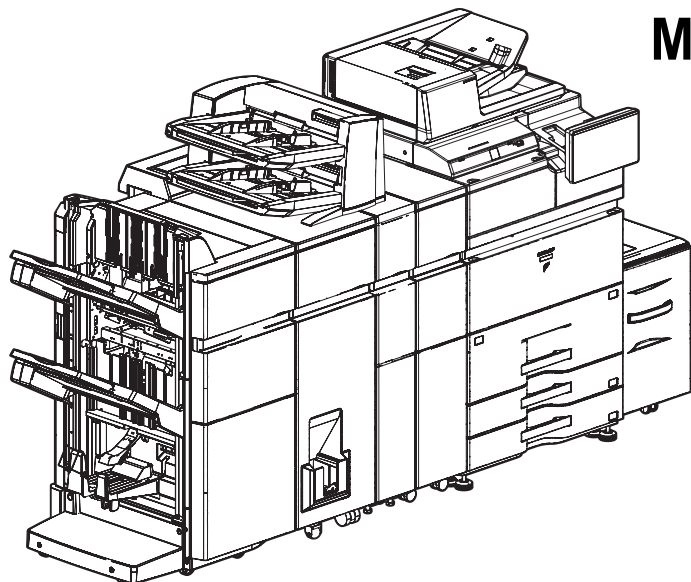


SHARP INSTALLATION MANUAL

CODE: 00ZBP70M90I2E

DIGITAL MULTIFUNCTIONAL SYSTEM



BP-70M75 MODEL BP-70M90

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Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

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[6] MX-TR21 (EXIT TRAY UNIT)

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Transit, Installation (using) environment, Note

1. Installing (use) conditions

Before installing the machine, check that the following installing (use) conditions are satisfied.

If the installing (use) conditions are not satisfied, the machine may not display full performances, resulting in troubles. It may also cause safety problems. Therefore, be sure to arrange the installing (use) conditions before setting up the machine.

No.	Content
1	Transportation space
2	Installing space
3	Power source (Capacity, fluctuation, safety)
4	Floor strength
5	Direct rays of the sun, dust, temperature, humidity, gases, chemicals

A. Transportation space

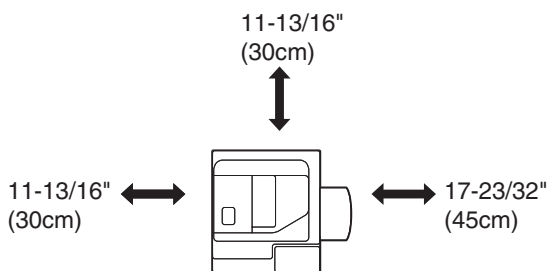
For installation of a large size machine, be sure to check that the door size is wide enough before bringing in.

B. Installing space

The following space must be provided around the machine in order to assure machine performances and proper operations.

If any option is installed, provide the additional space for installing it.

Adequate space must be provide behind the machine for proper ventilation heat and dust. If not, the machine cannot exhibit functions against heat and dust, causing some troubles.



C. Power source (Capacity, voltage, frequency, safety, plug)

If the power specifications are not satisfied, the machine cannot exhibit full performances and may cause safety trouble.

Strictly observe the following specifications.

Power capacity

Check that the following power capacity is satisfied. If not, additionally provide a power source.

Current capacity

Japan: 20A or more

EX 100V: 20A or more

EX 200V: 10A or more

Important

Check the shape of the power plug of the machine, and insert it into a power outlet of the acceptable shape.

Power voltage

Measure the voltage during copying to check that the voltage is in the range of the specified voltage $\pm 10\%$.

If the voltage is outside the specified range, please have a certified electrician upgrade the outlet.

(An electrical work is required.)

Use of a step-up transformer is also available. In this case, the capacity must be great enough for the max. power consumption of the machine.

Power frequency, waveform

The frequency must be within the range of the specified frequency $\pm 2\%$. If power waveform is deformed, a trouble may occur.

Safety

Be sure to properly ground the machine.

Grounding (earth connection) must be performed before inserting the power plug into the power outlet.

When disconnecting the earth connection, be sure to disconnect the power plug from the power outlet in advance.

Power plug

Check the shape of the power plug of the machine, and insert it into a power outlet of the acceptable shape.

Power plug stated in power capacity.

D. Floor strength and level

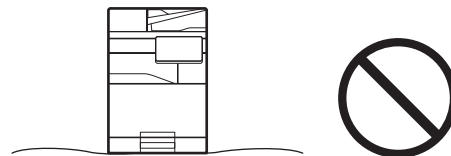
This machine is considerably heavy and becomes heavier with an option installed.

The floor must be strong enough to safely support the weight of the machine as well as any installed options.

If the unit is not horizontally installed, the toner density control is not performed normally, degrading the copy quality.

If not, color shift or image distortion may occur.

To assure proper Image quality, make sure the machine is setting level.



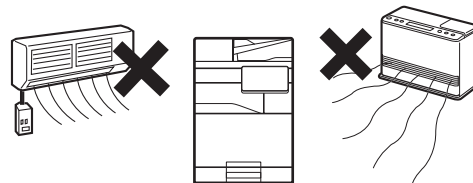
E. Direct rays of the sun, dust, temperature, humidity, gasses, chemicals, vibration

Temperature and humidity (Environmental conditions)

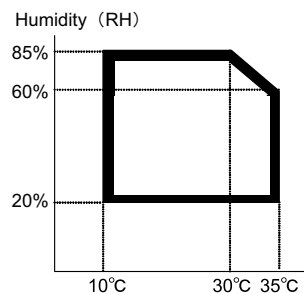
This machine is designed to perform properly under the specified temperature and humidity. If the temperature and humidity exceeds the specified range, the machine may not operate properly and or cause equipment failure.

Especially when the humidity is too high, paper absorbs humidity to cause a paper jam or dirty copy.

Do not install the machine near a heater, a cooler, or a humidifier.



Condensation may form inside the machine causing multiple troubles. Use enough care for ventilation.



Operational environment

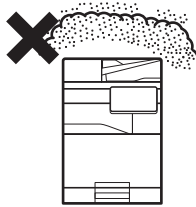
Temperature: 10 to 35 °C

Humidity: 20 to 85% RH

Atmospheric pressure: 590 to 1013hPa (altitude: 0 to 2000 m)

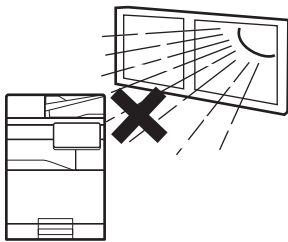
Contaminates

If dust enters the machine, it may cause dirty copy and a paper jam, resulting in a shortened lifetime.



Direct sunlight

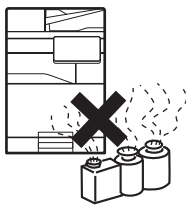
If the machine is installed under the rays of the sun, the exterior of the machine may be discolored and abnormal copies may be produced.



Gases and chemicals

Do not install the machine at a place where there are gases and chemicals. Especially be careful to avoid installation near a diazo-type copier, which produces ammonium gas.

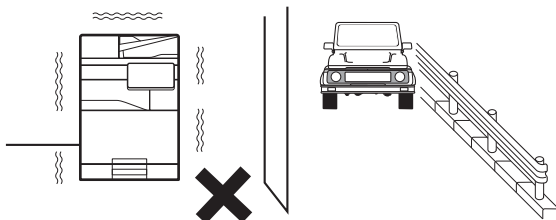
Copy quality may be adversely affected and a trouble may be caused.



Vibration

Avoid installation near a machine which produces vibrations.

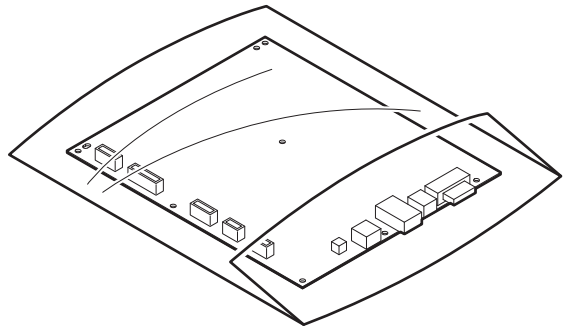
If vibrations are applied to the copier machine, copy images may be deflected and a trouble may be caused.



F. Note for handling PWB and electronic parts

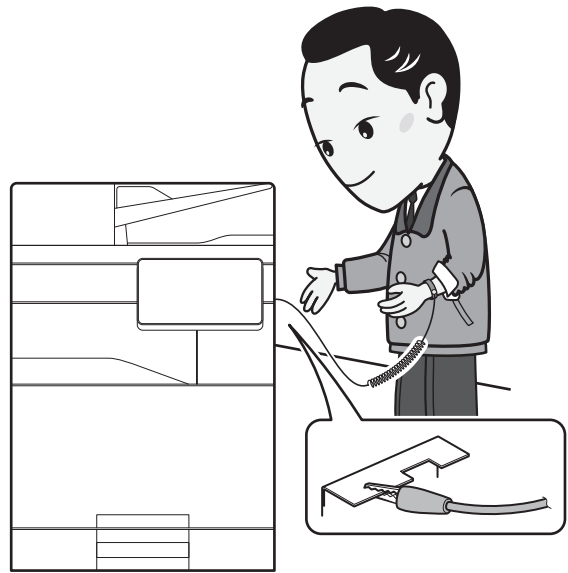
When handling the PWB and the electronic parts, be sure to observe the following precautions in order to prevent against damage by static electricity.

- * When in transit or storing, put the parts in an anti-static bag or an anti-static case and do not touch them with bare hands.

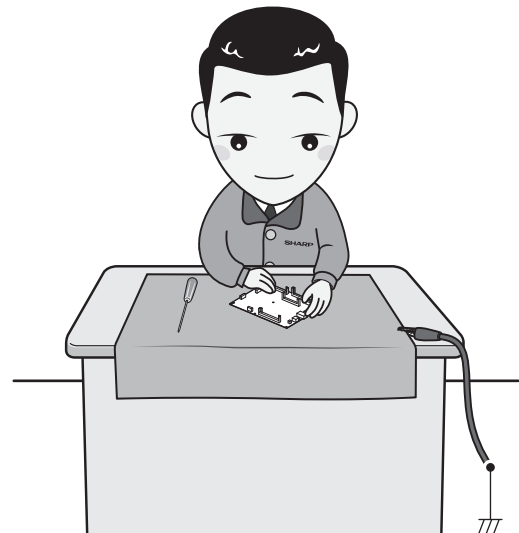


- * When and after removing the parts from an anti-static bag (case), use an earth band as shown below:

- * Put an earth band to your arm, and connect it to the machine.



- * When repairing or replacing an electronic part, perform the procedure on an anti-static mat.



G. Note for proper drum, developing, fusing and transfer unit handling

When handling the OPC drum, developing and transfer units, observe the following items.

Drum unit

- * To prevent damage to the OPC drum, avoid working on the drum unit in high intensity light areas.
- * When the OPC drum is removed from the machine, cover it with light blocking material. (When using paper, use about 10 sheets of paper to cover it.)
- * Be careful not to attach fingerprints, oil, grease, or other foreign material on the OPC drum surface.

Transfer unit

- * Be careful not to "leave" fingerprints, oil, grease, or other foreign material on the transfer roller, transfer belt.

Developing unit

- * Be careful not to "leave" fingerprints, oil, grease, or other foreign material on the developing unit.

Fusing unit

- * Be careful not to "leave" fingerprints, oil, grease, or other foreign material on the fusing roller and the external heating belt.
- * Do not leave the fusing roller in contact state for a long time.

If these items are neglected, a trouble may be generated in the copy and print image quality.

2. Transit and delivery

No.	Content	Method
1	Implements, facility, and man power	Use a forklift. (If no forklift is available, manpower of four persons is required.)
2	Delivery	Transit must be made in packed condition.

A. Implements, facility, and manpower

It is recommendable to use a forklift for bringing in the machine for safety.

If no forklift is available, man-power of four persons is required. The machine is considerably heavy, and requires safety precautions for delivery and installation.

Transportation of the machine must be made in packed condition to the installing place.

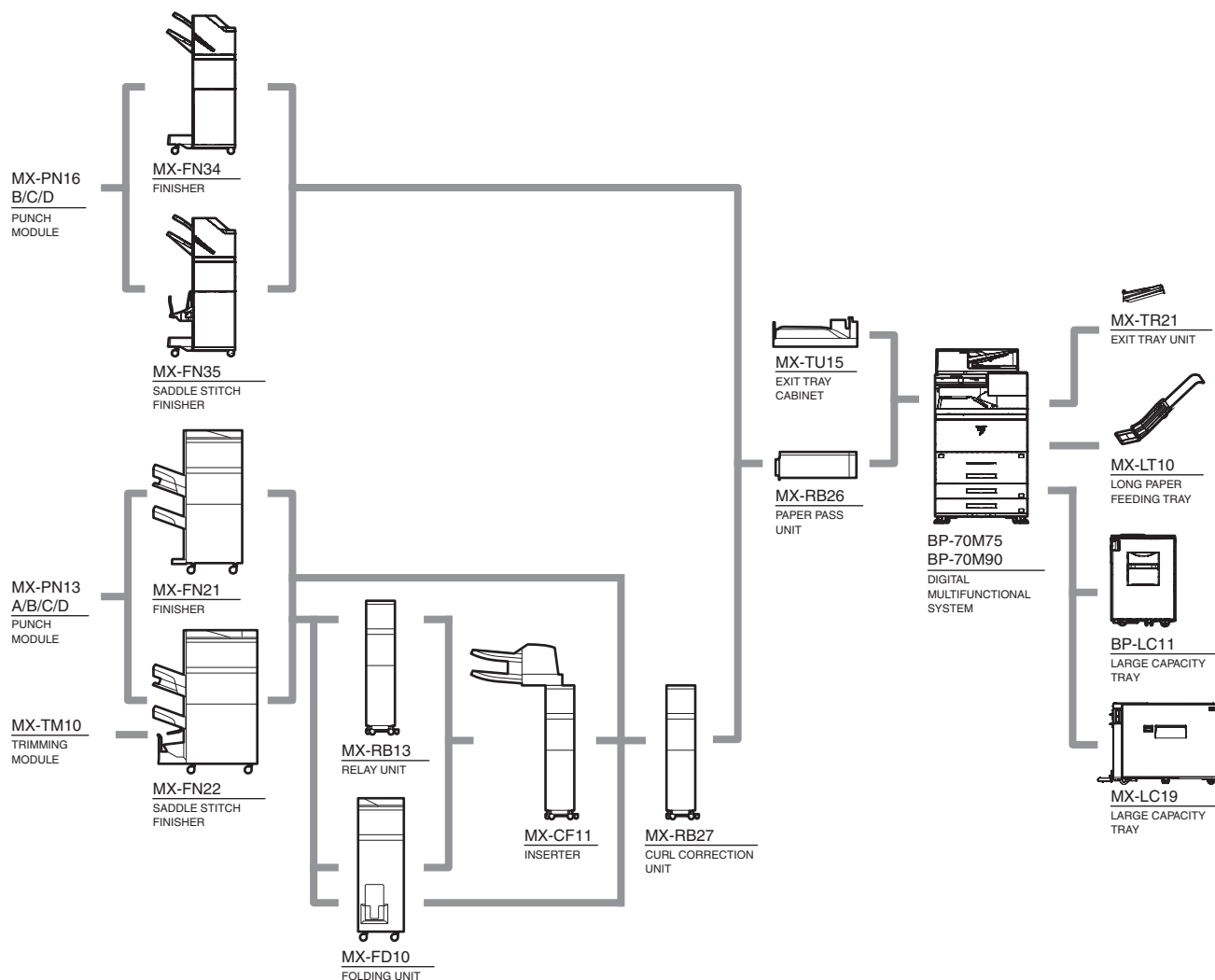
Since the hard disk drive is built in the machine, use care not to exert vibrations or shocks to the machine when in transit.

B. Delivery

Remove the packing materials prior to installation in the office environment.

CONFIGURATION

1. System diagram



MX-PF10 BARCODE FONT KIT	BP-FX11 FACSIMILE EXPANSION KIT	AR-SU1 STAMP UNIT	MX-FWX1 INTERNET FAX EXPANSION KIT	BP-FR12U DATA SECURITY KIT	MX-AMX1 APPLICATION INTEGRATION MODULE	BP-AM10 APPLICATION COMMUNICATION MODULE
BP-AM11 EXTERNAL ACCOUT MODULE	BP-EB10 WIRELESS LAN ADAPTOR	BP-SD10 HIGH CAPACITY SSD	BP-DD10 DOUBLE FEED DETECTION KIT	BP-VD10 VIRUS DETECTION KIT		

2. Option list

	Model name	Name	BP70M75 BP70M90	Remarks
Paper Feeder	BP-LC11	LARGE CAPACITY TRAY	OPT	A4
	MX-LC19	LARGE CAPACITY TRAY	OPT	A3
	MX-LT10	LONG PAPER FEEDING TRAY	OPT	
Paper exit system	MX-TR21	EXIT TRAY UNIT	OPT	
	MX-TU15	EXIT TRAY CABINET	OPT	
	MX-FN34	FINISHER	OPT	
	MX-FN35	SADDLE STITCH FINISHER	OPT	
	MX-PN16B	PUNCH MODULE	OPT	For FN34/FN35
	MX-PN16C		OPT	
	MX-PN16D		OPT	
	MX-RB26	PAPER PASS UNIT	OPT	
	MX-RB13	RELAY UNIT	OPT	For 100 sheets binding
	MX-FN21	FINISHER	OPT	100 sheets binding
	MX-FN22	SADDLE STITCH FINISHER	OPT	100 sheets binding/saddle 25 sheets binding
	MX-PN13A	PUNCH MODULE	OPT	For FN21/FN22
	MX-PN13B		OPT	
	MX-PN13C		OPT	
	MX-PN13D		OPT	
	MX-TM10	TRIIMING MODULE	OPT	
	MX-CF11	INSERTER	OPT	
	MX-RB27	CURL CORRECTION UNIT	OPT	
	MX-FD10	FOLDING UNIT	OPT	
Printer expansion	MX-PF10	BARCODE FONT KIT	OPT	
Image send expansion	BP-FX11	FACSIMILE EXPANSION KIT	OPT	.
	AR-SU1	STAMP UNIT	OPT	
	BP-DD10	DOUBLE FEED DETECTION KIT	OPT	
	MX-FWX1	INTERNET FAX EXPANSION KIT	OPT	
Authentication/ Security	BP-FR12U	DATA SECURITY KIT	OPT	Non-authentication version
Application	MX-AMX1	APPLICATION INTEGRATION MODULE	OPT	
	BP-AM10	APPLICATION COMMUNICATION MODULE	STD*/OPT	*Standard equipment in some area
	BP-AM11	EXTERNAL ACCOUNT MODULE	STD*/OPT	*Standard equipment in some area
	BP-SD10	HIGH CAPACITY SSD	OPT	
	BP-EB10	WIRELESS LAN ADAPTOR	STD/OPT*	*No support in some area
	BP-VD10	VIRUS DETECTION KIT	OPT	

STD: Standard equipment

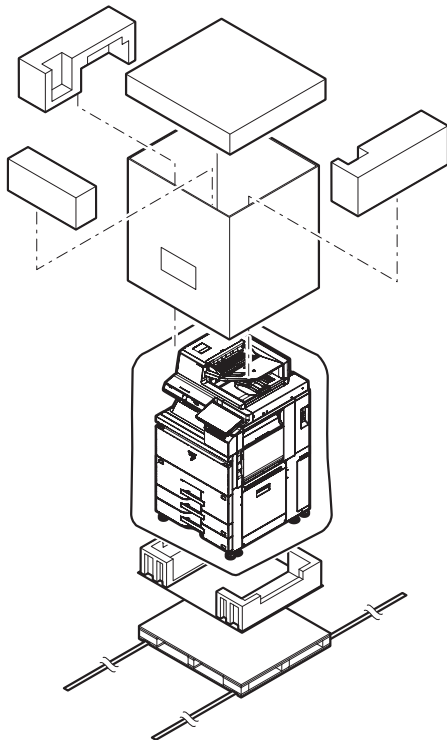
OPT: Installable option

[1] BP-70M75/70M90 (MAIN UNIT)

1. Unpacking

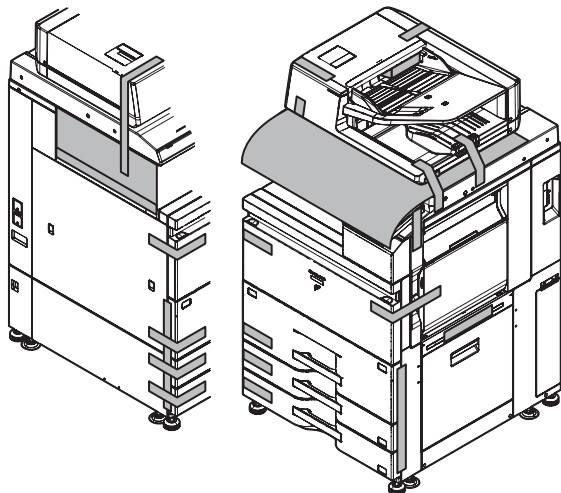
A. Pulling out the main unit

- 1) Remove the top case, the top cushion, the packing case.



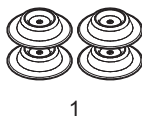
B. Fixing tape and protection material removal

- 1) Remove the fixing tape and the protection material.



C. Included parts check

- 1) Check to confirm that all the parts are provided.



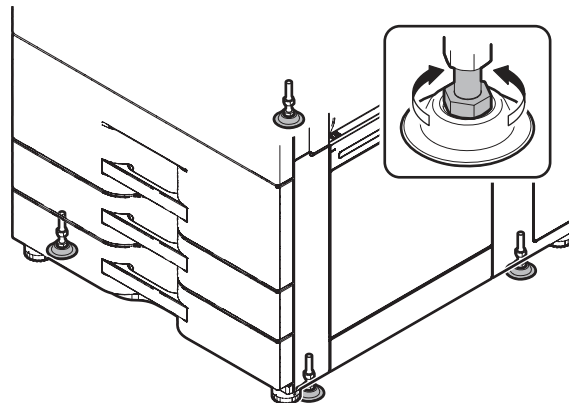
1

No.	Name	Quantity
1	Height adjuster plate	4

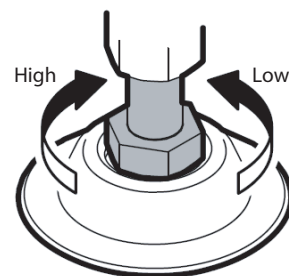
2. Installation

A. Machine height and tilt adjustments

- 1) Put the height adjuster plate (Packed items No.1 x4) under the adjuster bolt at the bottom of the machine. Turn the adjuster bolt to adjust the height and the tilt of the machine.



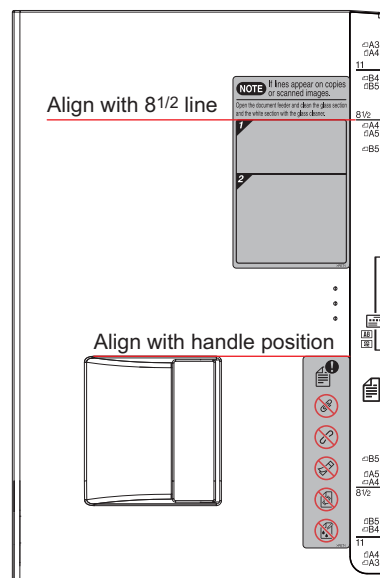
MEMO: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased. (Common to the options the height of which is adjusted by the adjuster bolt.)



NOTE: Lower the height of the MX-CF11 to the lowest position before adjusts the level between the MX-CF11 and the main body. Adjust the height of the top surface of main body reference to the top surface of the MX-CF11.

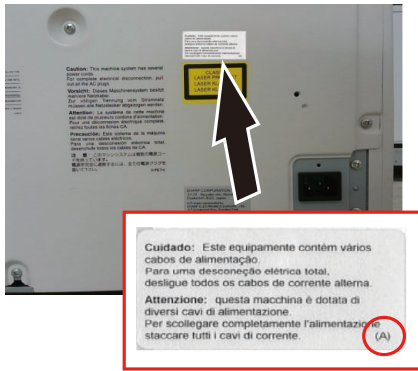
B. Label attachment

- 1) Attach the document scan section label to the top of the DSPF unit.



2) Only for Europe

Attach the Power supply careful label to the back of cabinet



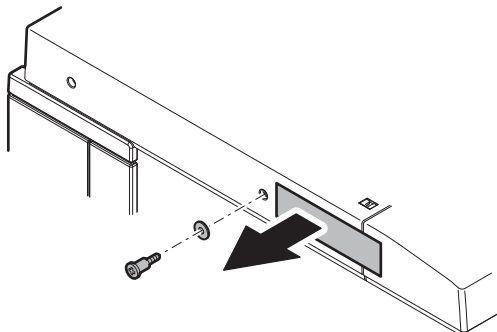
NOTE: choose a linguistic label according to the area.

Type	Name	Language
A	Power supply careful label EU-A	Portuguese/Italian
B	Power supply careful label EU-B	Dutch/Swedish
C	Power supply careful label EU-C	Norwegian/Finnish
D	Power supply careful label EU-D	Danish/Icelandic
E	Power supply careful label EU-E	Czech/Polish
F	Power supply careful label EU-F	Hungarian/Greek
G	Power supply careful label EU-G	Turkish/Slovak
H	Power supply careful label EU-H	Latvian/Romanian
I	Power supply careful label EU-I	Slovene/Croatian
J	Power supply careful label EU-J	Estonian/Lithuanian
K	Power supply careful label EU-K	Bulgarian

C. Lock release

(1) Scanner (2/3 mirror unit) lock release

- 1) Remove the scanner lock screw and the caution label.



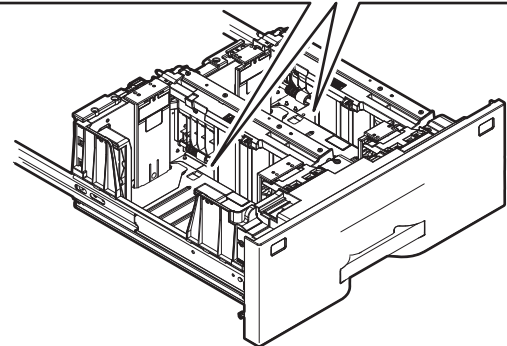
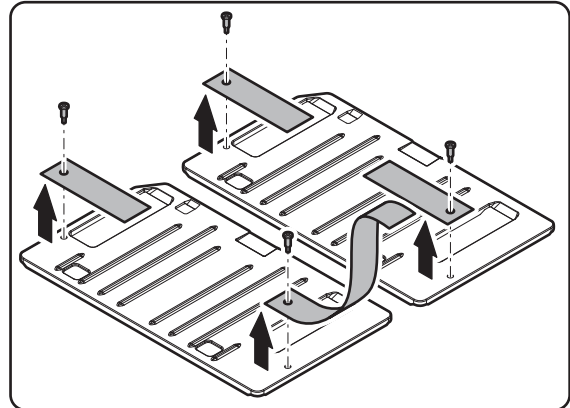
NOTE: Later, when you turn on the power switch, the following contents are displayed.

" Release the scanner lock first . "

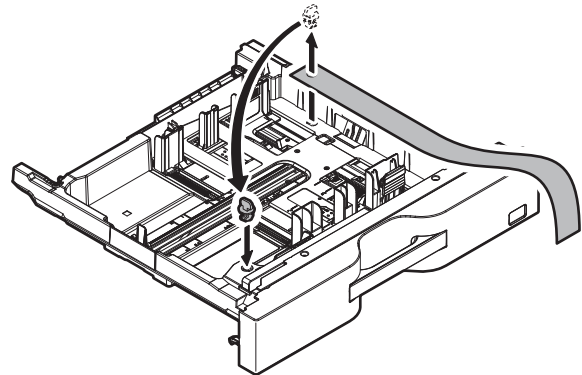
Confirm that you do not forget to remove the screw and press the OK button on the screen.

(2) Tray rotation plate lock release

- 1) Pull out trays 1 and 2, and remove the rotating plate lock screw and the tray caution label.

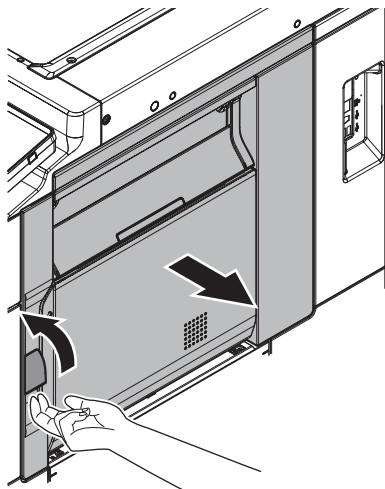


- 2) Pull out trays 3 and 4, and remove the rotating plate fixing material and the tray caution label. Remove the blue screw from the tray 3 only.

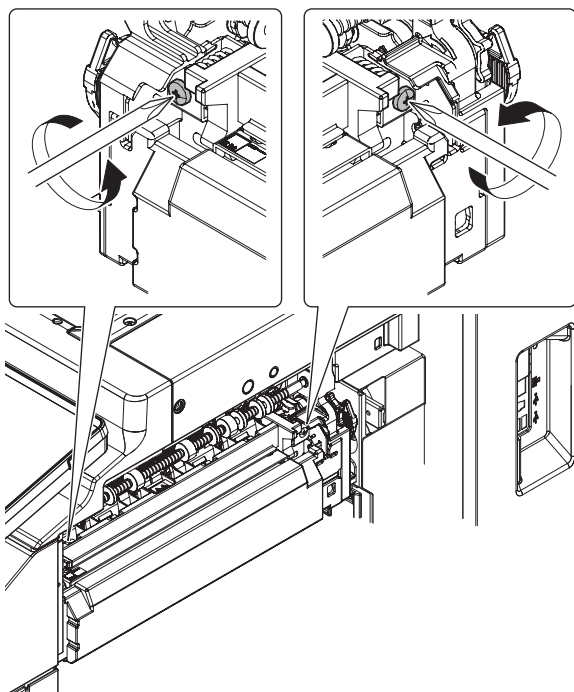


D. Fusing heat roller pressure

- 1) Pull the knob on the right door to pull out the right door.



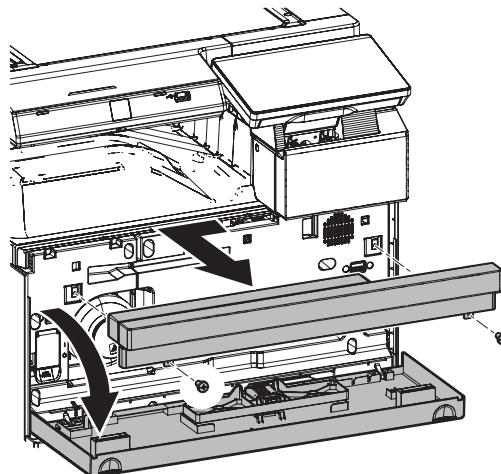
- 2) Turn the screw in the fusing section as shown in the figure below to press the heat rollers together.



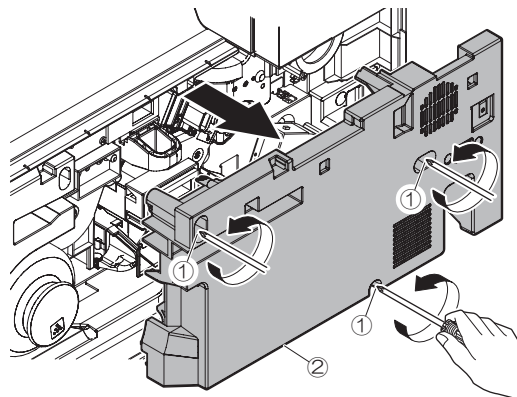
NOTE: If the machine is left unused for one month or more, the heat roller rubber may be deformed. avoid such a case, release the pressure before the machine is left unused.

E. Developer supply

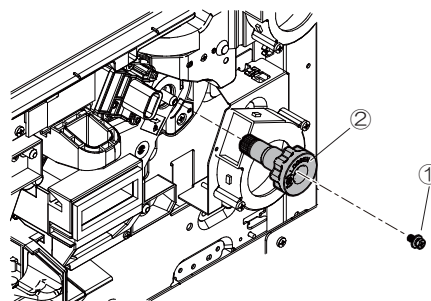
- 1) Open the right door unit.
- 2) Open the front cover and remove the cover.



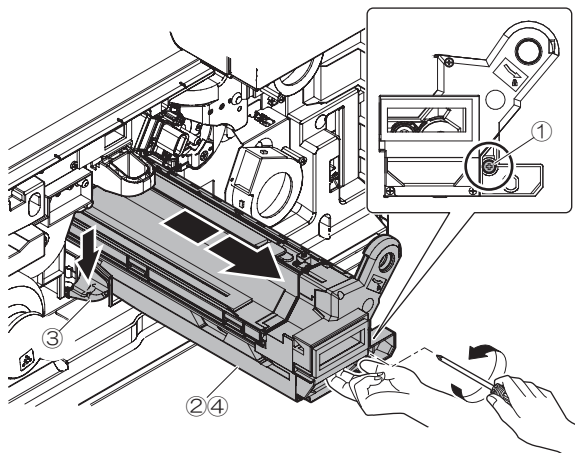
- 3) Loosen the screw and remove the cover.



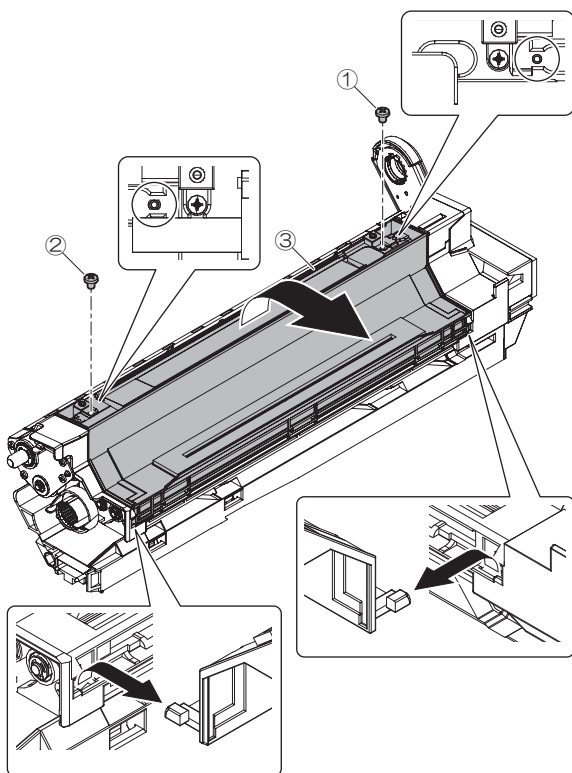
- 4) Remove the screws (reverse screw), and remove the positioning shaft.



- 5) Loosen the screw and pull out the developing unit.

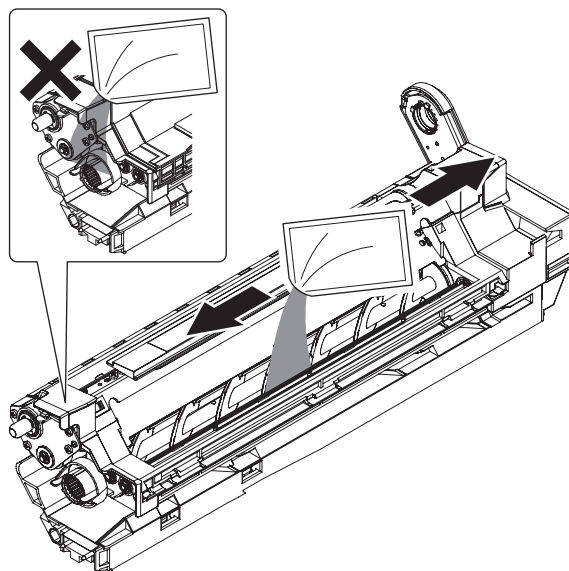


- 6) Remove the screws and the cover.

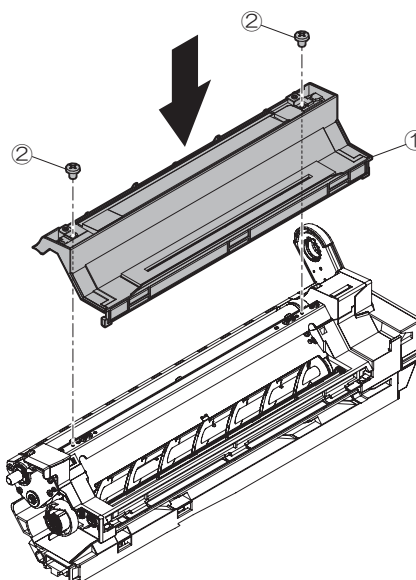


- 7) While supplying to the developer supply port of the developing unit, turn the MG gear clockwise with a plus screw driver to supply all developer to the developing unit.

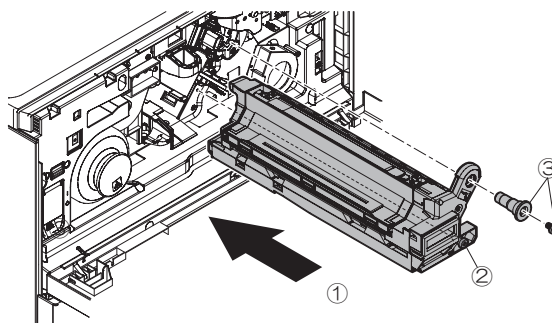
NOTE: When supplying developer, do not touch the MG roller with bare hands.



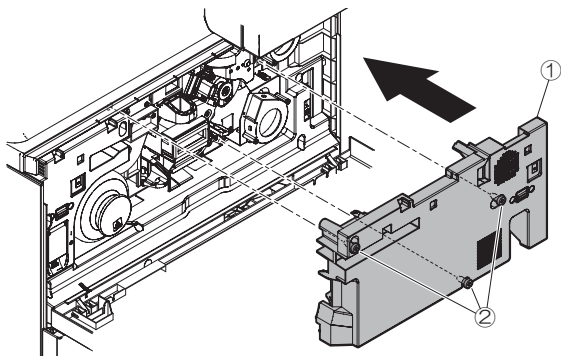
- 8) Install the cover and fix it with screws.



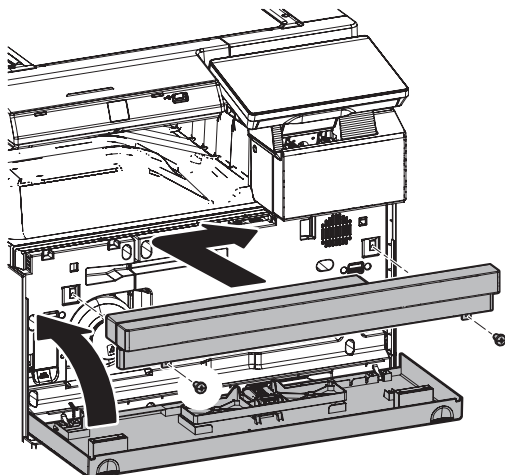
- 9) Insert developing unit to the main unit and fix it with screw (Reverse screw).



10) Install the cover and fix it with screws.

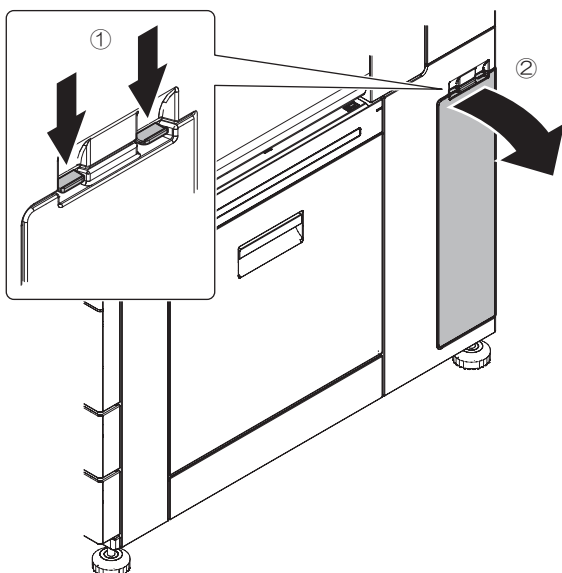


11) Install the cover and close the front cover.

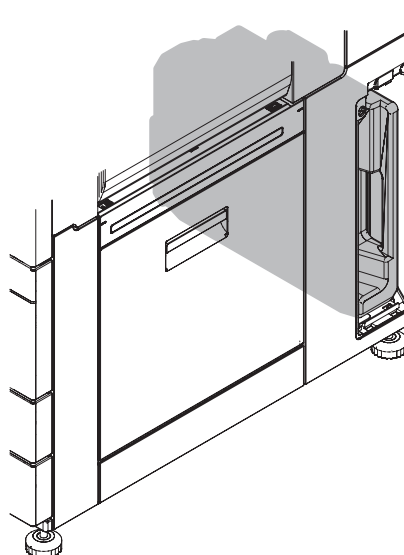


F. Toner collection container check

1) Open the right cover.

