128 MB) 1
- (F) et (G) ne sont pas fournis.
(D), (E) et (H) ne sont pas utilisés.

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Al instalar un puerto múltiple en una máquina (A) que dispone de la tecla 'Inicio' en el panel de controles

Partes suministradas

- A. Tarjeta de circuitos de fax..... 1
- B. Cable conector modular (sólo para
modelos de 120 V/Australianos)..... 1
- C. Sello del terminal..... 1
- D. Etiqueta de alfabeto..... 1

- E. Memoria DIMM (16 MB) 1
 - Opción**
 - H. Memoria DIMM (128 MB) 1
- (F) y (G) no se suministran.
(D), (E) y (H) no se utilizan.

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

Bei Installation einer zweiten Leitung in einem Gerät (A), das über die Taste 'Startseite' im Bedienfeld verfügt

Enthaltene Teile

- A. FAX-Leiterplatte..... 1
- C. Verschlusskappe 1
- D. Alphabetaufkleber..... 1
- E. Speicher-DIMM (16 MB)..... 1

- Option**
 - H. Speicher-DIMM (128 MB) 1
- (B), (F) und (G) liegen nicht bei.
(D), (E) und (H) werden nicht benötigt.

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

Per l'installazione di una porta multipla su una macchina (A) dotata di tasto 'Home' sul pannello comandi

Parti fornite

- A. Scheda a circuiti FAX 1
- C. Guarnizione terminale 1
- D. Etichetta alfabetica 1
- E. Memoria DIMM (16 MB) 1

- Opzioni**
 - H. Memoria DIMM (128 MB) 1
- (B), (F) e (G) non sono in dotazione.
(D), (E) e (H) non sono utilizzati.

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

当安装双路传真系统到那些操作面板上有 '主界面' 按键的机器 (A) 时

附属品

- A. 传真电路板..... 1
- B. 电话线..... 1
- C. 端子密封..... 1
- D. 英文字母标签..... 1
- E. 内存模组 DIMM (16MB) 1

- F. 规格标签 1
 - 选购件**
 - H. 内存模组 DIMM (128MB) 1
- (G) 并非附属品。

不使用 (D), (E), 和 (H)。

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

조작판넬에 '홈' 키가 있는 본체 (A) 에 다중 포트를 설치하는

동봉품

- A. FAX 기관 1
- C. 단자씰 1
- D. 알파벳 라벨..... 1
- E. 메모리 DIMM (16MB) 1

- 옵션**
 - H. 메모리 DIMM (128MB) 1
- (B), (F), (G) 는 동봉되어 있지 않습니다.
(D), (E), (H) 는 사용되지 않습니다.

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.

操作パネルに 'ホーム' キーがある機械 (A) にマルチポートを設置する場合

同梱品

- A. FAX 基板 1
- B. モジュラーコード..... 1
- C. 端子シール..... 1
- E. メモリーDIMM(16MB)..... 1

- オプション**
 - H. メモリーDIMM(128MB) 1
- (D), (F), (G) は、同梱されていない。
(E), (H) は、使用しない。

同梱品に固定テープ、緩衝材が付いている場合は必ず取り外すこと。

NOTICE

References to medium-speed MFPs in this document denote 30/30, 35/35, 45/45 and 55/50 ppm color machines, and 35, 45 and 55 ppm monochrome machines.

References to high-speed MFPs in this document denote 65/65 and 75/70 ppm color machines, and 65 and 80 ppm monochrome machines.

(The generic procedure figures in this document show medium-speed MFPs.)

If the finisher is already installed, remove the finisher before installing FAX System(W).

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

REMARQUE

Dans le présent document, les références aux MFP à vitesse moyenne renvoient aux machines couleurs 30/30, 35/35, 45/45 et 55/50 ppm et aux machines monochromes 35, 45 et 55 ppm.

Dans le présent document, les références aux MFP à grande vitesse renvoient aux machines couleurs 65/65 et 75/70 ppm et aux machines monochromes 65 et 80 ppm. (Dans ce document, les chiffres des processus génériques renvoient aux MFP à vitesse moyenne.)

Si le retoucheur est déjà en place, le déposer avant de monter le FAX System(W).

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

AVISO

Las referencias a las MFP de velocidad media de este documento corresponden a las máquinas a color de 30/30, 35/35, 45/45 y 55/50 ppm y a las máquinas monocromáticas de 35, 45 y 55 ppm.

Las referencias a las MFP de alta velocidad de este documento corresponden a las máquinas a color de 65/65 y 75/70 ppm y a las máquinas monocromáticas de 65 y 80 ppm. (Las ilustraciones de procedimientos genéricos de este documento muestran las MFP de velocidad media.)

Si el finalizador ya se encuentra instalado, desmóntelo antes de instalar el FAX System(W).

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

ANMERKUNG

Angaben für MFP der mittleren Leistungsklasse in dieser Anleitung gelten für die 30/30, 35/35, 45/45 und 55/50 ppm Vollfarbenkopierer sowie für die 35, 45 und 55 ppm Monochrommaschinen.

Angaben für MFP der Hochleistungsklasse in dieser Anleitung gelten für die 65/65 und 75/70 ppm Vollfarbenkopierer sowie für die 65 und 80 ppm Monochrommaschinen. (Die Abbildungen der allgemeinen Prozeduren zeigen MFP der mittleren Leistungsklasse.)

Falls der Finisher schon installiert ist, müssen Sie ihn ausbauen, bevor Sie das FAX System(W) installieren.

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

AVVISO

I riferimenti per le MFP a velocità media riportati in questo documento indicano le macchine a colori 30/30, 35/35, 45/45 e 55/50 ppm, e le macchine monocromatiche 35, 45 e 55 ppm.

I riferimenti per le MFP a velocità alta riportati in questo documento indicano le macchine a colori 65/65 e 75/70 ppm, e le macchine monocromatiche 65 e 80 ppm. (Le figure della procedura generica riportate in questo documento mostrano le MFP a velocità media.)

Se la finitrice è già installata, rimuovere la finitrice prima di installare il FAX System(W).

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

注意

本文中の中速 MFP 代表彩色 30/30 页机型、35/35 页机型、45/45 页机型、55/50 页机型、黑白 35 页机型、45 页机型、55 页机型。

本文中的高速 MFP 代表彩色 65/65 页机型、75/70 页机型、黑白 65 页机型、80 页机型。(本文中的通用步骤的插图为中速 MFP。)

已安装装订器时，必须先拆下装订器再安装 FAX System(W)。

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

주의

본문 중 중속 MFP 는 컬러 30/30 매기, 35/35 매기, 45/45 매기, 55/50 매기, 흑백 35 매기, 45 매기, 55 매기를 나타냅니다.

본문 중 고속 MFP 는 컬러 65/65 매기, 75/70 매기, 흑백 65 매기, 80 매기를 나타냅니다. (본문 중 공통 순서 일러스트는 중속 MFP 로 한다.)

피니셔가 이미 장착되어 있는 경우에는 피니셔를 제거하고 FAX System(W) 를 설치할 것.

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오.

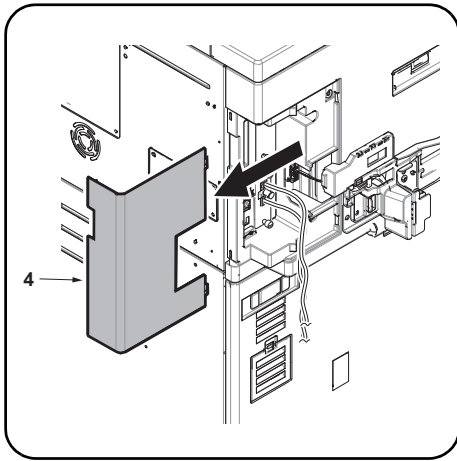
注意

本文中の中速 MFP はカラー機の 30/30 枚機、35/35 枚機、45/45 枚機、55/50 枚機、モノクロ機の 35 枚機、45 枚機、55 枚機を表す。

本文中の高速 MFP はカラー機の 65/65 枚機、75/70 枚機、モノクロ機の 65 枚機、80 枚機を表す。(本文中の共通手順イラストは中速 MFP とする。)

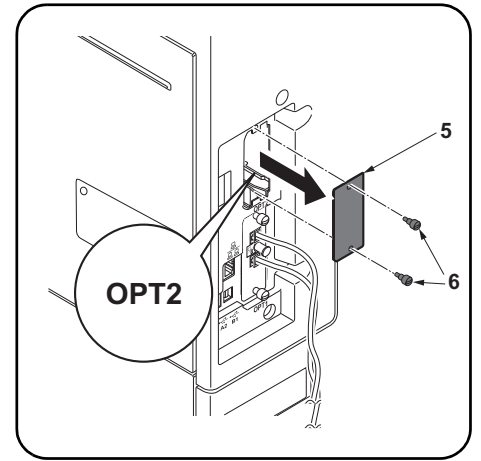
フィニッシャーがすでに装着されている場合は、フィニッシャーを取り外してから、FAX System(W) を取り付けること。

必ず機械本体の主電源スイッチを OFF にし、機械本体の電源プラグを抜いてから作業すること。



Procedure
Removing the slot cover

1. Remove the cover (4).
 - * For high-speed MFPs with/without the finisher and for medium-speed MFPs with the finisher installed.
 - * This work is not required if a multiport is installed along with the fax system (OPT1).



2. Remove 2 screws (6) and then remove the OPT2 slot cover (5).

Procédure
Dépose du couvercle de la fente

1. Déposer le couvercle (4).
 - * Pour les imprimantes multifonction à grande vitesse avec/sans module de finition et pour les imprimantes multifonction à vitesse moyenne avec le module de finition installé.
 - * Cette opération n'est pas nécessaire si un port multiple est installé avec le fax (OPT1).

2. Déposer les 2 vis (6) puis le couvercle de la fente OPT2 (5).

Procedimiento
Desmontaje de la cubierta de la ranura

1. Quite la cubierta (4).
 - * Para los MFP de velocidad alta con/sin finalizador y para los MFP de velocidad media con el finalizador instalado.
 - * Esto no es necesario realizarlo si hay instalado un puerto múltiple con el sistema de fax (OPT1).

2. Quite 2 tornillos (6) y, después, quite la cubierta de la ranura OPT2 (5).

Vorgehensweise
Entfernen der Einschubabdeckung

1. Die Abdeckung (4) entfernen.
 - * Bei schnellen MFPs mit/ohne Finisher oder mittelschnellen MFPs mit installiertem Finisher.
 - * Dies ist nicht nötig, wenn eine zweite Leitung zusammen mit dem FAX-System (OPT1) installiert ist.

- 2.2 Schrauben (6) entfernen und dann die Abdeckung (5) des Einschubs OPT2 entfernen.

Procedura
Rimozione del coperchio vano

1. Rimuovere il coperchio (4).
 - * Per dispositivi MFP di fascia alta con/senza finisher e per dispositivi di fascia media con finisher installato.
 - * Questa operazione non è richiesta quando con il modulo fax (OPT1) viene installata una porta multipla.

2. Rimuovere le 2 viti (6) e quindi rimuovere il coperchio (5) del vano OPT2.

安装步骤
拆下插槽盖板

1. 拆下盖板 (4)。
 - ※ 对于高速机来说装订器可装可不装，对于中速机来说要安装。
 - ※ 双路传真系统和传真系统 (OPT1) 同时安装时，不需要此步骤。

2. 拆除 2 颗螺丝 (6)，拆下 OPT2 的插槽盖板 (5)。

설치순서
슬롯커버 제거

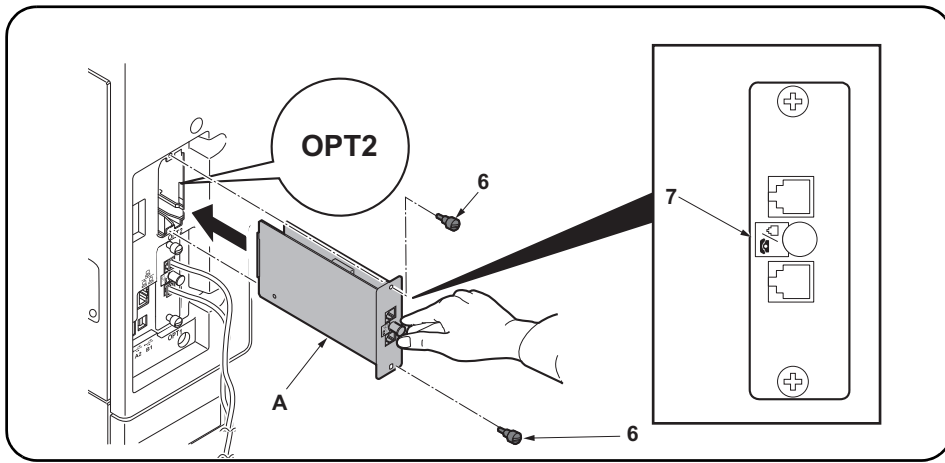
1. 커버 (4) 를 제거합니다 .
 - ※ 피닛서 장착 및 비장착의 고속 MFP 및 피닛서 장착 중속 MFP.
 - ※ 이 작업은 다중 포트가 팩스 시스템 (OPT1) 과 함께 설치되어 있는 경우에는 필요하지 않습니다 .

2. 나사 (6) 2 개를 제거하고 OPT2 의 슬롯커버 (5) 를 제거합니다 .

取付手順
スロットカバーの取り外し

1. カバー (4) を取り外す。
 - ※ 高速 MFP の場合および中速 MFP にフィニッシャー装着時の場合
 - ※ ファクスシステム (OPT1) と同時にマルチポートを設置する場合この作業は不要。

2. ビス (6) 2 本を外し、OPT2 のスロットカバー (5) を取り外す。



Install the FAX circuit board.

3. Insert the FAX circuit board (A) along the groove in OPT2 and secure the board with two screws (6) that have been removed in step 2.
Do not directly touch the FAX circuit board (A) terminal.
Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).
Direct the label (7) on to the FAX circuit board (A) toward left side and insert the board along the groove.