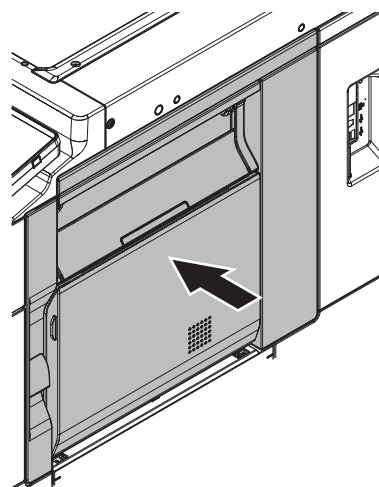


2) Check to confirm that toner collection container is securely installed.



G. Toner density reference control level setting

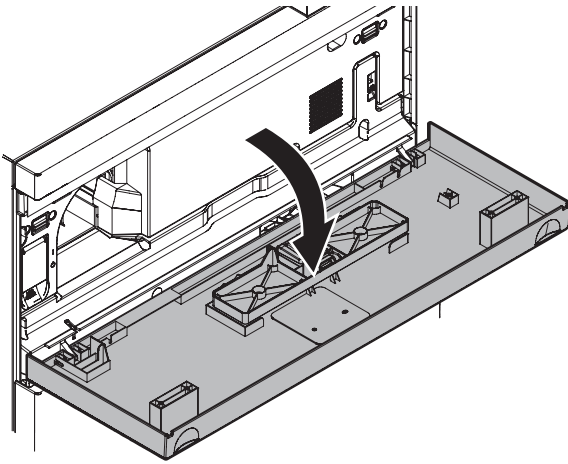
- 1) Connect the power cord of the main unit to the power outlet.
- 2) Open the right door unit.
- 3) Open the front cover, and turn ON the main power switch.
- 4) Turn ON the power switch on the operation panel.
- 5) To confirm NOT to put the toner cartridge. Then enter the input of SIM25-2.
- 6) After entering the simulation, close the right door unit.



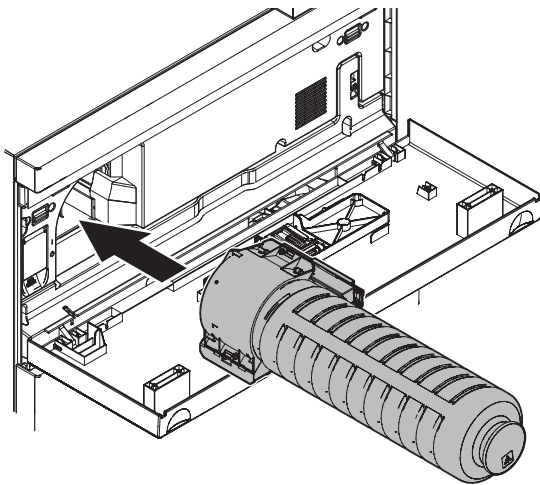
- 7) Press [EXECUTE] button, and the simulation is executed.
After stirring toner, the toner density control sensor values are sampled to get the average value of the sensor detection level, which is set (saved) as the reference toner density control value. (Takes about 3 minutes or longer depends on environment condition)
- 8) After completion of the reference toner density control value setting, [EXECUTE] key returns to the normal display, showing completion of the setting operation.

H. Toner cartridge installation

- 1) Open the front cover.



- 2) Install the toner cartridge then close the front cover.



I. Tray setup

(1) System setting

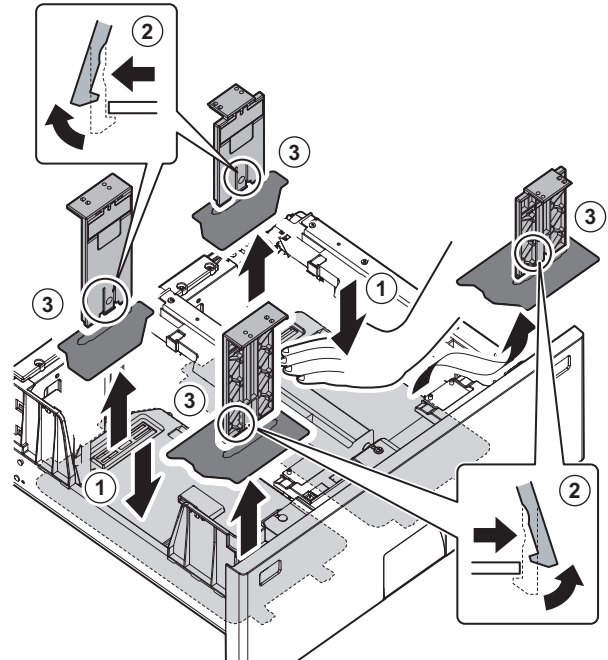
- 1) Touch the [Paper Tray Settings] key.
- 2) Touch the [Paper Tray Settings] key to configure the settings. These settings specify the paper type, paper size, and functions allowed for each paper tray. When the [Tray Settings] key is touched, a list appears showing the trays and the current settings.
- 3) Touch the [Change] key in the above screen to change the settings. The following settings can be configured.

Item	Description
Type	Select the type of paper that is loaded in the tray. The paper types that can be selected vary by paper tray.
Size	Select the paper size from the list. The paper sizes that can be selected vary by tray. The sizes that can be selected may also be restricted by the paper type selected above. If the desired size does not appear in the list, select [Custom Size] and directly enter the size (only for the bypass tray).
Feeding Approved Job	Select the modes that can be used. If there is a function that you do not wish to be used with the selected tray, disable the function. When the "Type" is other than plain paper, recycled paper, colored paper, or a user type, [Fax] and [Internet Fax] cannot be selected.

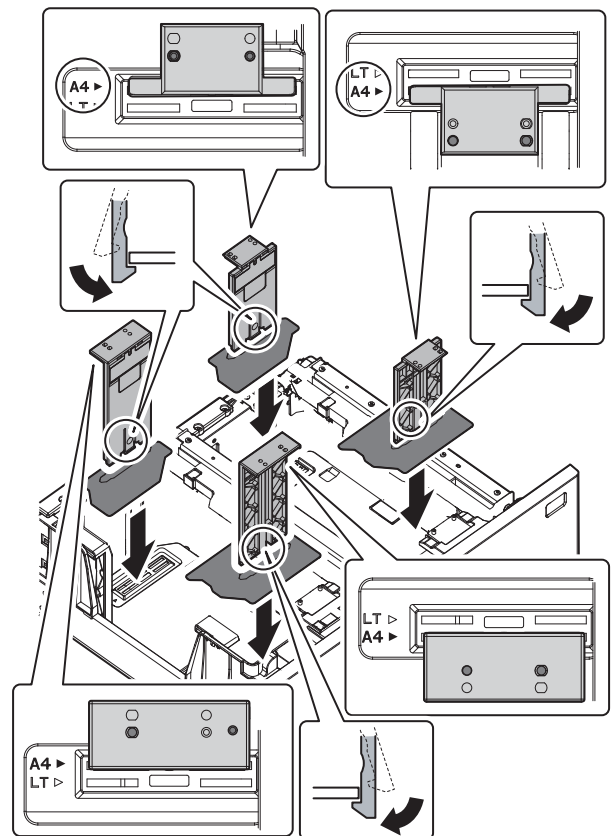
(2) Tray size setup

a. Inch series tray 1, tray 2 (LT to A4)

- 1) Open the tandem paper feed tray.
- 2) Push down the paper feed base plate gently, hold the hooks and remove A4 size regulation plate.



- 3) Fit the A4 size regulation plate to A4 size, and attach it.
* Be careful to place and direction that install the sheet.



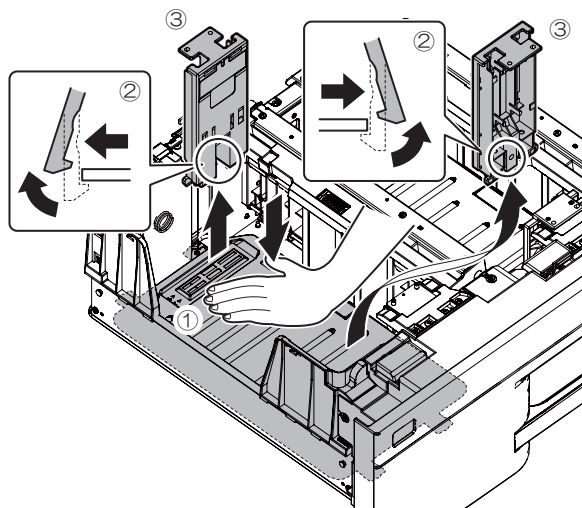
- 4) Close the tandem paper feed tray.

b. A4-B5 series tray 1 (A4 to B5)

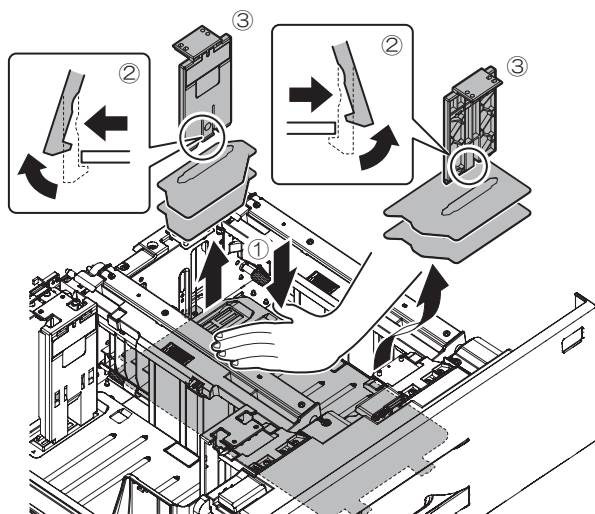
MEMO: Except Europe, Australia, and New Zealand

- 1) Open the tandem paper feed tray.
- 2) Push down the paper feed base plate of the tray 1 gently, hold the hooks and remove A4 size regulation plate. Remove the sheet.

NOTE: Double the sheet that have been removed, and store it to the tray 2.



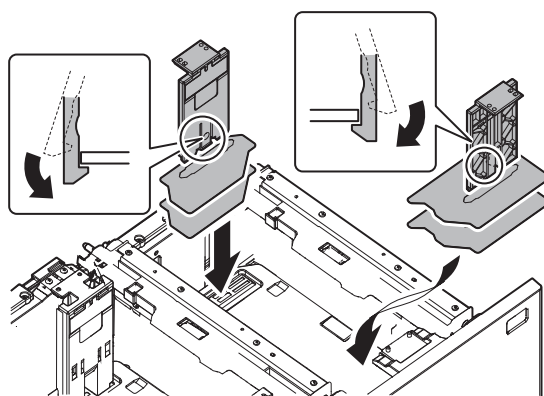
- 3) Push down the paper feed base plate of the tray 2 gently, hold the hooks and remove A4 size regulation plate. Remove the sheet.



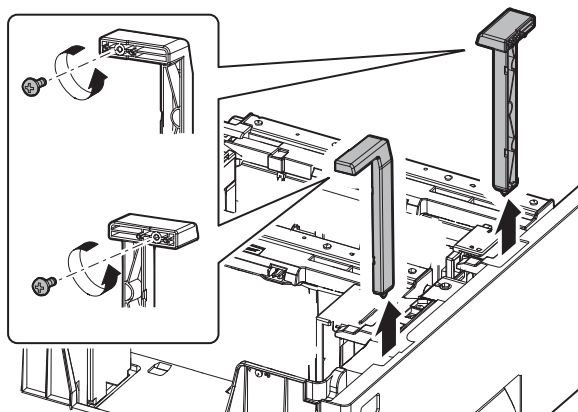
- 4) Double the sheet that have been removed in step 2 and step 3, and install the A4 size regulation plate.

NOTE: Double the sheet, and install it.

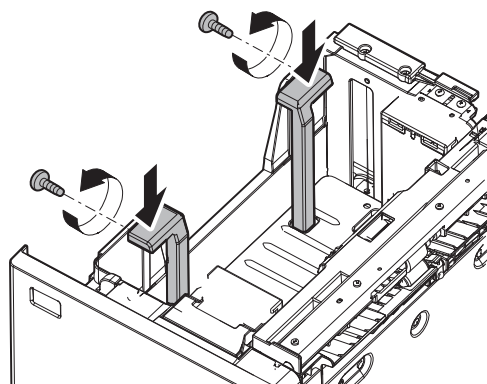
NOTE: Be careful to place and direction that install the sheet.



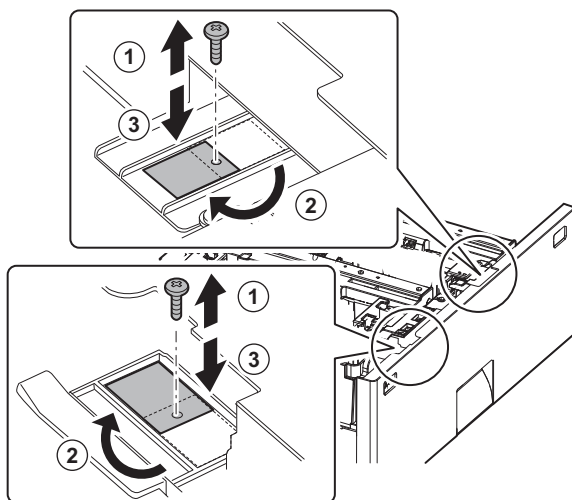
- 5) Remove the rear end regulation plate F and R, and remove the screw.



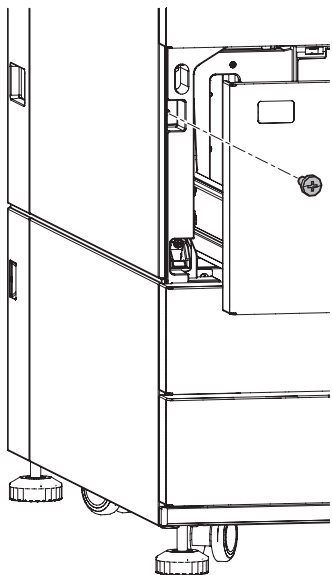
- 6) Install the rear end regulation plate F and R, and fix with the screw.



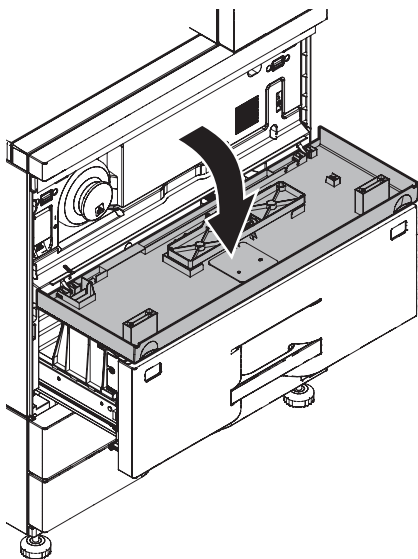
- 7) Remove the screw, and remove the mylar sheet. Change the installing direction and install with screws. (2 positions)



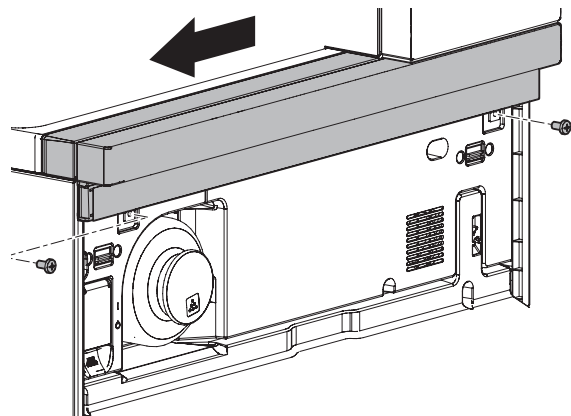
- 8) Pull out the tray 1,2 and remove the screw.



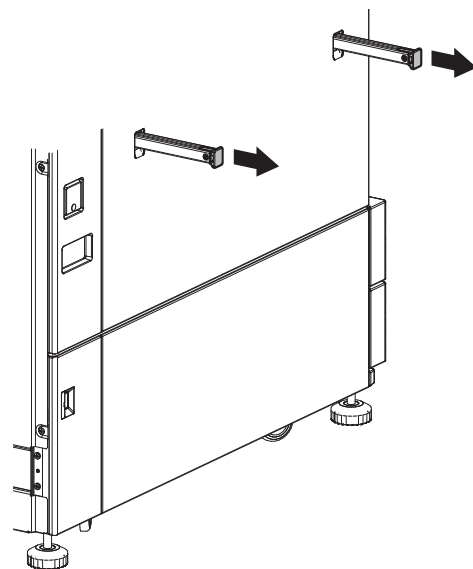
- 9) Open the front cover.



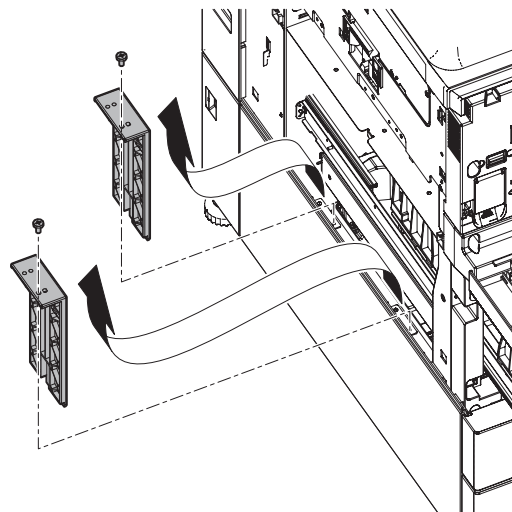
- 10) Remove the screw and the cover.



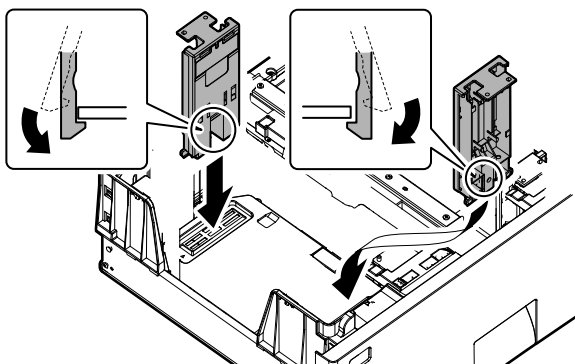
- 11) Pull out the lever and remove the cover.



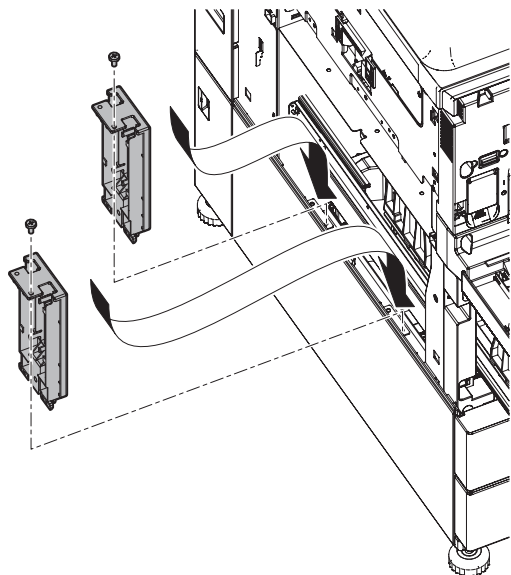
- 12) Remove the B5 size regulation plate.



- 13) Install the B5 size regulation plate to the tray 1.



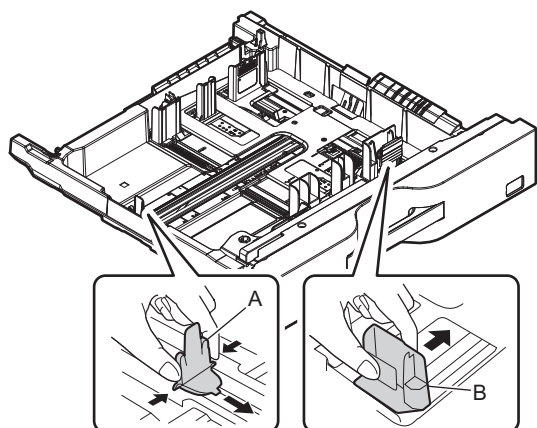
- 14) Attach the A4 size regulation plate to inner side of the left cover.



- 15) Close the left cover.
16) Close the tandem paper feed tray.
17) Install the cover and close the front cover.

c. Tray 3, Tray 4

- 1) Pull out the paper tray. Gently pull the tray out until it stops.
If paper remains in the tray, remove it.
2) Adjust the guide plates A and B by squeezing their lock levers and sliding them to match the vertical and horizontal dimensions of the paper to be loaded. The guide plates A and B are slidable. Slide each guide plate while squeezing its lock lever.



J. Specifications setup

Used to set the specifications with SIM26 according to the customer's request.

SIM No		Content
26	6	Used to set the destination.

To customize the following items after completion of the destination setup, change the set values.

SIM No		Content
26	2	Paper size setting of the Tray1/LCC.
	3	Used to set the auditor specification mode.
	5	Used to set the number (1 or 2) of count of paper (A3 or WLT or 8K) that passes. 1:1pc 2:2pcs * Targets: Total counter, maintenance counter, developer counter.
	18	Used to set YES/NO of the toner save mode (Only in UK and Japan versions) * Carry out the setting by the user's program except the UK version. 1:accept 2:inhibit
	52	Used to set whether non-printed paper (insertion paper, cover paper) is counted up or not. 1:YES 2:NO

K. Image quality check

Be sure to check the following items related to image quality. For details of the adjustment and checking procedures, refer to the "[5] ADJUSTMENT" on the Service Manual. Check that the following items are within specification. If not, carry out the adjustment.

(1) Execution items

Execute the following items.

No.	Item	SIM
1	Copy gray balance and density check	
2	Printer gray balance/density check	64-5

When there are defects in a picture by the contents mentioned above, you carry out the following contents, and confirm a picture.

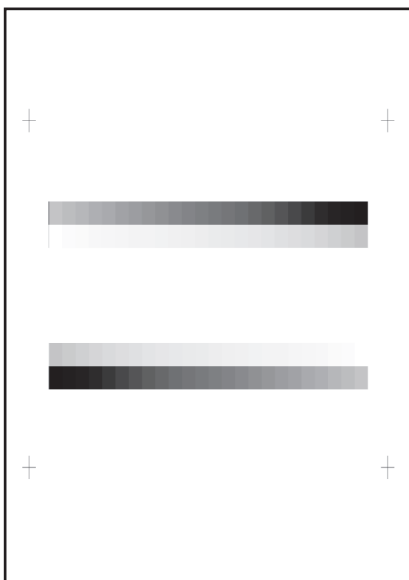
No.	Item	SIM
4	Copy/Printer gray balance adjustment (Automatic adjustment)	46-74
5	Print/scan image off-center, lead edge position adjustment	50-10

(2) Image loss, void area (see ADJ 3)

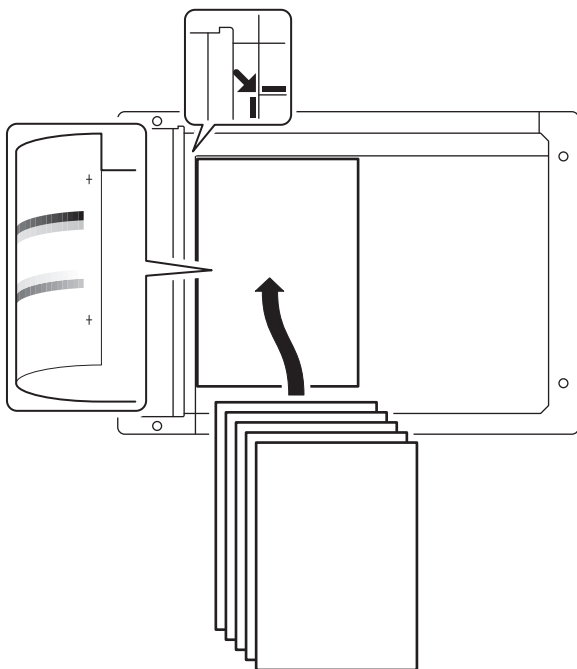
(3) Copy gray balance (ADJ 11-C / Auto adjustment)

- 1) Enter the SIM 46-74 mode.
- 2) Press [EXECUTE] button.

The high density process control is performed, and the copy gray patch image (adjustment pattern) is printed out.
(A4/11" x 8.5" or A3/11" x 17" paper is automatically selected.)

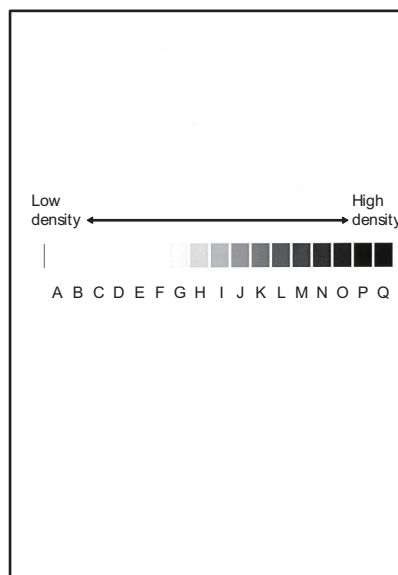


- 3) Set the gray patch image (adjustment pattern) paper printed in procedure 2) on the document table. Set the gray patch image (adjustment pattern) printed in the procedure 2) on the document table. Place the gray patch image so that the fine lines are on the left side. At that time, place 5 sheets of white paper on the printed gray patch image (adjustment pattern).

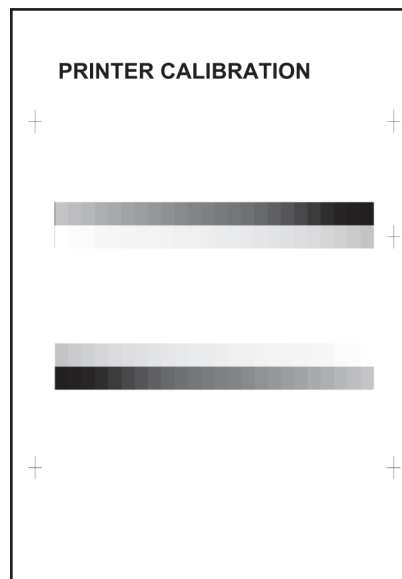


- 4) Press [EXECUTE] button.

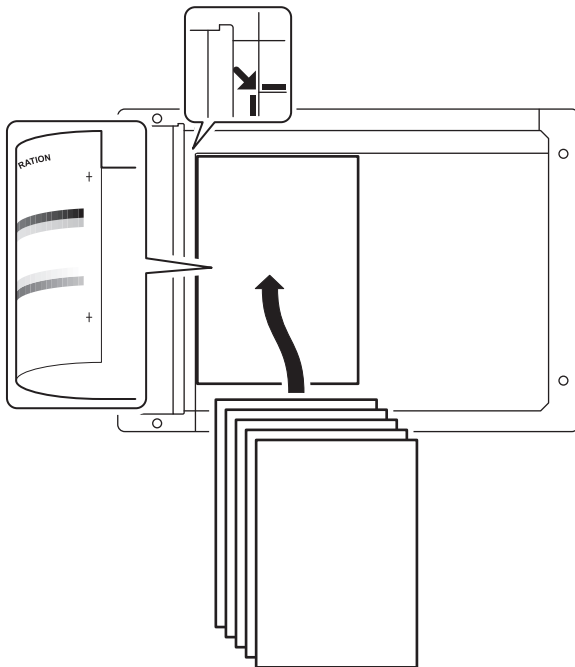
The copy density and gradation adjustment is performed automatically, and the adjustment pattern is printed. If there is any streak or unclear print on the printed check pattern, check the print engine for any problems.



- 5) Press [EXECUTE] key. The printer gray patch image (adjustment pattern) is printed out.
(A4/11" x 8.5" or A3/11" x 17" paper is automatically selected.)

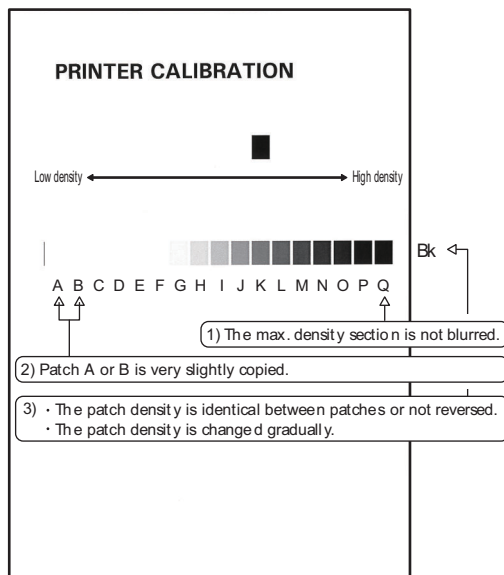


- 6) Set the gray patch image (adjustment pattern) printed in the procedure 5) on the document table. Set the gray patch image (adjustment pattern) printed in the procedure 2) on the document table. Place the gray patch image so that the fine lines are on the left side. At that time, place 5 sheets of white paper on the printed gray patch image (adjustment pattern).



- 7) Press [EXECUTE] key.

The printer gray balance adjustment (step 1) is automatically performed and the gray balance check patch image is printed out. If there is any streak or unclear print on the printed check pattern, check the print engine for any problems.



- 8) The initial setting menu of the halftone image correction is displayed. Press [OK] key. The initial setting of the halftone image correction is performed.
- 9) Wait until [EXECUTE] key is displayed. When it is displayed, press it. The halftone image correction is performed.

- 10) When "COMPLETED THIS PROCEDURE" is displayed, the adjustment operation is completed.

Cancel SIM46-74.

NOTE: The adjustment result becomes valid only when the both adjustments in the copy mode and in the printer mode are completed. For example, if the copy gray balance adjustment (automatic adjustment) is performed and the simulation is canceled, the adjustment result is invalid.

- 11) Check the copy gray balance and density.
- 12) Check the printer gray balance and density.

(Refer to the item of the printer gray balance and density check.) If a satisfactory result on the gray balance and the density is not obtained with the automatic adjustment, execute the manual adjustment (SIM 67-25) (ADJ 11E (2)). Also when the service target is selected in procedure 7) to execute the automatic adjustment and a satisfactory result is not obtained, perform the manual gray balance adjustment (ADJ 11E (2)). If the gray balance or density is not in the satisfactory level even after execution of the automatic and manual adjustments, there may be another cause. Troubleshoot the cause, repair or perform necessary works, and repeat the adjustment from the beginning.

[2] Heater kit

1. Parts list

Kit name	Kit part code	No.	Parts name	Part code	Q'ty
Heater electric component kit	DKIT-0480FCZZ (100V series)	1	Dehumidifier heater switch	QSW-C9294QCZZ	1
		2	Label for heater switch	TLABZ5256FCZZ	1
	DKIT-0481FCZZ (200V series)	3	Supporter	LSUPP0140FCPZ	4
		4	WH PWB	CPWBF1935FCE5	1
		5	WH harness (100V series)	DHAI-6231FCPZ	1
			WH harness (200V series)	DHAI-6232FCPZ	1
		6	Screw (4×8K)	XBPS740P08K00	1
		7	Wire saddle (RLWC-3SV0)	LHLDW1892FCPZ	2
		8	Connector attaching holder	PCOVP2804FCZZ	1



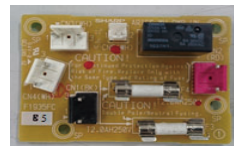
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Kit name	Kit part code	No.	Parts name	Part code	Q'ty
Scanner heater kit	DKIT-0488FCZZ (100V series)	1	Scanner heater (100V series)	RHETP0178FCPZ	1
			Scanner heater (200V series)	RHETP0179FCPZ	1
	DKIT-0489FCZZ (200V series)	2	Heater fixing plate	LPLTM6923FCZZ	1
		3	Band	LBNDJ0013FCZ1	2
		4	Clamp (YMC-05-0)	LHLDW7011XCZZ	5
		5	Screw(3×4)	LX-BZ1041FCZZ	2
		6	Screw(4×6)	XHBS740P06000	1
		7	Snap band	LBNDJ0043FCZZ	1



1



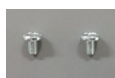
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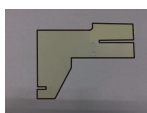
6



7

Following part is necessary to prepare as service parts before installation.

No.	Parts name	Part code	Q'ty
8	Harness protection sheet	PSHEP7021FCZZ	1



8

Kit name	Kit part code	No.	Parts name	Part code	Q'ty
Tandem heater kit	DKIT-0482FCZZ (100V series)	1	Tandem heater (100V series)	RHETP0166FCP1	1
			Tandem heater (200V series)	RHETP0167FCP1	1
	DKIT-0483FCZZ(200V series)	2	Heater fixing plate	LPLTM6089FCZ3	1
		3	Heater cover	PCOVP1654FCZ4	1
		4	Heater harness sheet	PSHEZ5135FCZZ	1
		5	Heater cover sheet	PSHEZ5012FCZZ	1
		6	Screw (M4x6 S-tight)	XHBS740P06000	1
		7	Screw (M3x8 S-tight)	XHBS730P08000	3
		8	High temperature warning label	TLABZ5459FCZZ	1
		9	Tandem WH harness	DHAI-6251FCPZ	1
		10	Clamp	LHLDW2037FCPZ	1
		11	Wire saddle	LHLDW2486FCPZ	3



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3



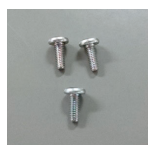
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11

Kit name	Kit part code	No.	Parts name	Part code	Q'ty
Cassette heater kit (R)	DKIT-0484FCZZ(100V series)	1	Cassette heater (100V series)	RHETP0166FCP1	1
			Cassette heater (200V series)	RHETP0167FCP1	1
	DKIT-0485FCZZ(200V series)	2	Heater fixing plate	LPLTM6089FCZ3	1
		3	Heater cover	PCOVP1654FCZ4	1
		4	High temperature warning label	TCAUH1035FCZZ	1
		5	Screw (M3x8 S-tight)	XHBS730P08000	4
		6	Cassette WH harness	DHAI-6250FCPZ	1
		7	Heater harness sheet	PSHEP5135FCZZ	1
		8	Clamp	LHLDW2037FCPZ	1



1



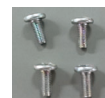
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Kit name	Kit part code	No.	Parts name	Part code	Q'ty
Cassette heater kit (L)	DKIT-0486FCZZ (100V series)	1	Cassette heater (100V series)	RHETP0166FCP1	1
			Cassette heater (200V series)	RHETP0167FCP1	1
	DKIT-0487FCZZ (200V series)	2	Heater fixing plate	LPLTM6089FCZ3	1
		3	Heater cover	PCOVP1654FCZ4	1
		4	High temperature warning label	TCAUH1035FCZZ	1
		5	Screw (M3x8 S-tight)	XHBS730P08000	4
		6	Cassette WH harness	DHAI-6250FCPZ	1
		7	Heater harness sheet	PSHEP5135FCZZ	1
		8	Clamp	LHLDW2037FCPZ	2



1



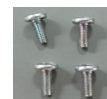
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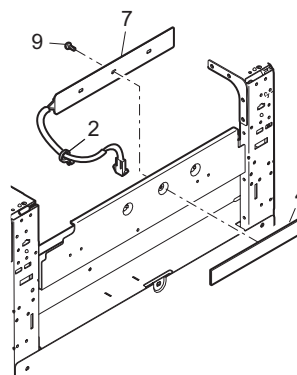
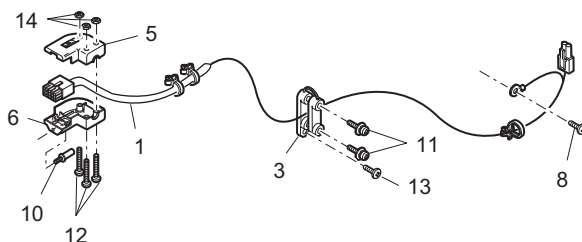


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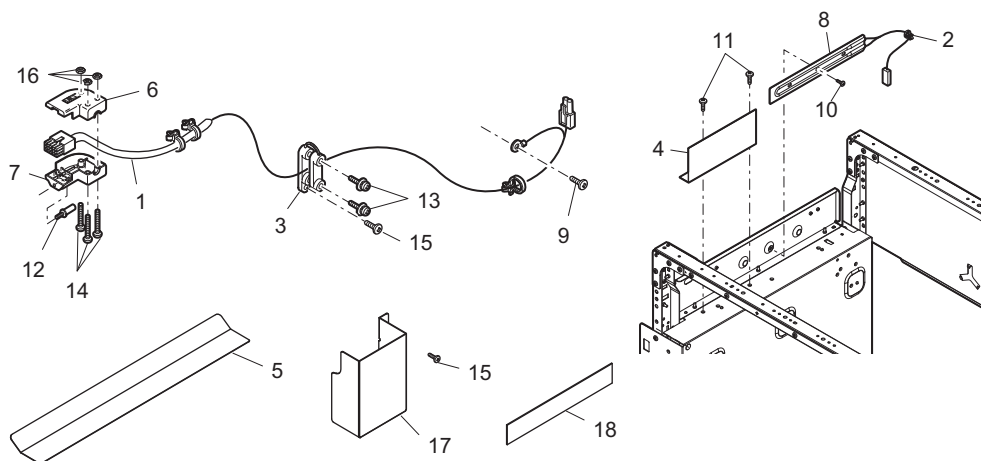


8

Kit name	Kit part code	No.	Parts name	Part code	Q'ty
LCC (A4) heater kit	DKIT-0490FCZZ (100V series)	1	Heater harness (100V series)	DHAI-6294FCPZ	1
			Heater harness (200V series)	DHAI-6295FCPZ	1
	DKIT-0490FC11 (200V series)	2	Snap band (Assembled parts in KIT)	LBNDJ0043FCP1	1
		3	AC cord fixer	LFIX-0016FCZZ	1
		4	Protect sheet	PFLT-0067FCP1	1
		5	Connector cover A (Assembled parts in KIT)	GCOV-0439FCZZ	1
		6	Connector cover B (Assembled parts in KIT)	GCOV-0440FCZZ	1
		7	Heater (100V series)	RHTP0175FCPZ	1
			Heater (200V series)	RHTP0176FCPZ	1
		8	Screw (M4 x 8K)	XBPS740P08K00	1
		9	Screw (M3 x 4)	XHBS730P04000	1
		10	Screw for EL connector (Assembled parts in KIT)	LX-BZ1119FCZZ	1
		11	Screw (M4 x 28K)	XBPS740P28K00	2
		12	Screw (M3 x 20) (Assembled parts in KIT)	XBBS730P20000	3
		13	Screw (M4 x 10)	XHBS740P10000	1
		14	Nut (M3 = 2.4) (Assembled parts in KIT)	XNES730-24000	3



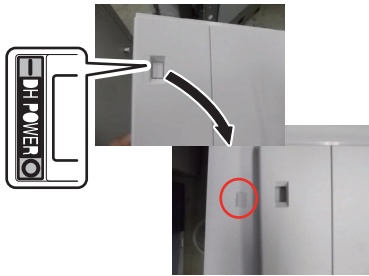
Kit name	Kit part code	No.	Parts name	Part code	Q'ty
LCC (A3) heater kit	DKIT-0491FCZZ (100V series)	1	Heater harness (100V series)	DHAI-6296FCPZ	1
			Heater harness (200V series)	DHAI-6297FCPZ	1
	DKIT-0491FC11 (200V series)	2	Snap band (Assembled parts in KIT)	LBNDJ0043FCP1	1
		3	AC cord fixer	LFIX-0016FCZZ	1
		4	Heater cover	PCOV1942FCZZ	1
		5	Heater sheet	PSHEZ5482FCZZ	1
		6	Connector cover A (Assembled parts in KIT)	GCOV-0439FCZZ	1
		7	Connector cover B (Assembled parts in KIT)	GCOV-0440FCZZ	1
		8	Heater (100V series)	RHTP0175FCPZ	1
			Heater (200V series)	RHTP0176FCPZ	1
		9	Screw (M4 x 8K)	XBPS740P08K00	1
		10	Screw (M3 x 4)	XHBS730P04000	1
		11	Screw (M4 x 8 Round-tipped S-tight)	LX-BZ0941FCPZ	2
		12	Screw for EL connector (Assembled parts in KIT)	LX-BZ1119FCZZ	1
		13	Screw (M4 x 28K)	XBPS740P28K00	2
		14	Screw (M3 x 20) (Assembled parts in KIT)	XBBS730P20000	3
		15	Screw (M4 x 8)	XHBS740P08000	2
		16	Nut (M3 = 2.4) (Assembled parts in KIT)	XNES730-24000	3
		17	Connector cover	PCOV2658FCZZ	1
		18	Protect sheet	PFLT-0067FCP1	1



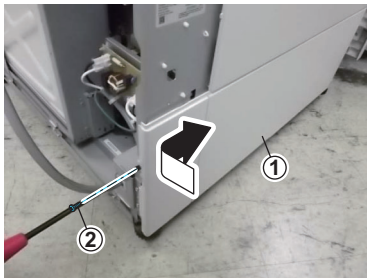
- 5) Cut the switch part of the left cabinet lower.
Attach the label for dehumidifier heater switch to the left cabinet lower.

NOTE: Be careful not to damage the cabinet.

NOTE: Wipe the surface where the label is to be affixed with alcohol, then attach the label along the concave on left cabinet lower.



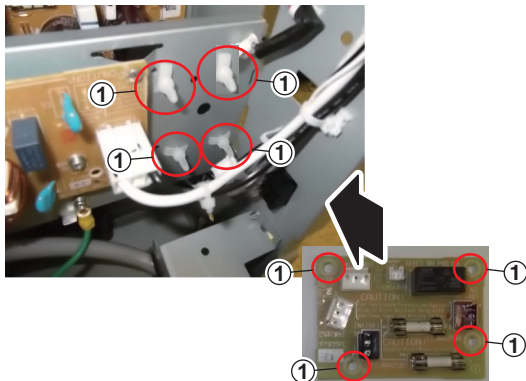
- 6) Attach the left cabinet lower, and fix by the screw.



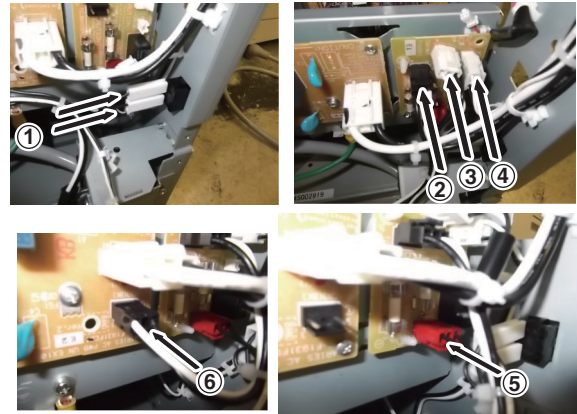
(2) Attach the WH PWB

- 1) Insert the supporter to the frame of the power unit, and attach the WH PWB on it.

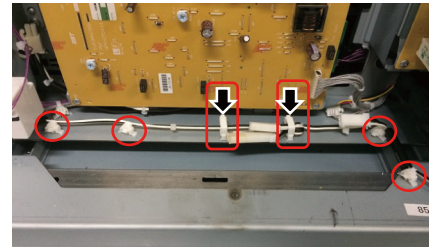
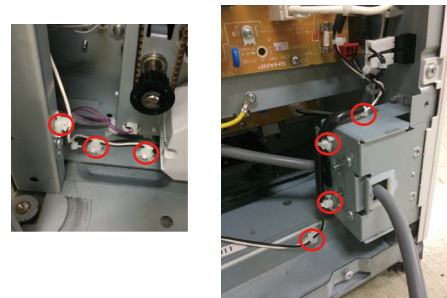
NOTE: Be careful not to break the PWB when mounting the PWB to the supporters.



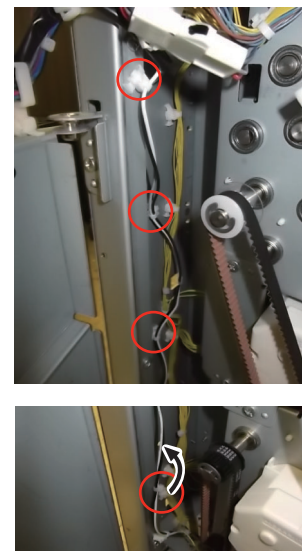
- 2) Remove the harness from harness lifter, and connect the connector into the dehumidifier heater switch, the WH PWB and AC PWB.



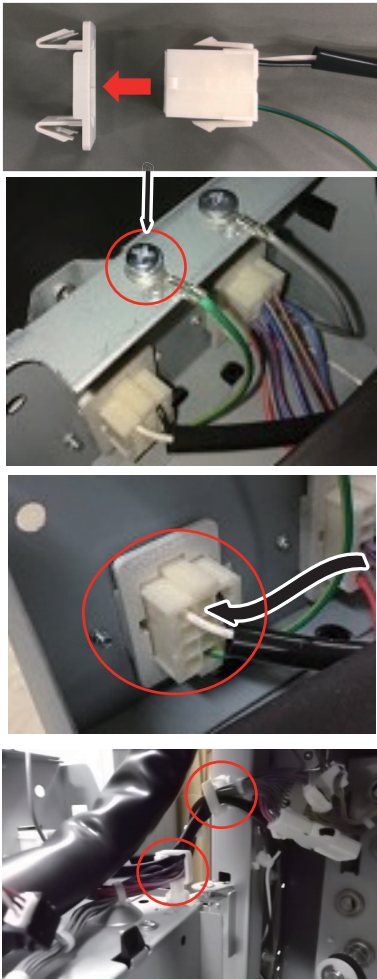
- 3) Attach the connector of WH harness to the frame.
Attach the wire saddles to the frame. Pass the WH harness through the wire saddle, and fix the snap band to the frame.



- 4) Fix the snap band to the frame.



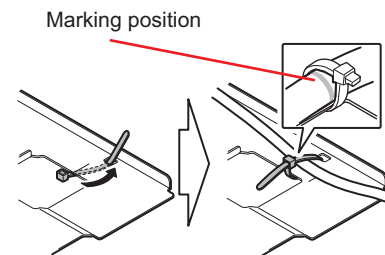
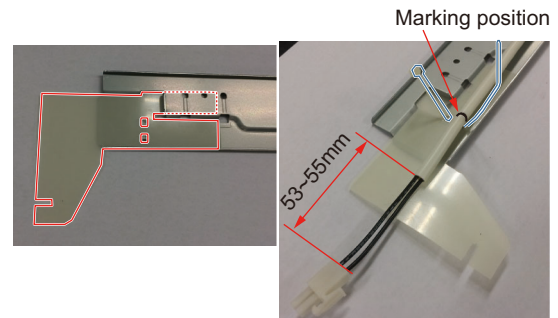
- 5) Attach the connector attachment holder to the connector of the WH harness.
Attach the connector of WH harness to the frame, and attach the ground terminal by the screw (M4 x 8).
Pass the WH harness through the wire saddle.



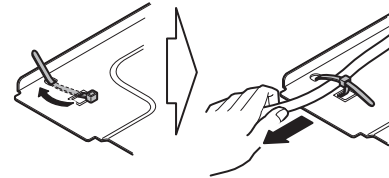
C. Installation of the scanner heater kit

(1) Assembling of the scanner heater unit

- 1) Attach the harness protection sheet to the heater fixing plate.
Secure the marking position on the harness of the scanner heater to the heater fixing plate with the banding band.

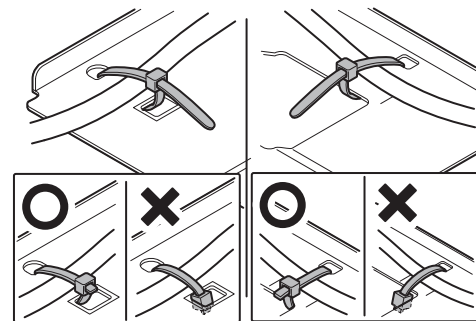


- 2) Extend the harness, and secure the other position of it with banding band.



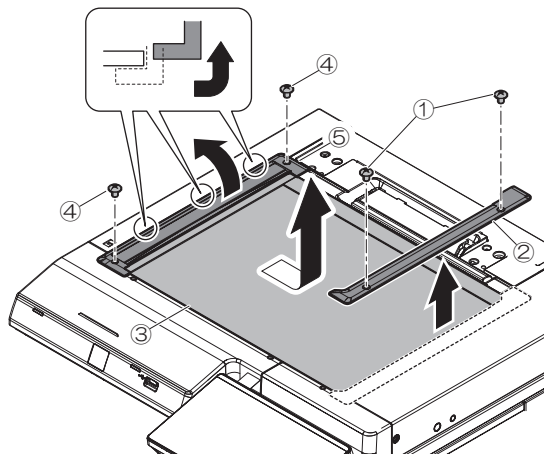
- 3) Tighten the snap band and cut its tip to approx. 5 mm or less.
Slide the banding band head to the square hole.

NOTE: The banding band head and cut tip must not protrude behind the heater fixing plate.



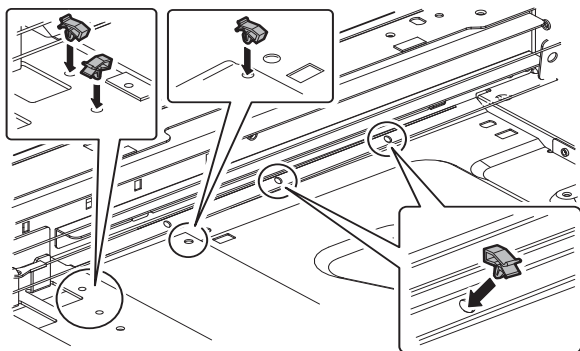
(2) Attach the scanner heater unit

- 1) Remove the screw, and remove the glass holder. Remove the table glass. Remove the screw, and remove the SPF glass.

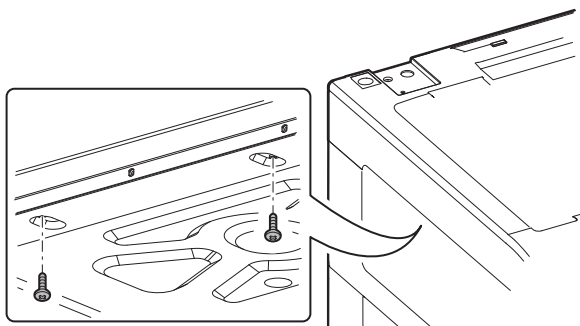


- 2) Attach the clamp to the scanner frame.

NOTE: When installing, be careful to prevent damage of the wire.

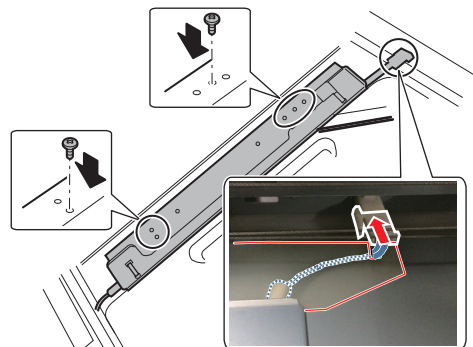


- 3) Remove two screws from the scanner bottom.



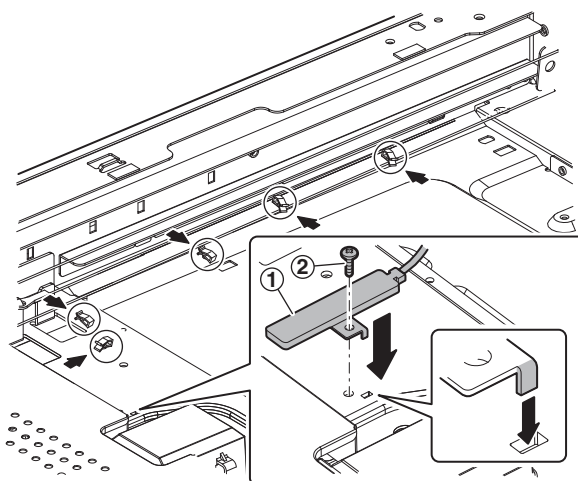
- 4) Pass the heater harness through the cutout of the seat. Connect the harness of the scanner heater. Install the heater fixing plate of the scanner heater unit, and secure it with the screw (M3 x 4 Round-tipped).

NOTE: Confirm that harness and sheet are not in contact with the wire.

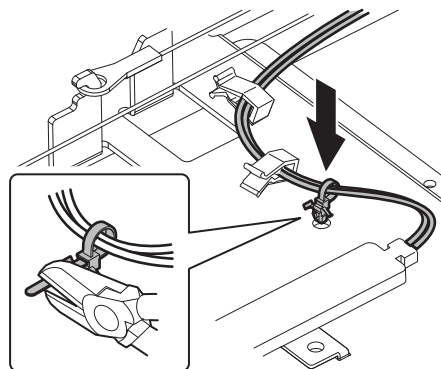


- 5) Install the scanner heater and secure it with the screw (M4 x 6 Bind machine screw). Pass the harness through the clamp.

NOTE: The convex part of the scanner heater must be inserted into the hole of the scanner frame.

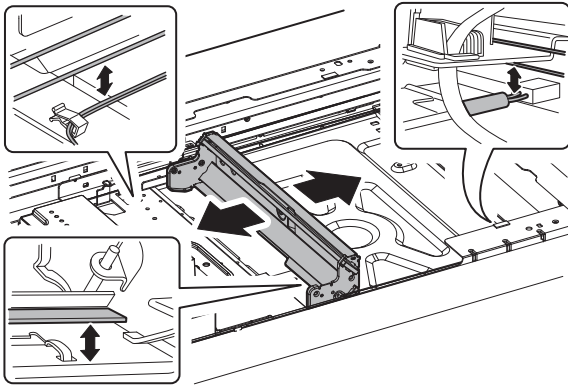


- 6) Tighten the loose scanner heater harness by pulling it in the arrow direction and secure it with the snap band then cut its tip to approx. 5 mm or less.

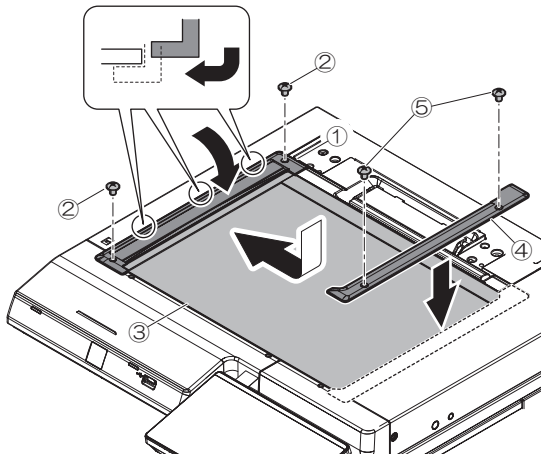


- 7) Move the lamp unit by hand and check that it move smoothly in all movable area.

NOTE: Check that there is no interference of the harness of the scanner heater in the wire and the 2/3 mirror unit.



- 8) Attach the SPF glass, and fix by the screw. Attach the table glass. Attach the glass holder, and fix by the screw.

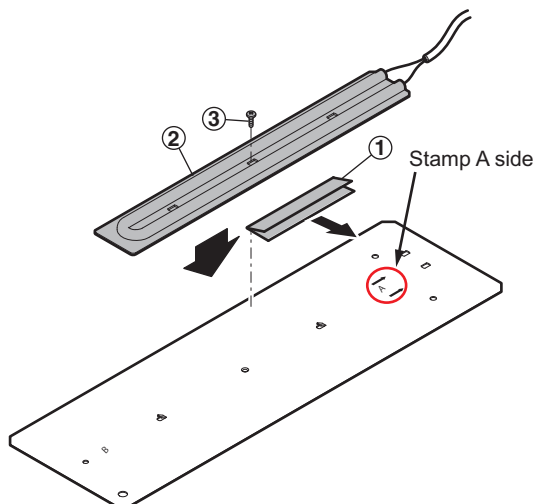


D. Installation of the tandem heater kit

(1) Assembling of the tandem heater unit

- 1) Affix the heater harness sheet onto the heater mount plate. Attach the tandem heater to the heater mount plate, and fix by the screw (M3 x 8 S-tight).

NOTE: Degrease the affixing surface with alcohol before affixing the heater harness sheet.

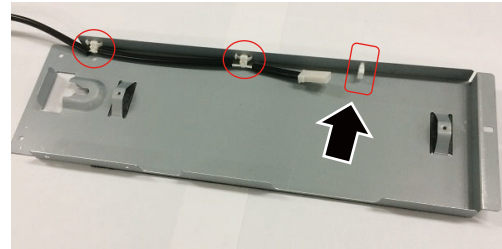


- 2) Affix the heater cover sheet onto the heater cover.

NOTE: Degrease the affixing surface with alcohol before affixing the heater cover sheet.



- 3) Attach the clamp to the heater cover. Attach the snap band of the tandem WH harness to the heater cover.

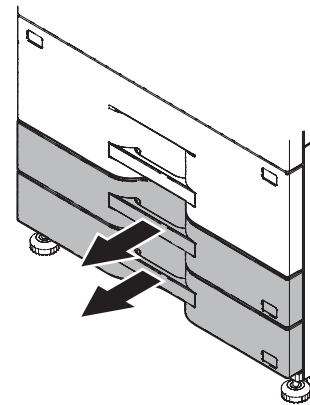


Attach the heater mount plate to the heater cover, and fix by the screws. Connect the heater to the tandem WH harness. Pass the harness through the clamp.

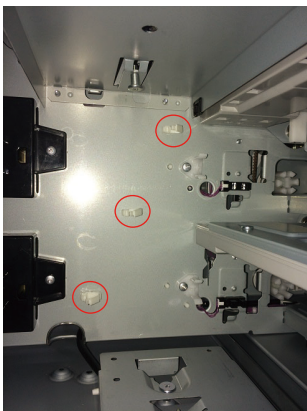


(2) Attach the tandem heater unit

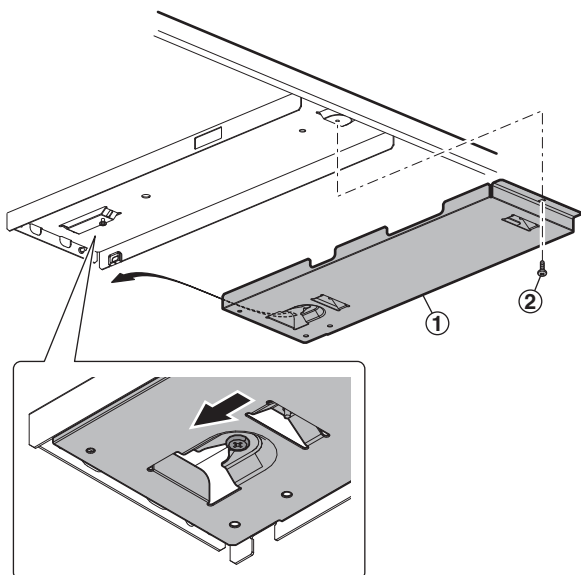
- 1) Remove the tray 3 and tray 4.



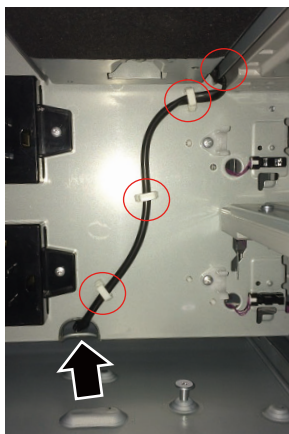
- 2) Attach the clamps to the frame.



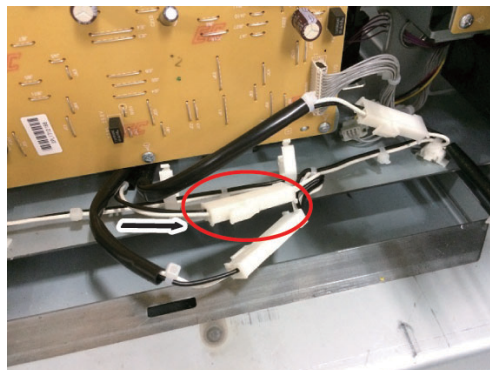
- 3) Put the tandem heater unit on the step screw (M3) and fix it with the tight screw (M4 x 6 S-tight).



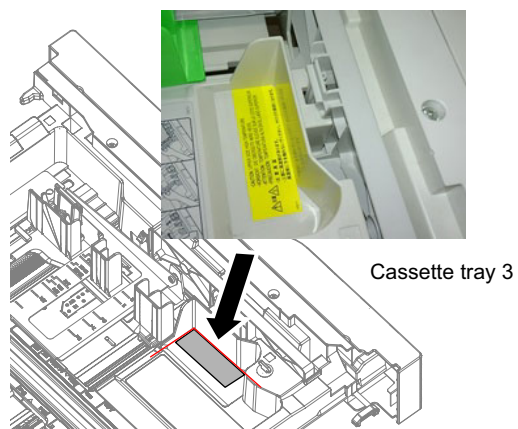
- 4) Pass the heater harness through the edge holder.
Pass the heater harness through the hole on the rear frame.



- 5) Connect the connector of heater harness and WH harness.



- 6) Attach the high temperature warning label to the tray 3.

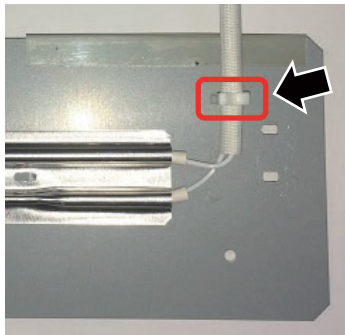
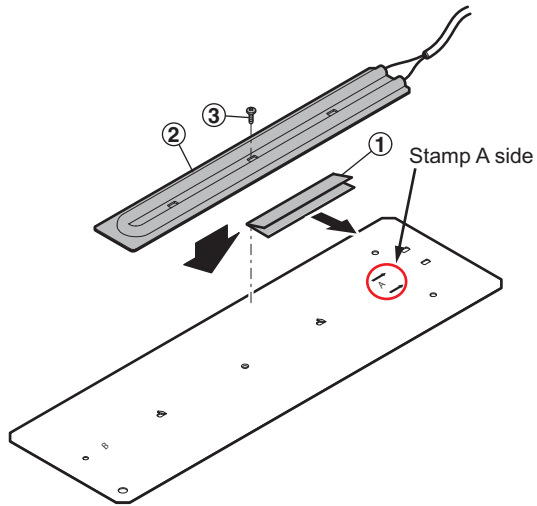


E. Installation of the cassette heater kit (R)

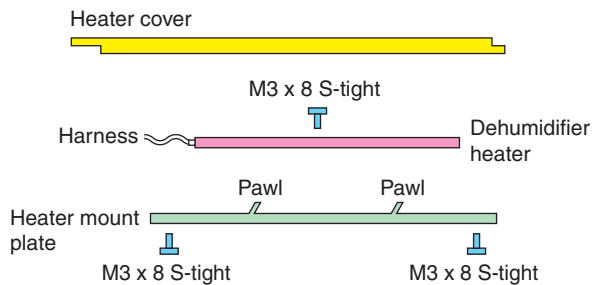
(1) Assembling of the cassette heater

- 1) Affix the heater harness sheet onto the heater mount plate.
Attach the clamp to the heater mount plate.
Attach the cassette heater to the heater mount plate, and fix by the screw (M3 x 8 S-tight).
Pass the harness through the clamp.

NOTE: Degrease the affixing surface with alcohol before affixing the heater harness sheet.



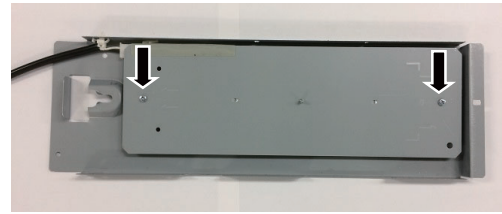
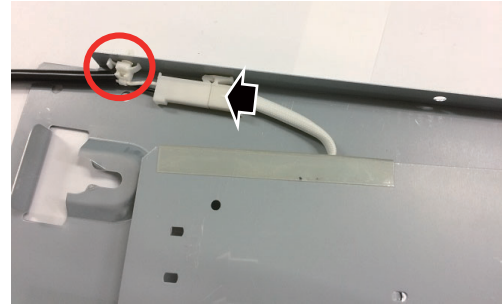
NOTE: Be careful of the direction of each part.
Align the directions of the heater mount plate and the dehumidifier heater with the pawls.



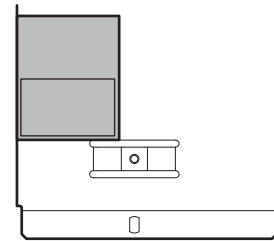
- 2) Attach the snap band of the cassette WH harness to the heater cover.

Attach the heater mount plate to the heater cover, and fix by the screw (M3 x 8 S-tight).

Connect the heater to the cassette WH harness.

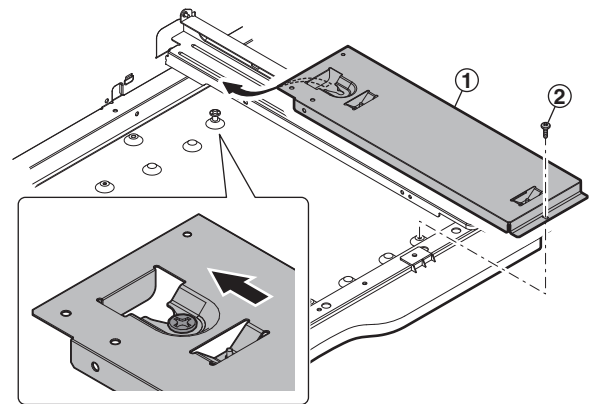


- 3) Affix the high temperature warning label onto the heater cover.

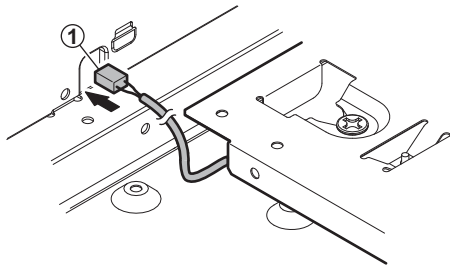


(2) Installation of the cassette heater unit

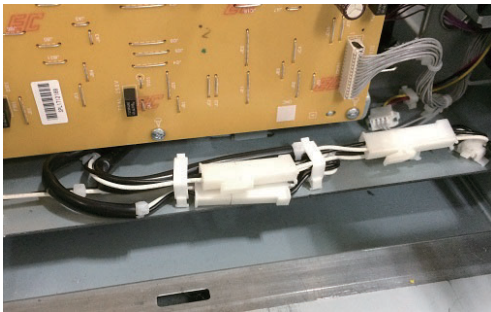
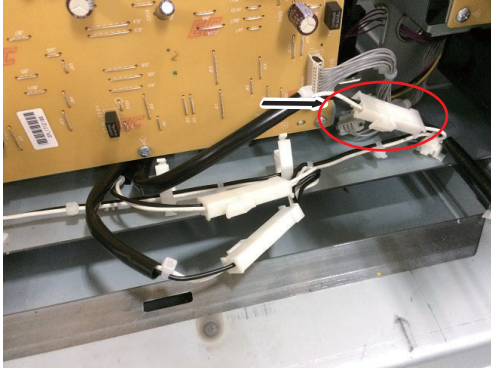
- 1) Put the cassette heater unit on the step screw (M3) and fix it with the tight screw (M3 x 8 S-tight).



- 2) Pass the heater harness through the hole on the rear frame.



- 3) Connect the connector of heater harness and WH harness.

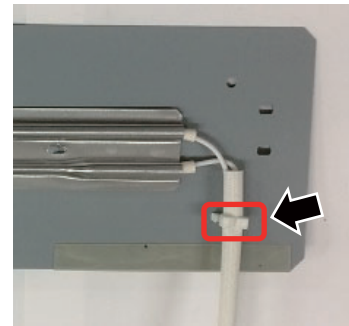
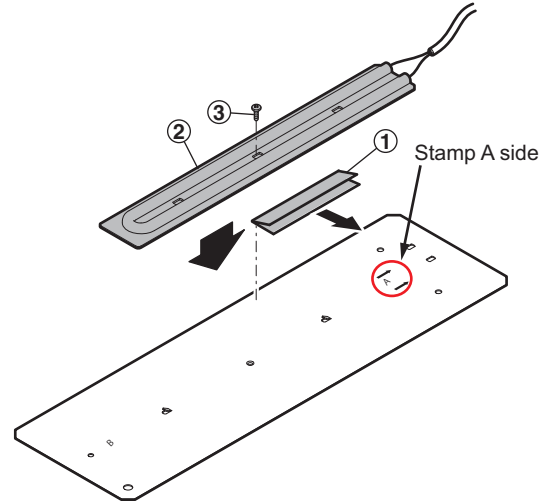


F. Installation of the cassette heater kit (L)

(1) Assembling of the cassette heater

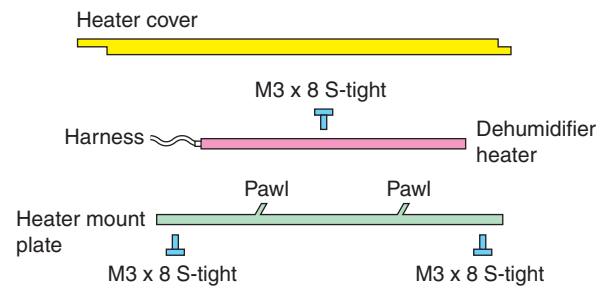
- 1) Affix the heater harness sheet onto the heater mount plate.
Attach the clamp to the heater mount plate.
Attach the cassette heater to the heater mount plate, and fix by the screw (M3 x 8 S-tight).

NOTE: Degrease the affixing surface with alcohol before affixing the heater harness sheet.

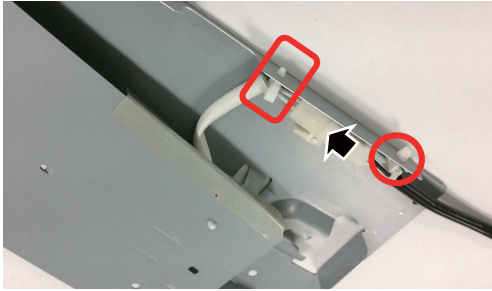


NOTE: Be careful of the direction of each part.

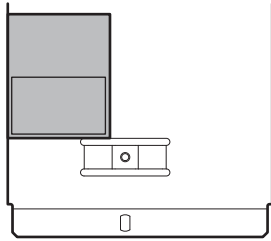
Align the directions of the heater mount plate and the dehumidifier heater with the pawls.



- 2) Attach the clamp to the heater cover.
 Attach the snap band of the heater harness to the heater cover.
 Attach the heater mount plate to the heater cover, and fix by the screws.
 Connect the heater to the heater harness.
NOTE: Pull out the heater harness to the area which the heater harness sheet is attached to.

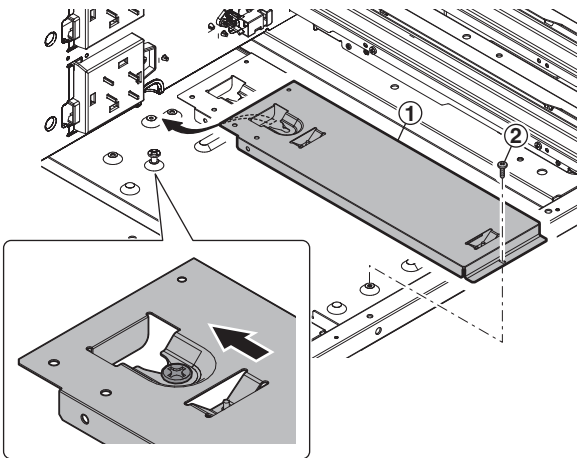


- 3) Affix the high temperature warning label onto the heater cover.

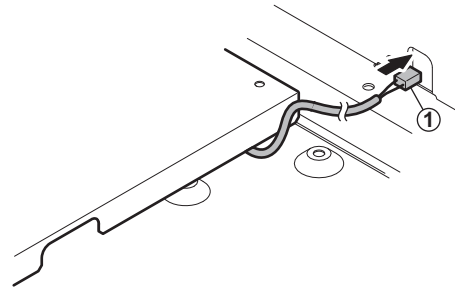


(2) Installation of the cassette heater unit

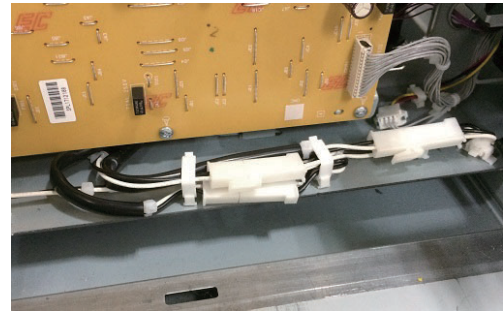
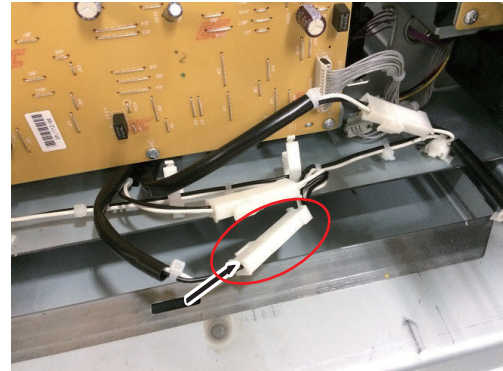
- 1) Put the cassette heater unit on the step screw (M3) and fix it with the tight screw (M3 x 8 S-tight).



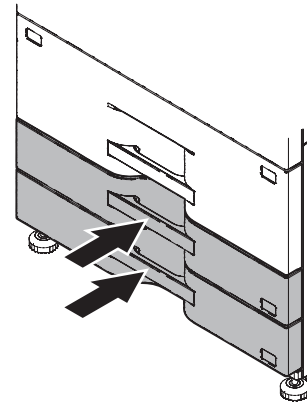
- 2) Pass the heater harness through the hole on the rear frame.



- 3) Connect the connector of heater harness and WH harness.

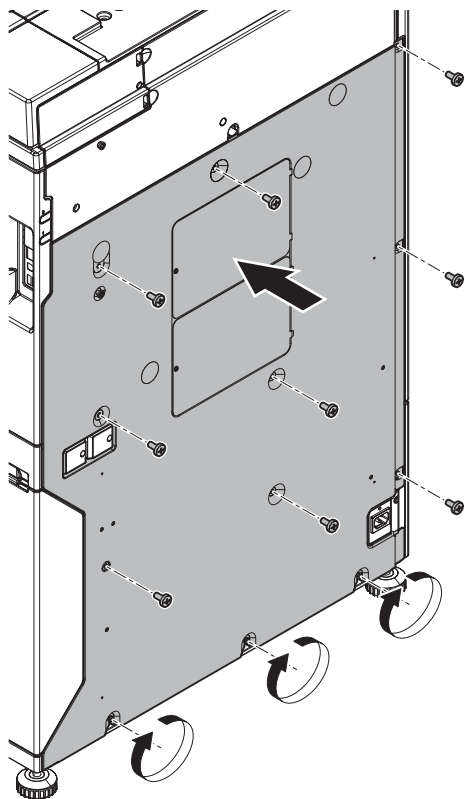


- 4) Attach the tray 3 and tray 4.

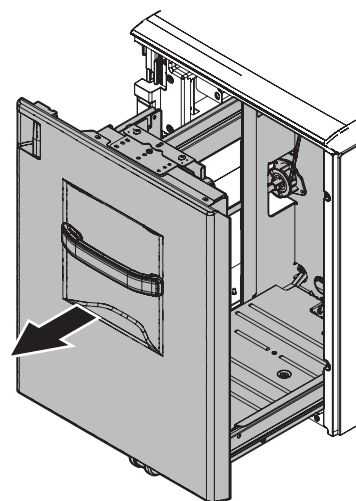


G. Attach the rear cabinet

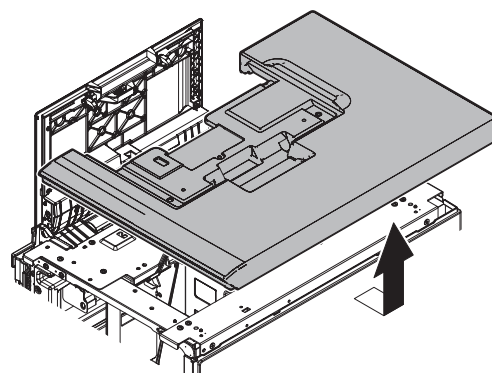
- 1) Attach the rear cabinet, and fix by the screw. Tighten the screw at the bottom of the rear cabinet.



- 2) Pull out the paper feed tray.



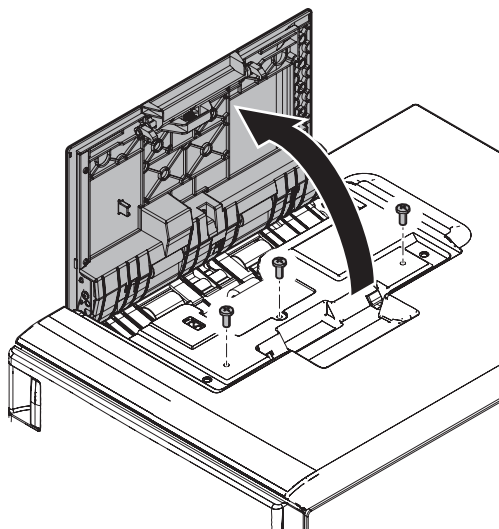
- 3) Remove the upper cover.



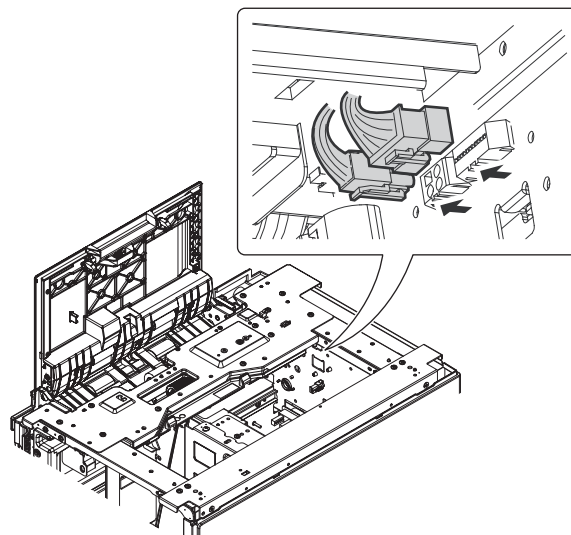
H. Installation of the LCC (A4) heater kit

(1) Paper feed unit removal

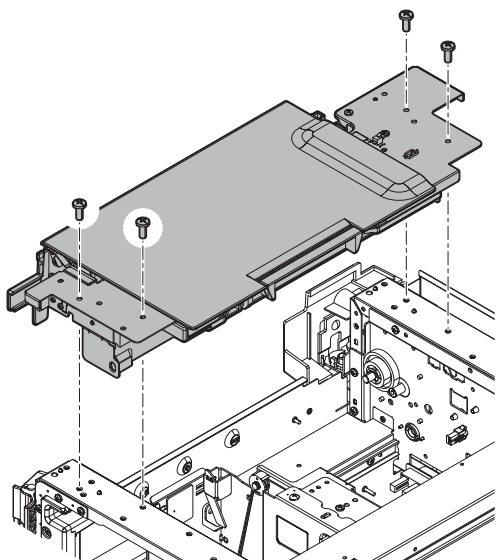
- 1) Open the cover. Remove the screws.



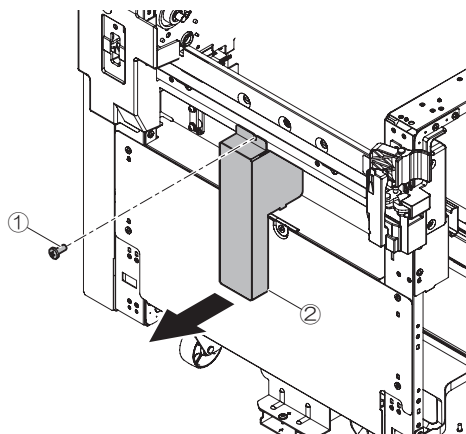
- 4) Disconnect the connectors.



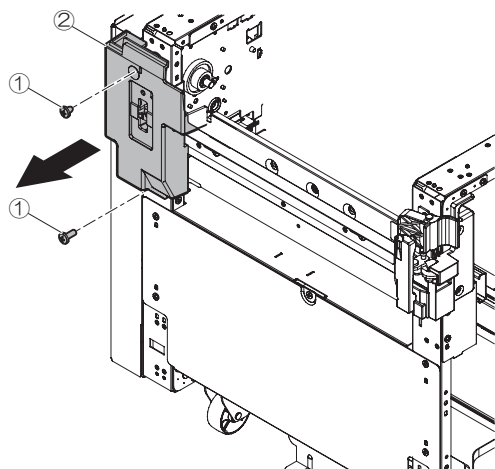
- 5) Remove the screws and the paper feed unit.



- 6) Remove the screw and the heater cover.

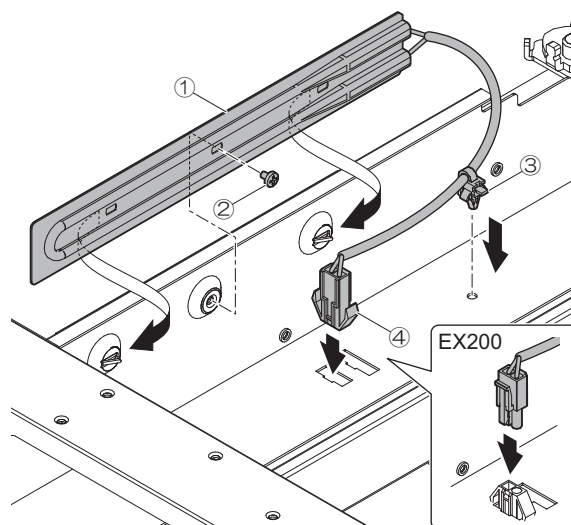


- 7) Remove the screws and the cover.