Installer la carte à circuits FAX.

3. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT2 et la fixer à l'aide des deux vis (6) retirées à l'étape 2.
Ne pas toucher directement la borne de la carte à circuits FAX (A).
Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A).
Orienter l'étiquette (7) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de FAX.

3. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT2 y asegúrela con los dos tornillos (6) que ha quitado en el paso 2.
No toque directamente el terminal de la tarjeta de circuitos del FAX (A).
Sujete las partes superior e inferior de la tarjeta de circuitos de FAX o la saliente de la tarjeta para insertar la tarjeta de circuitos de FAX (A).
Oriente la etiqueta (7) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

3. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT2 einsetzen und Leiterplatte mit den in Schritt 2 ausgebauten Schrauben (6) befestigen.
Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern.
Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.
Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (7) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

3. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT2 e fissare la scheda con le due viti (6) rimosse nell'operazione 2.
Non toccare direttamente il terminale della scheda a circuiti FAX (A),
Per inserire il circuito FAX (A), tenere l'estremità superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX.
Orientare l'etichetta (7) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

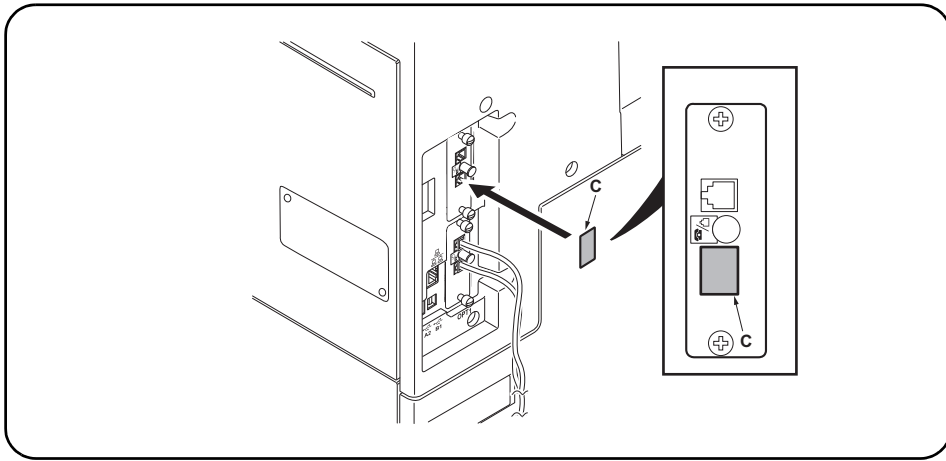
3. 沿着 OPT2 的沟槽插入传真电路板 (A) 并用步骤 2 中拆下的两颗螺钉 (6) 固定电路板。
请勿直接接触传真电路板 (A) 端子。
按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。
将传真电路板 (A) 上的标签 (7) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

3. OPT2 의 도랑에 따라 FAX 기판 (A) 를 삽입하고 순서 2 에서 제거한 나사 (6) 2 개로 고정합니다.
FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것.
FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것.
FAX 기판 (A) 을 붙여진 라벨 (7) 그림 표기 방향대로 되도록 삽입할 것.

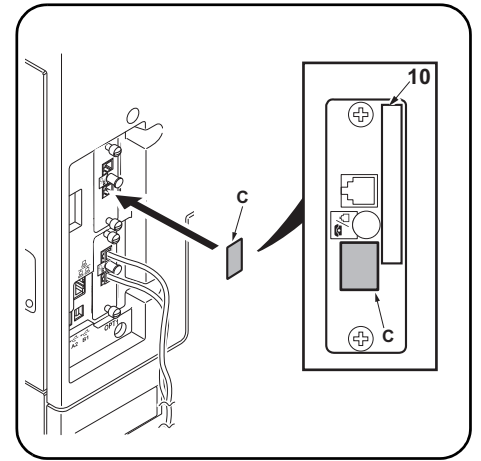
FAX 基板の取り付け

3. OPT2 の溝に沿って FAX 基板 (A) を挿入し、手順 2 で外したビス (6) 2 本で固定する。
FAX 基板 (A) の端子に直接触れないこと。
FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。
FAX 基板 (A) は、貼り付けられているラベル (7) が図に示す方向になるように、挿入すること。



Seal the terminal.

4. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).
The telephone terminal on the FAX circuit board installed to OPT2 is unavailable (invalid). Seal the terminal securely to prevent a user from connecting a separate phone.



On 120 V models, be sure that it is not attached over the top of the approval label (10).

Fermer hermétiquement la borne.

4. Nettoyer la surface de la borne de téléphone avec de l'alcool, et apposer le joint de borne (C).
La borne de téléphone de la carte à circuits FAX installée sur l'OPT2 n'est pas utilisable (invalide). Fermer hermétiquement la borne pour empêcher tout utilisateur de connecter un téléphone séparé.

Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (10).

Selle el terminal.

4. Limpie la superficie del terminal de teléfono con alcohol y pegue el sello de terminal (C).
El terminal de teléfono de la tarjeta de circuitos de FAX instalado en el OPT2 no está disponible (inválido). Selle firmemente el terminal para evitar que un usuario conecte un teléfono por separado.

En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (10).

Versiegeln der Anschlussbuchse.

4. Die Oberfläche der Telefonanschlussbuchse mit Alkohol abwischen und die Verschlusskappe (C) anbringen.
Die Telefonanschlussbuchse der in OPT2 installierten FAX-Leiterplatte ist nicht verfügbar (ungültig). Die Anschlussbuchse vollkommen versiegeln, um den Anschluss eines separaten Telefons zu verhindern.

Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (10) verdeckt.

Sigillare il terminale.

4. Pulire la superficie del terminale del telefono con alcol e fare aderire la guarnizione terminale (C).
Il terminale del telefono sulla scheda a circuiti FAX installata su OPT2 non è disponibile (invalido). Sigillare il terminale saldamente per prevenire a un utente di collegare un telefono separato.

Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (10).

安装端子密封

4. 用酒精擦拭电话端子表面并粘上端子密封 (C)。
安装在 OPT2 上的传真电路板的电话端子不可使用 (无效)。为了避免用户错误与其它电话连接, 必须确实粘贴好端子密封。

120V 规格在粘贴时注意不要与认可标签 (10) 重叠。

단자씰의 부착

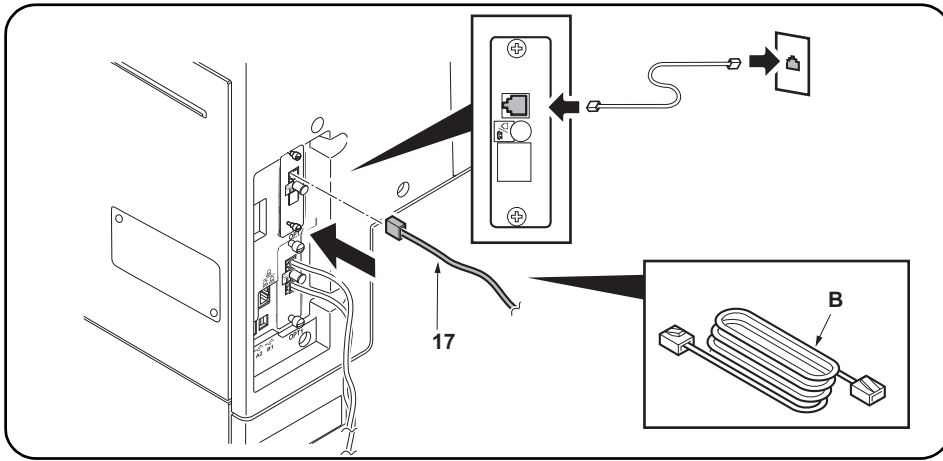
4. TEL 단자주위를 알코올청소하고 단자씰 (C) 을 부착합니다.
OPT2 에 부착한 FAX 기판의 TEL 단자는 사용불가 (무효) 가 됩니다. 사용자가 잘못해 외부 전화를 접속하지 않도록 확실히 부착할 것.

120V 사양은 허가 라벨 (10) 에 겹치지 않도록 붙일 것.

端子シールの貼り付け

4. TEL 端子周囲をアルコール清掃し、端子シール (C) を貼り付ける。
OPT2 に取り付けした FAX 基板の TEL 端子は使用不可 (無効) となる。ユーザーが誤って外付け電話を接続しないよう確実に貼り付けること。

120V 仕様は認可ラベル (10) に重ならないように、貼り付けること。



Connect the MFP to the telephone line.

5. Plug the modular connector cable (17) into the line terminal, and then connect the other end to the telephone line.

For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

5. Brancher le câble du connecteur modulaire (17) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.

Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

5. Enchufe el cable del conector modular (17) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.

Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

5. Telefonmodulkabel (17) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.

Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

5. Inserire il cavo connettore modulare (17) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.

Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

5. 将模块接插件电缆 (17) 插入电话线端子, 然后将另一端与电话线连接。

对于 100V/120V/ 澳大利亚或中国机型, 请使用随附的模块接插件电缆 (B)。

전화회선과의 접속

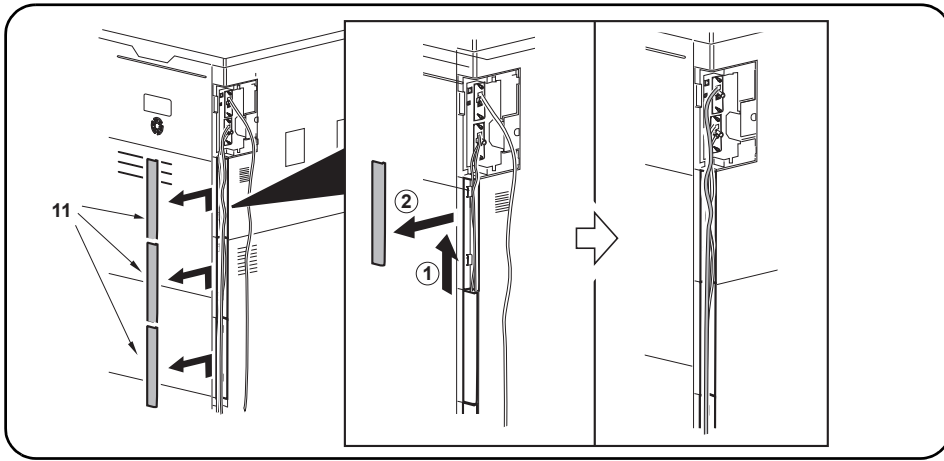
5. 모듈러 코드 (17) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.

100V/120V/ 오스트레일리아 / 중국사양은 부속 모듈코드 (B) 를 사용할 것.

電話回線との接続

5. モジュラーコード (17) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。

100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。



**Wiring the modular connector cable
(High-speed MFPs only)**

6. Remove the covers (11) and run the modular connector cable as shown in the figure.
*Run it by binding with the modular cords from the Fax System (OPT1).

7. Reinstall the covers (11).

8. Install the cover (4) which was removed in step 1.
* For high-speed MFPs with/without the finisher and for medium-speed MFPs with the finisher installed.

**Câblage du câble à connecteur modulaire
(MFP à grande vitesse uniquement)**

6. Déposer les couvercles (11) et implanter le câble à connecteur modulaire comme illustré par la figure.
*Le faire passer avec les cordons modulaires du fax (OPT1).

7. Reposer les couvercles (11).

8. Installer le cache (4) qui a été retiré à l'étape 1.
* Pour les imprimantes multifonction à grande vitesse avec/sans module de finition et pour les imprimantes multifonction à vitesse moyenne avec le module de finition installé.

**Tendido del cable conector modular
(Solo para las MFP de alta velocidad)**

6. Quite las cubiertas (11) y tienda el cable conector modular como se muestra en la ilustración.
* Tiéndalo uniéndolo con los cables modulares del sistema de fax (OPT1).

7. Vuelva a instalar las cubiertas (11).

8. Instale la cubierta (4) que se quitó en el paso 1.
* Para los MFP de velocidad alta con/sin finalizador y para los MFP de velocidad media con el finalizador instalado.

**Verlegung des Modularsteckerkabels
(Nur MFP der Hochleistungsklasse)**

6. Die Abdeckungen (11) entfernen und das Modularsteckerkabel gemäß der Abbildung verlegen.
*Führen Sie es zusammen mit dem Kabel des FAX-Systems (OPT1).

7. Die Abdeckungen (11) wieder anbringen.

8. Installieren Sie die Abdeckung (4), die in Schritt 1 entfernt wurde.
* Bei schnellen MFPs mit/ohne Finisher oder mittelschnellen MFPs mit installiertem Finisher.

**Cablaggio del cavo connettore modulare
(Solo per MFP a velocità alta)**

6. Rimuovere i coperchi (11) e far passare il cavo connettore modulare come indicato nella figura.
*Infilarlo collegandolo ai cavi modulari del modulo fax (OPT1).

7. Reinstallare i coperchi (11).

8. Installare il coperchio (4) rimosso al punto 1.
* Per dispositivi MFP di fascia alta con/senza finisher e per dispositivi di fascia media con finisher installato.

电话线的配线 (仅限高速 MFP 时)

6. 拆下盖板 (11), 将电话线如图所示穿过。
* 将传真系统 (OPT1) 的连接线整理成束。

7. 安装盖板 (11)。

8. 安装在步骤 1 中取下的盖板 (4)。
* 对于高速机来说装订器可装可不装, 对于中速机来说要安装。

모듈러 코드의 배선 (고속 MFP 의 경우만)

6. 커버 (11) 를 떼어 내고 모듈러 코드를 그림과 같이 지나가게 합니다.
* 팩스 시스템 (OPT1) 의 모듈러 코드와 묶어서 실행합니다.

7. 커버 (11) 을 장착합니다.

8. 1 단계에서 분리한 커버 (4) 를 설치합니다.
* 피니셔 장착 및 비장착의 고속 MFP 및 피니셔 장착 중속 MFP.