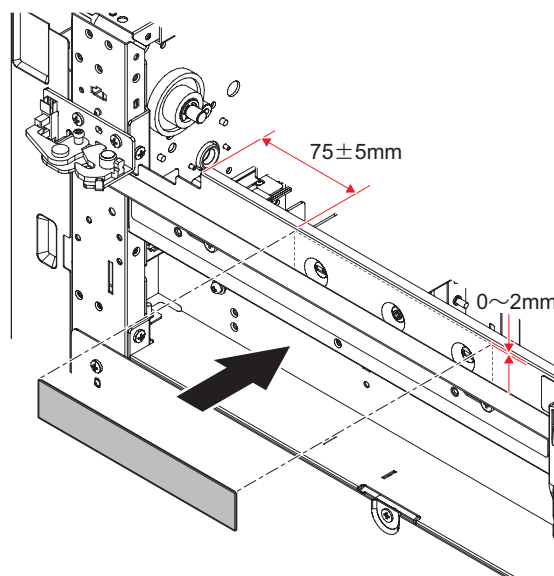


(2) Heater attachment

- 1) Attach the heater and fix it by the screw (M3x4). Attach the connector to the frame, and fix the snap band.



- 2) Attach the protect sheet.

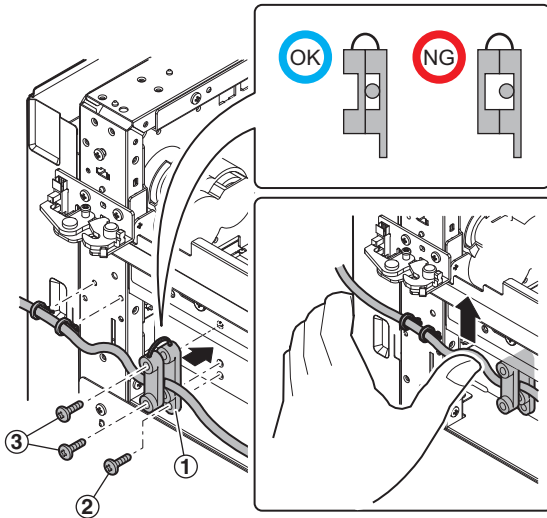


(3) Heater harness unit attachment

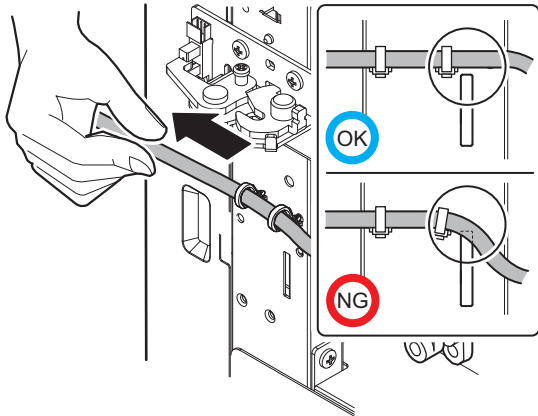
- 1) Attach the snap band of the heater harness unit. While holding the harness upward, attach the AC cord fixer and fix by the screws. (2)M4x8, (3)M4x28.

NOTE: After attaching the snap band, cut and trim the end of the band.

NOTE: Be careful not to mistake the attaching direction of the AC cord fixer.

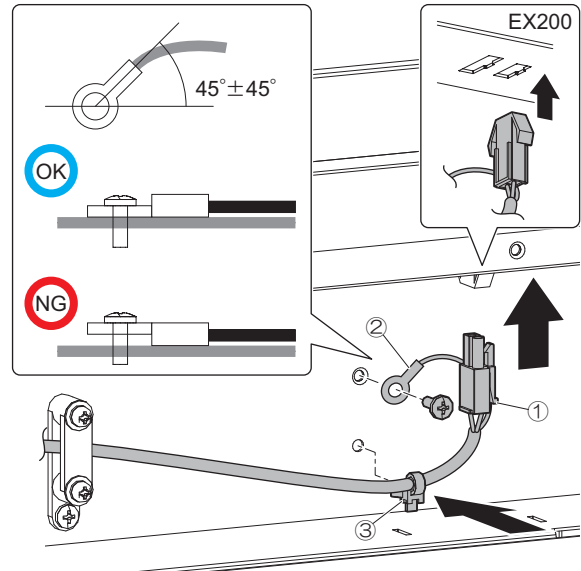


- 2) Pull the harness tightly in the arrow direction, and check to confirm that there is no disconnection of the snap band and that the square hole in the frame is not covered with the harness.



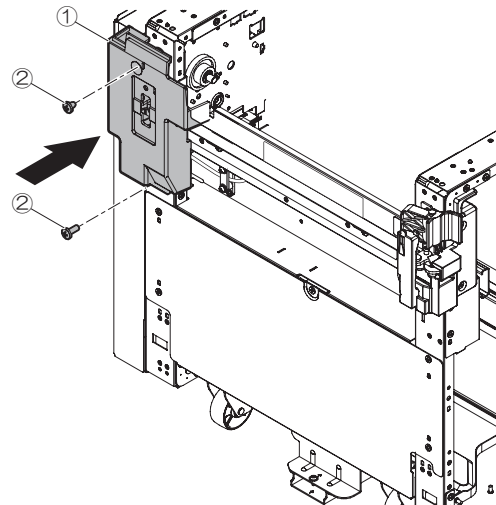
- 3) Connect the connector of the heater harness unit. Attach the earth wire, and fix by the screw (M4x8).

NOTE: Attach the earth wire at an angle of 45 degrees.

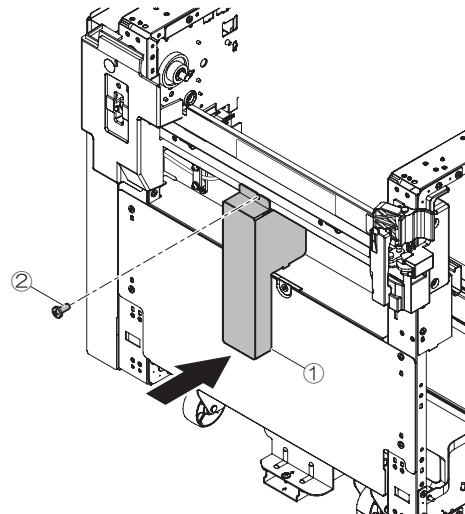


(4) Paper feed unit attachment

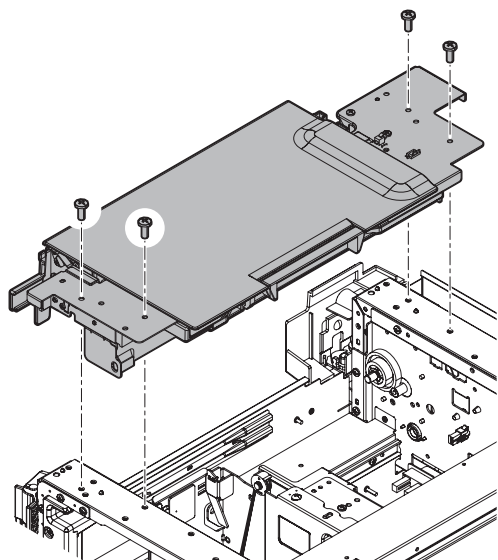
- 1) Attach the cover and fix it with the screw.



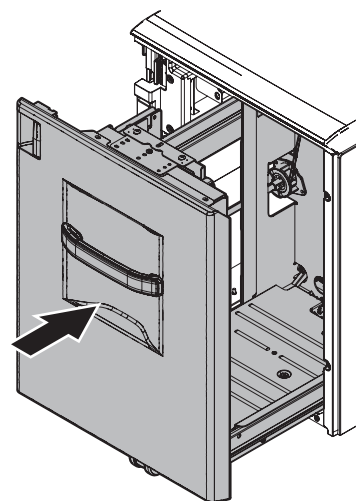
- 2) Attach the heater cover and fix it with the screw.



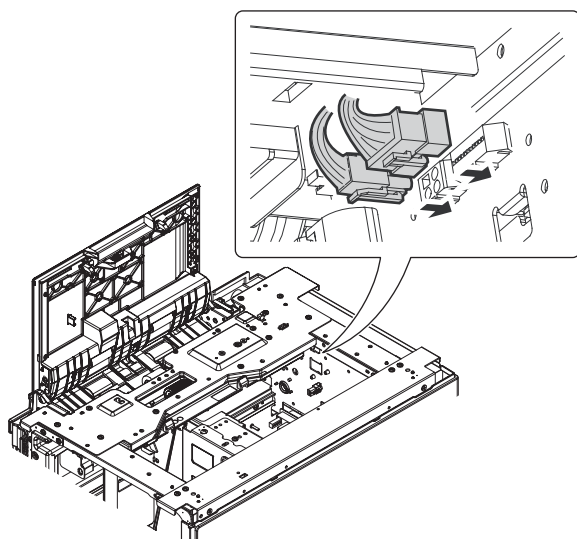
3) Attach the paper feed unit and fix it with the screw.



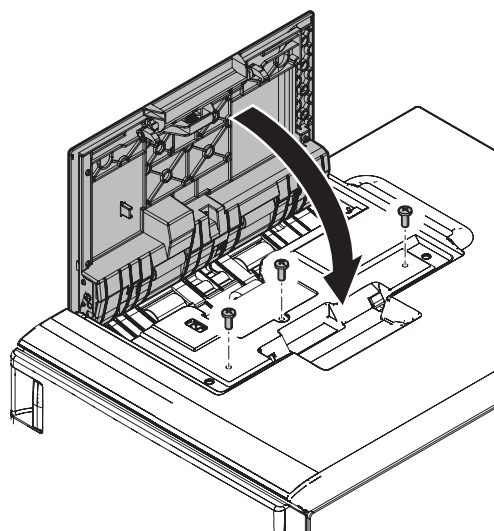
6) Close the paper feed tray.



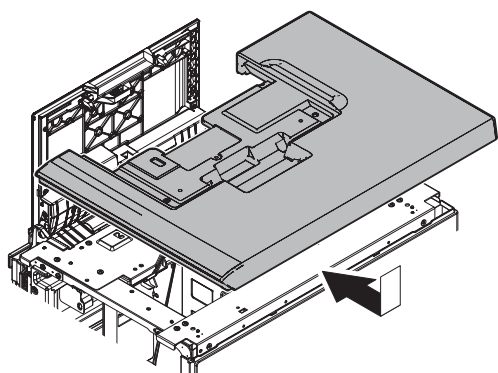
4) Connect the connectors.



7) Fix the upper cover with the screws and close the cover

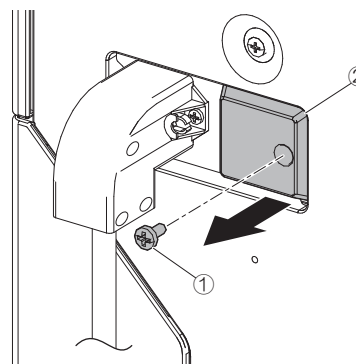


5) Attach the upper cover.

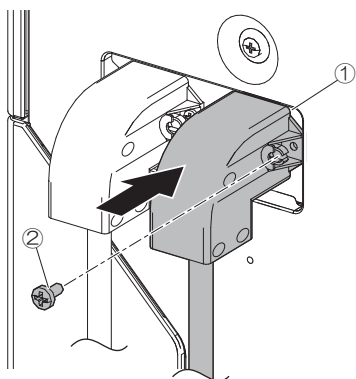


(5) Connector connection

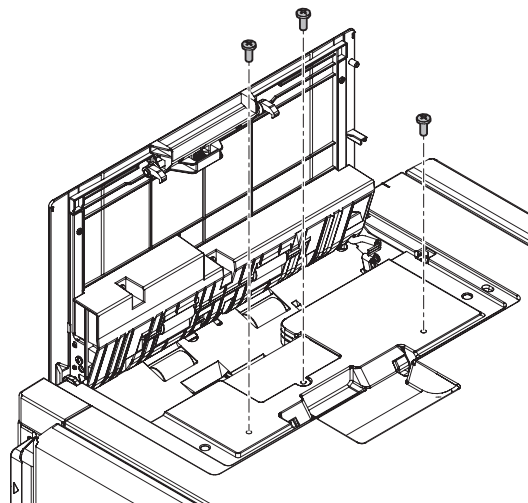
1) Remove the screw, and remove the connector cover.



2) Connect the connector and tighten the screw.



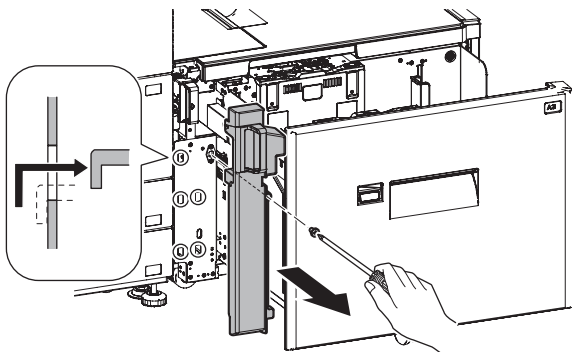
4) Remove the screw.



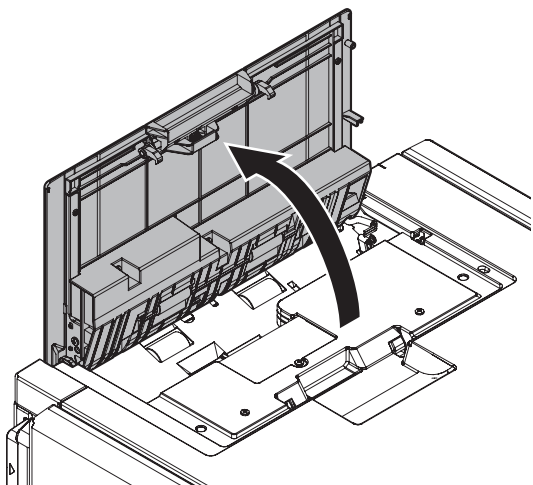
I. Installation of the LCC (A3) heater kit

(1) Paper feed unit removal

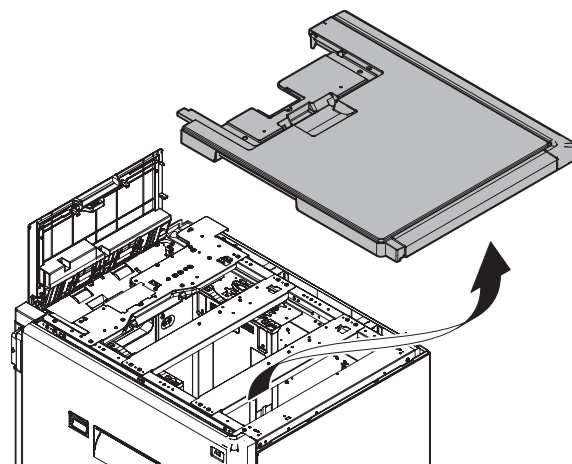
- 1) Pull out the paper feed tray.
- 2) Remove the screw and the cover.



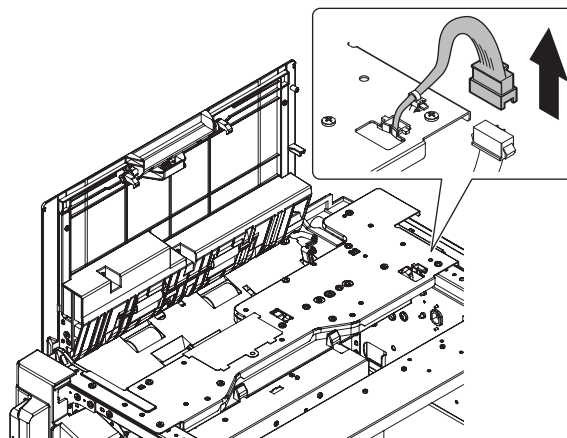
3) Open the cover.



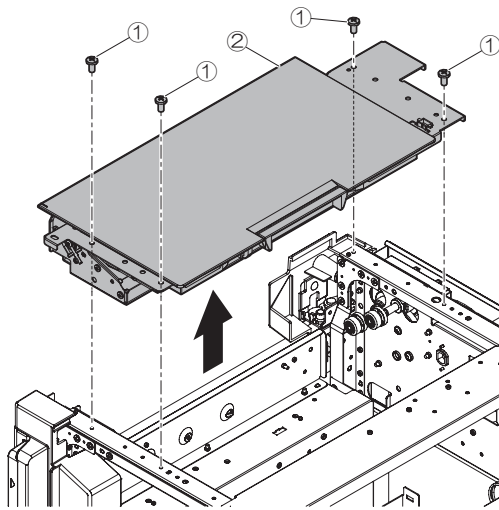
5) Remove the upper cover.



6) Disconnect the connector.

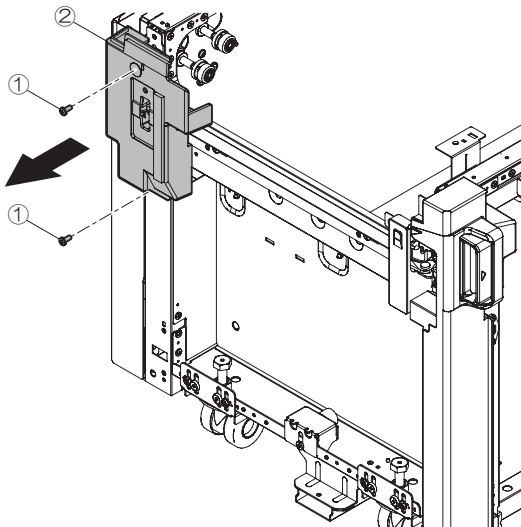


- 7) Remove the screw and the paper feed unit.



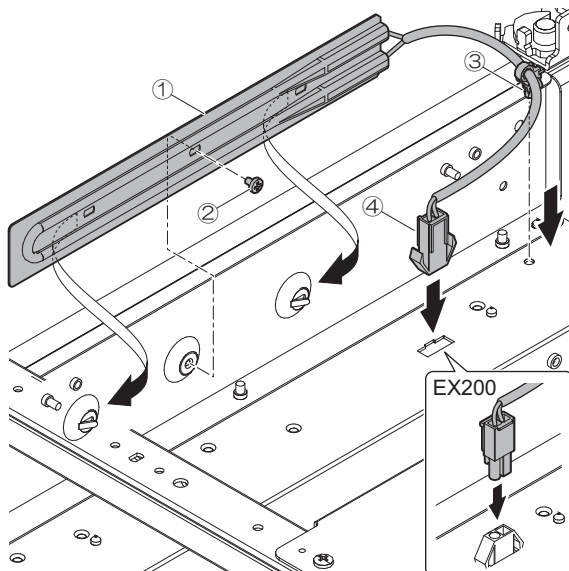
(2) Cover removal

- 1) Remove the screw and the cover.

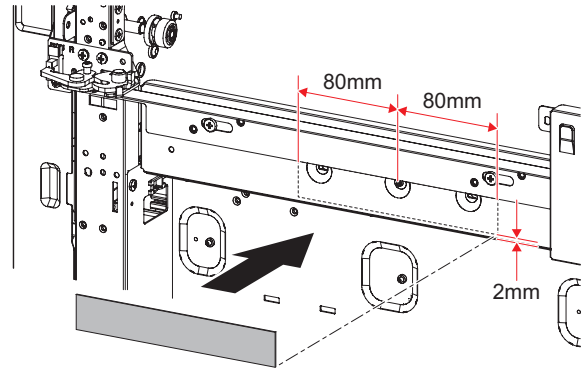


(3) Heater attachment

- 1) Attach the heater and fix it with the screw (M3x4). Attach the connector to the frame and fix the snap band.



- 2) Attach the protect sheet.

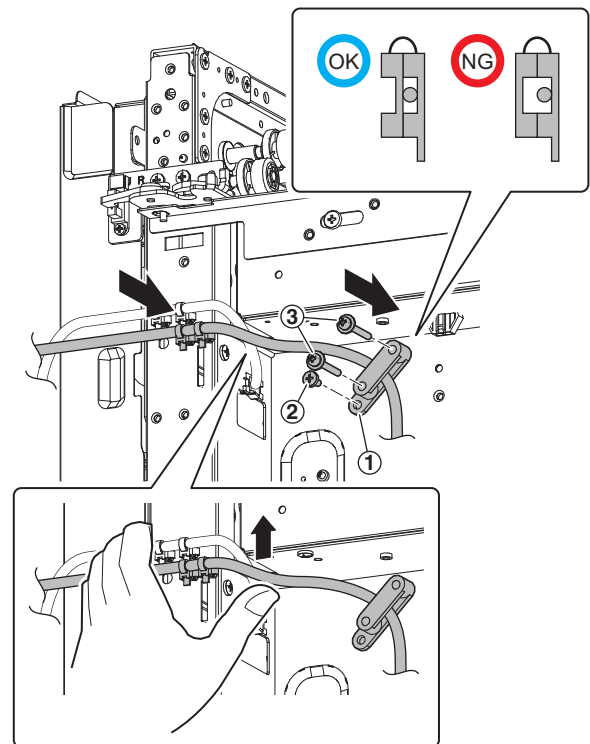


(4) Heater harness unit attachment

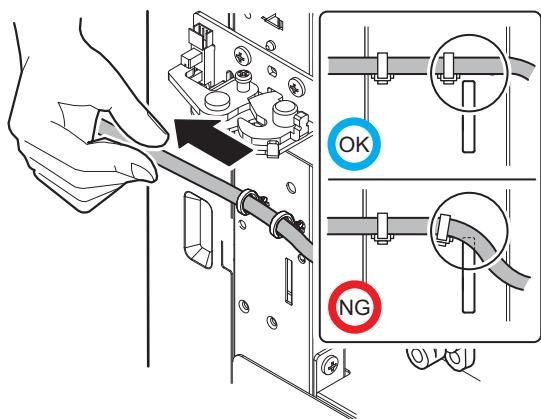
- 1) Attach the snap band of the heater harness unit. While holding the harness upward, attach the AC cord fixer and fix by the screws. (2)M4x8, (3)M4x28.

NOTE: After attaching the snap band, cut and trim the end of the band.

NOTE: Be careful not to mistake the attaching direction of the AC cord fixer.

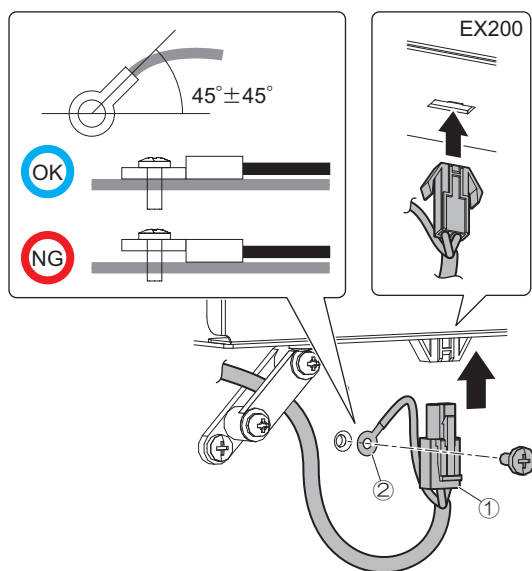


- 2) Pull the harness tightly in the arrow direction, and check to confirm that there is no disconnection of the snap band and that the square hole in the frame is not covered with the harness.



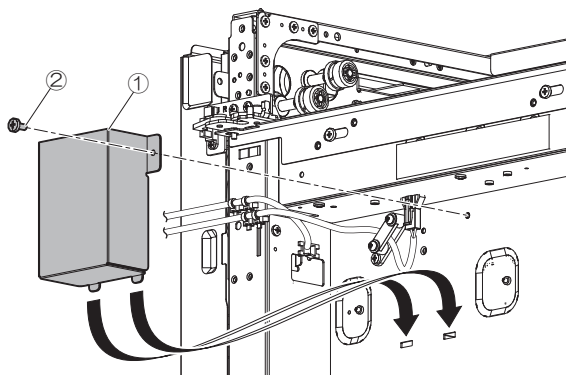
- 3) Connect the connector of the heater harness unit. Attach the earth wire, and fix by the screw.

NOTE: Attach the earth wire at an angle of 45 degrees.

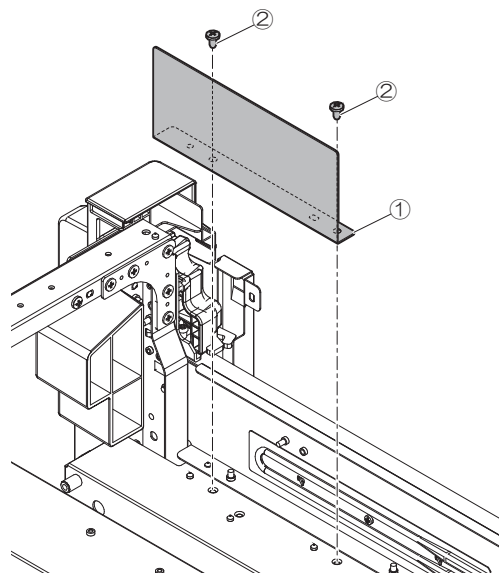


(5) Heater cover and heater sheet attachment

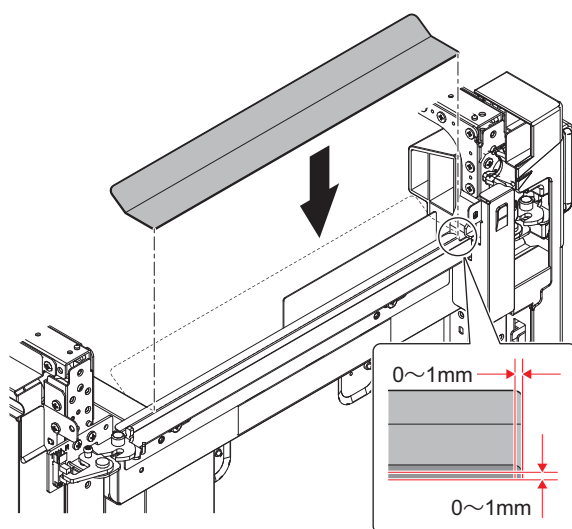
- 1) Attach the heater connector cover with the screws (M4 x 8).



- 2) Attach the heater cover.

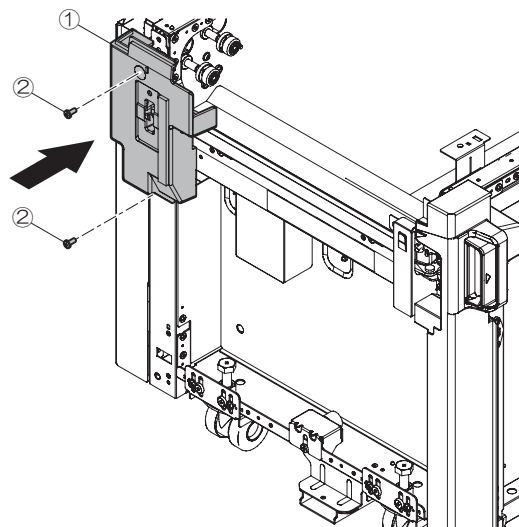


- 3) Attach the heater sheet.



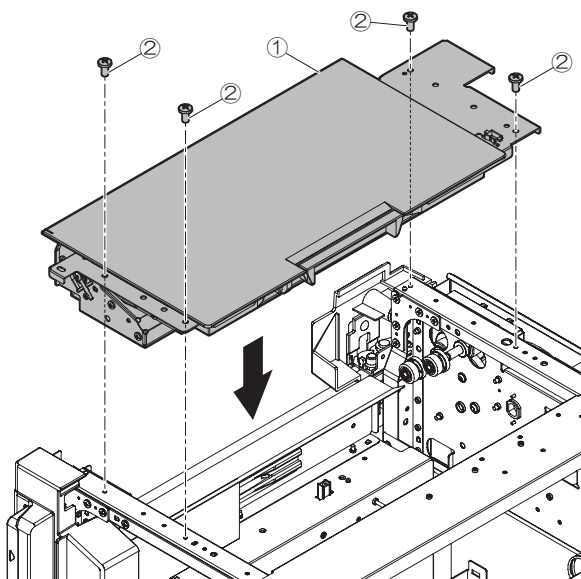
(6) Cover attachment

- 1) Attach the cover, and fix the screw.

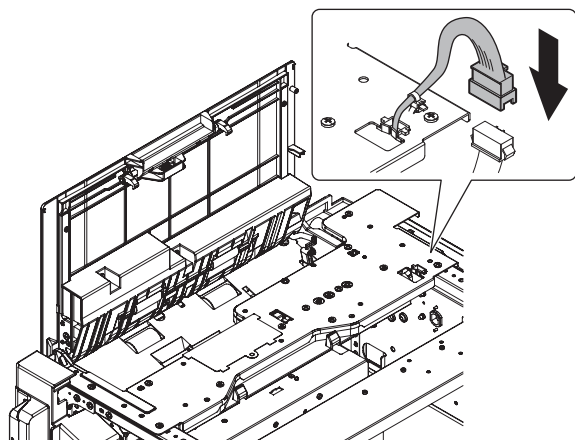


(7) Paper feed unit attachment

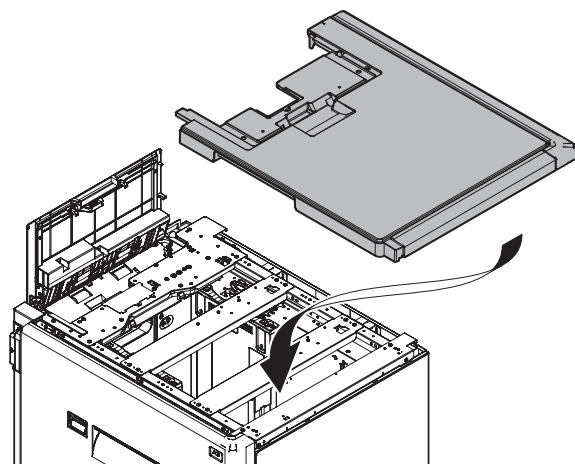
- 1) Attach the paper feed unit and fix it with the screw.



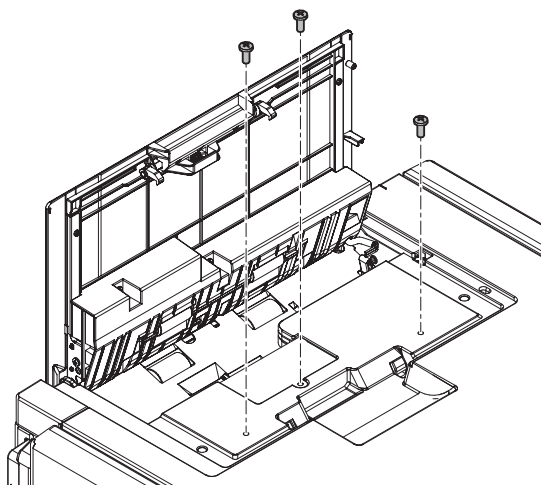
- 2) Connect the connector.



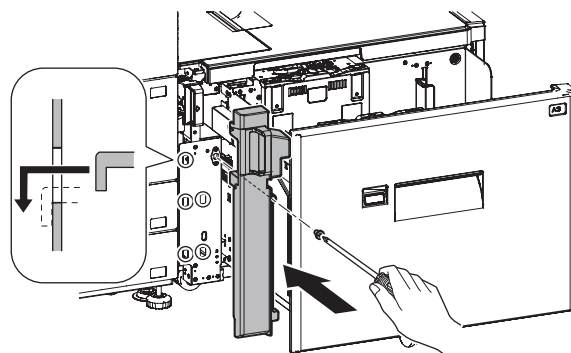
- 3) Attach the upper cover.



- 4) Fix the screw and close the cover.



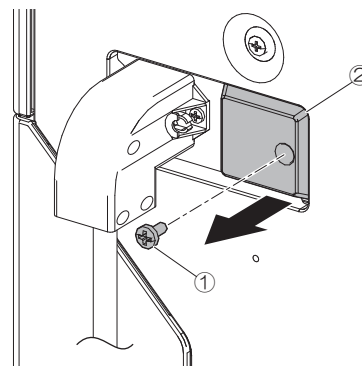
- 5) Attach the cover and fix it with the screw.



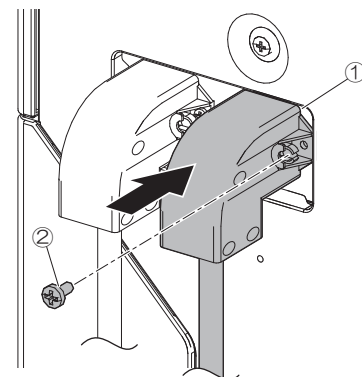
- 6) Insert the paper feed tray.

(8) Connector connection

- 1) Remove the screw and the connector cover.

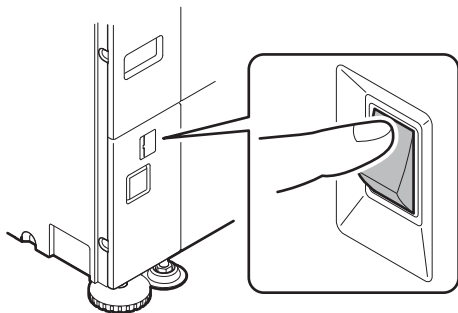


- 2) Connect the connector and tighten the screw.



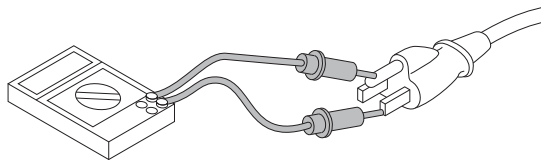
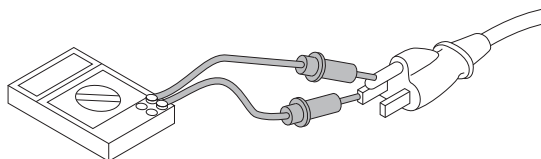
J. Operation check after installation

- 1) Turn on the dehumidifier heater switch.

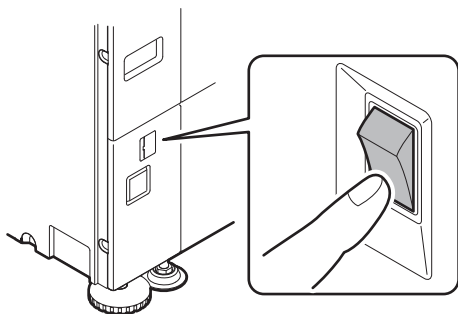


- 2) Measure the resistance value between the earth terminal and the AC terminal (L side), and between the earth terminal and AC terminal (N side) with the circuit tester, and confirm they are not short-circuited.

MEMO: For 200V system other than North America, there are two AC cords. For checking with a tester, use the cord in the left side when viewed from the rear.



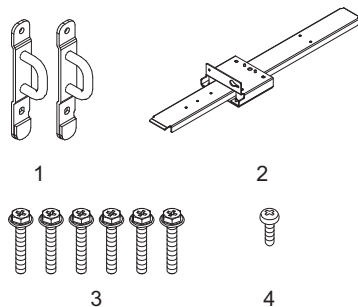
- 3) When not using the heater after checking, turn off the dehumidifier heater switch.



[3] BP-LC11 (LARGE CAPACITY TRAY)

1. Unpacking

A. Packed items check



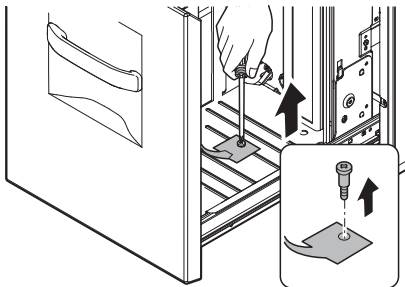
No.	Names of bundles	Quantity
1	Mounting plate upper	2
2	Connecting unit	1
3	Fixing screw A (Hex washer S-tight M4x18)	6
4	Fixing screw B (4x8 cup)	1

2. Installation

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Release the lock

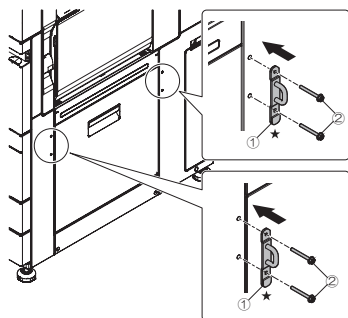
- 1) Remove the paper feed desk fixing screw.



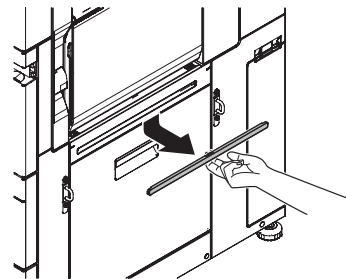
NOTE: Before turning on the power, check to insure that the fixing screw of the tray is removed. If the power is turned on without removing the fixing screw, a trouble may be resulted.

B. Main unit and large capacity tray unit connection

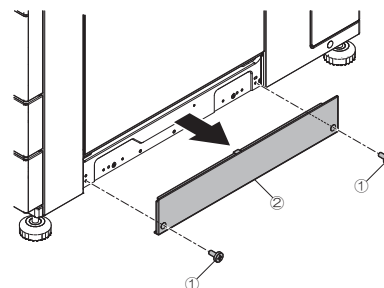
- 1) Attach the mounting plate upper (Packed item No.1) to the right side of main unit with the fixing screw A (Packed item No.3). When installing, put the rubber section (★) of the mounting plate upper on the lower side.



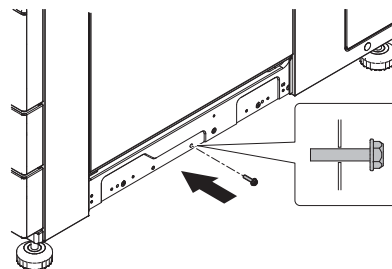
- 2) Remove the right door cover from the machine..



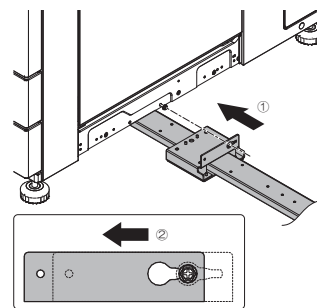
- 3) Remove the fixing screws (2 pcs.) of the machine and remove the cover.



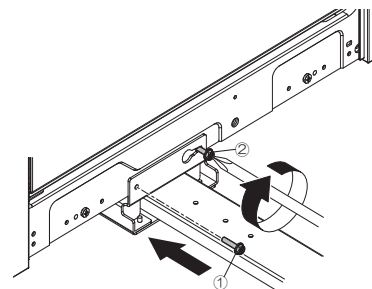
- 4) Temporarily fix the fixing screw A (Packed item No.3) midway.



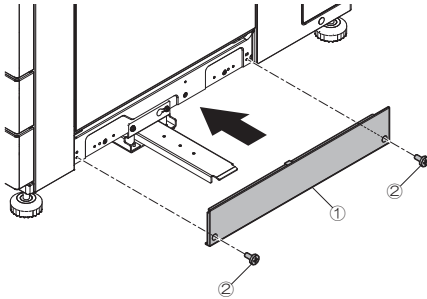
- 5) Insert the temporarily fixed screw A into the key hole in the connection unit and temporarily fix the connection unit.



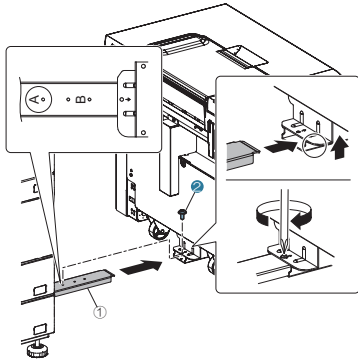
- 6) Fix the other fixing screw A and tighten the temporarily fixed screw A securely.



- 7) Attach cover back to the main unit.

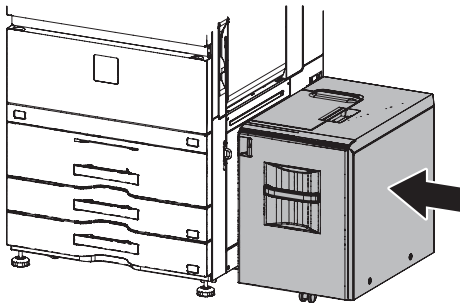


- 8) While lifting the section marked with ○ insert the connection unit into the large capacity tray unit and fix the fixing screw B (Packed item No.4) at the mark A on the connection unit.

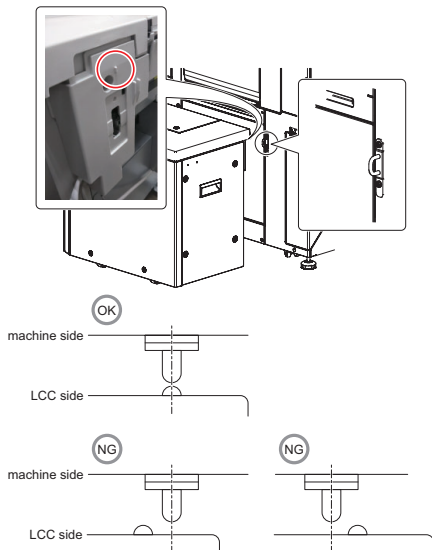


C. Height adjustment

- 1) Put the large capacity tray unit closer to the main unit.