モジュラーコードの配線 (高速 MFP の場合のみ)

6. カバー (11) を取り外し、モジュラーコードを図のように通す。
* ファクスシステム (OPT1) のモジュラーコードと束ねて通す。

7. カバー (11) を取り付ける。

8. 手順 1 で取り外したカバー (4) を取り付ける。
* 高速 MFP の場合および中速 MFP にフィニッシャー装着時の場合。

Initialize the FAX circuit board.

1. Plug the MFP into a power outlet, and turn on the main power.
2. If the FAX PWBs were installed simultaneously to OPT1 and OPT2 (all Fax PWBs are initialized), perform the maintenance mode U600 to initialize the FAX PWBs.

3. If the FAX circuit board has been added to OPT2 (to initialize the FAX circuit board in OPT2)
Initialize OPT2 by pressing [PORT2], and the Start key in this order in the maintenance mode U698 and executing the maintenance mode U600. If [ALL] is selected in U698, both OPT1 and OPT2 are initialized.
For details, see the service manual.

Initialiser la carte à circuits FAX.

1. Brancher le MFP sur une prise d'alimentation et le mettre sous tension.
2. Si les cartes de circuit imprimé du fax ont été installées en même temps que OPT1 et OPT2 (toutes les cartes de circuit imprimé du fax sont initialisées), exécuter le mode maintenance U600 pour initialiser les cartes de circuit imprimé du fax.

3. Si la carte à circuits FAX a été ajoutée à l'OPT2 (pour initialiser la carte à circuits FAX dans l'OPT2)
Initialiser l'OPT2 en appuyant sur [PORT2] et la touche Départ dans cet ordre en mode de maintenance U698, et exécuter le mode de maintenance U600. Si [ALL] est sélectionné dans U698, l'OPT1 et l'OPT2 sont tous deux initialisés. Pour plus de détails, se reporter au manuel d'entretien.

Inicialice la tarjeta de circuitos FAX.

1. Conecte el MFP a un receptáculo de pared y encienda el interruptor principal.
2. Si se instalaron FAX PWB simultáneamente a OPT1 y OPT2 (se inicializan todos los FAX PWB), ejecute el modo de mantenimiento U600 para inicializar los FAX PWB.

3. Si la tarjeta de circuitos de FAX se agregó a OPT2 (para inicializar la tarjeta de circuitos de FAX en OPT2)
Inicialice el OPT2 presionando [PORT2] y la tecla de Inicio en ese orden en el modo de mantenimiento U698 y ejecutando el modo de mantenimiento U600. Si se selecciona [ALL] en U698, se inicializan ambos OPT1 y OPT2. Para más detalles, lea el manual de servicio.

Initialisieren der FAX-Leiterplatte.

1. Netzstecker des MFP in eine Steckdose stecken und Hauptschalter einschalten.
2. Falls die FAX-Karten gleichzeitig in OPT1 und OPT2 installiert werden (alle FAX-Karten werden initialisiert), führen Sie den Wartungsmodus U600 aus, um die FAX-Karten zu initialisieren.

3. Wenn die FAX-Leiterplatte zu OPT2 hinzugefügt worden ist (um die FAX-Leiterplatte in OPT2 zu initialisieren)
OPT2 initialisieren. Dazu [PORT2] und die Start-Taste im Wartungsmodus U698 in dieser Reihenfolge drücken und den Wartungsmodus U600 ausführen. Wenn [ALL] in U698 gewählt wird, werden OPT1 und OPT2 initialisiert. Weitere Einzelheiten siehe Wartungsanleitung.

Inizializzare la scheda a circuiti FAX.

1. Collegare l'MFP ad una presa di corrente e portare l'interruttore principale su On.
2. Se sono state installate simultaneamente le schede FAX PWB su OPT1 e OPT2 (tutte le schede FAX PWB sono inizializzate), eseguire il modo manutenzione U600 per inizializzare le schede FAX PWB.

3. Se la scheda a circuiti è stata aggiunta all'OPT2 (per inizializzare la scheda a circuiti FAX nell'OPT2)
Inizializzare OPT2 premendo [PORT2] e il tasto Avvio in questo ordine nel modo di manutenzione U698 ed eseguendo il modo di manutenzione U600. Se viene selezionato [ALL] nel modo U698, entrambi OPT1 e OPT2 sono inizializzati. Per ulteriori dettagli leggere il manuale d'istruzioni.

传真电话板的初始化

1. 将 MFP 插入电源插座，打开主电源。
2. 当把传真电路板同时安装到 OPT1 和 OPT2 时（全部的传真电路板初始化），执行维修保养模式 U600，初始化传真电路板。

3. 在 OPT2 上增设时
(OPT2 的传真电路板初始化)
只进行 OPT2 初始化时，在维修保养模式 U698 状态下，按顺序按下“PORT2”、开始键，执行维修保养模式 U600。
在 U698 状态下设定“ALL”时，会使 OPT1 和 OPT2 均初始化。
有关详细信息，请参见维修手册。

FAX 기판의 초기화

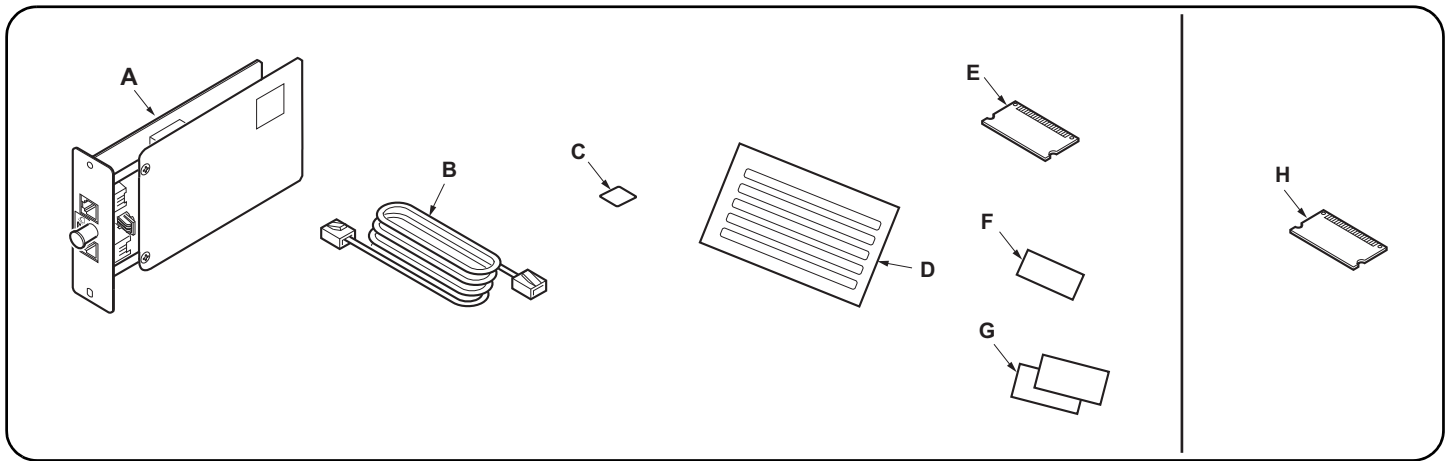
1. MFP 본체 전원플러그를 콘센트에 꼽고 주 전원 스위치를 ON 으로 한다.
2. OPT1 과 OPT2 에 FAX 기판을 동시에 설치한 경우 (모든 FAX 기판이 초기화됨), 메인터넌스 모드 U600 을 수행하여 FAX 기판을 초기화합니다.

3. OPT2 에 증설한 경우 (OPT2 의 FAX 기판을 초기화)
메인터넌스모드 U698 에서 「PORT2」, 시작키 순으로 누릅니다. 메인터넌스 모드 U600 을 실행하고 FAX 기판을 초기화합니다.
U698 에서 「ALL」을 설정하면 OPT1 과 OPT2 양쪽을 초기화하기 때문에 주의할 것.
상세는 서비스 매뉴얼을 참조할 것.

FAX 基板の初期化

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. OPT1 と OPT2 に FAX 基板を同時に設置した場合（すべての FAX 基板を初期化）メンテナンスモード U600 を実行し、FAX 基板を初期化する。

3. OPT2 に増設した場合 (OPT2 の FAX 基板を初期化)
メンテナンスモード U698 で「PORT2」、スタートキーの順に押す。メンテナンスモード U600 を実行し、FAX 基板を初期化する。
U698 で「ALL」を設定すると OPT1 と OPT2 両方を初期化するので注意すること。詳細はサービスマニュアルを参照のこと。



When installing the Fax system on a machine (B) which has the 'Accessibility Display' key in the operation panel

Supplied parts

- A. FAX circuit board 1
- B. Modular connector cable
(120 V/Australian model only)
PJJWC0016Z (UL Listed.HUAN HSIN
Type TL:120 V only) 1

- C. Terminal seal..... 1
- D. Alphabet label 1
- E. Memory DIMM (16 MB) 1
- F. PTT label (110V model only) 1
- G. Approval label
(Australian/New Zealand models only) 2

Option

- H. Memory DIMM (128 MB) 1

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Lors de l'installation du fax sur une machine (B) disposant de la touche 'Affich. accessibilité' sur le panneau de commande

Pièces fournies

- A. Carte à circuits FAX..... 1
- B. Câble du connecteur modulaire (modèles
pour l'Australie/120 V seulement)..... 1
- C. Joint de borne..... 1
- D. Etiquette de l'alphabet..... 1

- E. Mémoire DIMM (16 MB) 1
- Option**
- H. Mémoire DIMM (128 MB) 1

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

(F) et (G) ne sont pas fournis.

Al instalar el sistema de fax en una máquina (B) que dispone de la tecla 'Pantalla acceso' en el panel de controles

Partes suministradas

- A. Tarjeta de circuitos de fax..... 1
- B. Cable conector modular (sólo para
modelos de 120 V/Australianos)..... 1
- C. Sello del terminal..... 1
- D. Etiqueta de alfabeto..... 1

- E. Memoria DIMM (16 MB) 1
- Opción**
- H. Memoria DIMM (128 MB) 1

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

(F) y (G) no se suministran.

Bei Installation des FAX-Systems in einem Gerät (B), das über die Taste 'Zugriffsanzeige' im Bedienfeld verfügt

Enthaltene Teile

- A. FAX-Leiterplatte 1
- C. Verschlusskappe 1
- D. Alphabetaufkleber..... 1
- E. Speicher-DIMM (16 MB) 1

- Option**
- H. Speicher-DIMM (128 MB) 1

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

(B), (F) und (G) liegen nicht bei.

Per l'installazione del modulo FAX su una macchina (B) dotata di tasto 'Visual. Accessibilità' sul pannello comandi

Parti fornite

- A. Scheda a circuiti FAX 1
- C. Guarnizione terminale 1
- D. Etichetta alfabetica 1
- E. Memoria DIMM (16 MB) 1

- Opzioni**
- H. Memoria DIMM (128 MB) 1

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

(B), (F) e (G) non sono in dotazione.

当安装传真系统到那些操作面板上有 '扩大显示' 按键的机器 (B) 时

附属品

- A. 传真电路板..... 1
- B. 电话线..... 1
- C. 端子密封..... 1
- D. 英文字母标签..... 1
- E. 内存模组 DIMM (16MB) 1

- F. 规格标签 1

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

选购件

- H. 内存模组 DIMM (128MB) 1
- (G) 并非附属品。

조작판넬에 '유니버설' 키가 있는 본체 (B) 에 팩스 시스템을 설치하는

동봉품

- A. FAX 기관 1
- C. 단자씰 1
- D. 알파벳 라벨..... 1
- E. 메모리 DIMM (16MB) 1

- 옵션**
- H. 메모리 DIMM (128MB) 1

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.

(B), (F), (G) 는 동봉되어 있지 않습니다.

操作パネルに 'ユニバーサル' キーがある機械 (B) にファクスシステムを設置する場合

同梱品

- A. FAX 基板 1
- B. モジュラーコード..... 1
- C. 端子シール..... 1
- E. メモリーDIMM(16MB)..... 1

- オプション**
- H. メモリーDIMM(128MB) 1

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。

(D), (F), (G) は、同梱されていない。

NOTICE

If the finisher is already installed, remove the finisher before installing FAX System(W).

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

REMARQUE

Si le retoucheur est déjà en place, le déposer avant de monter le FAX System(W).

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

AVISO

Si el finalizador ya se encuentra instalado, desmóntelo antes de instalar el FAX System(W).

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

ANMERKUNG

Falls der Finisher schon installiert ist, müssen Sie ihn ausbauen, bevor Sie das FAX System(W) installieren.

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

AVVISO

Se la finitrice è già installata, rimuovere la finitrice prima di installare il FAX System(W).

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

注意

已安装装订器时，必须先拆下装订器再安装 FAX System(W)。

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

주의

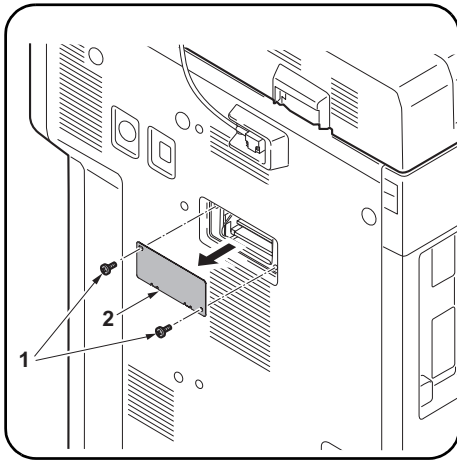
피니셔가 이미 장착되어 있는 경우에는 피니셔를 제거하고 FAX System(W) 를 설치할 것 .

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오 .