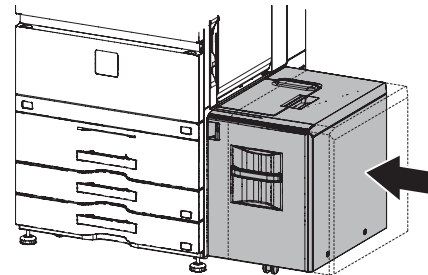


- 2) Check to insure that the height adjustment check rib of the large capacity tray unit and the axis line of the mounting plate upper mounted to the main unit are in the same line.



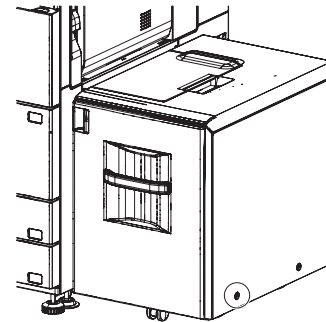
- 3) If the height adjustment is not required, insert the large capacity tray unit further more.

If the height adjustment is required, perform the adjustment procedure from 4).



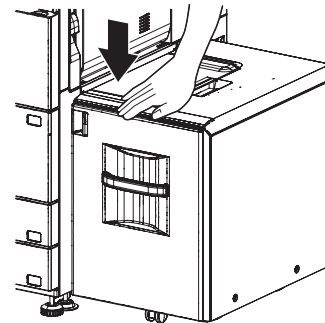
- 4) Loosen the adjustment screw on the F side.

NOTE: Use the adjustment screw on the front side for the adjustment. Do not touch the screw on the rear side.

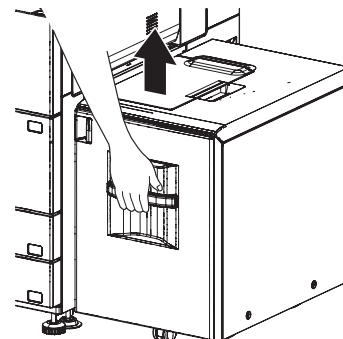


NOTE: If the screw is loosened or removed when servicing, be sure to execute C Height adjustment after completion of servicing.

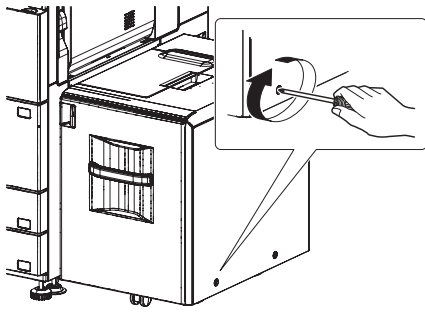
- 5) In the case of a shift to the right, press the front upper section and fit the height adjustment check rib so that it is in the same line with the axis line of the mounting plate upper. Insert the large capacity tray unit into the main unit.



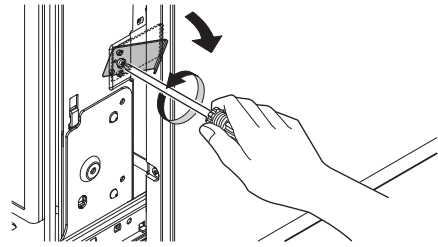
- 6) In the case of a shift to the left, lift the grid so that the height adjustment check rib is in the same line with the axis line of the mounting plate upper and insert the large capacity tray unit.



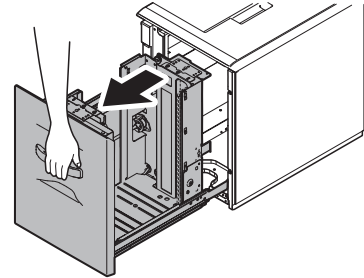
- 7) Tighten the loosened screw.



- 2) Loosen the stopper fixing screw (1 pc.) on the lower right side of the paper feed tray to disable the stopper function.



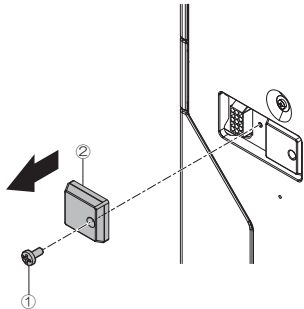
- 3) Pull out the paper feed tray again until it stops.



D. Connector connection

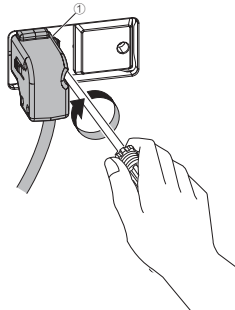
- 1) Remove the connector cover.

If the heater kit is not installed, there is no need to remove the connector cover.



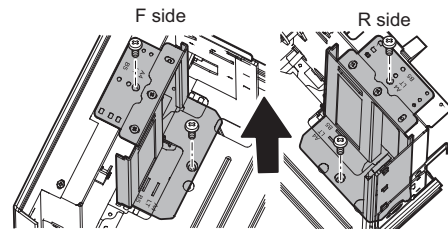
- 2) Connect the connector and tighten the screw.

If the heater kit is not installed, there is no need to connect the dehumidifier heater connector to the connector.

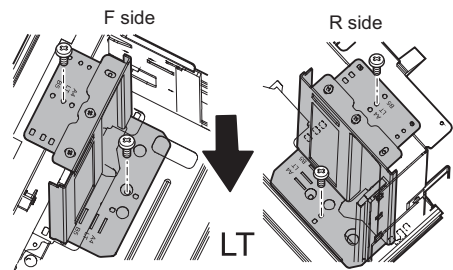
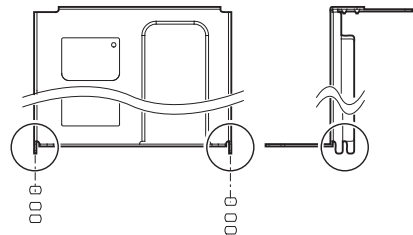


a. Side plate size switch

- 1) Remove the four fixing screws (blue) which are fixing the upper and the lower sections of the side plate F and the side plate R.



- 2) Adjust the mark position of the tray and the side plates in the lower section of the side plates F/R according to the desired size also adjust the upper section according to the desired size and fix with the four fixing screws (blue).

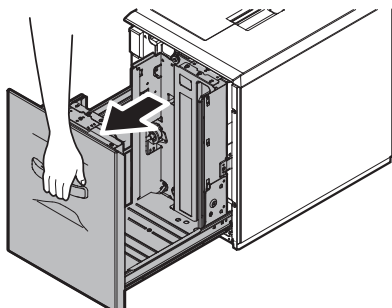


E. Paper size switch

(1) Paper size switch from A4 to LT

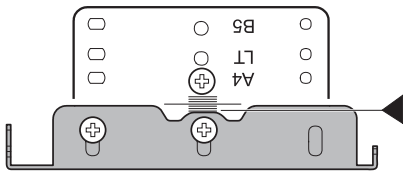
Since the factory setting of the paper size is A4 or LT, if paper size switch is required, perform the following procedures.

- 1) Slowly Pull out the tray until it stops.

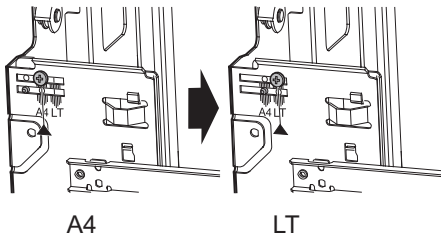


b. Auxiliary guide size switch

- 1) When changing the size of the side plate R, check to confirm the mark positions of " ◀ " on the side plate R and the size guide adjustment plate.



- 2) Loosen the fixing screw (flat screw 1pc.) of the auxiliary guide.
- 3) Change the mark position (▲) of the auxiliary guide and the cassette R from A4 to LT, and fix them with the fixing screw (flat screw, 1pc.).

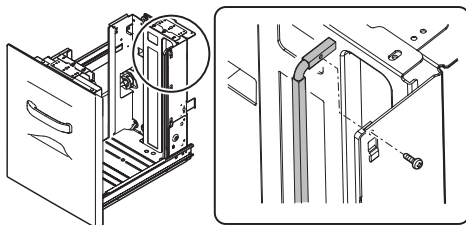


At that time, adjust the mark positions (▲) on the auxiliary guide and the cassette R are at the same positions of the mark positions (◀) of the side plate R and the size guide adjustment plate checked in the procedure 1).

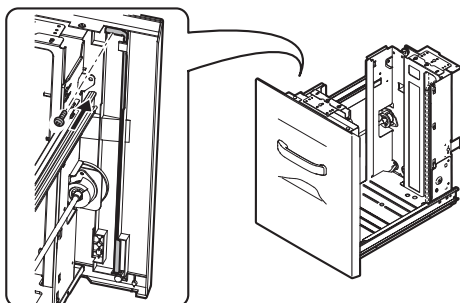
(If the scale of the size guide adjustment plate is at the center, set it to the center. If the size guide adjustment plate is in 1mm in the front side, set it in 1mm in the front side.)

c. Rear edge shaft switch

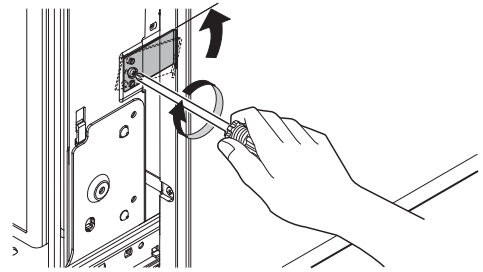
- 1) Remove the rear edge shaft fixing screw (blue) on the right side of the paper feed tray, and remove the rear edge shaft.



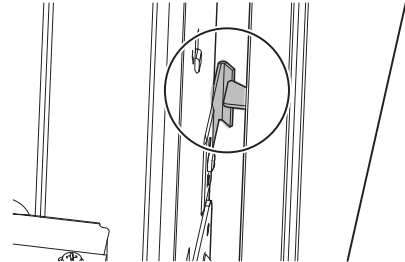
- 2) Tighten the removed rear edge shaft with the fixing screw (blue), and store it in the storage space inside the front cabinet.



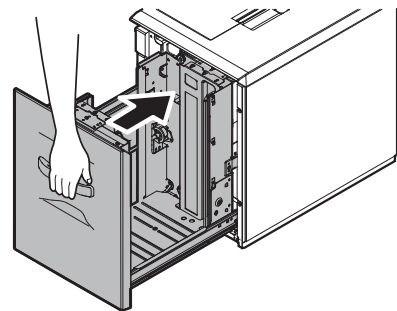
- 3) Push the paper feed tray slightly, and return the disabled stopper to the original position, and fix with the fixing screw (1pc.).



At that time, check to insure that the stopper pawl is engaged with the stopper reception of the large capacity tray unit.

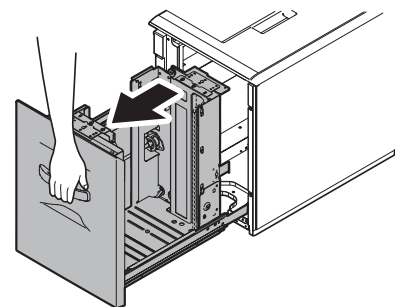


- 4) Push the large capacity tray slowly into the original position.

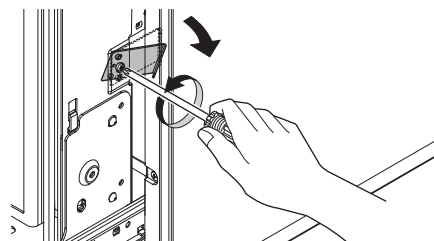


(2) Paper size switch from A4 to B5

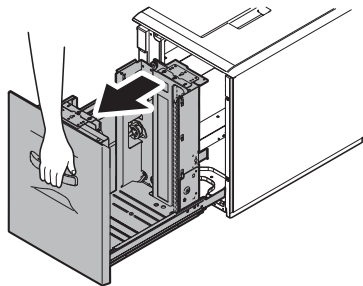
- 1) Slowly pull out the tray until it stops.



- 2) Loosen the stopper fixing screw (1 pc.) on the lower right side of the paper feed tray to disable the stopper function.

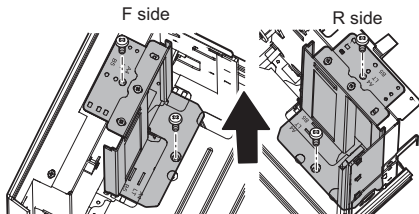


- 3) Pull out the paper feed tray again until it stops.

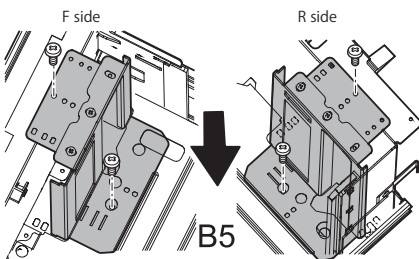
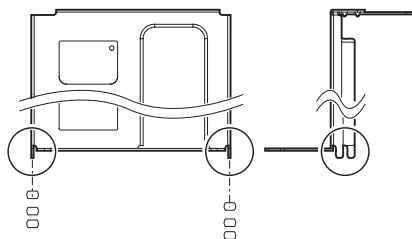


a. Side plate size switch

- 1) Remove the four fixing screws (blue) which are fixing the upper and the lower sections of the side plate F and the side plate R.



- 2) Adjust the mark position of the tray and the side plates in the lower section of the side plates F/R according to the desired size also adjust the upper section according to the desired size and fix with the four fixing screws.

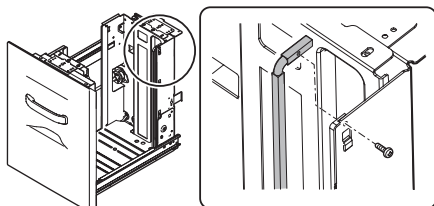


b. Auxiliary guide size switch

NOTE: Since the auxiliary guide setting is not required, fix the auxiliary guide to either of A4 or LT (To prevent against missing of the part)

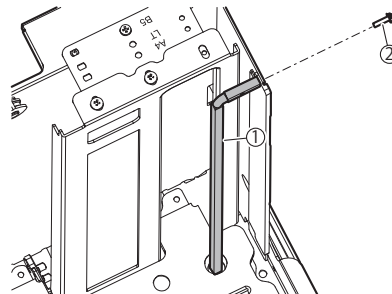
c. Rear edge shaft switch

- 1) Remove the rear edge shaft fixing screw (blue) on the right side of the paper feed tray, and remove the rear edge shaft.



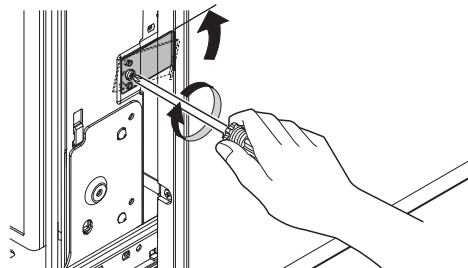
NOTE: For the inch series destinations, the auxiliary guide is not provided.

- 2) Insert the removed rear edge shaft into the mounting hole in the paper feed base as shown in the figure below. Fix the upper section with the fixing screw which was removed previously.

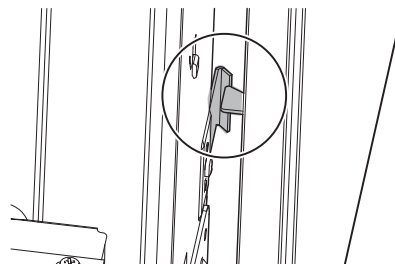


NOTE: When the rear edge shaft is switched to B5 check to confirm that the side plates F/R are already set to B5. If the side plates F/R are not set to B5 the rear edge shaft cannot be switched to B5.

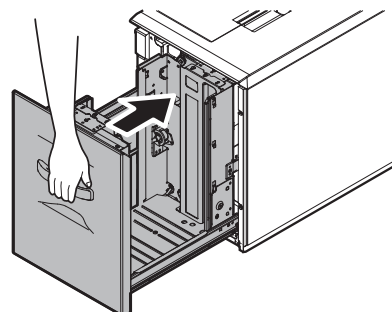
- 3) Push the paper feed tray slightly, restore the stopper to the original position and fix the fixing screw.



At that time, check to insure that the stopper pawl is engaged with the stopper reception of the large capacity tray unit.



- 4) Push the large capacity tray slowly into the original position.



F. Turn on the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

G. Size setting

Execute SIM 26-2 "Size setting" with the key operations of the main unit.

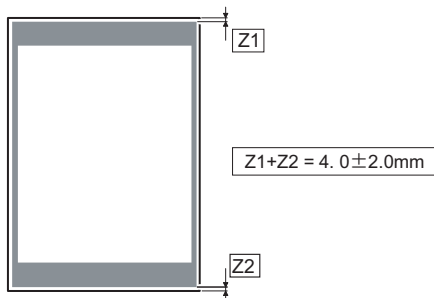
- 1) The size selection menu of the large capacity tray is displayed on the operation message display.
- 2) Select a size button to be set on the message screen.

H. Off-center adjustment

(1) Adjustment with the simulation

- 1) Run SIM 50-10 using the keypad on the main unit.
- 2) This screen allows you to configure the print off-center adjustment value for each paper feed tray.
- 3) On the touch panel, press [↓] to select "P:MAIN-LC"
- 4) Enter the desired adjustment value through the numeric keypad.
(This value, which defaults to 53, can be adjusted within the range of 1 to 99).
 - * Increasing the adjustment value by 1 causes the main scan/print position to shift by 0.1 mm toward the rear.
 - * Reducing the adjustment value by 1 causes the main scan/print position to shift by 0.1 mm toward the front.
- 5) After entering the adjustment value, press the [EXECUTE] key on the touch panel to start printing and save the setting.
- 6) Check that the adjustment pattern image is printed in the correct position.

Measure the dimensions of the void areas on the front- and rear-frame sides of the adjustment pattern image, and make sure that the following conditions are met:



No adjustment is needed if $Z1+Z2 = 4.0 \pm 2.0 \text{ mm}$.

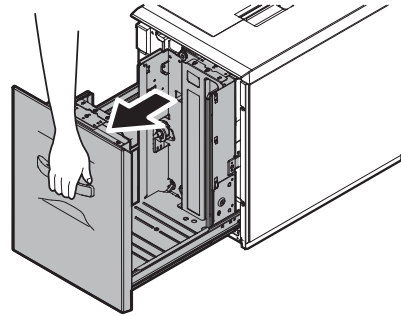
If the above condition is not met, do the following:

- 7) Change the adjustment value.
(Enter a new adjustment value and press the [OK] key).
Changing the adjustment value by 1 shifts the position by approximately 0.1 mm.
Repeat steps 4) to 6) until the condition shown in step 6) is satisfied.
- 8) After you have completed the adjustment, exit from simulation mode by pressing the [CA] key.

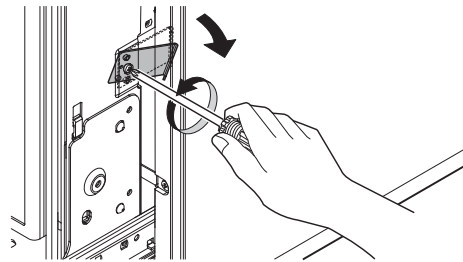
(2) Mechanical adjustment

Since the off-center adjustment is performed when shipping, there is basically no need to perform this adjustment. If the center is shifted, however, the simulation is normally used. If the shift is not removed, perform the following adjustment procedures.

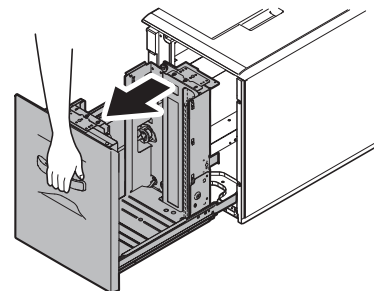
- 1) Slowly pull out the tray until it stops.



- 2) Loosen the stopper fixing screw (1 pc) on the right lower side of the tray so that the stopper does not function.



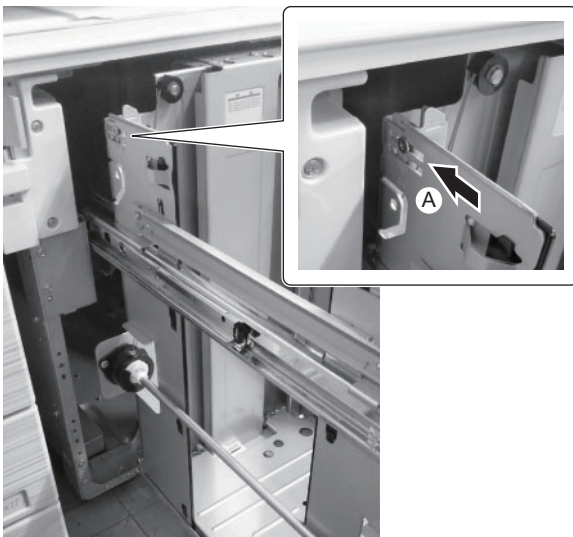
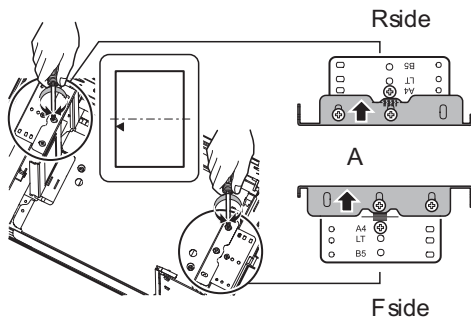
- 3) Pull out the tray again until it stops.



a. When the shift is in the front side

To adjust the print line in the direction A from the paper center as shown in the figure:

- 1) Loosen two fixing screws (red screws) of the front/rear size guide adjustment plate, and move the size guide adjustment plate in the direction A (R side) by the shift amount, and tighten the red fixing screws (2 for each). Move the auxiliary guide in the direction A by the same size.



Slightly push the tray, restore the stopper to the original position, and fix the fixing screw.

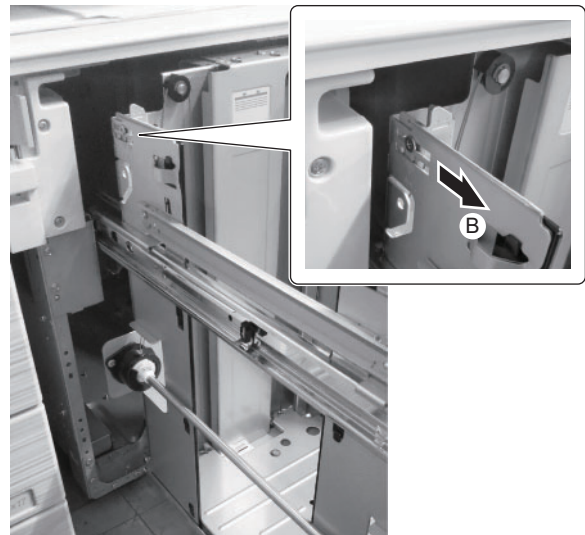
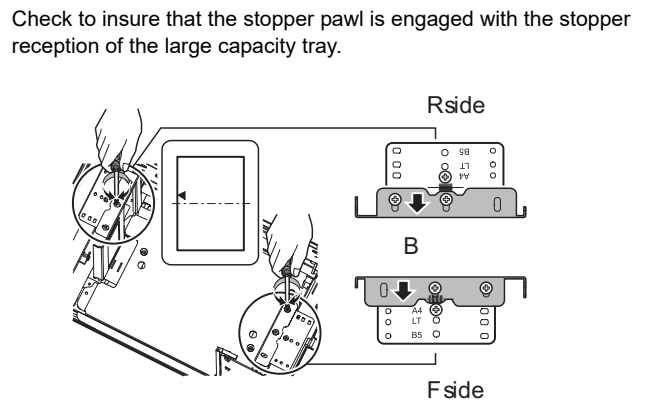
Check to insure that the stopper pawl is engaged with the stopper reception of the large capacity tray.

- 2) Slowly insert the tray to the original position.
Then make a copy to check to insure that there is no more shift.
Repeat the procedures until there is no shift.

b. When the shift is in the rear side

To adjust the print line in the direction B from the paper center as shown in the figure:

- 1) Loosen two fixing screws (red screws) of the front/rear size guide adjustment plate, and move the size guide adjustment plate in the direction B (F side) by the shift amount, and tighten the red fixing screws (2 for each). Restore the stopper to the original position and fix it with the fixing screws. Move the auxiliary guide in the direction B by the same size.

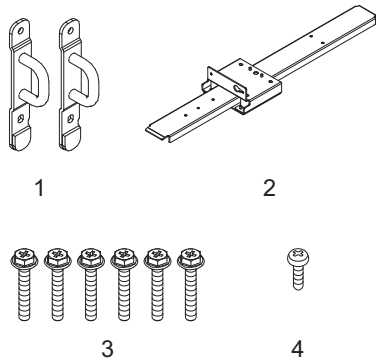


- 2) Slowly insert the tray to the original position.
Then make a copy to check to insure that there is no more shift.
Repeat the procedures until there is no shift.

[4] MX-LC19 (LARGE CAPACITY TRAY)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	Mounting plate upper	2
2	Connecting unit	1
3	Fixing screw A (Hex washer S-tight, M4 x 18)	6
4	Fixing screw B (cup M4 x 8)	1

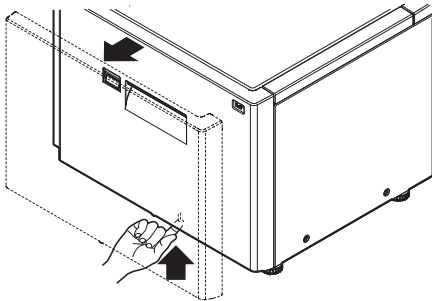
2. Installation

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

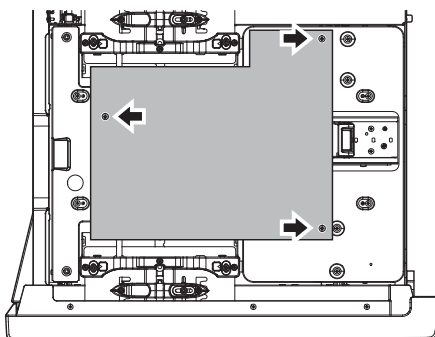
A. Release the lock

- 1) Manually pull out the cassette.

Push the shaft at the rear side of the front cabinet up to release the lock.



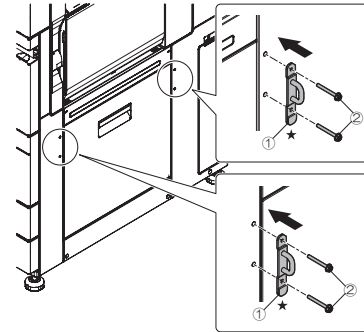
- 2) Remove the fixing screws (3 pcs.) of the paper feed table of the LCC, and remove the cautionary note.



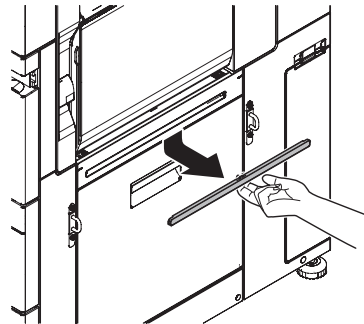
NOTE: Before turning on the power, check to insure that the fixing screw of the tray is removed. If the power is turned on without removing the fixing screw, a trouble may be resulted.

B. Attach the mounting plate upper and the lower front/rear connecting plate

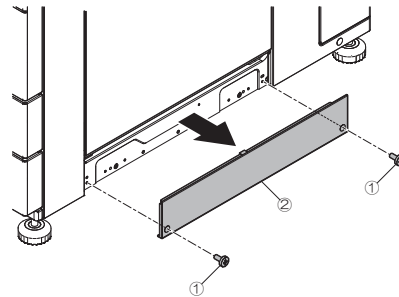
- 1) Attach the mounting plates upper (Packed item No.1) with the fixing screw A (Packed item No.3) to the installation part of right side of the main unit. When installing, put the rubber section () of the mounting plates upper on the lower side of each plate.



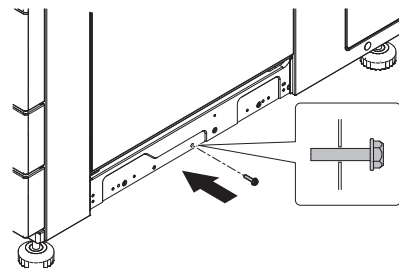
- 2) Remove the cover from the main unit.



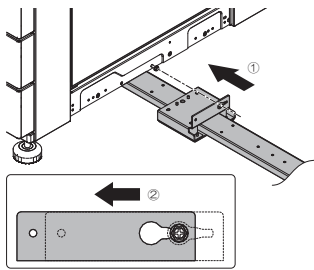
- 3) Remove the fixing screws (2 pcs.) of the cover, and remove the cover.



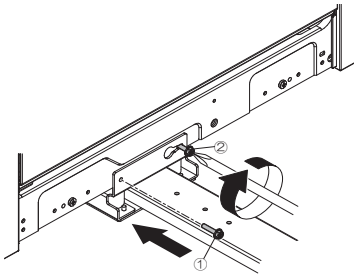
- 4) Temporarily fix the fixing screw A (Packed item No.3) midway.



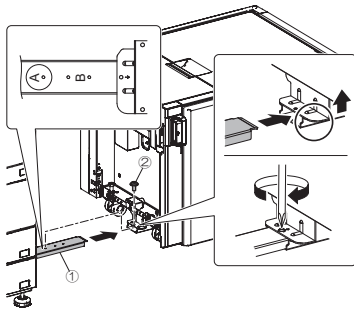
- 5) Insert the temporarily fixed screw A into the key hole in the connecting unit and temporarily fix the connecting unit.



- 6) Fix the other fixing screw A and tighten the temporarily fixed screw A securely.

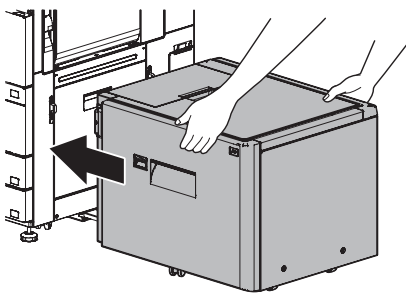


- 7) While lifting the section marked with ○ insert the connection unit into large capacity tray unit and fix the fixing screw B (Packed item No.4) at the mark A on the connection unit.

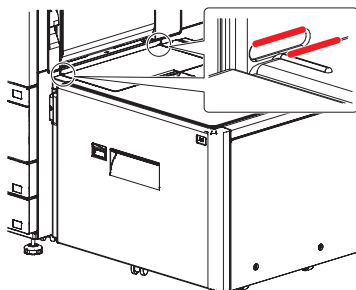


C. Height adjustment

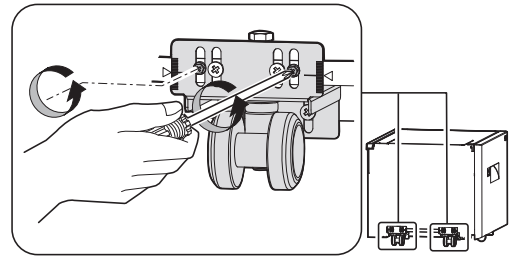
- 1) Put the large capacity tray unit closer to the main unit..



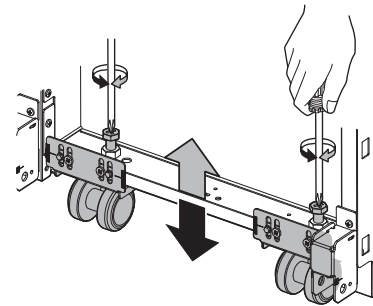
- 2) Check to insure that the height adjustment check top level of the large capacity tray unit.



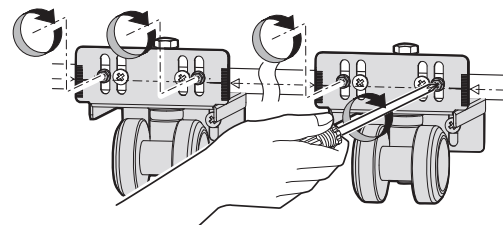
- 3) Loosen the hex washer based screws on the both ends of the caster movable plate on the front and the rear sides.



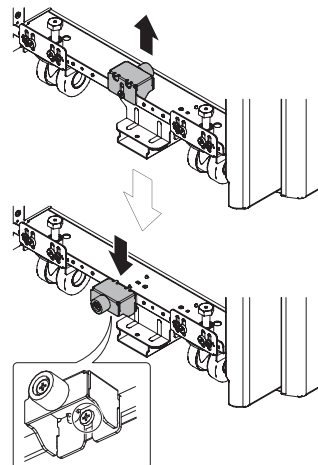
- 4) Turn the adjustment screw behind the plate to adjust the height. after adjustment tighten the screws on the both ends of the caster movable plate which were loosened in the previous procedure.



NOTE: Adjust marks on the left and the right sides of the caster movable plate and the lead edge of the triangular hole are at the same height.

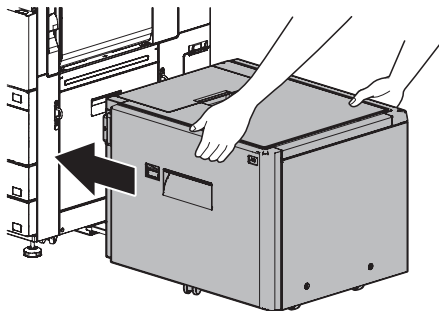


- 5) Change the direction of the adjustment aid.

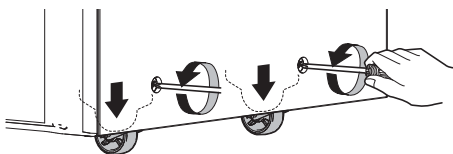


- 6) If the height adjustment is not required, insert the large capacity tray unit further more.

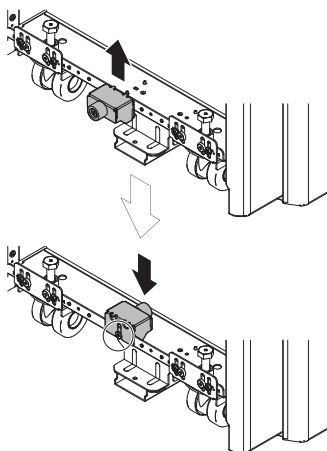
If the height adjustment is required, perform the adjustment procedure from 3).



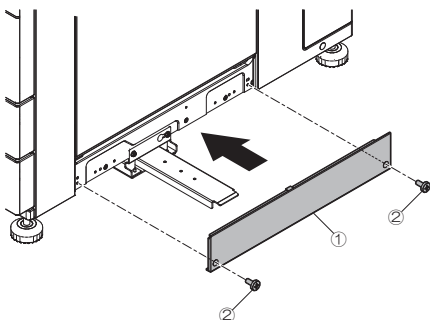
- 7) Loosen the caster screw in the lower section of the large capacity tray unit right side. turn the adjuster to lower the large capacity tray unit right side. tighten the caster screw.



- 8) Change the direction of the adjustment aid back to the original position.

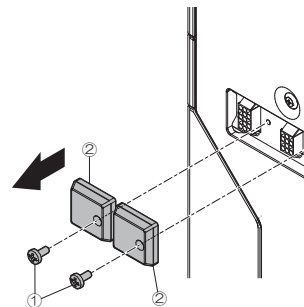


- 9) Attach cover back to the main unit.

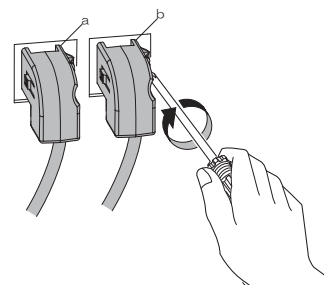


D. Connector connection

- 1) Remove the screw from the upper connector cover and remove the cover to install the large capacity tray unit.

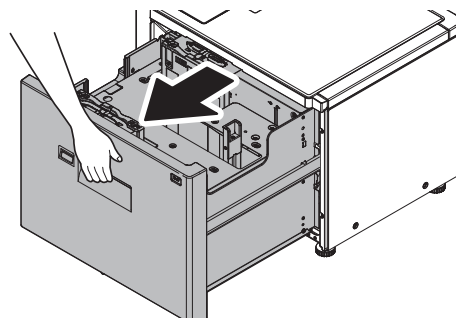


- 2) Connect the large capacity tray interface harness connector to the upper connector (a) and secure the connector with the screw that is molded in the connector. If a heater interface is being installed, connect the interface harness for the heater in connector (b) - the lower connector.



E. Select the paper size

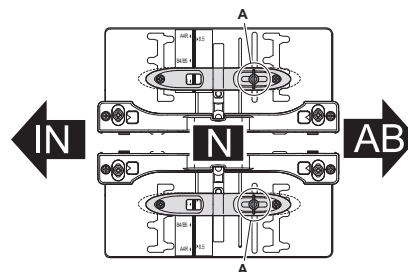
- 1) Slowly pull out the paper feed tray until it stops.



- 2) Side plate size adjustment.

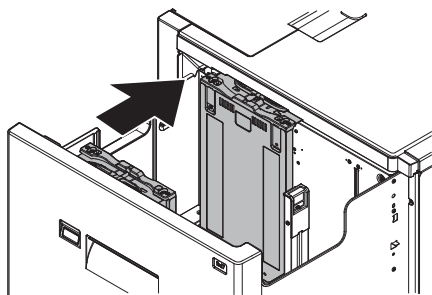
<1>

Loosen the wing bolt (A) on the front and the rear side of the LCC upper part, and slide the handle to the neutral position.



<2>

Move the side plate to the desired paper size position.



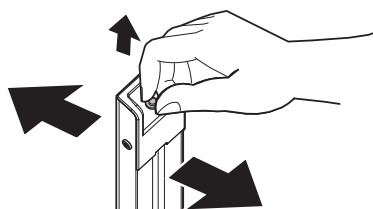
<3>

Slide the handle to the desired paper size position, and lock it and tighten the wing bolt (A).

3) Rear edge plate size changeover

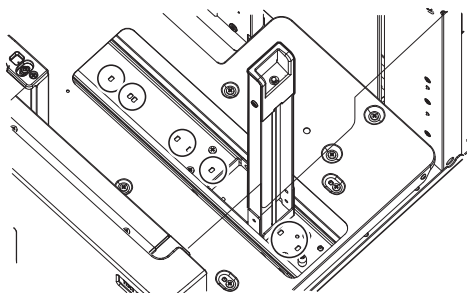
<1>

Lift the lever at the top of the rear edge plate and shift it to the desired paper size position.



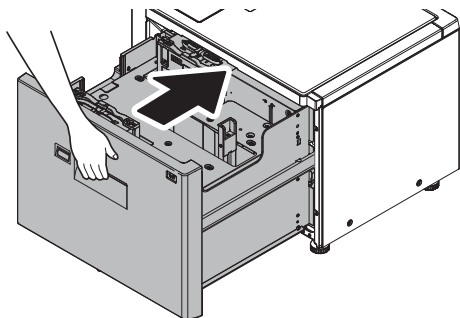
<2>

Insert the lead edge of the movable shaft into the hole in the lower section of the rear edge plate with the upper lever, and lock the rear edge plate to the desired paper size position.



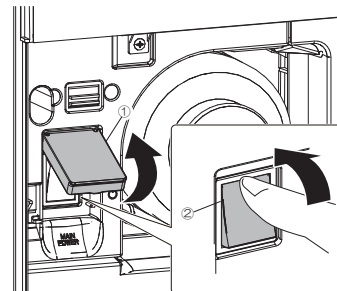
<3>

Push the large capacity tray into the closed (locked) position.

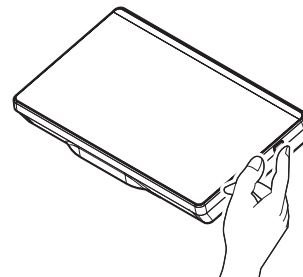


F. Turn on the power of the main unit

- 1) Connect the power plug of the machine to the power outlet.
- 2) Open the front cover and turn ON the main power switch.



- 3) Turn ON the operation panel power switch.



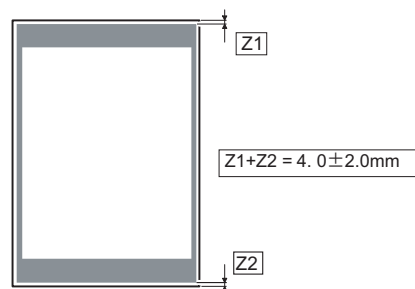
G. Size setting

- 1) Menu screen is displayed on the touch panel. Select the [Paper Tray Settings].
- 2) Select the paper size of LCC from contents of [Paper Tray Settings].

H. Carry out the print off-center adjustment

(1) Adjustment with the simulation

- 1) Run SIM 50-10 using the keypad on the main unit.
- 2) This screen allows you to configure the print off-center adjustment value for each paper feed tray.
- 3) On the touch panel, press [↓] to select "P:MAIN-LC"
- 4) Enter the desired adjustment value through the numeric keypad.
(This value, which defaults to 53, can be adjusted within the range of 1 to 99).
* Increasing the adjustment value by 1 causes the main scan/print position to shift by 0.1 mm toward the rear.
* Reducing the adjustment value by 1 causes the main scan/print position to shift by 0.1 mm toward the front.
- 5) After entering the adjustment value, press the [EXECUTE] key on the touch panel to start printing and save the setting.
- 6) Check that the adjustment pattern image is printed in the correct position. Measure the dimensions of the void areas on the front- and rear-frame sides of the adjustment pattern image, and make sure that the following conditions are met:



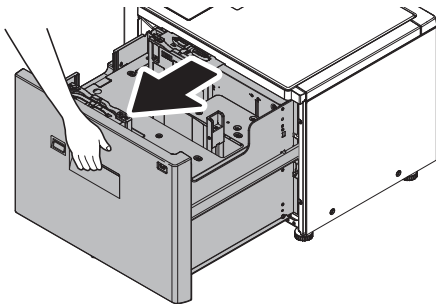
No adjustment is needed if $Z1+Z2 = 4.0 \pm 2.0$ mm.
If the above condition is not met, do the following:

- 7) Change the adjustment value.
(Enter a new adjustment value and press the [OK] key).
Changing the adjustment value by 1 shifts the position by approximately 0.1 mm. Repeat steps 4) to 6) until the condition shown in step 6) is satisfied.
- 8) After you have completed the adjustment, exit from simulation mode by pressing the [CA] key.

(2) Mechanical adjustment

Since the off-center adjustment has been made at shipping, there is normally no need to adjust. If the center is shifted, however, adjust with the simulation. If the shift is not corrected, perform the following steps to adjust.

- 1) Slowly pull out the paper feed base tray until it stops.

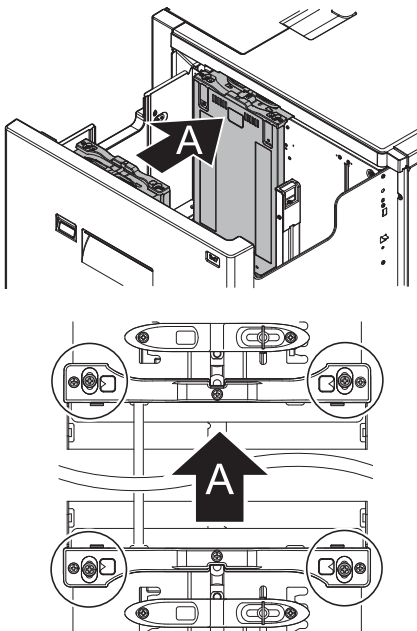


a. When shifted to the front side

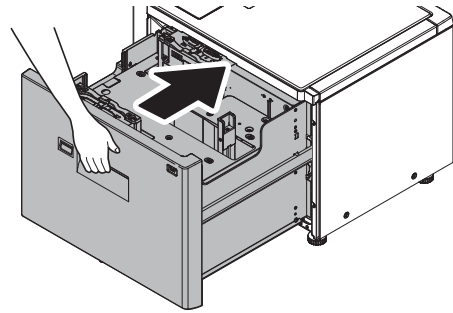
When shifting the line of printing from the center of the paper in the direction A of arrow as shown below:

- 1) Loosen the blue off-center adjustment screws (each 2 pcs.), and move the side plate by the dimension shifted in the direction A (R side), and tighten the loosened blue screws.

NOTE: Move the side plates by the same dimension on the front side and the rear side.



- 2) Push the large capacity tray into the closed (locked) position.



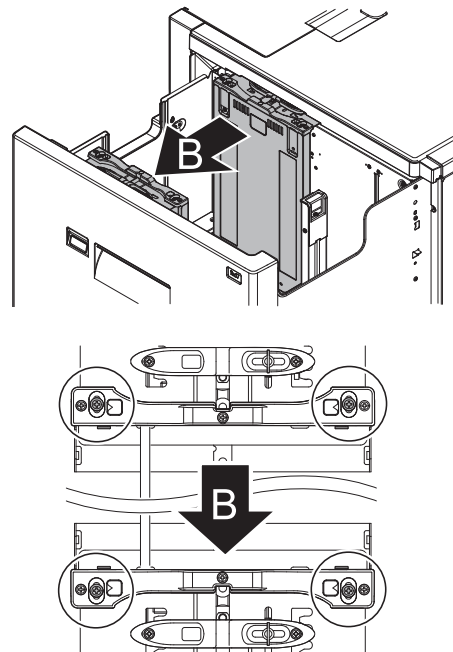
Then make a copy again to check to insure that there is no shift. Repeat this procedure as required.

b. When shifted to the rear side

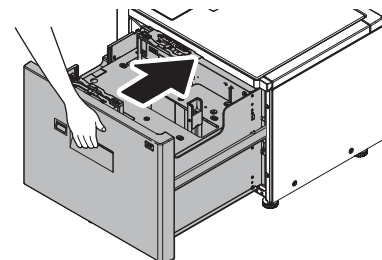
When shifting the line of printing from the center of the paper in the B direction of arrow as shown below:

- 1) Loosen the blue off-center adjustment screws (each 2 pcs.), and move the side plate by the dimension shifted in the direction B (F side), and tighten the blue screws.

NOTE: Move the side plates by the same dimension on the front side and the rear side.



- 2) Push the large capacity tray into the closed (locked) position.



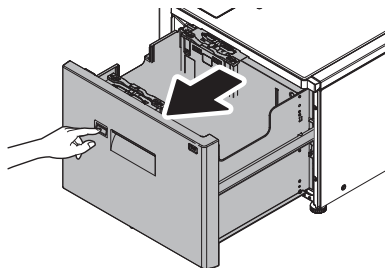
Then make a copy again to insure that there is no shift. Repeat this procedure as required.

(3) Regulation plate adjustment

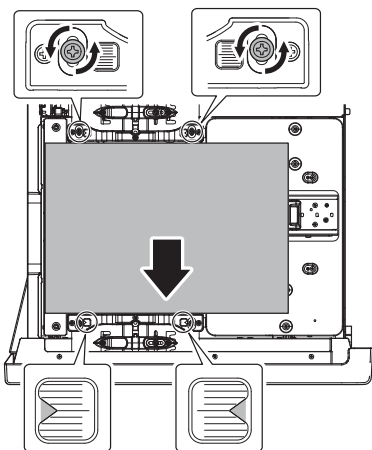
Since the regulation plates are adjusted when shipping, there is basically no need to readjust. If, however, there is skew, adjust the regulation plate width and the diagonal feed in the following procedures:

a. Regulation plate width adjustment

- 1) Press the lock button on the front cabinet and lower the paper feed base tray to the paper supply position. Pull out the large capacity tray.

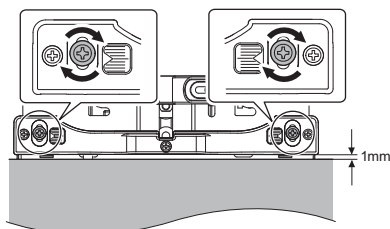


- 2) Set a sheet of paper on the paper feed base tray. Check that the front regulation plate is at the marked center, and push it in contact with the front regulation plate. Loosen the blue screws of the rear regulation plate.



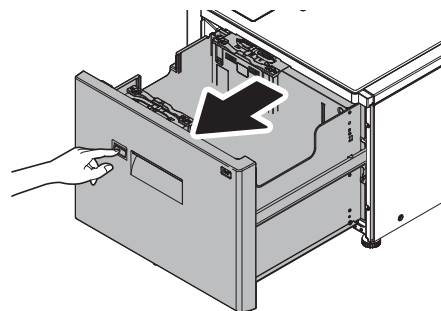
- 3) Use the mark of the rear regulation plate, and fix the blue screws at the position so that the clearance between paper and the rear regulation plate is evenly 1mm.

NOTE: The positions of the regulation plates are even to the right and left marks.

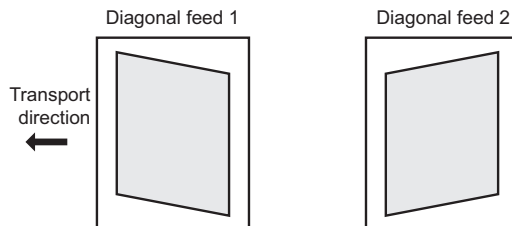


b. Diagonal feed adjustment

- 1) Press the lock button on the front cabinet and lower the paper feed base tray to the paper supply position. Pull out the tray.



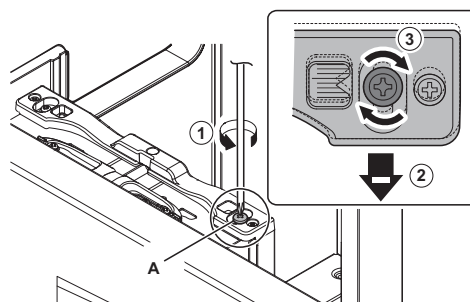
- 2) Adjust the diagonal feed.



In the case of diagonal feed 1

Loosen the blue screw (A) on the front regulation plate.

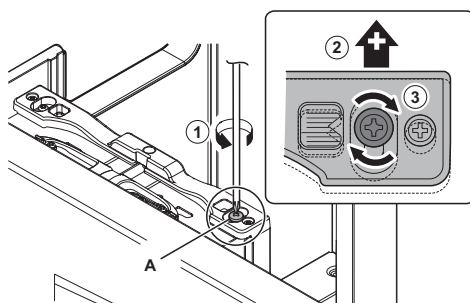
Referring to the degree of diagonal feed, move the regulation plate in the direction of (-) and fix the blue screw.



In the case of diagonal feed 2

Loosen the blue screw (A) on the front regulation plate.

Referring to the degree of diagonal feed, move the regulation plate in the direction of (+) and fix the blue screw.



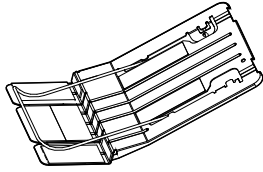
- 3) Set a sheet of paper on the paper feed base tray and adjust the regulation plate width. (Refer to "a. Regulation plate width adjustment.")

NOTE: After completion of the adjustment, check that the front and rear regulation plates are parallel to each other.

[5] MX-LT10 (LONG PAPER FEEDING TRAY)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	Long paper feeding tray	1

2. Installation

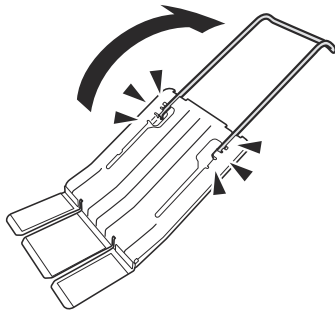
Important

Do not insert the finger in the hook part of the tray.



A. Long paper feeding tray attachment

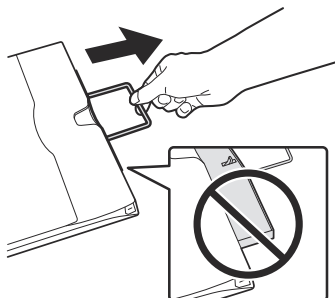
- 1) Open the long paper feeding tray guide and hook it to the lock of the long paper feeding tray.



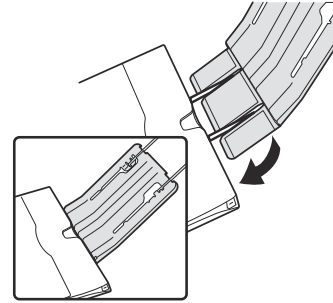
- 2) Pull out the guide of the machine.

Important

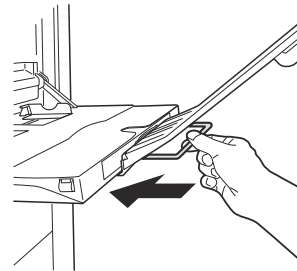
Do not pull out the MF tray unit with the guide.



- 3) Hook the Long paper feeding tray to the guide of the machine.



- 4) Insert the guide of the machine.



Important

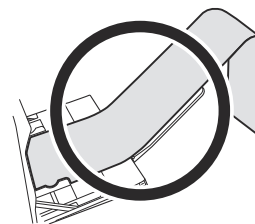
This tray can only be used for long paper feeding.



Do not leave long paper for an extended period of time.



You can use long paper with this tray.



B. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

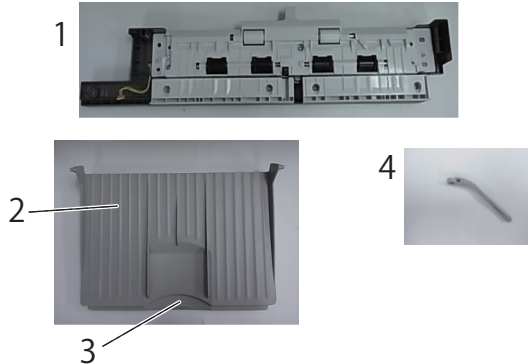
C. Tray setting

Use SIM26-50 to set the LONG SIZE PRINT YES/NO.

[6] MX-TR21 (EXIT TRAY UNIT)

1. Unpacking

A. Packed items check



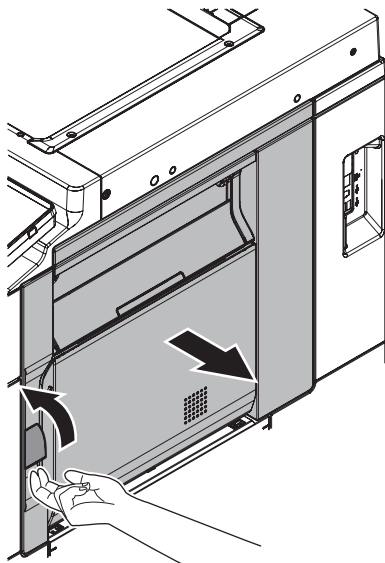
No.	Name	Quantity
1	Right delivery unit	1
2	Delivery tray	1
3	Delivery extension tray	1
4	Full detect actuator	1

2. Installation

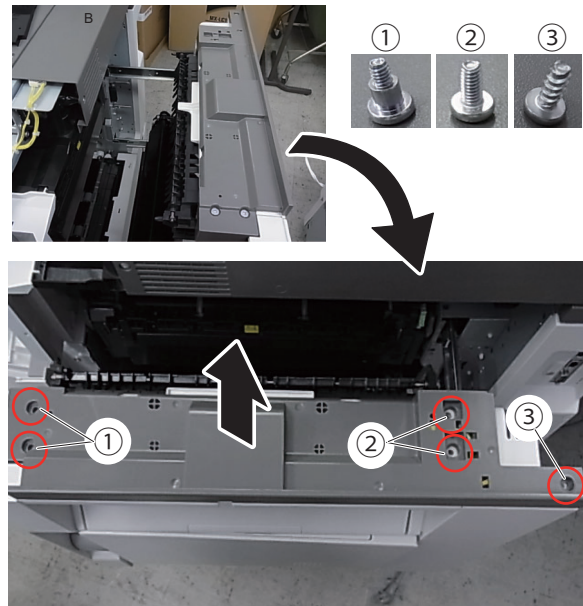
NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Right delivery unit dummy removal

- 1) Open the right door.

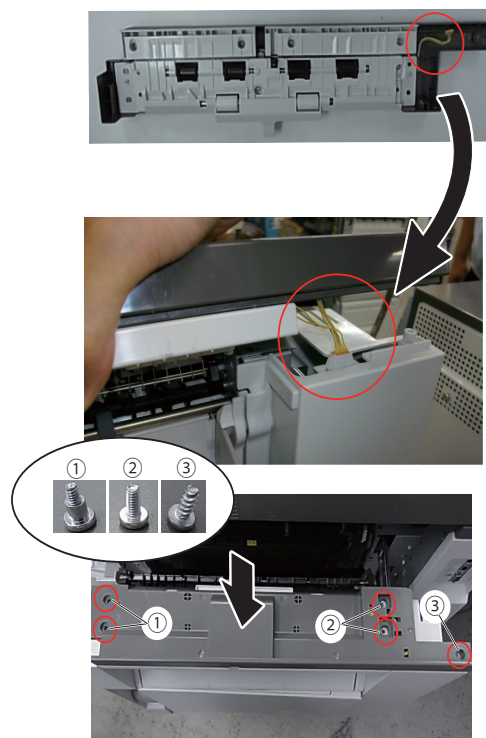


- 2) Remove the screws. Remove the right delivery unit.



B. Right delivery unit installation

- 1) Attach the right delivery unit to the original positions. Connect the harness. Fix the right delivery unit with the screws (5 pcs.)



C. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

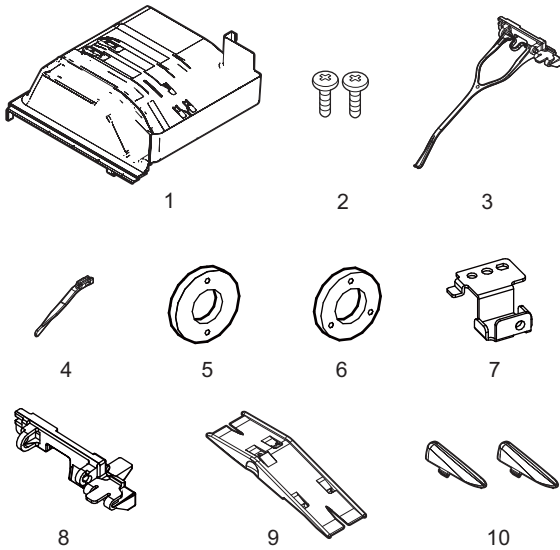
D. Tray setting

Use SIM26-1 to set the tray YES/NO.

[7] MX-TU15 (EXIT TRAY CABINET)

1. Unpacking

A. Packed items check



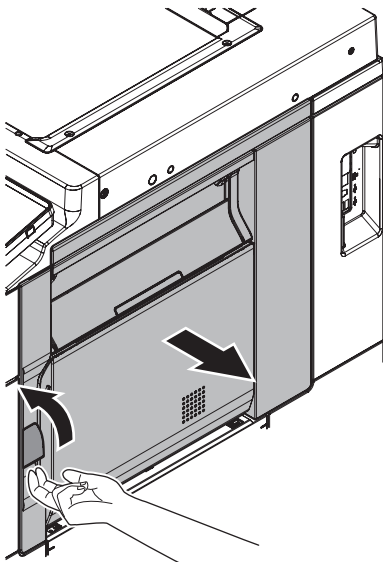
No.	Name	Quantity
1	Delivery tray cabinet	1
2	Screw	2
3	Paper fixture	1
4	Full detect actuator	1
5	Delivery sponge A	2
6	Delivery sponge B	2
7	Delivery tray cabinet fixing plate	1
8	Paper fixing holder	1
9	Delivery tray auxiliary guide	1
10	Upper delivery guide	2

2. Installation

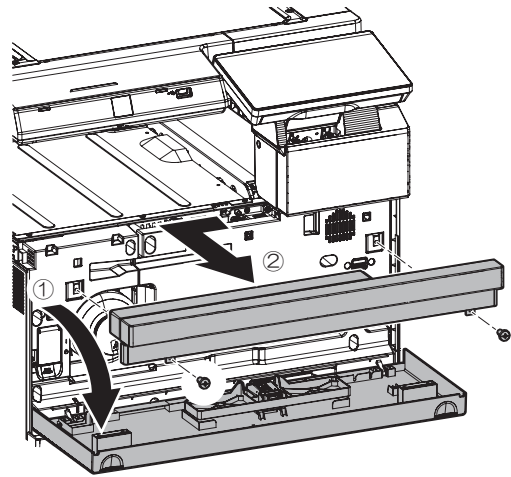
Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Paper exit tray attachment

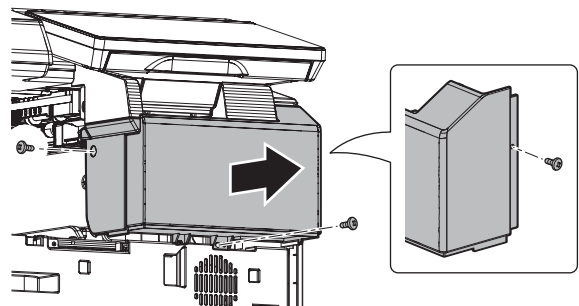
- 1) Open the right door.



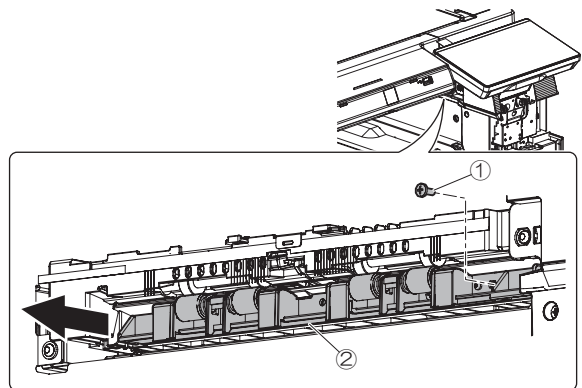
- 2) Open the front cover, and remove the screw and cover.



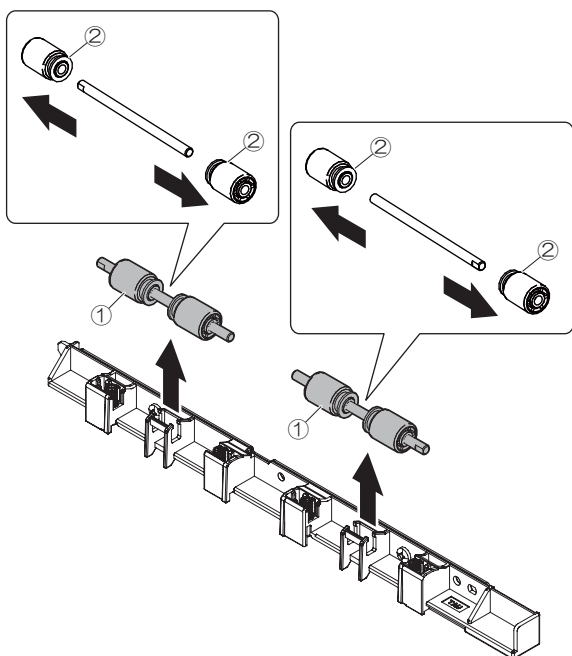
- 3) Remove the screws and the cover.



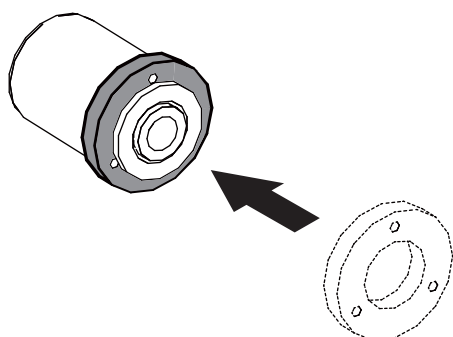
- 4) Remove the screw and paper guide.



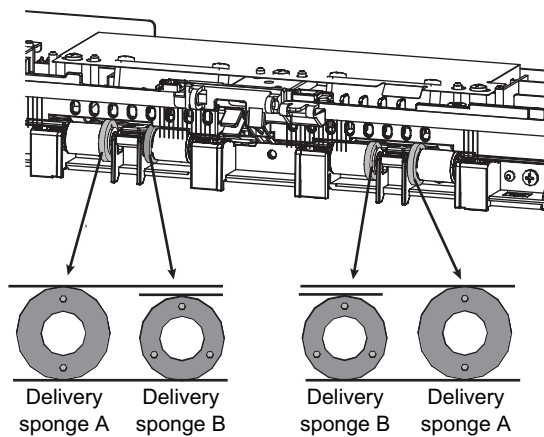
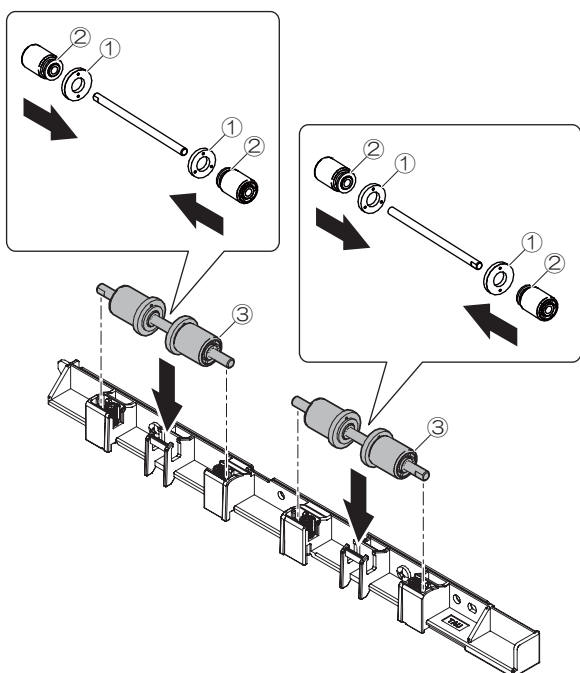
- 5) Remove the roller shaft and the roller.



- 6) Attach the sponge (Packed item No.5) to the roller.

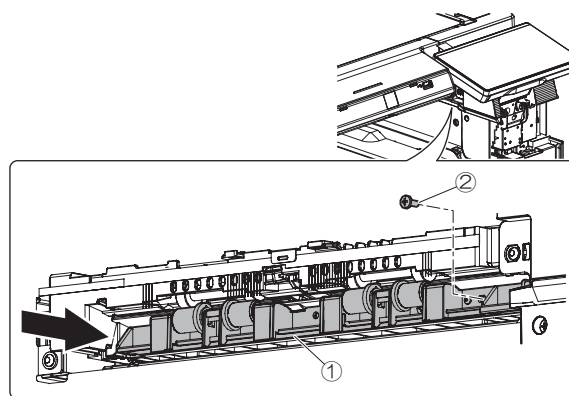


- 7) Attach the roller shaft and the roller back to the paper guide.

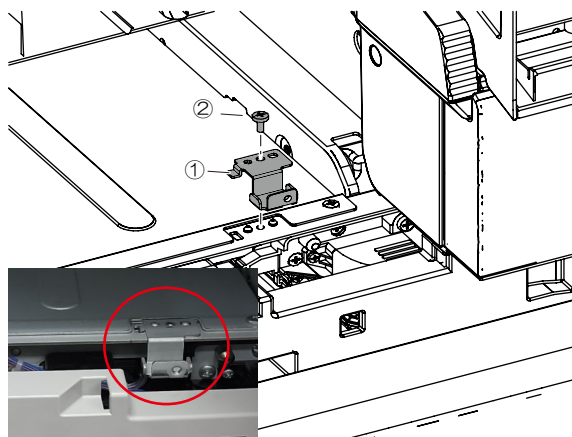


	Delivery sponge A	Delivery sponge B
Outer diameter	φ21	φ19
Inside diameter	φ10	φ10
Identification hole	2	3

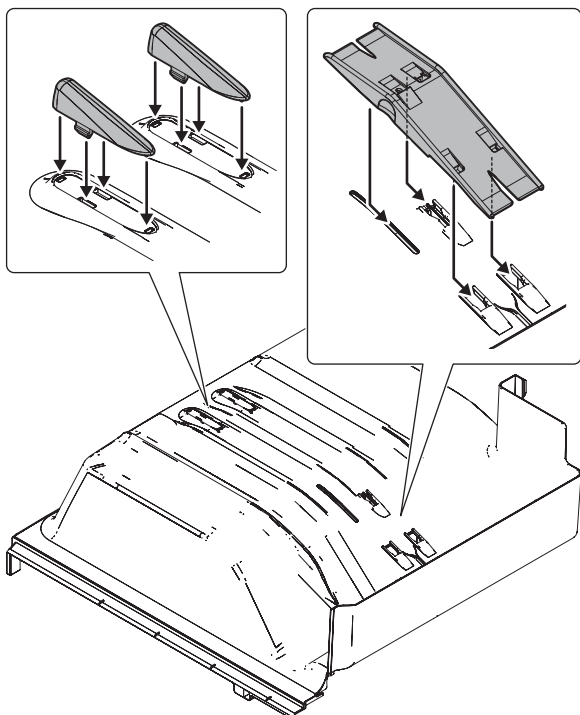
- 8) Attach the paper guide back to the main unit and fix it with screw.



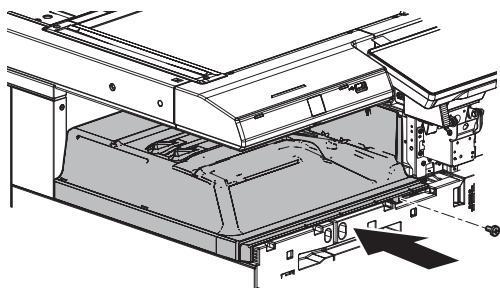
- 9) Attach the delivery tray cabinet fixing plate and fix it with screw.



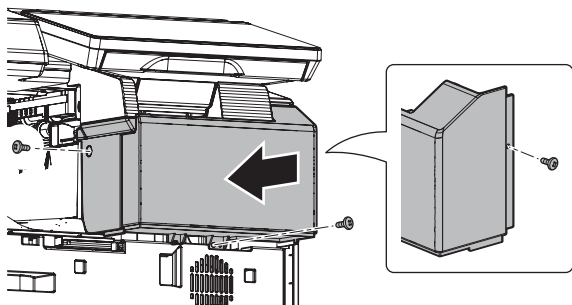
- 10) Attach the delivery tray auxiliary guide and the upper delivery guides.



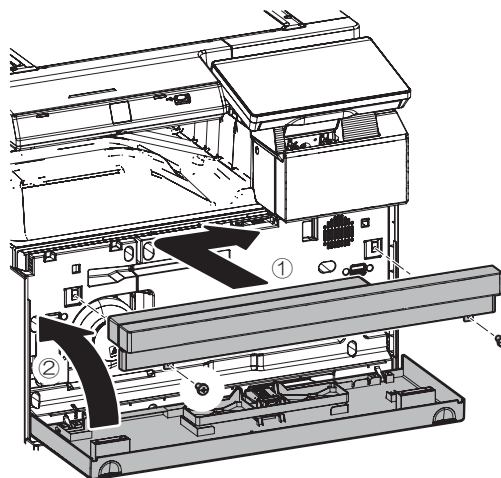
- 11) Attach the paper exit tray, and fix it with the screw.



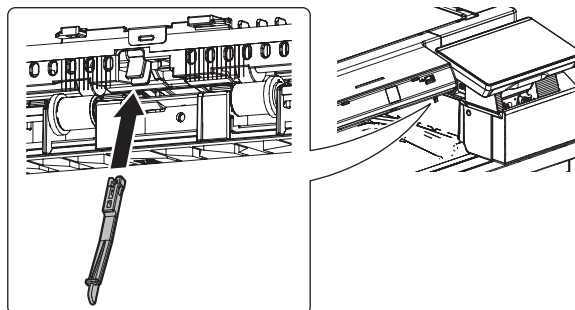
- 12) Attach the cover and close the right door.



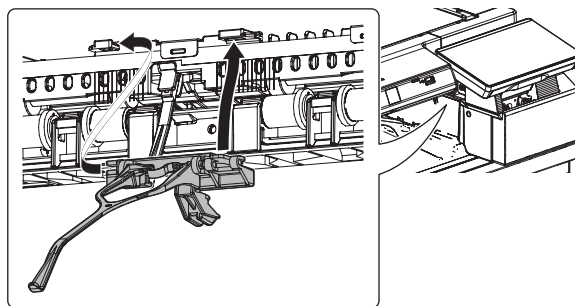
- 13) Install cover back to the original position and close the front cover.



- 14) Attach the full detection actuator.
Be careful of the installing direction of the full detection actuator.



- 15) Attach the paper holding arm.



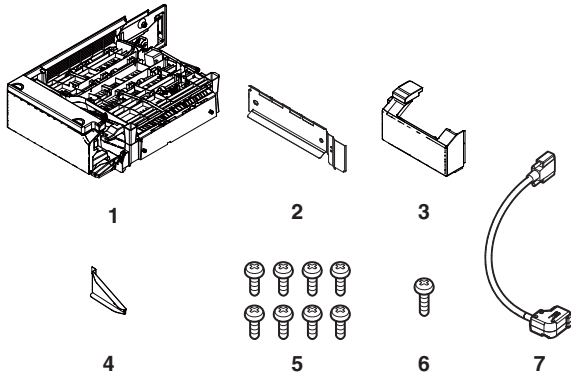
B. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

[8] MX-RB26 (PAPER PASS UNIT)

1. Unpacking

A. Packed items check



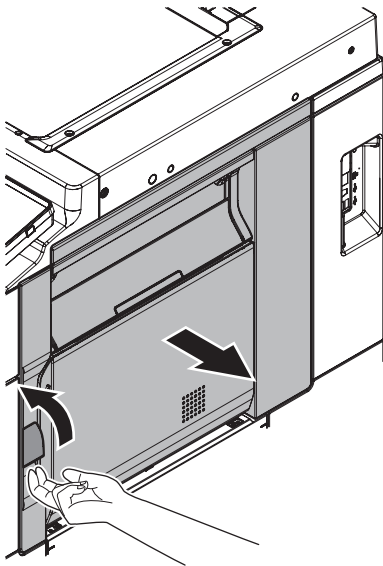
No.	Packed part names	Quantity
1	Paper pass unit	1
2	Positioning plate right	1
3	Change cover	1
4	MG catch plate	1
5	Screw A (M4x8)	8
6	Screw B (M4x10)	1
7	Paper pass unit harness (Used when installing MX-FN34 or FN35.)	1

2. Installation

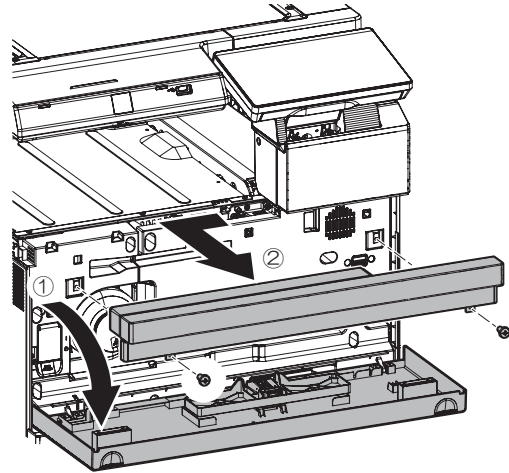
NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Installation of the paper pass unit

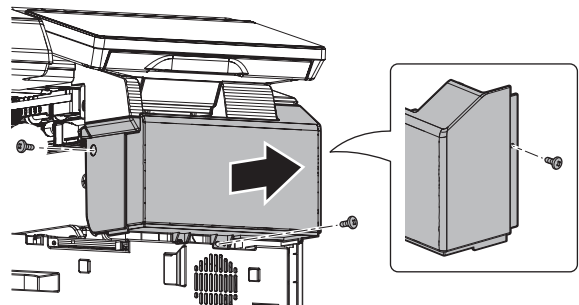
- 1) Open the right door.



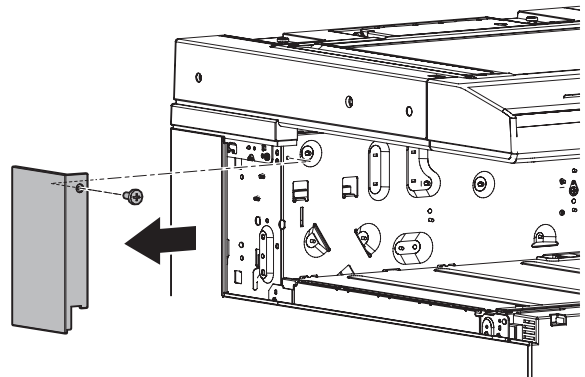
- 2) Open the front cover, and remove the screw and cover.



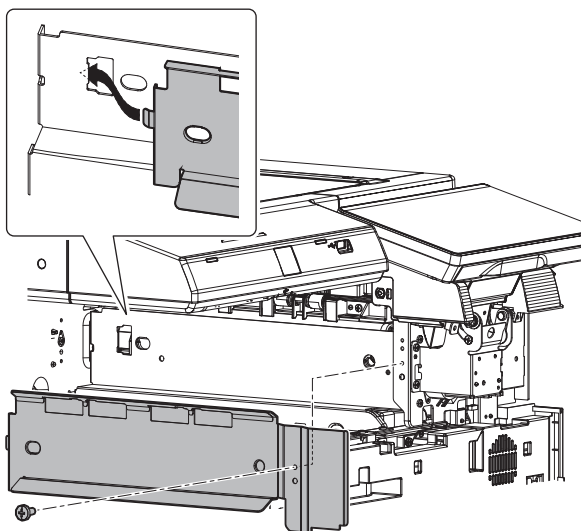
- 3) Remove the screws and the cover.



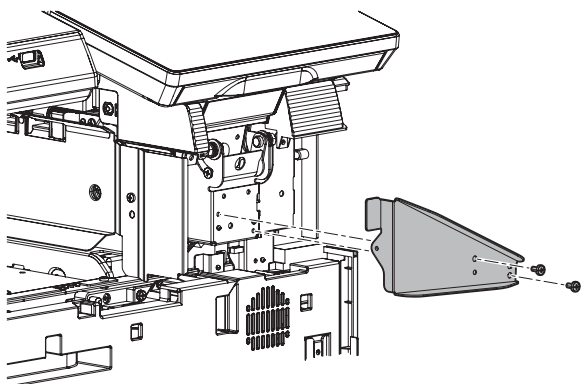
- 4) Remove the screw and left cover.



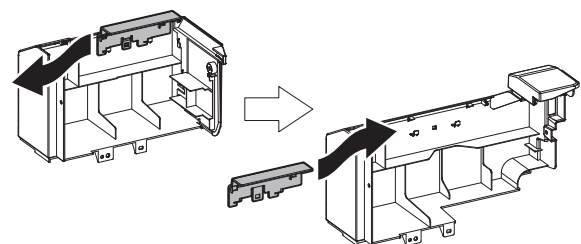
- 5) Engage the projection of the main unit frame with the hole in the plate (Packed item No.2) and install it and fix it with screw (Packed item No.5)



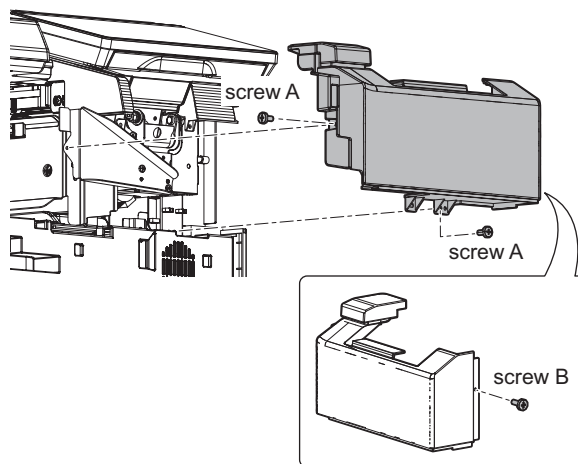
- 6) Attach MG catch plate (Packed item No.4) to the frame and fix with screws (Packed item No.5)



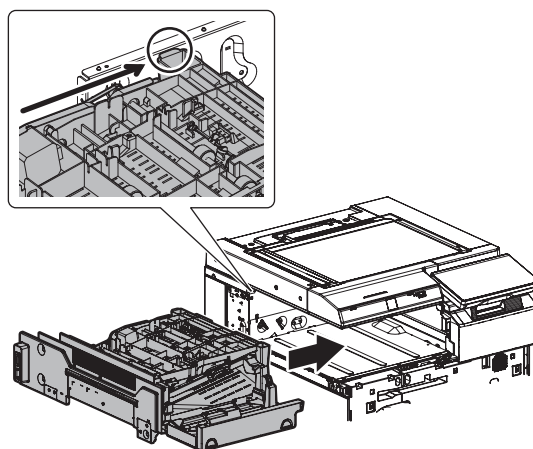
- 7) Remove the connection cover from the cover removed by step 2 and attach it to the cover (Packed item No.3)



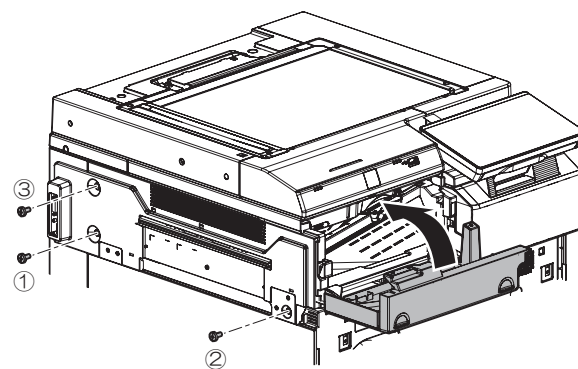
- 8) Install the cover and fix with the screw A (Packed item No.5) and screw B (Packed item No.6).



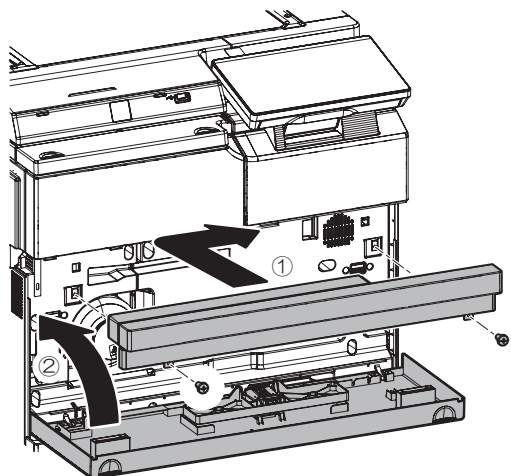
- 9) Install the unit (Packed item No.1)



- 10) Fix with the screws (Packed item No.5) in the order of 1 through 3.