注意

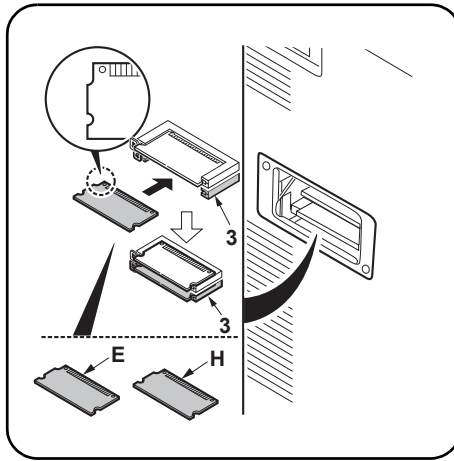
フィニッシャーがすでに装着されている場合は、フィニッシャーを取り外してから、FAX System(W) を取り付けること。

必ず機械本体の主電源スイッチをOFFにし、機械本体の電源プラグを抜いてから作業すること。



Procedure
Installing the memory DIMM

1. Remove 2 screws (1), and then remove the cover (2).



2. Install the memory DIMM (E) or the optional memory DIMM (H) into the memory slot (3) on the lower level (FLS).

Install it with the IC side facing down.
Insert it in the direction of the arrow until it clicks.

3. Replace the cover (2) using the 2 screws (1).

Procédure
Installation de la mémoire DIMM

1. Déposez les 2 vis (1) puis enlevez le couvercle (2).

2. Installer la mémoire DIMM (E) ou la mémoire DIMM en option (H) dans la fente mémoire (3) se trouvant au niveau inférieur (FLS).

L'installer avec le côté IC en bas.
L'insérer dans la direction de la flèche jusqu'au clic.

3. Reposez le couvercle (2) à l'aide des 2 vis (1).

Procedimiento
Instalación de la memoria DIMM

1. Quite 2 tornillos (1) y, después, desmonte la cubierta (2).

2. Instale la memoria DIMM (E), o la memoria DIMM opcional (H), en la ranura para memoria (3) en el nivel inferior (FLS).

Instálolo con el lado IC hacia abajo.
Insértela en la dirección que indica la flecha hasta que escuche un clic.

3. Vuelva a colocar la cubierta (2) utilizando los 2 tornillos (1).

Vorgehensweise
Installation der DIMM-Speichermodule

1. Entfernen Sie 2 Schrauben (1) und nehmen Sie dann die Abdeckung (2) ab.

2. Setzen Sie das DIMM-Speichermodul (E) oder das optionale DIMM-Speichermodul (H) in die untere Position (FLS) der Speicherbank (3) ein.

Mit der IC-Seite nach untenweisend installieren.
Schieben Sie das Modul in Pfeilrichtung, bis es hörbar einrastet.

3. Bringen Sie die Abdeckung (2) wieder mit den 2 Schrauben (1) an.

Procedura
Installazione della memoria DIMM

1. Rimuovere 2 viti (1), e quindi rimuovere il coperchio (2).

2. Installare la memoria DIMM (E) o la memoria DIMM opzionale (H) nello slot della memoria (3) al livello inferiore (FLS).

Installare con il lato IC rivolto verso il basso.
Inserirla nella direzione della freccia finché non scatta in posizione.

3. Ricollocare il coperchio (2) utilizzando le 2 viti (1).

安装步骤
安装内存模组 DIMM

1. 取下 2 个螺丝 (1)，然后取下盖板 (2)。

2. 将内存模组 DIMM (E) 或选购件内存模组 DIMM (H) 安装至下层 (FLS) 的内存插槽 (3)。安装时，将 IC 侧正面朝下。沿箭头方向将其插入到底直至发出喀嗒声。

3. 使用 2 个螺丝 (1) 重新安装盖板 (2)。

설치순서
메모리 DIMM 설치

1. 나사 (1) 2 개를 제거하고 커버 (2) 를 제거합니다.

2. 메모리 DIMM (E) 또는 옵션 메모리 DIMM (H) 를 하단 (FLS) 의 메모리 슬롯 (3) 에 장착합니다.
IC 면을 밑으로 할 것.
딸깍하고 소리가 날 때까지 화살표 방향으로 삽입합니다.

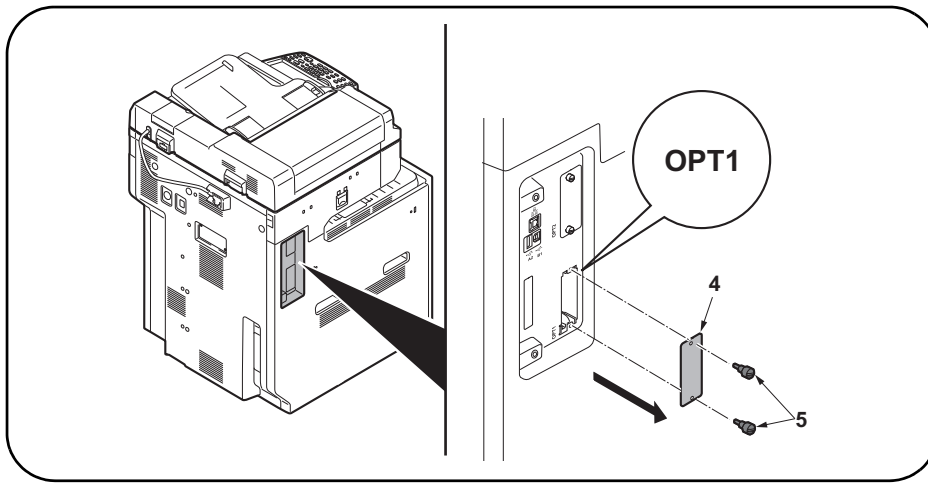
3. 나사 (1) 2 개로 커버 (2) 를 원래대로 장착합니다.

取付手順
メモリーDIMMの取り付け

1. ビス (1) 2 本を外し、カバー (2) を取り外す。

2. メモリーDIMM (E) または、オプションのメモリーDIMM (H) を下段 (FLS) のメモリースロット (3) に取り付ける。
IC面を下向きに取り付けること。
カチッと音がするまで矢印方向に挿入する。

3. ビス (1) 2 本で、カバー (2) を元通り取り付け。



Removing the slot cover

4. Remove 2 screws (5) and then remove the OPT1 slot cover (4).

* Do not use OPT2.

Dépose du couvercle de la fente

4. Déposer les 2 vis (5) puis le couvercle de la fente OPT1 (4).

* Ne pas utiliser OPT2.

Desmontaje de la cubierta de la ranura

4. Quite 2 tornillos (5) y, después, quite la cubierta de la ranura OPT1 (4).

* No utilice OPT2.

Entfernen der Einschubabdeckung

4.2 Schrauben (5) entfernen und dann die Abdeckung (4) des Einschubs OPT1 entfernen.

* OPT2 nicht verwenden.

Rimozione del coperchio vano

4. Rimuovere le 2 viti (5) e quindi rimuovere il coperchio (4) del vano OPT1.

* Non utilizzare OPT2.

拆下插槽盖板

4. 拆除 2 颗螺丝 (5), 拆下 OPT1 的插槽盖板 (4)。

※ 不使用 OPT2。

슬롯커버 제거

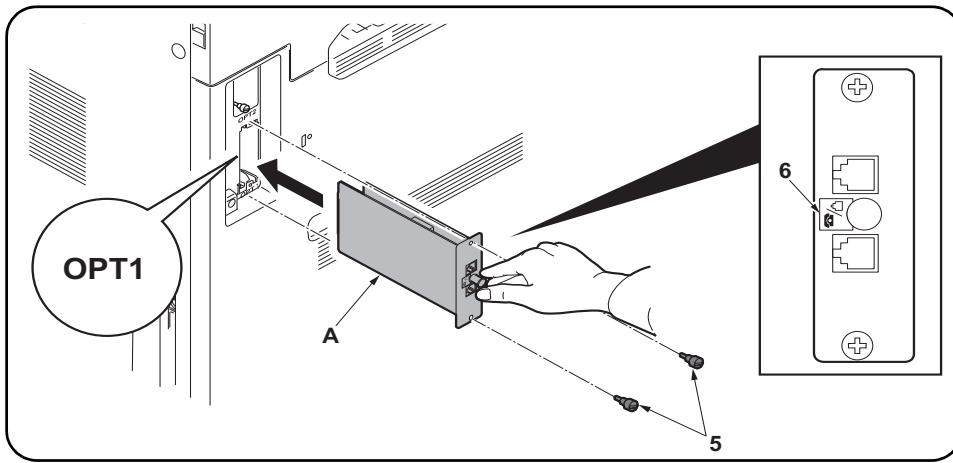
4. 나사 (5) 2 개를 제거하고 OPT1 의 슬롯커버 (4) 를 제거합니다 .

※ OPT2 는 사용하지 말 것 .

スロットカバーの取り外し

4. ビス (5) 2 本を外し、OPT1 のスロットカバー (4) を取り外す。

※OPT2 は使用しないこと。



Install the FAX circuit board.

5. Insert the FAX circuit board (A) along the groove in OPT1 and secure the board with two screws (5) that have been removed in step 4.

Do not directly touch the FAX circuit board (A) terminal. Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).

Direct the label (6) on to the FAX circuit board (A) as indicated in the illustration and insert the board along the groove.

Installer la carte à circuits FAX.

5. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT1 et la fixer à l'aide des deux vis (5) retirées à l'étape 4.

Ne pas toucher directement la borne de la carte à circuits FAX (A). Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A). Orienter l'étiquette (6) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de fax.

5. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT1 y asegúrela con los dos tornillos (5) que ha quitado en el paso 4.

No toque directamente el terminal de la tarjeta de circuitos del fax (A). Sujete las partes superior e inferior de la tarjeta de circuitos de fax o la saliente de la tarjeta para insertar la tarjeta de circuitos de fax (A). Oriente la etiqueta (6) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

5. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT1 einsetzen und Leiterplatte mit den in Schritt 4 ausgebauten Schrauben (5) befestigen.

Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern. Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.

Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (6) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

5. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT1 e fissare la scheda con le due viti (5) rimosse nell'operazione 4.

Non toccare direttamente il terminale della scheda a circuiti FAX (A). Per inserire il circuito FAX (A), tenere l'estremità superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX. Orientare l'etichetta (6) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

5. 沿着 OPT1 的沟槽插入传真电路板 (A) 并用步骤 4 中拆下的两颗螺钉 (5) 固定电路板。

请勿直接接触传真电路板 (A) 端子。

按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。

将传真电路板 (A) 上的标签 (6) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

5. OPT1 구에 붙여 FAX 기판 (A) 를 삽입하고 순서 4 에서 제거한 나사 (5) 2 개로 고정합니다 .

FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것 .

FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것 .

FAX 기판 (A) 을 붙여진 라벨 (6) 그림 표기 방향대로 되도록 삽입할 것 .

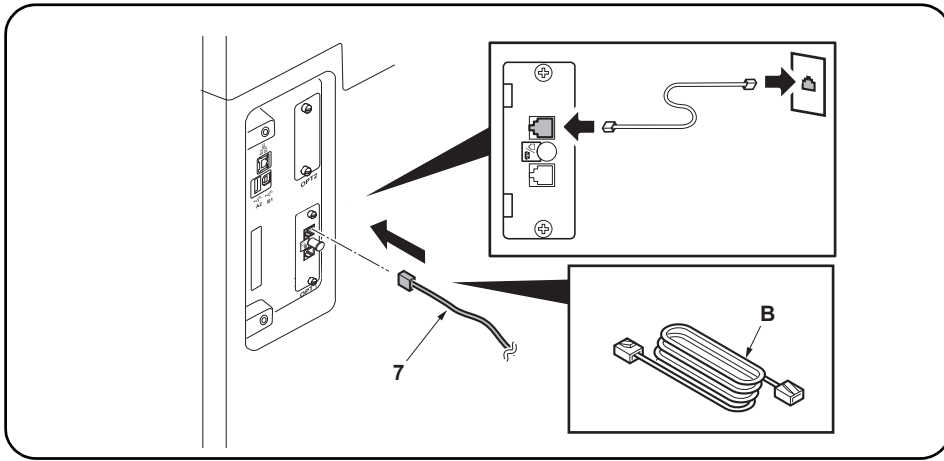
FAX 基板の取り付け

5. OPT1 の溝に沿って FAX 基板 (A) を挿入し、手順 4 で外したビス (5) 2 本で固定する。

FAX 基板 (A) の端子に直接触れないこと。

FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。

FAX 基板 (A) は、貼り付けられているラベル (6) が図に示す方向になるように、挿入すること。



Connect the MFP to the telephone line.

6. Plug the modular connector cable (7) into the line terminal, and then connect the other end to the telephone line.

For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

6. Brancher le câble du connecteur modulaire (7) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.

Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

6. Enchufe el cable del conector modular (7) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.

Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

6. Telefonmodulkabel (7) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.

Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

6. Inserire il cavo connettore modulare (7) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.

Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

6. 将模块接插件电缆 (7) 插入电话线端子, 然后将另一端与电话线连接。

对于 100V/120V/ 澳大利亚或中国机型, 请使用随附的模块接插件电缆 (B)。

전화회선과 접속

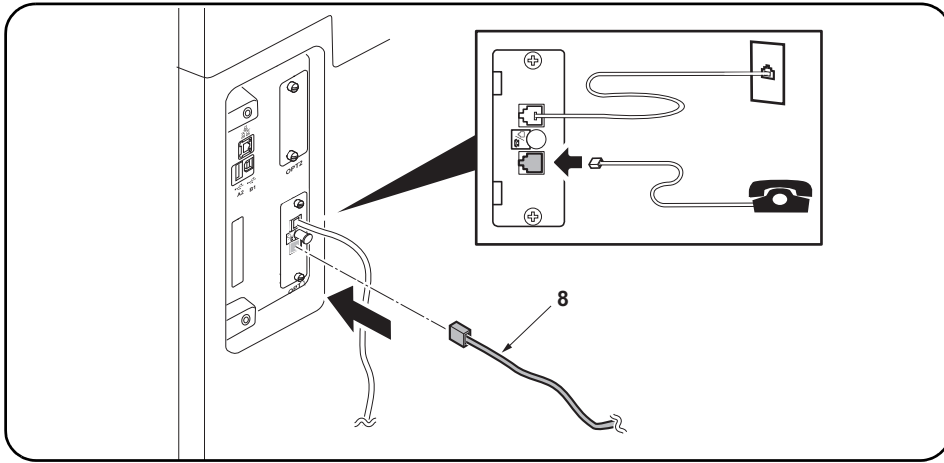
6. 모듈러 코드 (7) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.

100V/120V/ 오스트레일리아 / 중국사양은 부속 모듈러 코드 (B) 를 사용할 것.

電話回線との接続

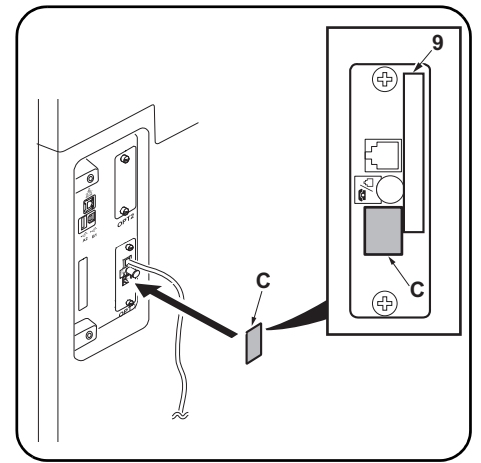
6. モジュラーコード (7) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。

100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。



Connect the MFP to the separate phone).

7. Plug the modular connector cable (8) into the telephone terminal, and then connect the other end to the separate phone.



If you don't connect the MFP to the separate phone, wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C) upon the customer's request. On 120 V models, be sure that it is not attached over the top of the approval label (9).

Connecter le MFP au téléphone séparé.

7. Brancher le câble du connecteur modulaire (8) à la borne du téléphone, puis connecter l'autre extrémité au téléphone séparé.

Si le MFP n'est pas connecté au téléphone séparé à la demande du client, nettoyer la surface de la borne de téléphone avec de l'alcool et apposer le joint de borne (C). Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (9).

Conecte el MFP al teléfono separado.

7. Enchufe el cable del conector modular (8) en el terminal del teléfono y, a continuación, conecte el otro extremo al teléfono separado.

Si no conecta el MFP a un teléfono separado, limpie la superficie del terminal del teléfono con alcohol y pegue el sello del terminal (C), a solicitud del cliente. En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (9).

Anschließen des MFP an das separate Telefon.

7. Das Telefonmodulkabel (8) in die Telefonbuchse einstecken und das andere Ende an das separate Telefon anschließen.

Wenn der MFP nicht an das separate Telefon angeschlossen wird, die Oberfläche der Telefonbuchse mit Alkohol abwischen und Verschlusskappe (C) einsetzen, falls vom Kunden gewünscht. Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (9) verdeckt.

Collegamento dell'MFP al telefono separato.

7. Inserire il cavo connettore modulare (8) nel terminale del telefono, e quindi collegare l'altro terminale al telefono separato.

Nel caso in cui non si colleghi l'MFP al telefono separato, pulire la superficie del terminale del telefono con dell'alcol e applicare la guarnizione terminale (C) a richiesta del cliente. Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (9).

将 MFP 连接到其它电话

7. 将模块接插件电缆 (8) 插入电话端子, 然后将另一端与其它电话连接。

如果您没有将 MFP 连接至其他电话, 请用酒精擦拭电话端子表面, 并按照客户要求粘上端子密封 (C)。120V 规格在粘贴时注意不要与认可标签 (9) 重叠。

외부 전화와 접속

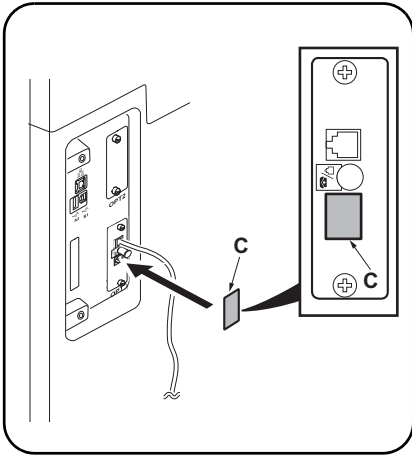
7. 모듈코드 (8) 를 TEL 단자에 꼽습니다. 다른 한 쪽의 플러그는 외부 전화와 접속합니다.

외부 전화와 접속하지 않는 경우 고객의 요청에 따라 TEL 단자 주위를 알코올 청소하고 단자씰 (C) 을 붙입니다. 120V 사양은 허가 라벨 (9) 에 겹치지 않도록 붙일 것.

外付け電話との接続

7. モジュラーコード (8) を TEL 端子に差し込む。もう片方のプラグは、外付け電話と接続する。

外付け電話と接続しない場合、お客様の要望により、TEL 端子周囲をアルコール清掃し、端子シール (C) を貼り付ける。120V 仕様は認可ラベル (9) に重ならないように、貼りつけること。



Seal the terminal

(for New Zealand model)

8. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).

Perform this procedure for New Zealand model only.

Fermer hermétiquement la borne (modèle pour la Nouvelle-Zélande)

8. Cette étape est superflue.

Selle el terminal

(para el modelo Nuevo Zelandés)

8. Este paso no es necesario.

Versiegeln der Anschlussbuchse (für Neuseeland-Modell)

8. Dieser Schritt ist nicht erforderlich.

Sigillare il terminale

(per il modello Nuova Zelanda)

8. Questo passo non è richiesto.

安装端子密封（仅适用于新西兰型号）

8. 不需要本步骤。

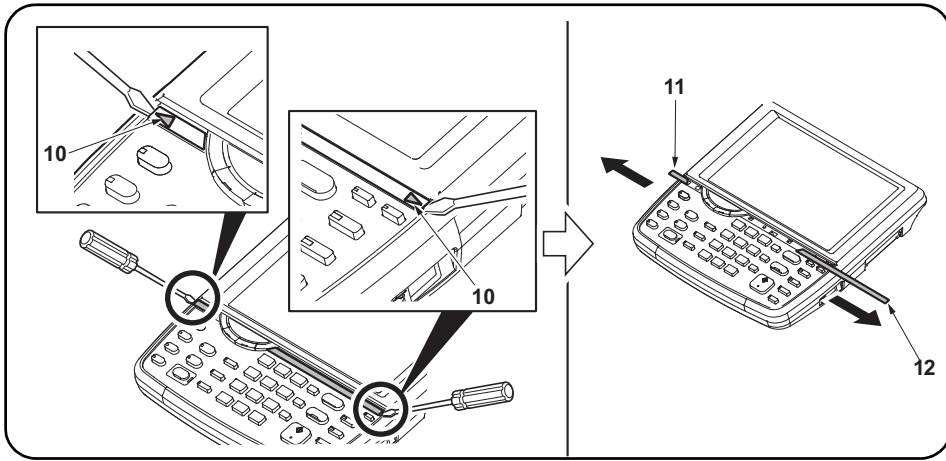
단자씰의 부착 (뉴질랜드 사양만)

8. 이 단계가 필요하지 않습니다.

端子シールの貼り付け

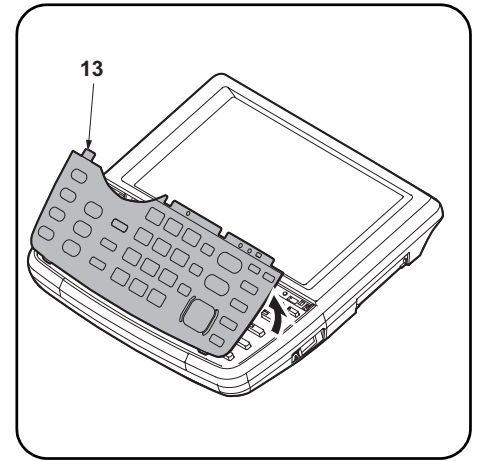
(ニューージーランド仕様のみ)

8. この作業は不要。



Attach the alphabet labels (excluding 100 V models).

9. Insert a flat-head screwdriver at the tip indicated by the arrows (10) as shown on the left, and slide the operation panel covers (11) (12) to remove them.



10. Remove the clear panel (13).

Apposer les étiquettes de l'alphabet (Sauf sur les modèles 100 V).

9. Insérer un tournevis à lame à l'endroit repéré par les flèches (10) comme illustré ci-contre à gauche et faire glisser les couvercles du panneau de commande (11) (12) pour les déposer.

10. Déposer le panneau transparent (13).

Fije las etiquetas de alfabeto (a excepción de los modelos de 100 V).

9. Inserte un destornillador de pala plana en la punta que indican las flechas (10) como se muestra a la izquierda y deslice las cubiertas del panel de trabajo (11) (12) para quitarlas.

10. Quite el panel transparente (13).

Anbringen der Alphetaufkleber (ausgenommen 100-V-Modelle).

9. Einen flachen Schraubendreher an der links mit Pfeilen (10) bezeichneten Spitze einschieben und die Bedienfeldabdeckungen (11) (12) verschieben, um sie dann abzunehmen.

10. Die durchsichtige Platte (13) entfernen.

Applicare le etichette alfabetiche (esclusi i modelli da 100 V).

9. Inserire un cacciavite a testa piana nel punto indicato dalla freccia (10) come mostrato sulla sinistra, e slittare i coperchi (11) (12) del pannello operativo per rimuoverli.

10. Rimuovere il pannello trasparente (13).

粘貼英文字母标签 (100V 规格以外)

9. 如图所示, 在▲箭头(10)前方插入一字螺丝刀, 滑动并取下操作面板的盖板(11)(12)。

10. 拆下透明面板(13)。

알파벳 라벨의 부착 (100V 사양 이외)

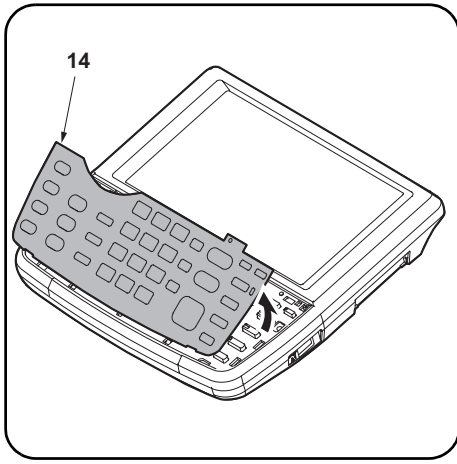
9. 그림과 같이 ▲ 표시 (10) 앞에 마이너스 드라이버를 삽입해 조작 판넬의 커버 (11) (12) 를 미끄러트리면서 떼어 냅니다 .

10. 클리어 판넬 (13) 을 제거합니다 .

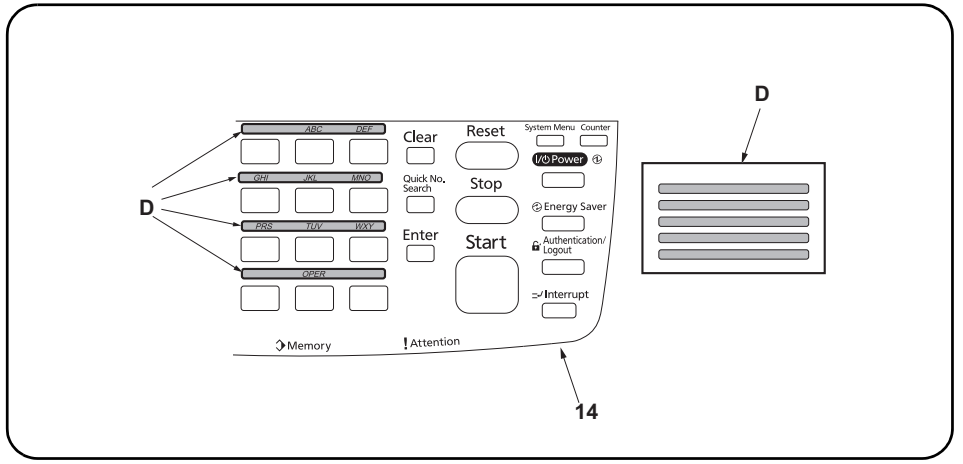
アルファベットラベルの貼り付け (100V仕様以外)

9. この作業は不要。

10. この作業は不要。



11. Remove the operation panel sheet (14).



12. Wipe the area above the numeric keys on the operation panel sheet (14) with alcohol and attach the alphabet labels (D).
In Asia and Oceania, use PQRS TUV WXYZ label, and do not use PRS TUV WXY and OPER labels.

11. Déposer la tôle du panneau de commande (14).

12. Nettoyer à l'alcool la surface au-dessus des touches numériques sur la tôle du panneau de commande (14) et apposer les étiquettes alphabétiques (D).
En Asie et Océanie, utiliser l'étiquette PQRS TUV WXYZ et pas les étiquettes PRS TUV WXY et OPER.

11. Quite la hoja del panel de trabajo (14).

12. Limpie el área sobre las teclas numéricas de la hoja del panel de trabajo (14) con alcohol y fije las etiquetas de alfabeto (D).
En Asia y Oceanía, utilice la etiqueta PQRS TUV WXYZ y no use las PRS TUV WXY ni las OPER.

11. Die Bedienfeldfolie (14) entfernen.

12. Den Bereich über den Zifferntasten an der Bedienfeldfolie (14) mit Alkohol abwischen und die Alphetaufkleber (D) hier anbringen.
In Asien und Ozeanien den Aufkleber PQRS TUV WXYZ verwenden; nicht die Aufkleber PRS TUV WXY und OPER verwenden.

11. Rimuovere il foglio (14) del pannello operativo.

12. Pulire l'area sopra i tasti numerici sul foglio del pannello operativo (14) con alcool ed applicare le etichette alfabetiche (D).
In Asia ed Oceania, utilizzare l'etichetta PQRS TUV WXYZ e non utilizzare le etichette PRS TUV WXY e OPER.