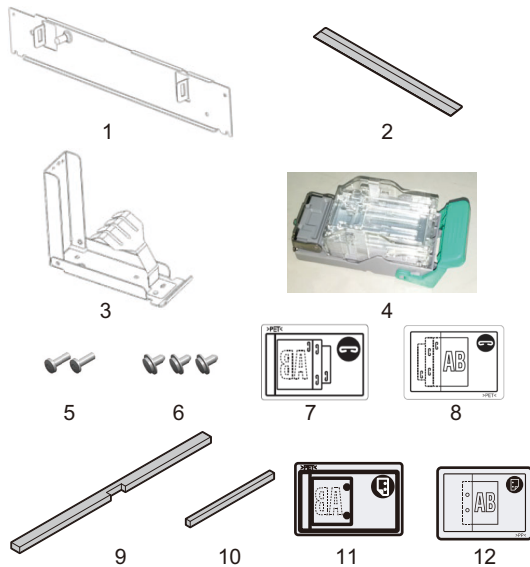
11) Install cover back to the original position and close front cover



[9] MX-FN34 (FINISHER)

1. Unpacking

A. Packed items check

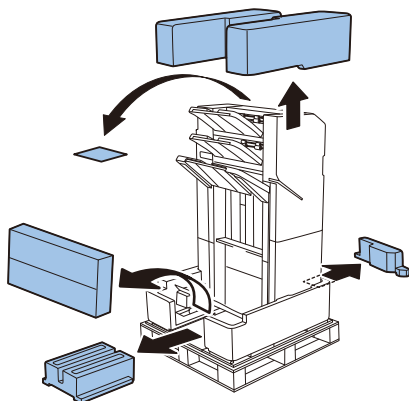


No.	Name	Quantity
1	Connection guide plate	1
2	Paper guide sheet	1
3	Earth plate	1
4	Stapler unit staple case	1
5	Screw (M4× 14 S- tight)	2
6	Screw (M3× 6 S- tight)	3
7	Staple position label (for scanner)	1
8	Staple position label (for DSPF)	1
9	Cushion A	1
10	Cushion B	1
11	Punch position label (for scanner)	1
12	Punch position label (for DSPF)	1

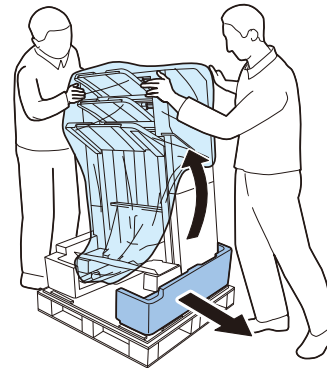
B. Removal of the finisher

NOTE: It is recommendable to work by two or more persons.

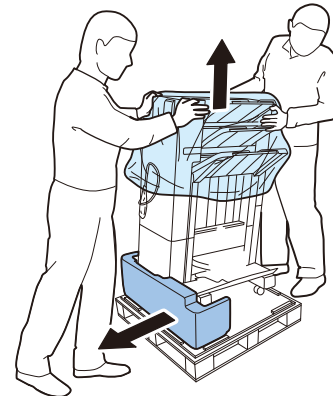
- 1) Open the box, and take out the accessory boxes, packed items, and cushioning materials.



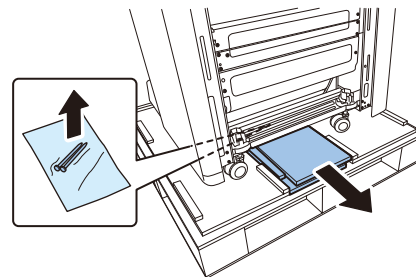
- 2) While holding the upper parts of the main unit and lifting the one side of the machine, remove the cushioning materials. At this time, be sure to hold up the plastic bag of the lifting side.



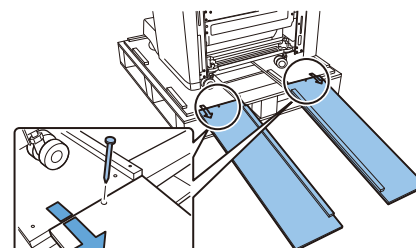
- 3) While holding the upper parts of the main unit and lifting the opposite side of Step.2), remove the cushioning materials and the plastic bag.



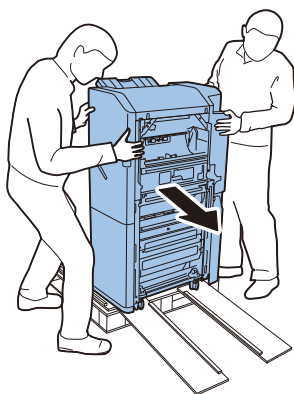
- 4) Remove the slope plates (x2) and the fixing pins (x2). Fixing pins are attached to the slope plate with the tape.



- 5) Align the line on the pallet and the arrow mark on the slope plate, and mount the slope plates (x2) to the pallet with the screws (x2).

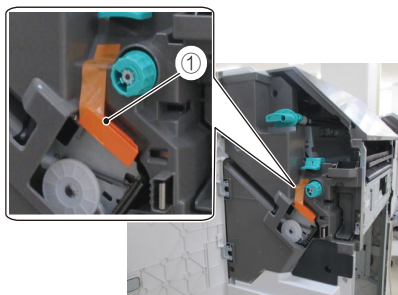


- 6) Put the casters of the main unit on the slope plates, and then slowly move the main unit to the floor.

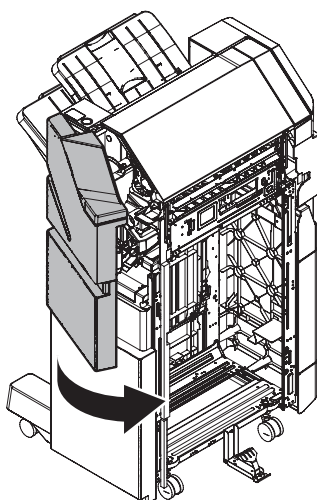


C. Removal of the fixing tape and protection material

- 1) Remove all fixing tapes/protection materials from the exterior.
- 2) Open the front upper cover. Remove all tapes and take out the protection materials from the stapler section.



- 3) Close the front upper cover.



2. Installation

Important

Check the firmware version.

If the firmware version is old, update the firmware.

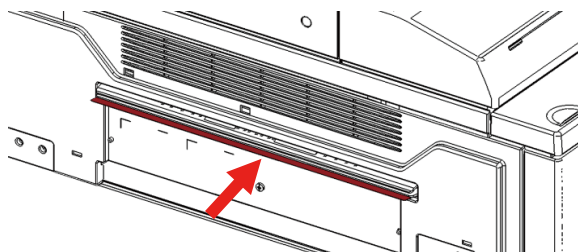
Important

Before starting the installation work, be sure to turn OFF the power switch of the operation panel and the main power switch on the main unit, and remove the power plug from the socket.

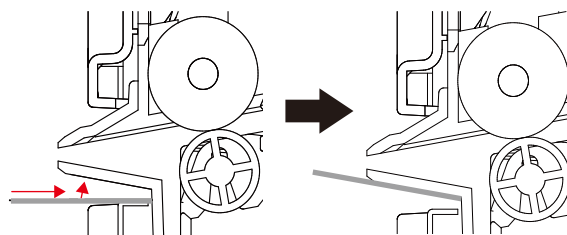
Check that the data lamp of the operation panel is not lit or blinking before the installation work.

A. Preparation on the main unit

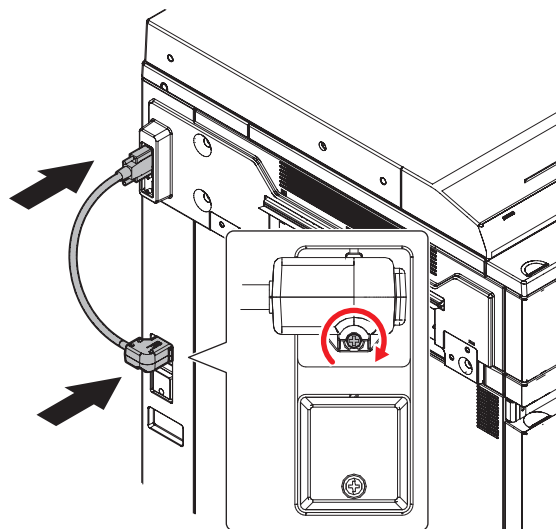
- 1) Paste the paper guide sheet (bundled with the finisher, Packed item No.2) on the paper delivery section of the paper path unit (MX-RB26).



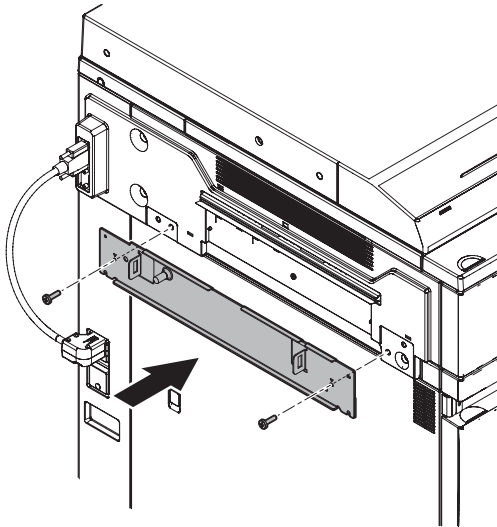
Align the sheet along the metal plate, press it to the back, and paste it on the lower surface of the guide part.



- 2) Connect the interface cable bundled with MX-RB26 (packed item No.7) to D-SUB connector of Paper pass unit and the main unit connector (upper) and fix it with the screw.

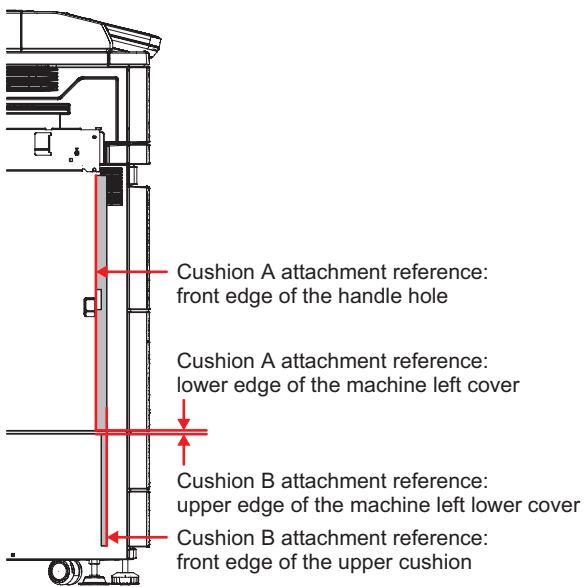


- 3) Install the connection guide plate (Packed item No1.) with the screws (x2) (Packed items No.5 M4x14 S- tight).



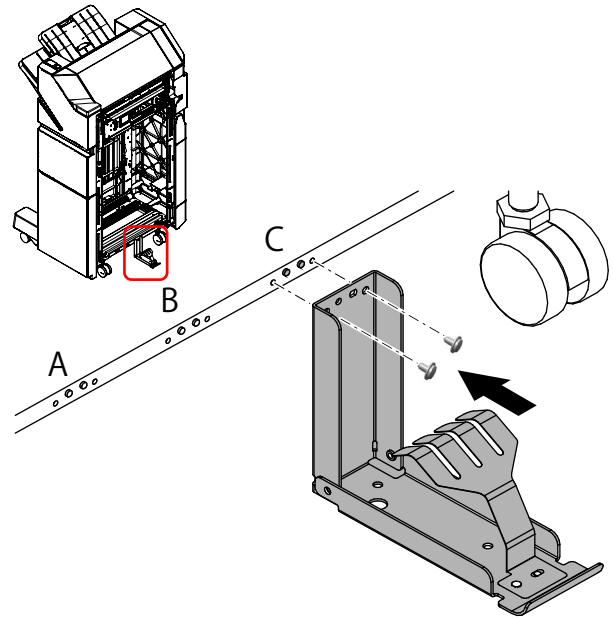
B. Attaching the cushion

- 1) Attach the cushion A (Packed items No.9), the cushion B (Packed items No.10) to the position indicated in the figure.



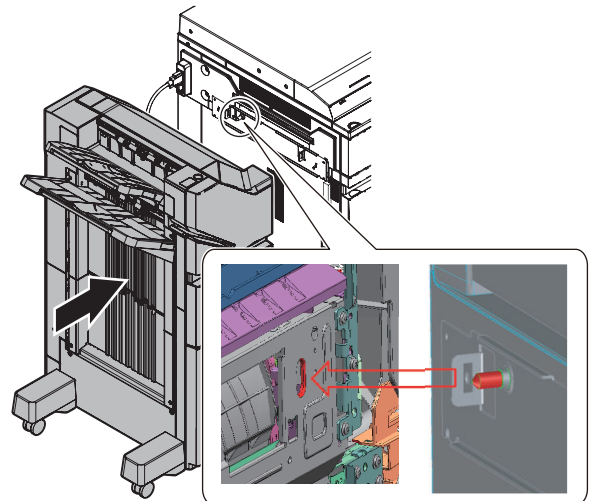
C. Installation of the earth plate

- 1) Install the earth plate (Packed items No.3) with the screws (x2) (Packed item No.6 M3x6).



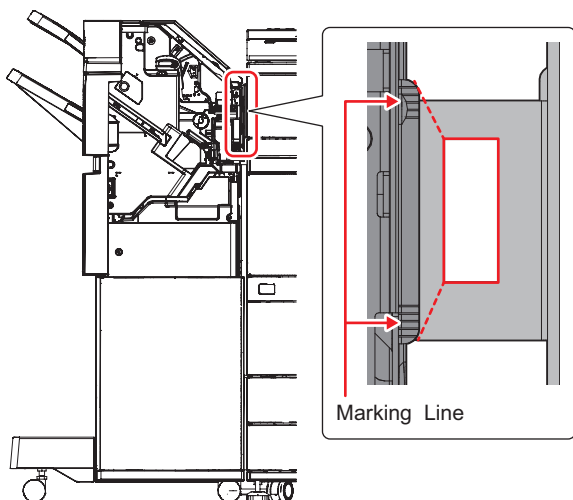
D. Connection of the finisher to the main unit

- 1) Fit the pin of the connection guide plate into the positioning hole of the finisher.



E. Check of the height of the main unit and the finisher

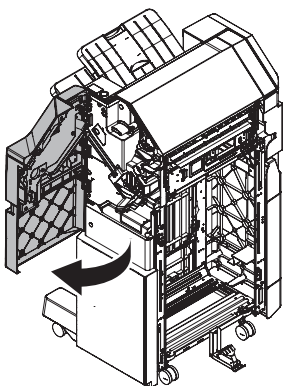
- 1) Check that the hole on the protrusion of the connection guide plate is located between the marking lines of the protrusion of the finisher.



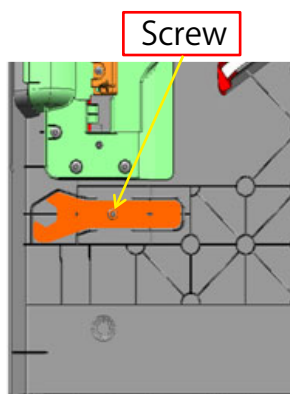
*If the hole is not located between the marking lines, perform the height/skew adjustment.

F. Height/skew adjustment

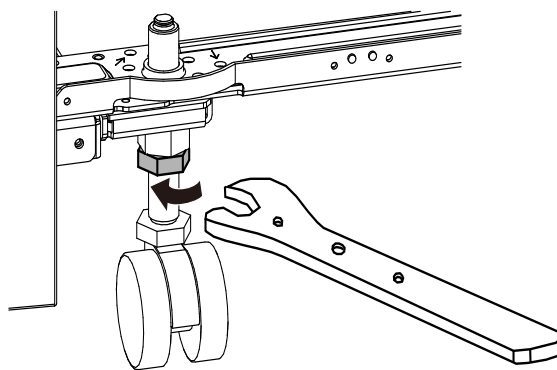
- 1) Open the front cover.



- 2) Unscrew the screw (x1) and remove the wrench.



- 3) Turn the fixing nut of the caster in the direction of the arrow as shown with the wrench, and then loosen it.

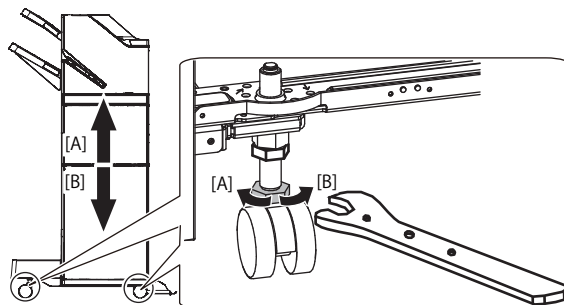


- 4) When adjusting the height, make adjustment at 4casters shown in the picture.

Adjust the height of the adjusting nut of the caster by turning it in the direction of the arrow as shown. (When turning the adjusting nut 360-degree, the height of the finisher changes about 1.75mm.)

*For heightening the finisher: Turn the nut in [A] direction.

*For lowering the finisher: Turn the nut in [B] direction.

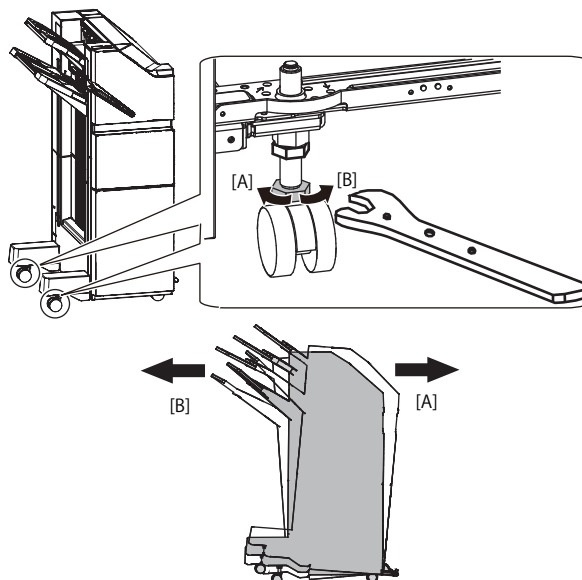


- 5) When adjusting the skew, make adjustment at 2casters shown in the picture.

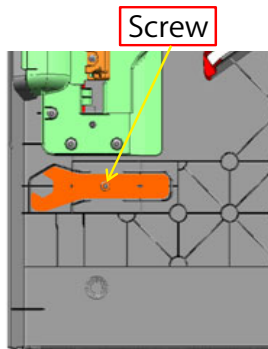
Adjust the skew of the adjusting nut of the caster by turning it in the direction of the arrows as shown.

*For skewing the finisher to the right side: Turn the nut in [A] direction.

*For skewing the finisher to the left side: Turn the nut in [B] direction.



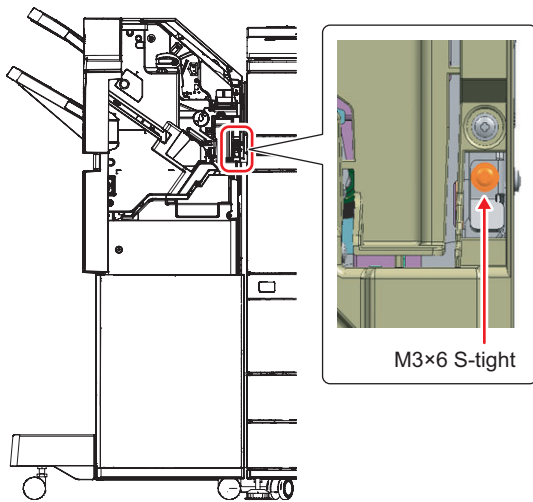
- 6) After the adjustment, return the wrench to the original position.



G. Fixation of the lock slide plate

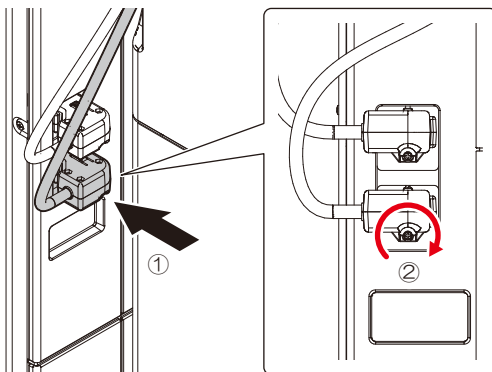
- 1) Fix the lock slide plate with the screw (x1) (Packed item No.6 M3x6 S Tight).

Close the front cover of the finisher.



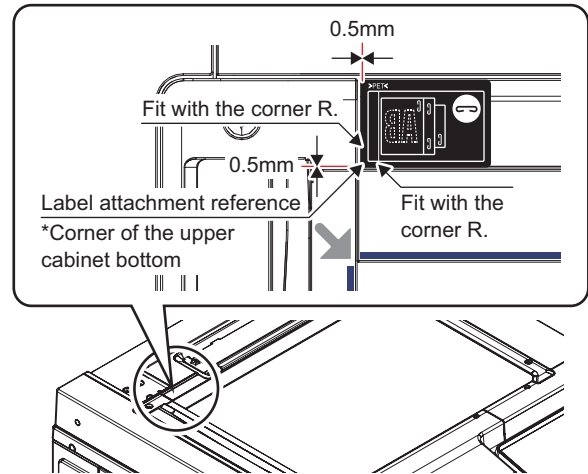
H. Connection of the harness

- 1) Attach the connector of the finisher and fix it with the screw.

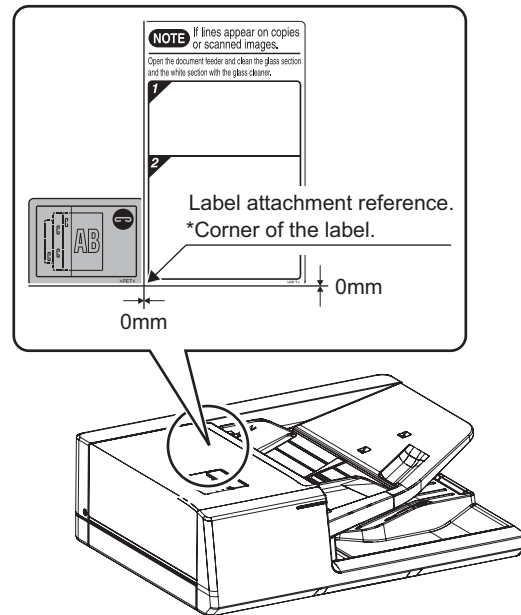


I. Placing of the staple position label

- 1) Place the staple position label (for scanner)



- 2) Place the staple position label (for DSPF)

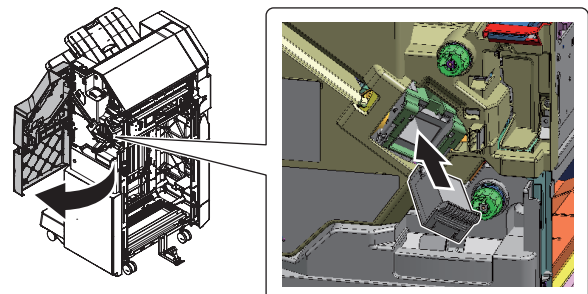


J. Power-ON of the main unit

- 1) Insert the power plug into the socket, and turn ON the main power switch and the power switch of the operation panel.

K. Installation of the stapler unit staple case

- 1) Open the front cover. Install the stapler unit staple case (Packed item No.4) into the stapler unit.

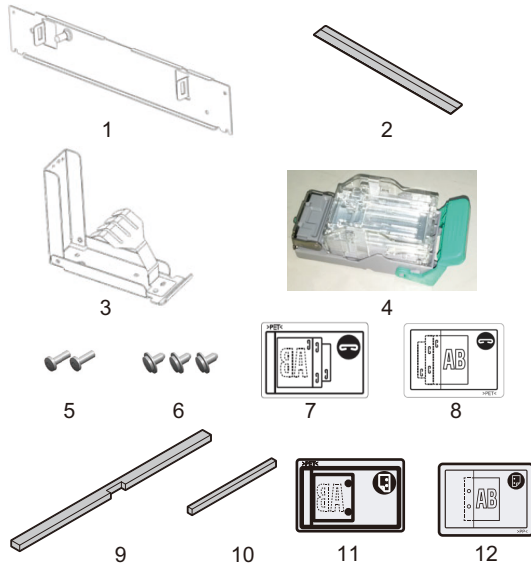


NOTE: The staple unit cannot be fixed if the power is OFF. When installing the stapler unit staple case, insert it while holding it so that the stapler unit cannot go deep inside.

[10] MX-FN35 (SADDLE STITCH FINISHER)

1. Unpacking

A. Packed items check

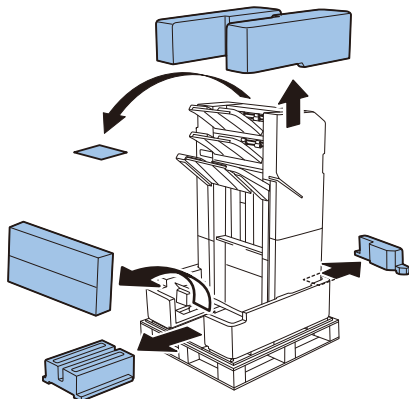


No.	Name	Quantity
1	Connection guide plate	1
2	Paper guide sheet	1
3	Earth plate	1
4	Stapler unit staple case	1
5	Screw (M4× 14 S- tight)	2
6	Screw (M3× 6 S- tight)	3
7	Staple position label (for scanner)	1
8	Staple position label (for DSPF)	1
9	Cushion A	1
10	Cushion B	1
11	Punch position label (for scanner)	1
12	Punch position label (for DSPF)	1

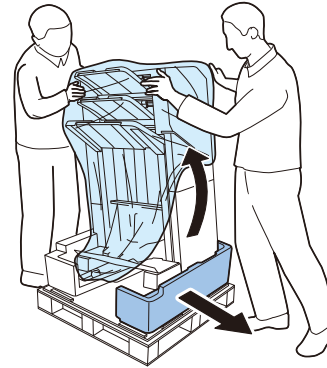
B. Removal of the finisher

NOTE: It is recommendable to work by two or more persons.

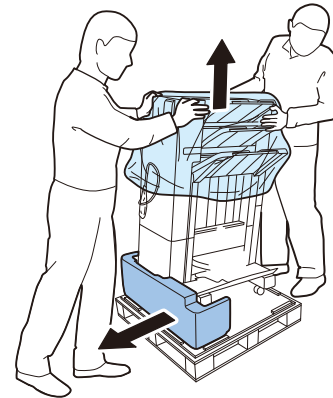
- 1) Open the box, and take out the accessory boxes, packed items, and cushioning materials.



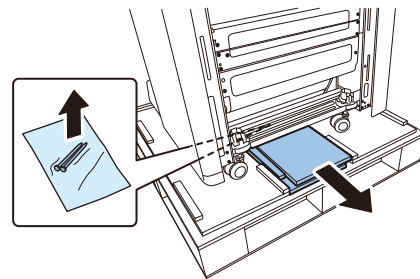
- 2) While holding the upper parts of the main unit and lifting the one side of the machine, remove the cushioning materials. At this time, be sure to hold up the plastic bag of the lifting side.



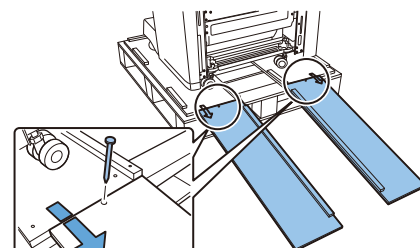
- 3) While holding the upper parts of the main unit and lifting the opposite side of Step.2), remove the cushioning materials and the plastic bag.



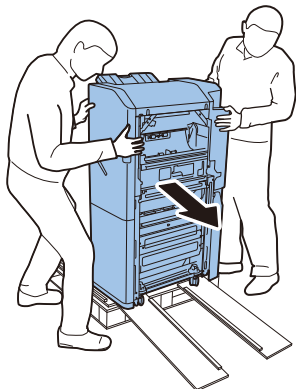
- 4) Remove the slope plates (x2) and the fixing pins (x2). Fixing pins are attached to the slope plate with the tape.



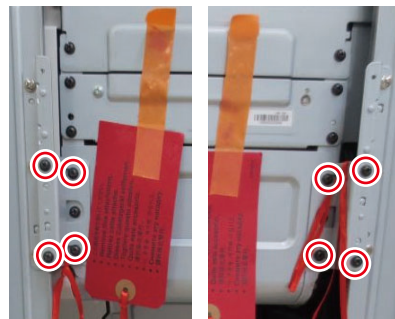
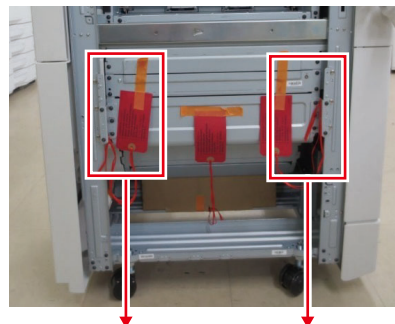
- 5) Align the line on the pallet and the arrow mark on the slope plate, and mount the slope plates (x2) to the pallet with the screws (x2).



- 6) Put the casters of the main unit on the slope plates, and then slowly move the main unit to the floor.

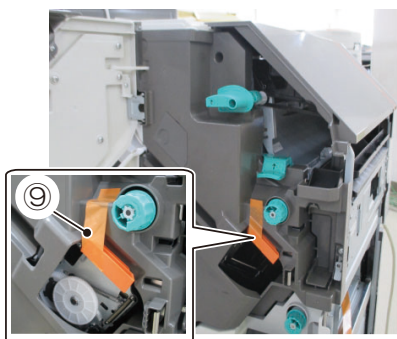


- 4) Remove black screws (8pcs) and remove the fixing brackets (at F-side/R-side) with red tags and protective material with red tag in the center.

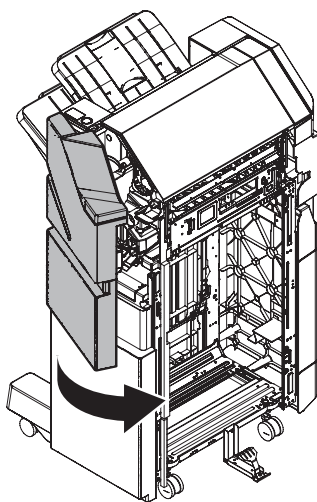


C. Removal of the fixing tape and protection material

- 1) Remove all fixing tapes/protection materials from the exterior.
- 2) Open the front upper cover. Remove all tapes and take out the protection materials from the stapler section.



- 3) Close the front upper cover.



2. Installation

Important

Check the firmware version.

If the firmware version is old, update the firmware.

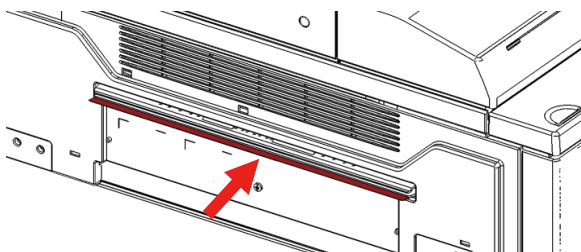
Important

Before starting the installation work, be sure to turn OFF the power switch of the operation panel and the main power switch on the main unit, and remove the power plug from the socket.

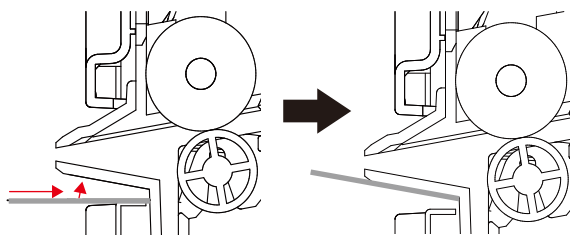
Check that the data lamp of the operation panel is not lit or blinking before the installation work.

A. Preparation on the main unit

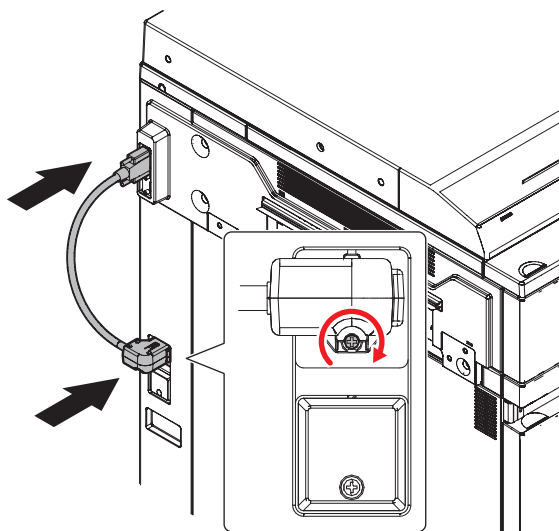
- 1) Paste the paper guide sheet (bundled with the finisher, Packed item No.2) on the paper delivery section of the paper path unit (MX-RB26).



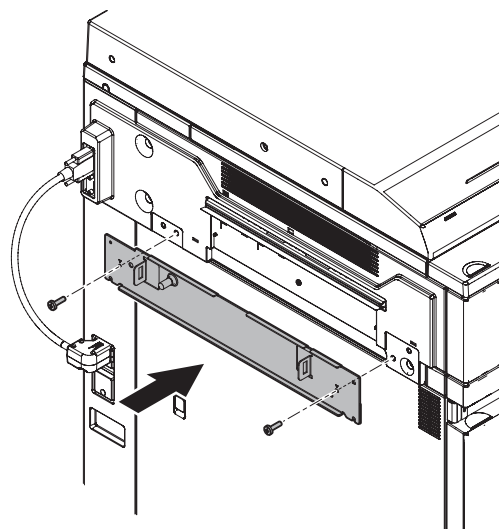
Align the sheet along the metal plate, press it to the back, and paste it on the lower surface of the guide part.



- 2) Connect the interface cable bundled with MX-RB26 (packed item No.7) to D-SUB connector of Paper pass unit and the main unit connector (upper) and fix it with the screw.

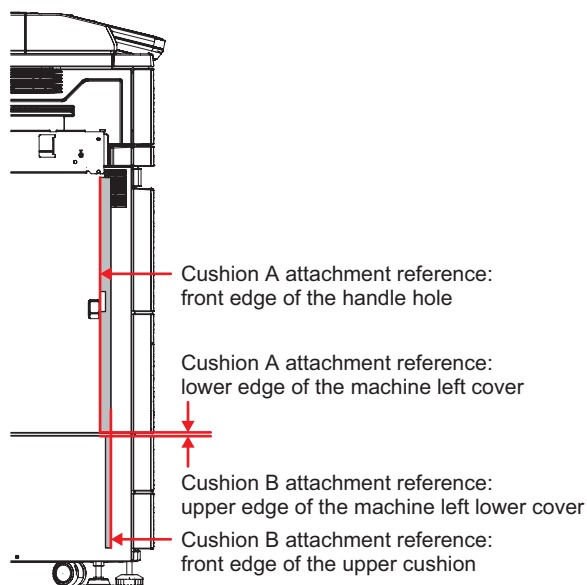


- 3) Install the connection guide plate (Packed item No.1.) with the screws (x2) (Packed items No.5 M4x14 S- tight).



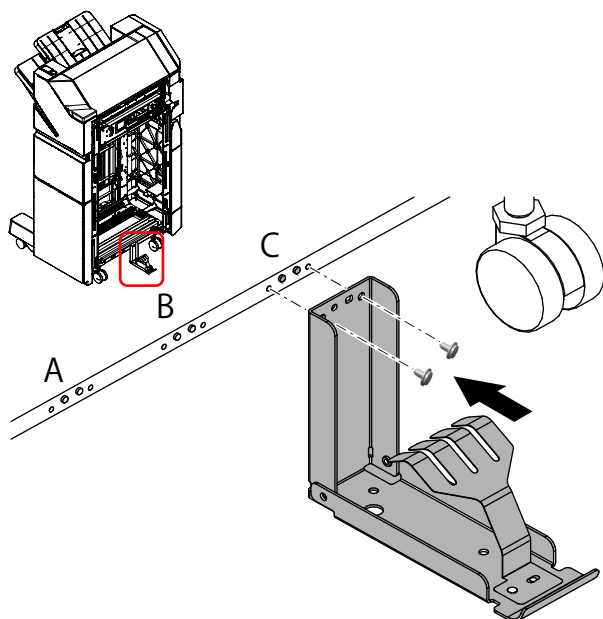
B. Attaching the cushion

- 1) Attach the cushion A (Packed items No.9), the cushion B (Packed items No.10) to the position indicated in the figure.



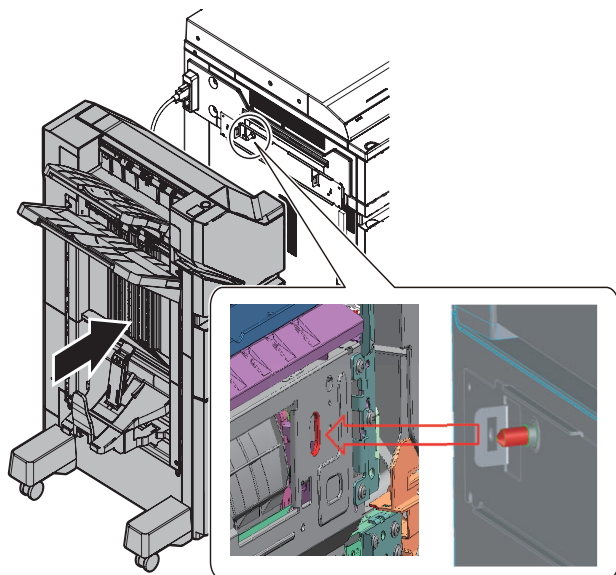
C. Installation of the earth plate

- 1) Install the earth plate (Packed items No.3) with the screws (x2) (Packed item No.6 M3x6).



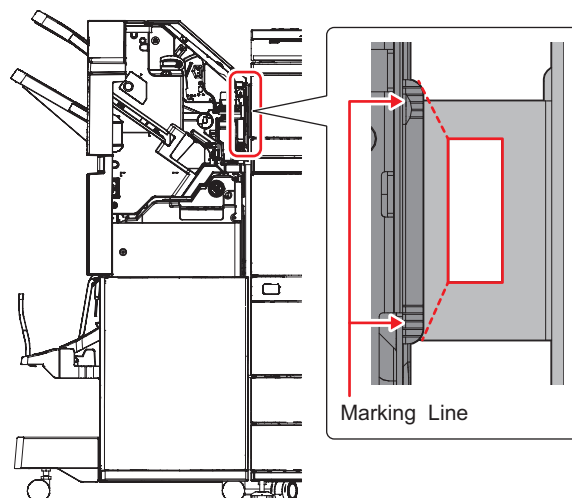
D. Connection of the finisher to the main unit

- 1) Fit the pin of the connection guide plate into the positioning hole of the finisher.



E. Check of the height of the main unit and the finisher

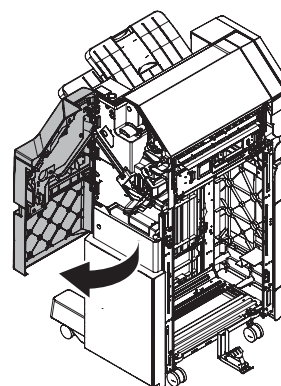
- 1) Check that the hole on the protrusion of the connection guide plate is located between the marking lines of the protrusion of the finisher.



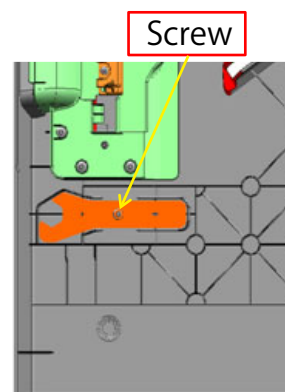
*If the hole is not located between the marking lines, perform the height/skew adjustment.

F. Height/skew adjustment

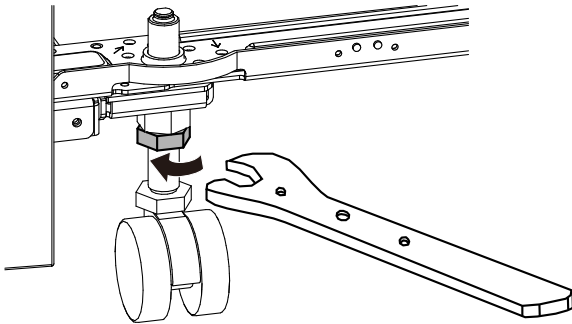
- 1) Open the front cover.



- 2) Unscrew the screw (x1) and remove the wrench.



- 3) Turn the fixing nut of the caster in the direction of the arrow as shown with the wrench, and then loosen it.