11. 拆下操作面板页 (14)。

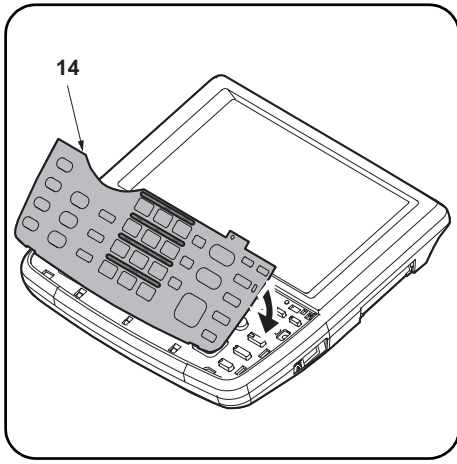
12. 使用酒精清洁操作面板页 (14) 的数字键上部, 粘贴英文字母标签 (D)。
在亚洲和大洋州, 请使用 PQRS TUV WXYZ 标签, 而不要使用 PRS TUV WXY 和 OPER 标签。

11. 조작판넬시트 (14) 를 제거합니다 .

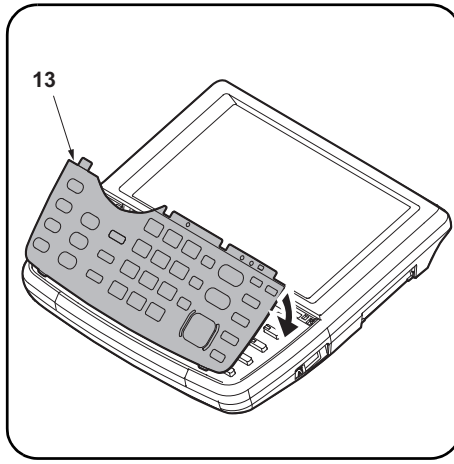
12. 조작판넬시트 (14) 의 텐키 윗측을 알코올 청소하고 알파벳 라벨 (D) 을 붙입니다 .
아시아 오세아니아에서는 「PRS TUV WXY」 및 「OPER」 라벨을 사용하지 말고 「PQRS TUV WXYZ」의 라벨을 사용할 것 .

11. この作業は不要。

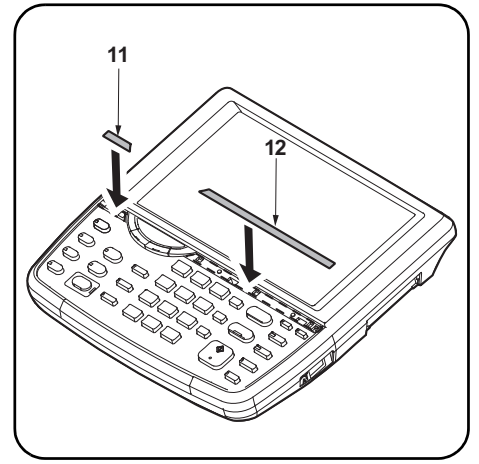
12. この作業は不要。



13. Attach the operation panel sheet (14).



14. Reinstall the clear panel (13).



15. Reinstall the operation panel covers (11) (12).

13. Fixer la tôle du panneau de commande (14).

14. Reposer le panneau transparent (13).

15. Reposer les couvercles du panneau de commande (11) (12).

13. Fije la hoja del panel de trabajo (14).

14. Vuelva a instalar el panel transparente (13).

15. Vuelva a instalar las cubiertas del panel de trabajo (11) (12).

13. Die Bedienfeldfolie (14) anbringen.

14. Die durchsichtige Platte (13) wieder anbringen.

15. Die Bedienfeldabdeckungen (11) (12) wieder anbringen.

13. Applicare il foglio del pannello operativo (14).

14. Reinstallare il pannello trasparente (13).

15. Reinstallare i coperchi (11) (12) del pannello operativo.

13. 安装操作面板页 (14)。

14. 安装透明面板 (13)。

15. 安装操作面板的盖板 (11) (12)。

13. 조작판넬시트 (14) 를 붙입니다 .

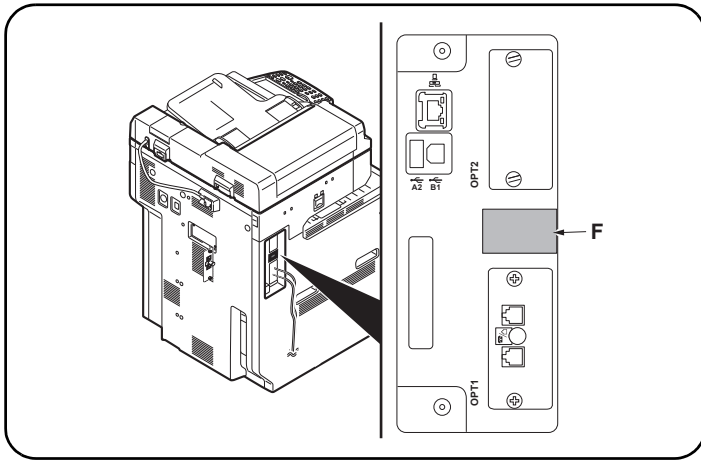
14. 클리어판넬 (13) 를 부착합니다 .

15. 조작판넬 커버 (11) (12) 을 부착합니다 .

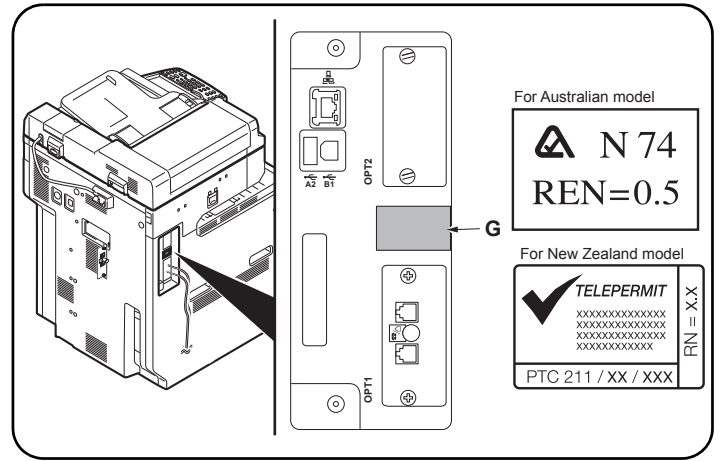
13. この作業は不要。

14. この作業は不要。

15. この作業は不要。



Attach the PTT label (for China, 110 V models only).
 16. Attach the PTT label (F) after wiping with alcohol.



Attach the approval label (for Australian/New Zealand model only).
 17. Attach the approval label (G) after wiping with alcohol.
 Perform this procedure for Australian/New Zealand model only.

Fixer l'étiquette d'approbation (pour la Chine, modèles 110 V seulement).
 16. Cette étape est superflue.

Fixer l'étiquette d'approbation (modèle pour l'Australie/Nouvelle-Zélande seulement).
 17. Cette étape est superflue.

Coloque la etiqueta de aprobación (para China, solo para los modelos de 110 V).
 16. Este paso no es necesario.

Coloque la etiqueta de aprobación (sólo para los modelos Australiano/Nuevo Zelandés)
 17. Este paso no es necesario.

Den Genehmigungsaufkleber anbringen (für China nur 110-V-Modelle).
 16. Dieser Schritt ist nicht erforderlich.

Den Genehmigungsaufkleber anbringen (nur für Australien/Neuseeland-Modell).
 17. Dieser Schritt ist nicht erforderlich.

Applicare l'etichetta di approvazione (per Cina, solo per i modelli da 110 V).
 16. Questo passo non è richiesto.

Applicare l'etichetta di approvazione (solo per il modello Australia/Nuova Zelanda)
 17. Questo passo non è richiesto.

粘貼規格标签 (仅限中国、110V 规格)
 16. 用酒精清洁后, 请在如图所示的位置贴上规格标签 (F)。

粘貼規格标签 (仅适用于澳大利亚 / 新西兰型号)
 17. 不需要本步骤。

규격라벨의 부착 (중국, 110V 사양만)
 16. 이 단계가 필요하지 않습니다.

규격라벨의 부착 (오스트레일리아 / 뉴질랜드 사양만)
 17. 이 단계가 필요하지 않습니다.

規格ラベルの貼り付け (中国、110V 仕様のみ)
 16. この作業は不要。

規格ラベルの貼り付け (オーストラリア / ニュージーランド仕様のみ)
 17. この作業は不要。

Initialize the FAX circuit board.

1. Plug the MFP into a power outlet, and turn on the main power.
2. Perform the maintenance mode U600 to initialize the FAX PWBs

Initialiser la carte à circuits FAX.

1. Brancher le MFP sur une prise d'alimentation et le mettre sous tension.
2. Exécuter le mode maintenance U600 pour initialiser les cartes de circuit imprimé du fax .

Inicialice la tarjeta de circuitos FAX.

1. Conecte el MFP a un receptáculo de pared y encienda el interruptor principal.
2. Ejecute el modo de mantenimiento U600 para inicializar los FAX PWB.

Initialisieren der FAX-Leiterplatte.

1. Netzstecker des MFP in eine Steckdose stecken und Hauptschalter einschalten.
2. Führen Sie den Wartungsmodus U600 aus, um die FAX-Karte zu initialisieren.

Questo passo non è richiesto. Inizializzare la scheda a circuiti FAX.

1. Collegare l'MFP ad una presa di corrente e portare l'interruttore principale su On.
2. Eseguire il modo manutenzione U600 per inizializzare le schede PWB FAX.

传真电话板的初始化

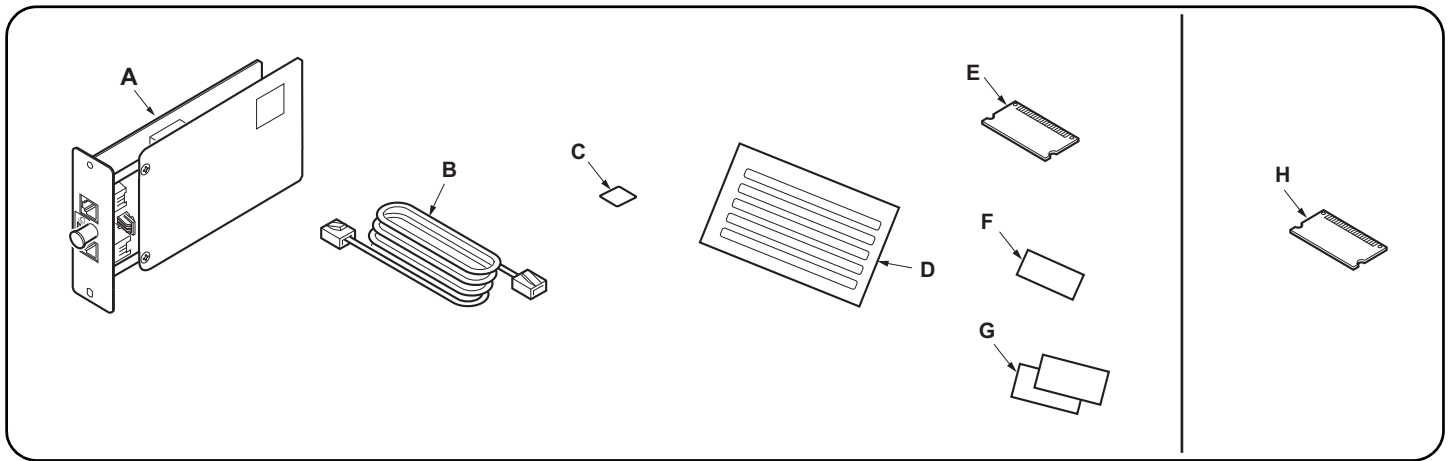
1. 将 MFP 插入电源插座，打开主电源。
2. 执行维修保养模式 U600，初始化传真电路板。

FAX 기판의 초기화

1. MFP 본체 전원플러그를 콘센트에 꽂고 주 전원 스위치를 ON 으로 한다 .
2. 메인テナンス 모드 U600 을 수행하여 FAX 기판을 초기화합니다 .

FAX 基板の初期化

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. メンテナンスモード U600 を実行し、FAX 基板を初期化する。



When installing the multiport on a machine (B) which has the 'Accessibility Display' key in the operation panel

Supplied parts

- A. FAX circuit board 1
- B. Modular connector cable
(120 V/Australian model only)
PJJWC0016Z (UL Listed.HUAN HSIN
Type TL:120 V only) 1

- C. Terminal seal..... 1
- D. Alphabet label 1
- E. Memory DIMM (16 MB) 1
- F. PTT label (110V model only) 1
- G. Approval label
(Australian/New Zealand models only) 2

Option

- H. Memory DIMM (128 MB) 1
- (D), (E), (F), (G) and (H) are not used.

Be sure to remove any tape and/or cushioning materials from the parts supplied.

Lors de l'installation du port multiple sur une machine (B) disposant de la touche 'Affich. accessibilité' sur le panneau de commande

Pièces fournies

- A. Carte à circuits FAX..... 1
- B. Câble du connecteur modulaire (modèles
pour l'Australie/120 V seulement)..... 1
- C. Joint de borne..... 1
- D. Etiquette de l'alphabet..... 1

- E. Mémoire DIMM (16 MB) 1
 - Option**
 - H. Mémoire DIMM (128 MB) 1
- (F) et (G) ne sont pas fournis.

(D), (E) et (H) ne sont pas utilisés.

Veillez à retirer les morceaux de bande adhésive et/ou les matériaux de rembourrage des pièces fournies.

Al instalar un puerto múltiple en una máquina (B) que dispone de la tecla 'Pantalla acceso' en el panel de controles

Partes suministradas

- A. Tarjeta de circuitos de fax..... 1
- B. Cable conector modular (sólo para
modelos de 120 V/Australianos)..... 1
- C. Sello del terminal..... 1
- D. Etiqueta de alfabeto..... 1

- E. Memoria DIMM (16 MB) 1
 - Opción**
 - H. Memoria DIMM (128 MB) 1
- (F) y (G) no se suministran.

(D), (E) y (H) no se utilizan.

Asegúrese de quitar todas las cintas y/o material amortiguador de las partes suministradas.

Bei Installation einer zweiten Leitung in einem Gerät (B), das über die Taste 'Zugriffsanzeige' im Bedienfeld verfügt

Enthaltene Teile

- A. FAX-Leiterplatte 1
- C. Verschlusskappe 1
- D. Alphabetaufkleber..... 1
- E. Speicher-DIMM (16 MB) 1

- Option**
 - H. Speicher-DIMM (128 MB) 1
- (B), (F) und (G) liegen nicht bei.
(D), (E) und (H) werden nicht benötigt.

Stellen Sie sicher, dass sämtliche Klebebänder und/oder Polstermaterial von den gelieferten Teilen entfernt wurden.

Per l'installazione di una porta multipla su una macchina (B) dotata di tasto 'Visual. Accessibilità' sul pannello comandi

Parti fornite

- A. Scheda a circuiti FAX 1
- C. Guarnizione terminale 1
- D. Etichetta alfabetica 1
- E. Memoria DIMM (16 MB) 1

- Opzioni**
 - H. Memoria DIMM (128 MB) 1
- (B), (F) e (G) non sono in dotazione.
(D), (E) e (H) non sono utilizzati.

Rimuovere tutti i nastri adesivi e/o i materiali di protezione dalle parti fornite.

当安装双路传真系统到那些操作面板上有 '扩大显示' 按键的机器 (B) 时

附属品

- A. 传真电路板..... 1
- B. 电话线..... 1
- C. 端子密封..... 1
- D. 英文字母标签..... 1
- E. 内存模组 DIMM (16MB) 1

- F. 规格标签 1
 - 选购件**
 - H. 内存模组 DIMM (128MB) 1
- (G) 并非附属品。

不使用 (D), (E) 和 (H)。

如果附属品上带有固定胶带, 缓冲材料时务必揭下。

조작판넬에 '유니버설' 키가 있는 본체 (B) 에 다중 포트 를 설치하는

동봉품

- A. FAX 기관 1
- C. 단자씰 1
- D. 알파벳 라벨..... 1
- E. 메모리 DIMM (16MB) 1

- 옵션**
 - H. 메모리 DIMM (128MB) 1
- (B), (F), (G) 는 동봉되어 있지 않습니다.
(D), (E), (H) 는 사용되지 않습니다.

동봉품에 고정 테이프, 완충재가 붙어 있는 경우에는 반드시 제거하십시오.

操作パネルに 'ユニバーサル' キーがある機械 (B) にマルチポートを設置する場合

同梱品

- A. FAX 基板 1
- B. モジュラーコード..... 1
- C. 端子シール..... 1
- E. メモリーDIMM(16MB)..... 1

- オプション**
 - H. メモリーDIMM(128MB) 1
- (D), (F), (G) は、同梱されていない。
(E), (H) は、使用しない。

同梱品に固定テープ、緩衝材がついている場合は、必ず取り外すこと。

NOTICE

If the finisher is already installed, remove the finisher before installing FAX System(W).

Before starting installation, be sure to turn the main power switch of the machine off, and unplug the power plug from the wall outlet.

REMARQUE

Si le retoucheur est déjà en place, le déposer avant de monter le FAX System(W).

Avant de commencer l'installation, s'assurer de mettre la machine hors tension et de débrancher la fiche d'alimentation de la prise murale.

AVISO

Si el finalizador ya se encuentra instalado, desmóntelo antes de instalar el FAX System(W).

Antes de iniciar la instalación, asegúrese de apagar el interruptor de encendido de la máquina y desenchufar el cable de alimentación de la toma de pared.

ANMERKUNG

Falls der Finisher schon installiert ist, müssen Sie ihn ausbauen, bevor Sie das FAX System(W) installieren.

Bevor Sie mit der Installation beginnen überzeugen Sie sich, dass der Netzschalter des Geräts ausgeschaltet und das Stromkabel aus der Steckdose gezogen ist.

AVVISO

Se la finitrice è già installata, rimuovere la finitrice prima di installare il FAX System(W).

Prima di iniziare l'installazione, spegnere la macchina e scollegare la spina dalla presa di corrente.

注意

已安装装订器时，必须先拆下装订器再安装 FAX System(W)。

安装前务必关闭机器的主电源开关，并从墙壁插座拔下电源插头。

주의

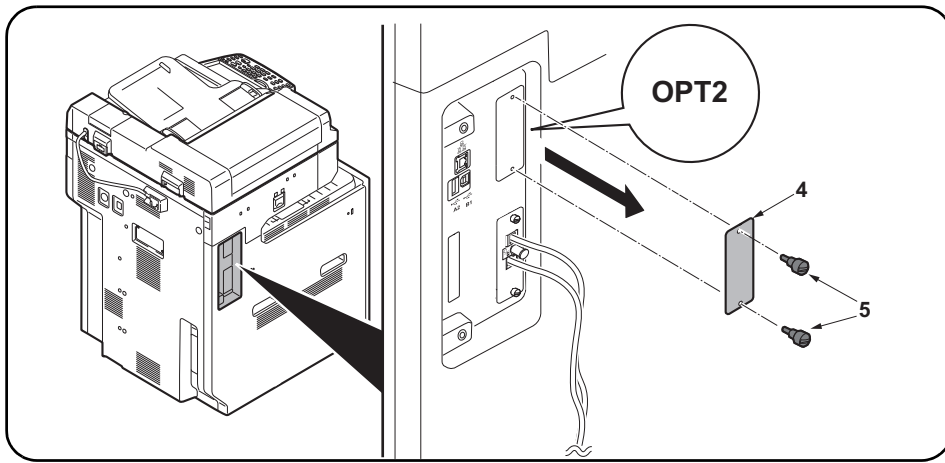
피니셔가 이미 장착되어 있는 경우에는 피니셔를 제거하고 FAX System(W) 를 설치할 것 .

설치를 시작하기 전에 반드시 본체의 주 전원 스위치를 끄고 벽 콘센트에서 전원 플러그를 분리하십시오 .

注意

フィニッシャーがすでに装着されている場合は、フィニッシャーを取り外してから、FAX System(W) を取り付けること。

必ず機械本体の主電源スイッチをOFFにし、機械本体の電源プラグを抜いてから作業すること。



Procedure

Removing the slot cover

1. Remove 2 screws (5) and then remove the OPT2 slot cover (4).

Procédure

Dépose du couvercle de la fente

1. Déposer les 2 vis (5) puis le couvercle de la fente OPT2 (4).

Procedimiento

Desmontaje de la cubierta de la ranura

1. Quite 2 tornillos (5) y, después, quite la cubierta de la ranura OPT2 (4).

Vorgehensweise

Entfernen der Einschubabdeckung

- 1.2 Schrauben (5) entfernen und dann die Abdeckung (4) des Einschubs OPT2 entfernen.

Procedura

Rimozione del coperchio vano

1. Rimuovere le 2 viti (2) e quindi rimuovere il coperchio (1) del vano OPT2.

安装步骤

拆下插槽盖板

1. 拆除 2 颗螺丝 (5)，拆下 OPT2 的插槽盖板 (4)。

설치순서

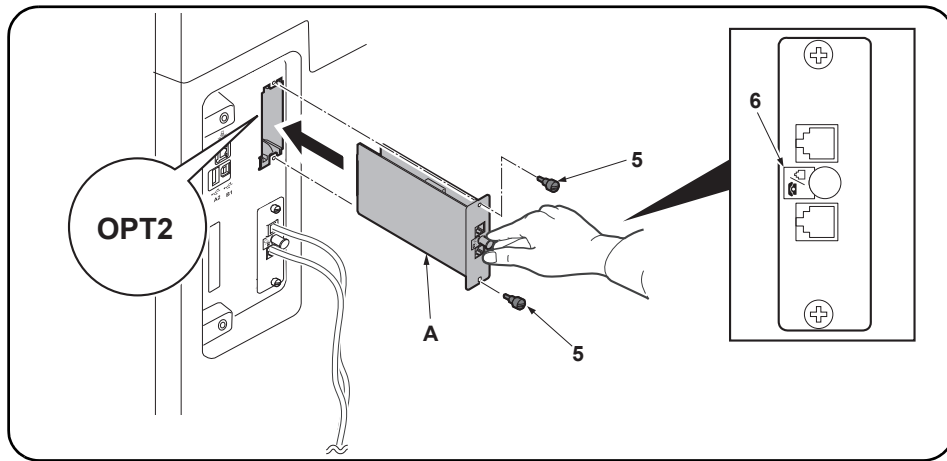
슬롯커버 제거

1. 나사 (5) 2 개를 제거하고 OPT2 의 슬롯커버 (4) 를 제거합니다 .

取付手順

スロットカバーの取り外し

1. ビス (5) 2 本を外し、OPT2 のスロットカバー (4) を取り外す。



Install the FAX circuit board.

2. Insert the FAX circuit board (A) along the groove in OPT2 and secure the board with two screws (5) that have been removed in step 1.
Do not directly touch the FAX circuit board (A) terminal.
Hold the top and bottom of the FAX circuit board, or the projection of the board to insert the FAX circuit board (A).
Direct the label (6) on to the FAX circuit board (A) toward left side and insert the board along the groove.

Installer la carte à circuits FAX.

2. Insérer la carte à circuits FAX (A) le long de la rainure dans l'OPT2 et la fixer à l'aide des deux vis (5) retirées à l'étape 1.
Ne pas toucher directement la borne de la carte à circuits FAX (A).
Tenir les parties inférieure et supérieure de la carte à circuits FAX ou la saillie de la carte pour insérer la carte à circuits FAX (A).
Orienter l'étiquette (6) de la carte à circuits FAX (A) comme illustré et insérer la plaquette le long de la rainure.

Instale la tarjeta de circuitos de FAX.

2. Inserte la tarjeta de circuitos de fax (A) a lo largo de la ranura de OPT2 y asegúrela con los dos tornillos (5) que ha quitado en el paso 1.
No toque directamente el terminal de la tarjeta de circuitos del FAX (A).
Sujete las partes superior e inferior de la tarjeta de circuitos de FAX o la saliente de la tarjeta para insertar la tarjeta de circuitos de FAX (A).
Oriente la etiqueta (6) en la tarjeta de circuitos del FAX (A) como se indica en la ilustración e inserte la tarjeta a lo largo de la ranura.

Installieren der FAX-Leiterplatte.

2. FAX-Leiterplatte (A) in die Nut des Einbauschachts OPT2 einsetzen und Leiterplatte mit den in Schritt1 ausgebauten Schrauben (5) befestigen.
Berühren Sie die Anschlüsse der FAX-Platine (A) nicht mit den Fingern.
Die FAX-Leiterplatte (A) beim Einsetzen oben und unten oder an dem Vorsprung festhalten.
Die FAX-Leiterplatte (A) so in die Nut einsetzen, dass der Aufkleber (6) wie abgebildet zur Leiterplatte zeigt.

Installare la scheda a circuiti FAX.

2. Inserire la scheda a circuiti FAX (A) lungo l'incavo nell'OPT2 e fissare la scheda con le due viti (5) rimosse nell'operazione 1.
Non toccare direttamente il terminale della scheda a circuiti FAX (A).
Per inserire il circuito FAX (A), tenere l'estremità superiore e la base della scheda a circuiti FAX, o la sporgenza della scheda a circuiti FAX.
Orientare l'etichetta (6) sulla scheda a circuiti FAX (A) come indicato nell'illustrazione e inserire la scheda lungo l'incavo.

安装传真电路板

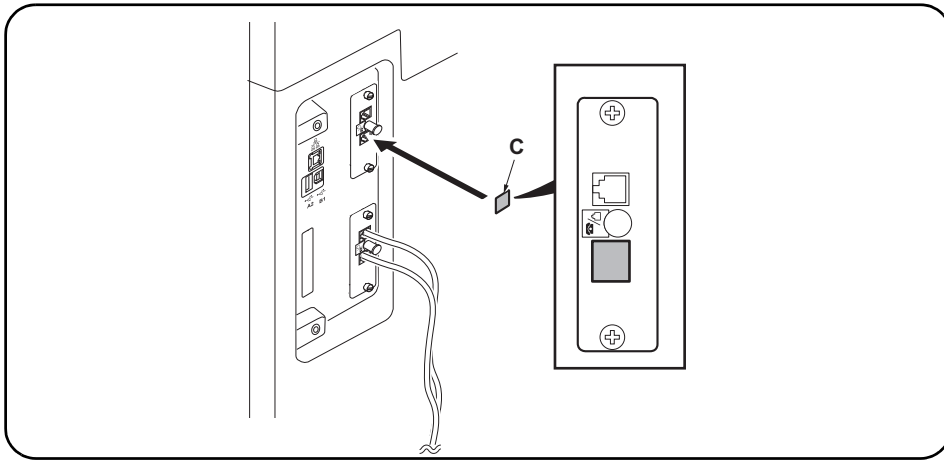
2. 沿着 OPT2 的沟槽插入传真电路板 (A) 并用步骤 1 中拆下的两颗螺钉 (5) 固定电路板。
请勿直接接触传真电路板 (A) 端子。
按住传真电路板的顶部和底部, 或者按住电路板的突出部将传真电路板 (A) 插入。
将传真电路板 (A) 上的标签 (6) 保持图示中的方向, 将电路板沿着沟槽方向插入。

FAX 기판 장착

2. OPT2 구에 붙여 FAX 기판 (A) 를 삽입하고 순서 1 에서 제거한 나사 (5) 2 개로 고정합니다.
FAX 기판 (A) 의 단자에 직접 닿지 않게 할 것.
FAX 기판 (A) 을 삽입 시에는 기판의 상하 또는 돌기를 잡을 것.
FAX 기판 (A) 을 붙여진 라벨 (6) 그림 표기 방향대로 되도록 삽입할 것.

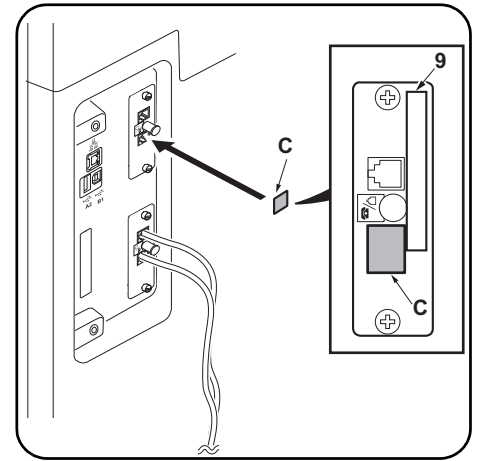
FAX 基板の取り付け

2. OPT2 の溝に沿って FAX 基板 (A) を挿入し、手順 1 で外したビス (5) 2 本で固定する。
FAX 基板 (A) の端子に直接触れないこと。
FAX 基板 (A) の挿入時は基板の上下か突起を持つこと。
FAX 基板 (A) は、貼り付けられているラベル (6) が図に示す方向になるように、挿入すること。



Seal the terminal.

3. Wipe the surface of the telephone terminal with alcohol and adhere the terminal seal (C).
The telephone terminal on the FAX circuit board installed to OPT2 is unavailable (invalid). Seal the terminal securely to prevent a user from connecting a separate phone.



On 120 V models, be sure that it is not attached over the top of the approval label (9).

Fermer hermétiquement la borne.

3. Nettoyer la surface de la borne de téléphone avec de l'alcool, et apposer le joint de borne (C).
La borne de téléphone de la carte à circuits FAX installée sur l'OPT2 n'est pas utilisable (invalide). Fermer hermétiquement la borne pour empêcher tout utilisateur de connecter un téléphone séparé.

Sur les modèles 120 V, attention à ne pas installer en recouvrant le haut de l'étiquette d'approbation (9).

Selle el terminal.

3. Limpie la superficie del terminal de teléfono con alcohol y pegue el sello de terminal (C).
El terminal de teléfono de la tarjeta de circuitos de FAX instalado en el OPT2 no está disponible (inválido). Selle firmemente el terminal para evitar que un usuario conecte un teléfono por separado.

En los modelos de 120 V, asegúrese de que no se fije sobre la etiqueta de aprobación (9).

Versiegeln der Anschlussbuchse.

3. Die Oberfläche der Telefonanschlussbuchse mit Alkohol abwischen und die Verschlusskappe (C) anbringen.
Die Telefonanschlussbuchse der in OPT2 installierten FAX-Leiterplatte ist nicht verfügbar (ungültig). Die Anschlussbuchse vollkommen versiegeln, um den Anschluss eines separaten Telefons zu verhindern.

Bei 120-V-Modellen darauf achten, dass der Aufkleber nicht den Genehmigungsaufkleber (9) verdeckt.

Sigillare il terminale.

3. Pulire la superficie del terminale del telefono con alcol e fare aderire la guarnizione terminale (C).
Il terminale del telefono sulla scheda a circuiti FAX installata su OPT2 non è disponibile (invalido). Sigillare il terminale saldamente per prevenire a un utente di collegare un telefono separato.

Sui modelli da 120 V, assicurarsi che essa non venga applicata sopra l'etichetta di approvazione (9).

安装端子密封

3. 用酒精擦拭电话端子表面并粘上端子密封 (C)。
安装在 OPT2 上的传真电路板的电话端子不可使用 (无效)。为了避免用户错误与其它电话连接, 必须确实粘贴好端子密封。

120V 规格在粘贴时注意不要与认可标签 (9) 重叠。

단자씰의 부착

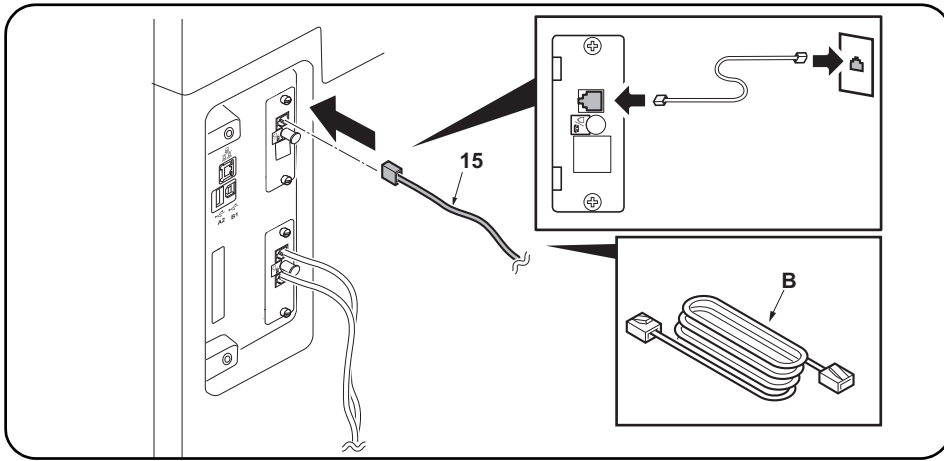
3. TEL 단자주위를 알코올청소하고 단자씰 (C) 을 부착합니다.
OPT2 에 부착한 FAX 기판의 TEL 단자는 사용불가 (무효) 가 됩니다. 사용자가 잘못해 외부 전화를 접속하지 않도록 확실히 부착할 것.

120V 사양은 허가 라벨 (9) 에 겹치지 않도록 붙일 것.

端子シールの貼り付け

3. TEL 端子周围をアルコール清掃し、端子シール (C) を貼り付ける。
OPT2 に取り付けした FAX 基板の TEL 端子は使用不可 (無効) となる。ユーザーが誤って外付け電話を接続しないよう確実に貼り付けること。

120V 仕様は認可ラベル (9) に重ならないように、貼り付けること。



Connect the MFP to the telephone line.

4. Plug the modular connector cable (15) into the line terminal, and then connect the other end to the telephone line.
For 100 V/120 V/Australian or Chinese models, use the supplied modular connector cable (B).

Connecter le MFP à la ligne de téléphone.

4. Brancher le câble du connecteur modulaire (15) à la borne de la ligne, puis connecter l'autre extrémité à la ligne de téléphone.
Pour les modèles 100 V/120 V/Australie ou Chine, utilisez le câble à connecteur modulaire (B) fourni.

Conecte el MFP a la línea telefónica.

4. Enchufe el cable del conector modular (15) en el terminal de línea y, a continuación, conecte el otro extremo a la línea telefónica.
Para los modelos de 100 V/120 V/Australiano o Chino, utilice el cable conector modular (B) suministrado.

Anschließen des MFP an die Telefonleitung.

4. Telefonmodulkabel (15) in die Gerätebuchse einstecken und das Kabel an der Telefondose anschließen.
Das mitgelieferte Modularsteckerkabel (B) für die 100-V/120-V/Australien- oder China-Modelle verwenden.

Collegamento dell'MFP alla linea del telefono.

4. Inserire il cavo connettore modulare (15) nel terminale della linea, e quindi collegare l'altro terminale alla linea del telefono.
Per modelli da 100 V/120 V/Australia o Cina, utilizzare il cavo connettore modulare (B) in dotazione.

将 MFP 连接到电话线

4. 将模块接插件电缆 (15) 插入电话线端子，然后将另一端与电话线连接。
对于 100V/120V/ 澳大利亚或中国机型，请使用随附的模块接插件电缆 (B)。

전화회선과의 접속

4. 모듈러 코드 (15) 를 라인단자에 꼽습니다. 다른 한 쪽의 플러그는 전화회선과 접속합니다.
100V/120V/ 오스트레일리아 / 중국사양은 부속 모듈러 코드 (B) 를 사용할 것.

電話回線との接続

4. モジュラーコード (15) をライン端子に差し込む。もう片方のプラグは、電話回線へ接続する。
100V/120V/ オーストラリア / 中国仕様は付属のモジュラーコード (B) を使用すること。

(Initialize the FAX circuit board.

1. Plug the MFP into a power outlet, and turn on the main power.
2. If the FAX PWBs were installed simultaneously to OPT1 and OPT2 (all Fax PWBs are initialized), perform the maintenance mode U600 to initialize the FAX PWBs.

3. If the FAX circuit board has been added to OPT2 (to initialize the FAX circuit board in OPT2)
Initialize OPT2 by pressing [PORT2], and the Start key in this order in the maintenance mode U698 and executing the maintenance mode U600. If [ALL] is selected in U698, both OPT1 and OPT2 are initialized. For details, see the service manual.

Initialiser la carte à circuits FAX.

1. Brancher le MFP sur une prise d'alimentation et le mettre sous tension.
2. Si les cartes de circuit imprimé du fax ont été installées en même temps que OPT1 et OPT2 (toutes les cartes de circuit imprimé du fax sont initialisées), exécuter le mode maintenance U600 pour initialiser les cartes de circuit imprimé du fax.

3. Si la carte à circuits FAX a été ajoutée à l'OPT2 (pour initialiser la carte à circuits FAX dans l'OPT2)
Initialiser l'OPT2 en appuyant sur [PORT2] et la touche Départ dans cet ordre en mode de maintenance U698, et exécuter le mode de maintenance U600. Si [ALL] est sélectionné dans U698, l'OPT1 et l'OPT2 sont tous deux initialisés. Pour plus de détails, se reporter au manuel d'entretien.

Inicialice la tarjeta de circuitos FAX.

1. Conecte el MFP a un receptáculo de pared y encienda el interruptor principal.
2. Si se instalaron FAX PWB simultáneamente a OPT1 y OPT2 (se inicializan todos los FAX PWB), ejecute el modo de mantenimiento U600 para inicializar los FAX PWB.

3. Si la tarjeta de circuitos de FAX se agregó a OPT2 (para inicializar la tarjeta de circuitos de FAX en OPT2)
Inicialice el OPT2 presionando [PORT2] y la tecla de Inicio en ese orden en el modo de mantenimiento U698 y ejecutando el modo de mantenimiento U600. Si se selecciona [ALL] en U698, se inicializan ambos OPT1 y OPT2. Para más detalles, lea el manual de servicio.

Initialisieren der FAX-Leiterplatte.

1. Netzstecker des MFP in eine Steckdose stecken und Hauptschalter einschalten.
2. Falls die FAX-Karten gleichzeitig in OPT1 und OPT2 installiert werden (alle FAX-Karten werden initialisiert), führen Sie den Wartungsmodus U600 aus, um die FAX-Karten zu initialisieren.

3. Wenn die FAX-Leiterplatte zu OPT2 hinzugefügt worden ist (um die FAX-Leiterplatte in OPT2 zu initialisieren)
OPT2 initialisieren. Dazu [PORT2] und die Start-Taste im Wartungsmodus U698 in dieser Reihenfolge drücken und den Wartungsmodus U600 ausführen. Wenn [ALL] in U698 gewählt wird, werden OPT1 und OPT2 initialisiert. Weitere Einzelheiten siehe Wartungsanleitung.

Inizializzare la scheda a circuiti FAX.

1. Collegare l'MFP ad una presa di corrente e portare l'interruttore principale su On.
2. Se sono state installate simultaneamente le schede FAX PWB su OPT1 e OPT2 (tutte le schede FAX PWB sono inizializzate), eseguire il modo manutenzione U600 per inizializzare le schede FAX PWB.

3. Se la scheda a circuiti è stata aggiunta all'OPT2 (per inizializzare la scheda a circuiti FAX nell'OPT2)
Inizializzare OPT2 premendo [PORT2] e il tasto Avvio in questo ordine nel modo di manutenzione U698 ed eseguendo il modo di manutenzione U600. Se viene selezionato [ALL] nel modo U698, entrambi OPT1 e OPT2 sono inizializzati. Per ulteriori dettagli leggere il manuale d'istruzioni.

传真电话板的初始化

1. 将 MFP 插入电源插座，打开主电源。
2. 当把传真电路板同时安装到 OPT1 和 OPT2 时（全部的传真电路板初始化），执行维修保养模式 U600，初始化传真电路板。

3. 在 OPT2 上增设时
(OPT2 的传真电路板初始化)
只进行 OPT2 初始化时，在维修保养模式 U698 状态下，按顺序按下“PORT2”、开始键，执行维修保养模式 U600。
在 U698 状态下设定“ALL”时，会使 OPT1 和 OPT2 均初始化。
有关详细信息，请参见维修手册。

FAX 기판의 초기화

1. MFP 본체 전원플러그를 콘센트에 꼽고 주 전원 스위치를 ON 으로 한다.
2. OPT1 과 OPT2 에 FAX 기판을 동시에 설치한 경우 (모든 FAX 기판이 초기화됨), 메인터넌스 모드 U600 을 수행하여 FAX 기판을 초기화합니다.

3. OPT2 에 증설한 경우 (OPT2 의 FAX 기판을 초기화)
메인터넌스모드 U698 에서 「PORT2」, 시작키 순으로 누릅니다 . 메인터넌스 모드 U600 을 실행하고 FAX 기판을 초기화합니다 .
U698 에서 「ALL」을 설정하면 OPT1 과 OPT2 양쪽을 초기화하기 때문에 주의할 것 .
상세는 서비스 매뉴얼을 참조할 것 .

FAX 基板の初期化

1. MFP 本体の電源プラグをコンセントに差し込み、主電源スイッチを ON にする。
2. OPT1 と OPT2 に FAX 基板を同時に設置した場合（すべての FAX 基板を初期化）メンテナンスモード U600 を実行し、FAX 基板を初期化する。

3. OPT2 に増設した場合 (OPT2 の FAX 基板を初期化)
メンテナンスモード U698 で「PORT2」、スタートキーの順に押す。メンテナンスモード U600 を実行し、FAX 基板を初期化する。
U698 で「ALL」を設定すると OPT1 と OPT2 両方を初期化するので注意すること。詳細はサービスマニュアルを参照のこと。

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