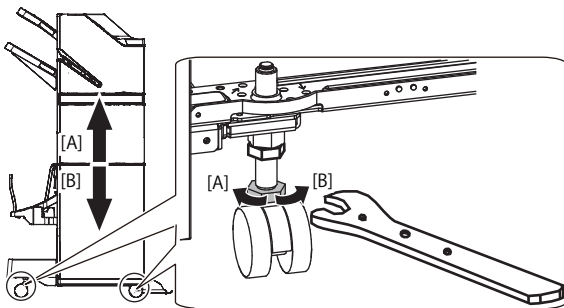


- 4) When adjusting the height, make adjustment at 4casters shown in the picture.

Adjust the height of the adjusting nut of the caster by turning it in the direction of the arrow as shown. (When turning the adjusting nut 360-degree, the height of the finisher changes about 1.75mm.)

*For heightening the finisher: Turn the nut in [A] direction.

*For lowering the finisher: Turn the nut in [B] direction.

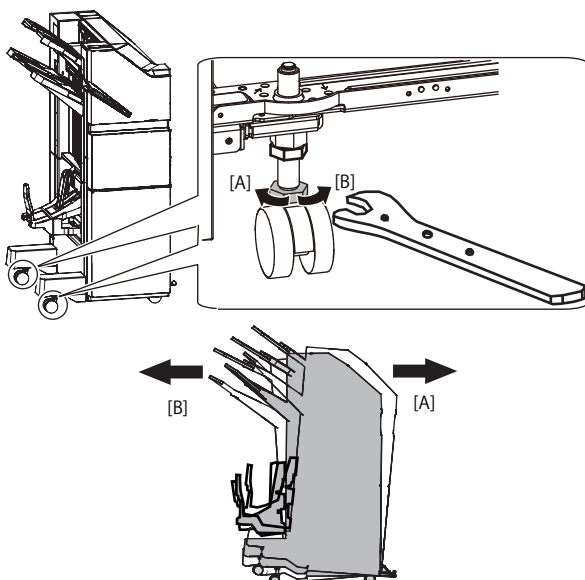


- 5) When adjusting the skew, make adjustment at 2casters shown in the picture.

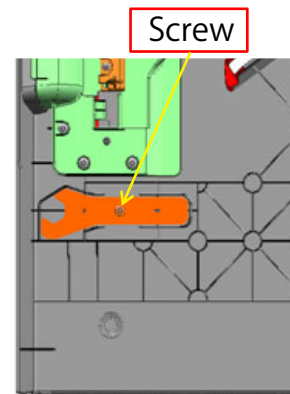
Adjust the skew of the adjusting nut of the caster by turning it in the direction of the arrows as shown.

*For skewing the finisher to the right side: Turn the nut in [A] direction.

*For skewing the finisher to the left side: Turn the nut in [B] direction.



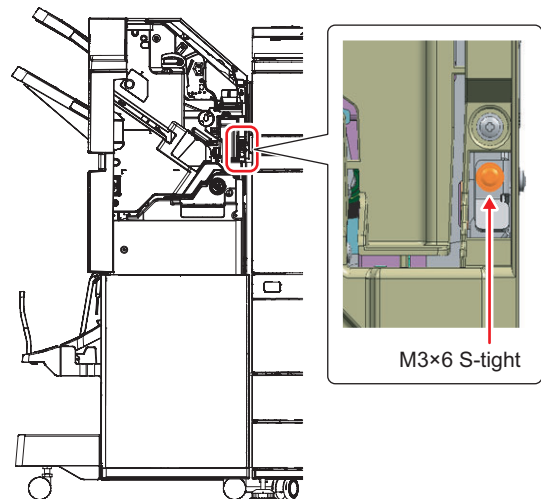
- 6) After the adjustment, return the wrench to the original position.



G. Fixation of the lock slide plate

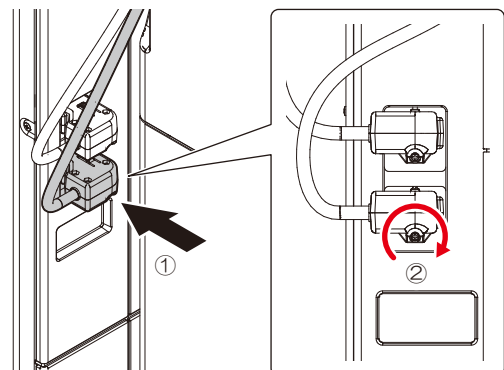
- 1) Fix the lock slide plate with the screw (x1) (Packed item No.6 M3x6 S Tight).

Close the front cover of the finisher.



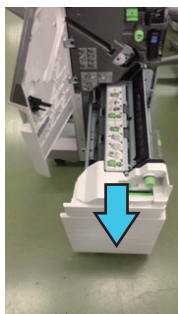
H. Connection of the harness

- 1) Attach the connector of the finisher and fix it with the screw.

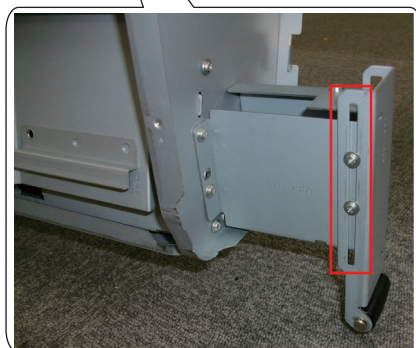
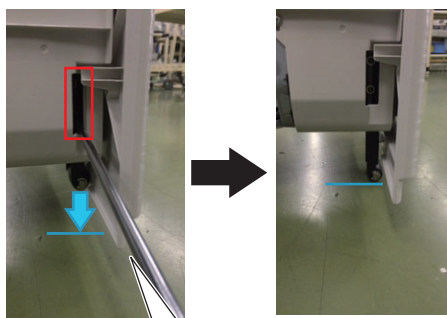


I. Adjust caster of saddle unit

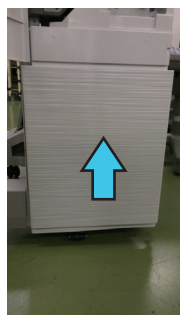
- 1) Pull out the saddle unit.



- 2) There is a square window in the lower part of the stacking tray side (left side), and loosen the two screws in it. Place the caster on the floor and tighten the screw again in the grounded state.

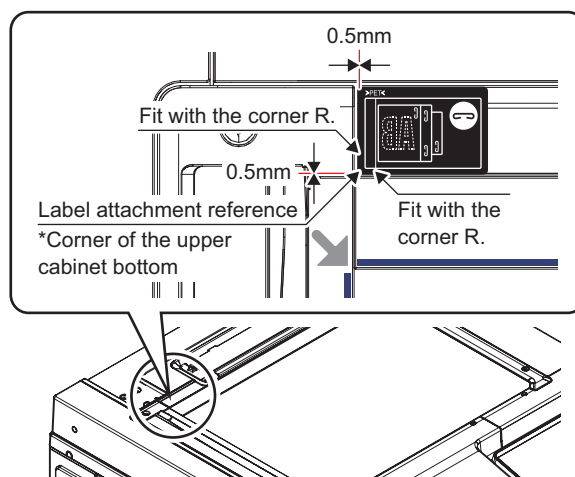


- 3) Return the saddle unit.

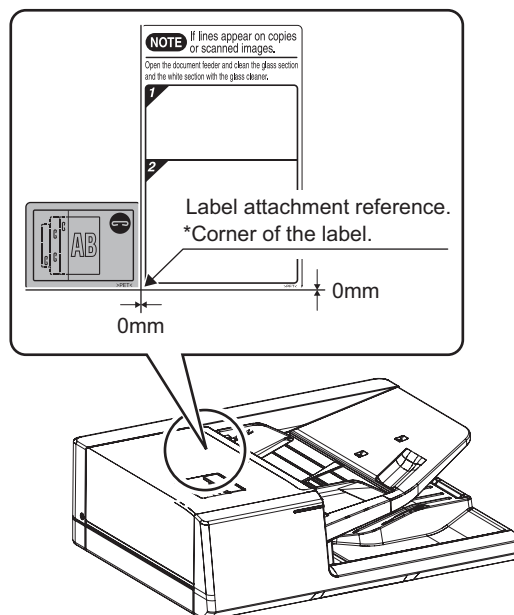


J. Placing of the staple position label

- 1) Place the staple position label (for scanner)



- 2) Place the staple position label (for DSPF)

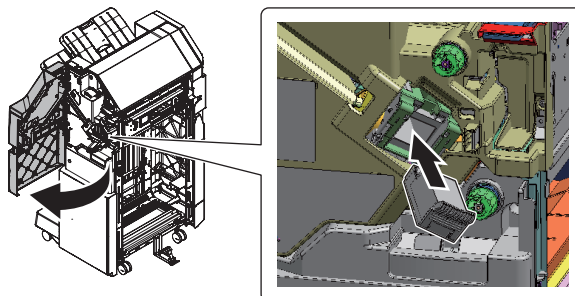


K. Power-ON of the main unit

- 1) Insert the power plug into the socket, and turn ON the main power switch and the power switch of the operation panel.

L. Installation of the stapler unit staple case

- 1) Open the front cover. Install the stapler unit staple case (Packed item No.4) into the stapler unit.

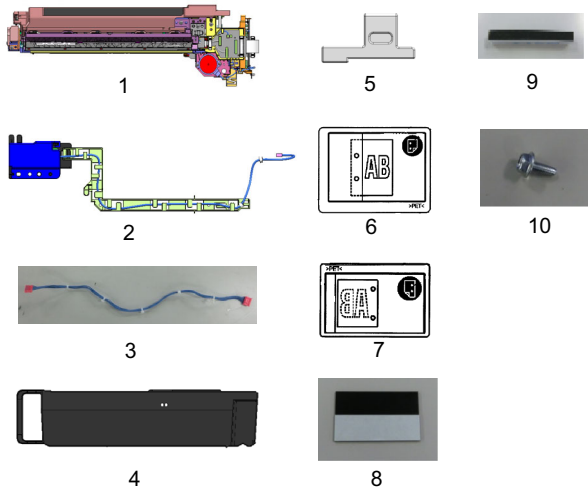


NOTE: The staple unit cannot be fixed if the power is OFF. When installing the stapler unit staple case, insert it while holding it so that the stapler unit cannot go deep inside.

[11] MX-PN16B/C/D (PUNCH MODULE)

1. Unpacking

A. Packed items check



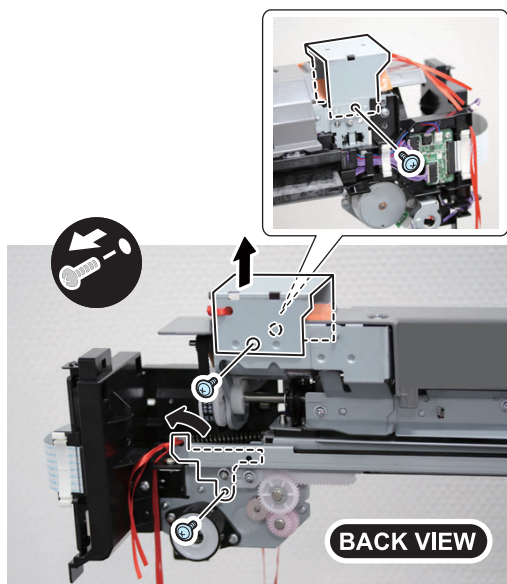
No.	Name	Quantity
1	Punch unit	1
2	Punch waste full sensor unit	1
3	Harness	1
4	Punch waste Tray	1
5	Positioning guide	1
6 *	Punch position label (for RSPF)	1
7 *	Punch position label (for scanner)	1
8	Punch cushion A (Resin board)	1
9	Punch cushion B (PORON- Sponge)	1
10	Screw (S tight screw, M3x8)	1

*: Not use for this installation.

Instead, use labels No. 11 and No. 12 packed in the finisher (MX-FN34/35).

B. Packed items check

- 1) Open the outer box and remove the punch unit and packed items.
- 2) Remove all the cushioning materials and tapes from the punch unit.
- 3) Remove 3 screws to remove 2pcs of attaching material.



NOTE: Save the 3 screws removed for installation of the punch unit.

2. Installation

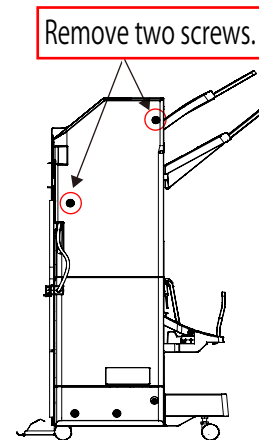
NOTE: Be sure to install the punch unit before installing the finisher to the main unit. In case of installing the punch unit afterward, remove the finisher from the main unit once.

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet.

Make sure that the data lamp on the operation panel does not light up or blink prior to the installation.

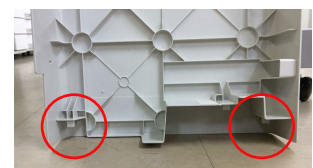
A. Removal of rear cabinet and top cover

- 1) Remove filament tapes from the packing materials.
- 2) When the finisher is connected to the main unit, disconnect the interface cable and remove the finisher.
- 3) Remove two screws fastened to rear cabinet of the finisher.

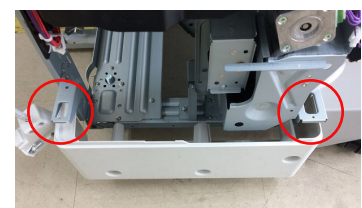


- 4) Incline upper part of the rear cabinet and remove the rear cabinet while lifting the pawls of the rear cabinet.

Position of the pawls of the rear cabinet and insertion slot on the finisher unit

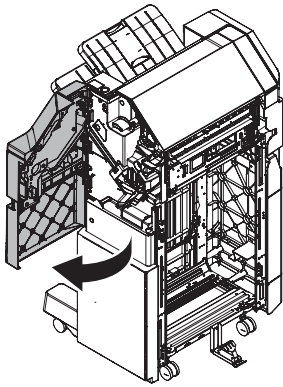


Rear cabinet

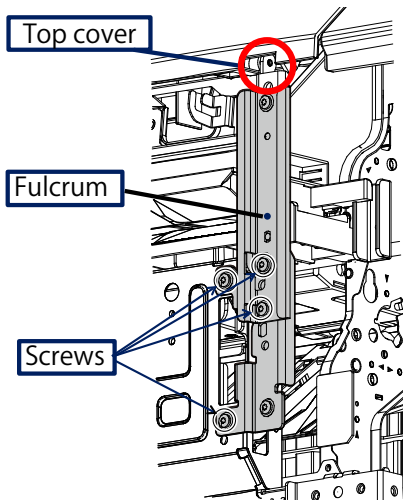


Finisher unit

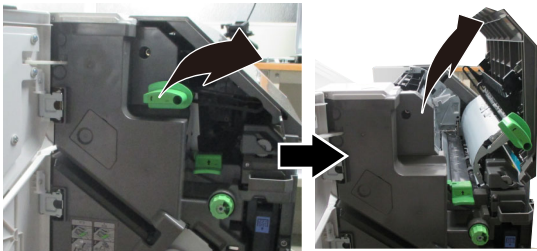
- 5) Open front cabinet of the finisher.



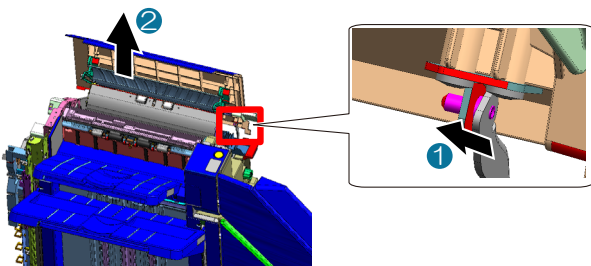
- 6) Remove 4 screws to remove a fulcrum for top cover.



- 7) Incline a lever to the right and open top cover.

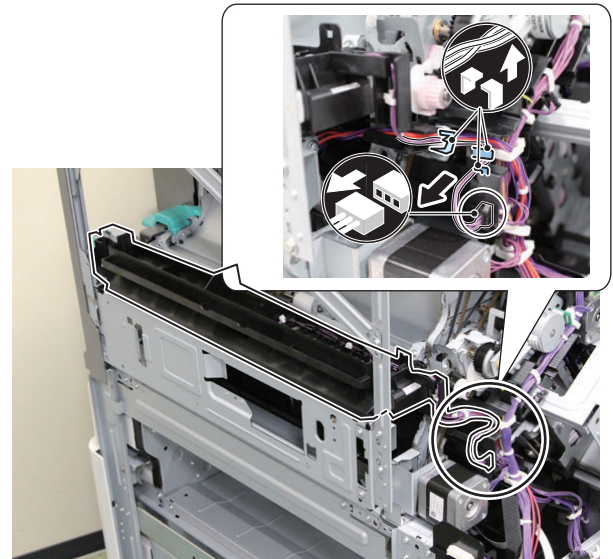


- 8) Slide the top cover toward the direction of an arrow 1 and remove the top cover toward the direction of an arrow 2.

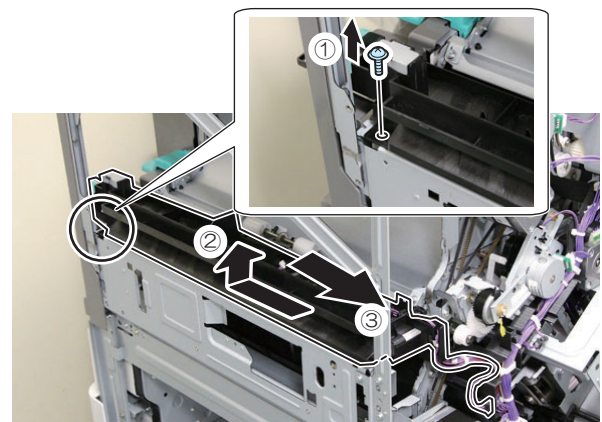


B. Removal of dummy unit

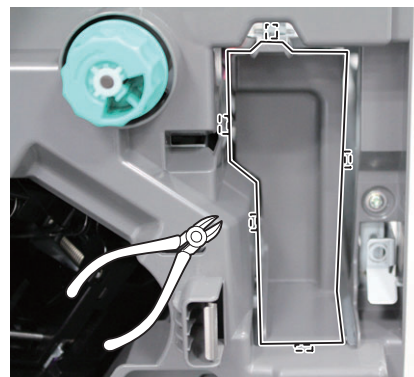
- 1) Disconnect the connector on rear side.



- 2) Remove a screw, slide toward front and uplift the guide. The hook will be removed; remove the guide from rear side.

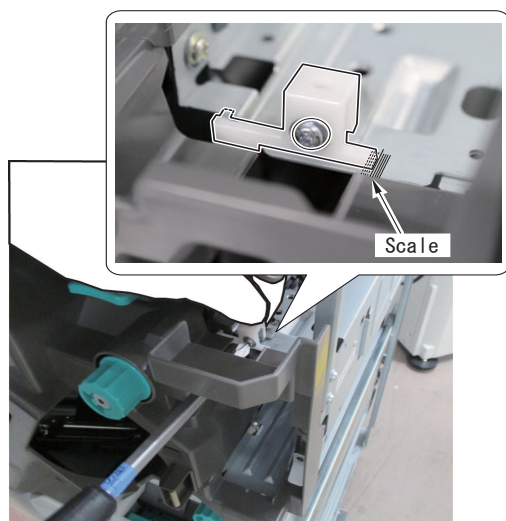


- 3) Cut 5 sections of insertion slot for punch waste tray using a nipper and remove.



C. Attachment of positioning guide (Packed item No. 5)

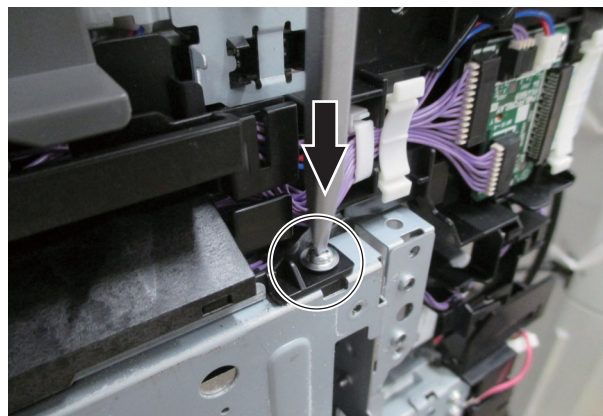
- 1) Attach right edge of positioning guide in reference to the center of the scale. Use a screw (M3x6) removed in the step 3) in "Unpacking".



- 3) Make sure there is no space between base of the punch unit and a frame.

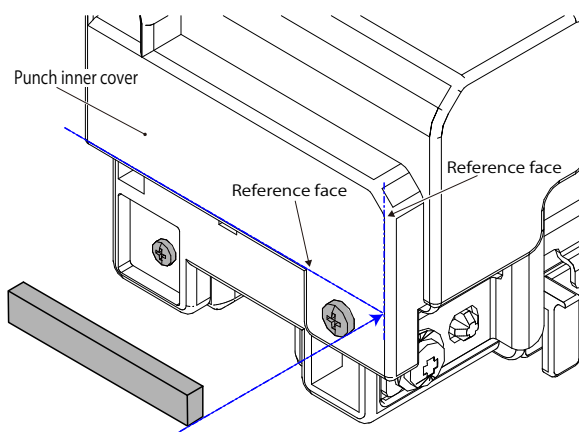


- 4) Fix the punch unit with a screw. Use a screw (M3x6) removed in the step 3) in "Unpacking".

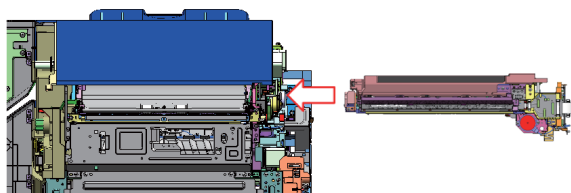


D. Installation of punch unit (Packed item No. 1)

- 1) Attach Punch cushion B (Packed item No. 9) along the reference face on Punch inner cover for Punch unit.

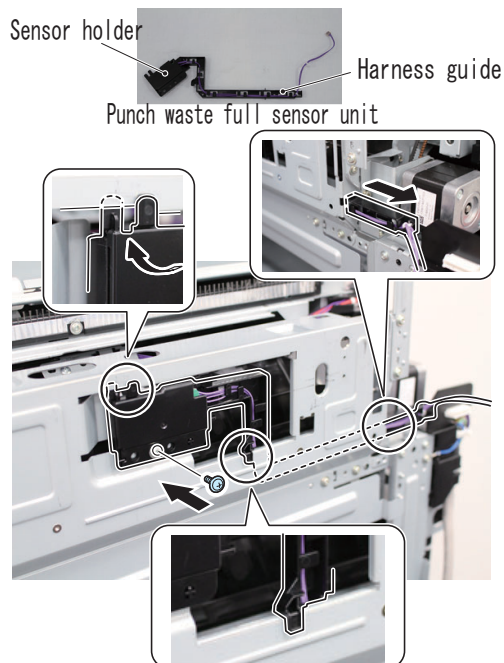


- 2) Install the punch unit from rear side of the finisher by letting it through under the top cover.

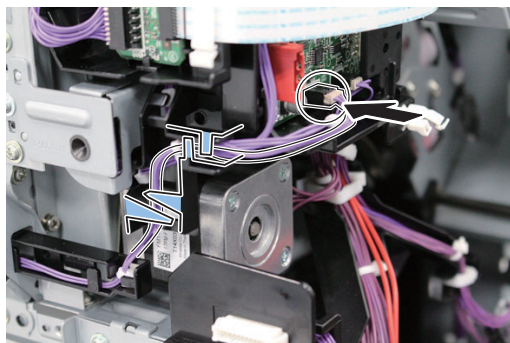


E. Attachment of punch waste full sensor unit (Packed item No. 2)

- 1) Remove filament tapes from the packing materials.

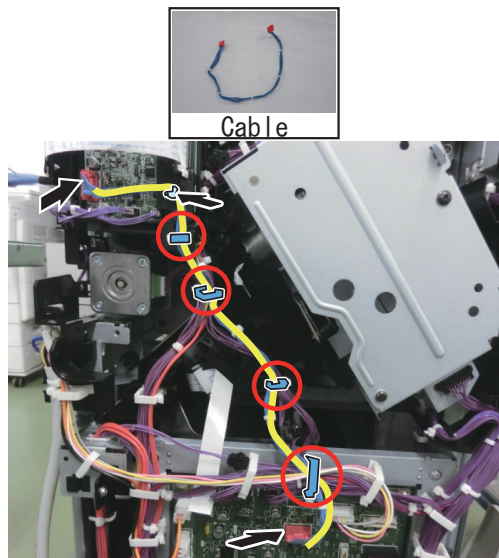


- 2) Connect the connector on punch waste full sensor unit to the punch unit.



F. Wiring and connecting a cable (Packed item No. 3)

- 1) Wire the cable as shown in the photo below.

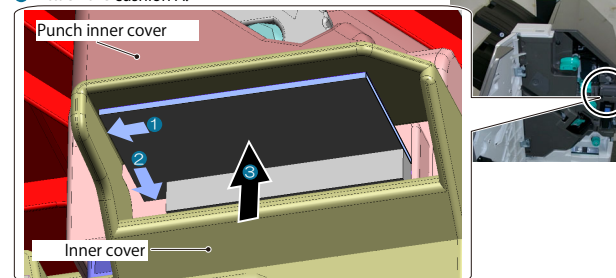


G. Attachment of Punch cushion A (Packed item No. 8)

- 1) Attach the Punch cushion A to the inner cover along the reference face.

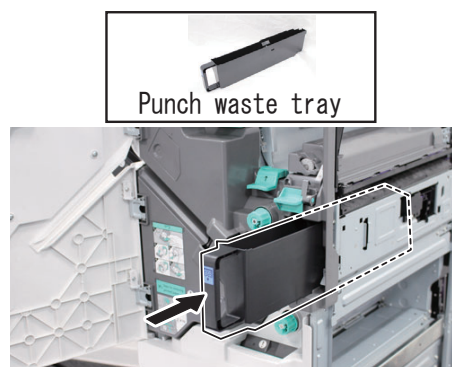
Reference face:

- 1 Touch inner cover with left side surface of Punch cushion A.
- 2 Touch Punch inner cover with back side of Punch cushion A.
- 3 Attach the cushion A.



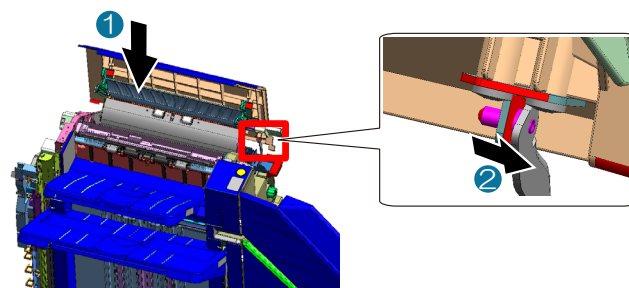
H. Installation of punch waste tray (Packed item No. 4)

- 1) Install the punch waste tray as shown in the photo below.

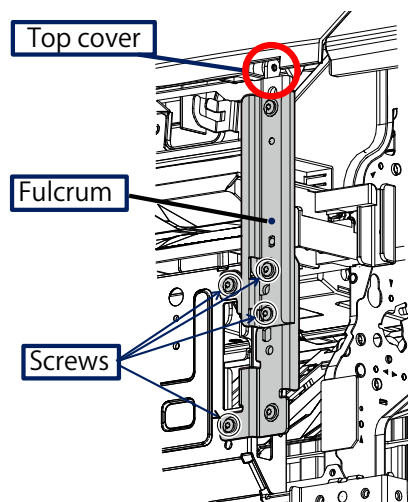


I. Attachment of top cover and rear cabinet

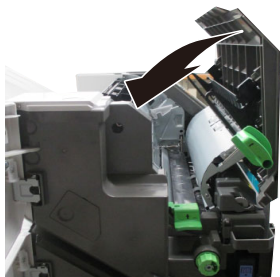
- 1) Attach the top cover by moving toward the direction of an arrow 1. Then slide the top cover in the direction of an arrow 2.



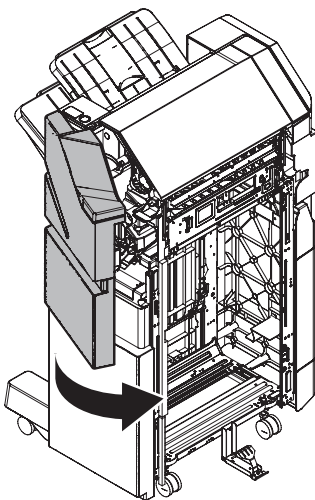
- 2) Attach the fulcrum for top cover again using 4 screws.



- 3) Close the top cover.

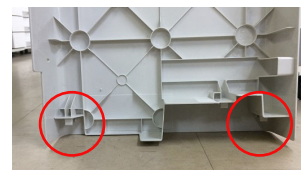


- 4) Close the front cabinet of the finisher.

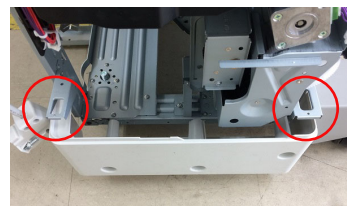


- 5) Incline upper part of the rear cabinet, hook the pawls of the rear cabinet to the main unit and attach the rear cabinet.

Position of the pawls of the rear cabinet and insertion slot on the finisher unit

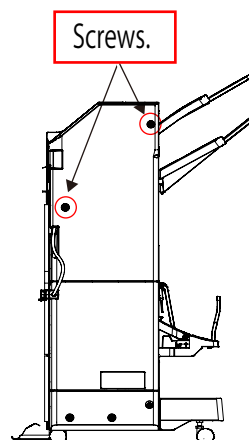


Rear cabinet



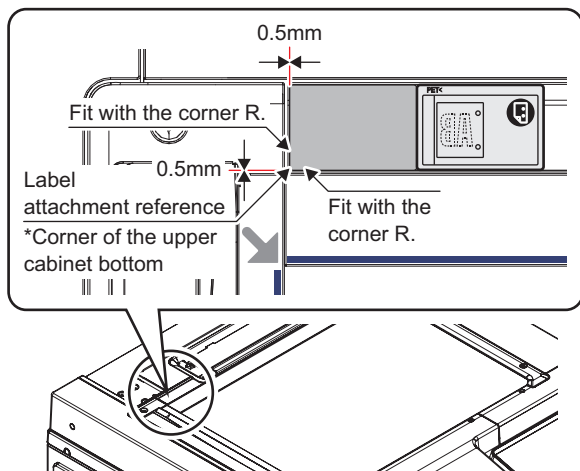
Finisher unit

- 6) Fasten 2 screws to rear cabinet of the finisher.

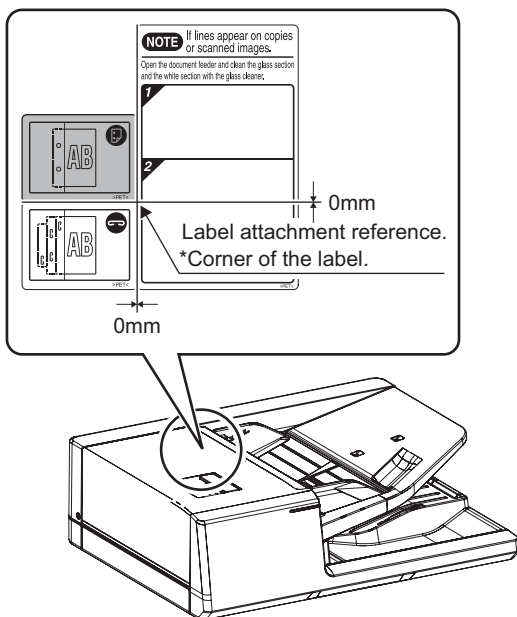


J. Labelling

- 1) Put a punch position label (MX-FN34/35 packed item No.11) (for scanner).



- 2) Put a punch position label (MX-FN34/35 packed item No.12) (for DSPF).



K. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

[12] MX-RB27 (CURL CORRECTION UNIT)

1. Unpacking

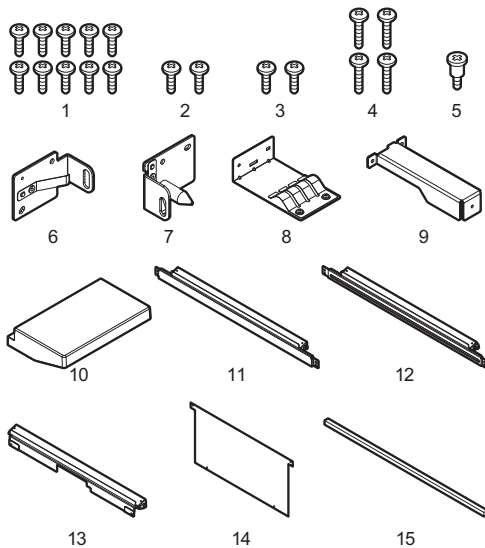
A. Decurler unit removal

NOTE: When moving the unit, use manpower of two or more persons.

B. Fixing tape and protection material removal

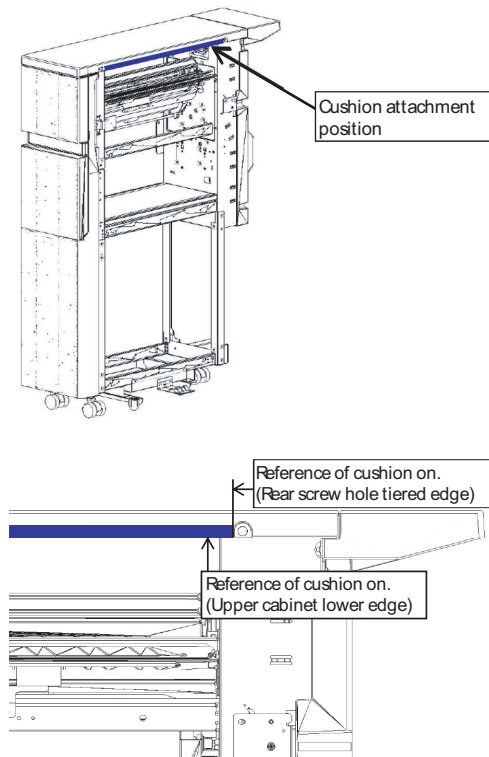
1) Remove fixing tape and fixing bracket from the decurler unit.

C. Packed items check



No.	Name	Quantity	Rear				
			MX-CF11 + MX-FD10	MX-CF11 + MX-RB13	MX-FD10	MX-FN21	MX-FN22
1	Screw (M3 x 6 RS tight)	10	10	10	4	4	6
2	Screw (M4 x 8 RS tight)	2	---	---	2	2	2
3	Screw (M4 x 7 Round top)	2	2	2	2	2	2
4	Screw (M4 x 12 Bind)	4	4	4	4	4	4
5	M4 step screw	2	2	2	2	2	2
6	Connection plate F	1	1	1	1	1	1
7	Connection plate R	1	1	1	1	1	1
8	Earth bracket	1	1	---	1	1	1
9	Shunt cable connection plate	1	---	---	1	1	1
10	Rear upper cover	1	1	1	1	1	1
11	Paper guide A	1	---	1	1	1	1
12	Paper guide B	1	1	---	---	---	---
13	Paper guide C	1	1	1	---	---	---
14	Protection sheet	1	1	1	---	---	1
15	Top surface cushion	1	1	1	1	1	1

D. Cushion attachment



2. Installation

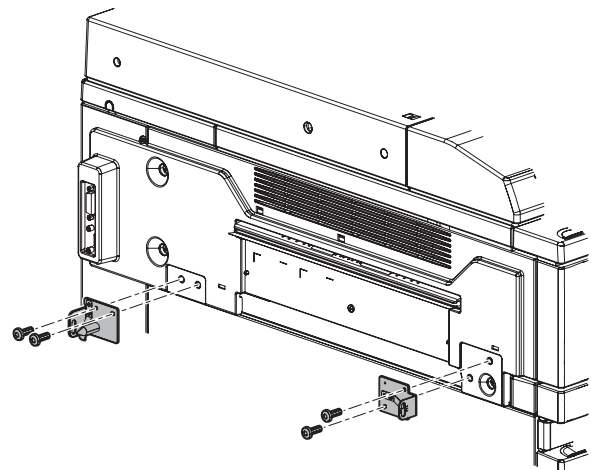
NOTE: Installation must be executed in the sequence of the complex machine body, the paper feed option, and the paper exit option.

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

NOTE: To prevent against falling during installation, extend the stand rail.

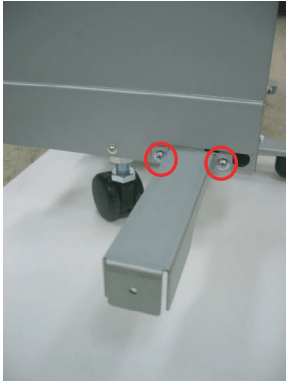
A. Connection plates F/R attachment

1) Attach the connection plates F/R (Packed items No.6, 7) and fix them with the screws (Packed items No.4).



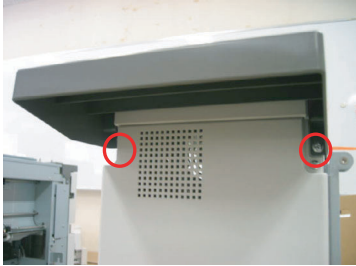
B. Shunt cable connection plate installation (Back of the decurler unit)

- 1) Fix the shunt cable connection plate (Packed items No.9) with the screws (Packed items No.2).



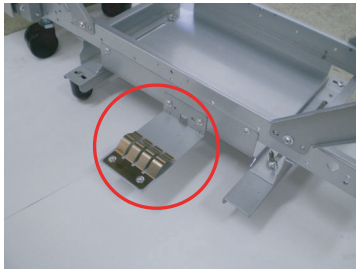
C. Rear upper cover installation

- 1) Attach the rear upper cover (Packed items No.10) and fix it with the screw (Packed items No.3).

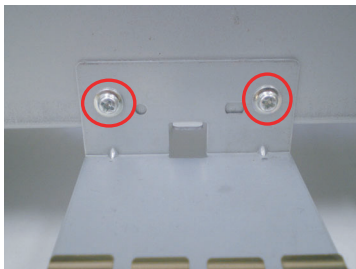


D. Earth bracket installation

- 1) Fix the earth bracket (Packed items No.8) with the screws (Packed items No.1).



NOTE: Use the outside screw holes for fixing.



E. Install to main unit

- 1) Return the stand rail to the original position.
- 2) Connect the unit to the machine.
Insert the pin in the machine side into the hole in the R side of the unit.



F. Height and tilt adjustment

NOTE: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased.

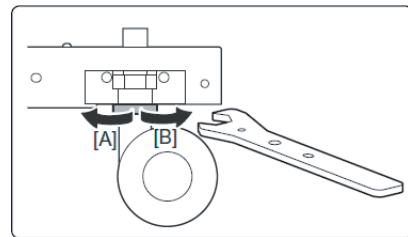
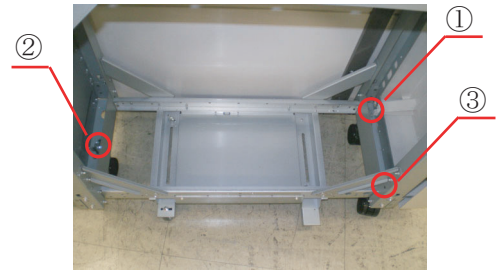
NOTE: For the height and tilt adjustment, use the three adjuster bolts under the unit.

Turn the adjustment nuts of the casters with a wrench in the arrow direction to adjust the height. (When turning the adjustment nut one rotation, the height of the curl correction unit is changed by about 1.75mm.)

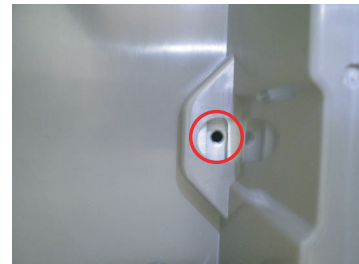
* To increase the curl correction unit height, turn the nut in the direction [A].

* To decrease the curl correction unit height, turn the nut in the direction [B].

NOTE: Use the wrench attached to the finisher.



- 1) Use adjuster bolt (1) to adjust the height so that the center of the hole for the unit fixing screw in the F side is aligned with the center marking-off line.



- 2) Use adjuster bolt (2) to adjust the height so that the center of the hole for the unit fixing screw in the R side is aligned with the center marking-off line.



- 3) Use adjuster bolt (3) so that the clearance between the machine and the unit becomes uniform.

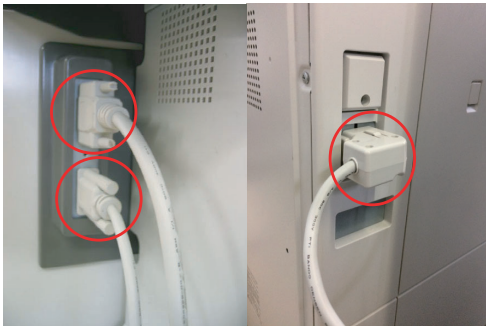
G. Fixing to the machine

- 1) Fix the unit to the machine with the step screws (Packed items).



H. Connection of connector to the main unit

- 1) Connect the three connectors of the unit to the machine, and fix with the screws.



[13] MX-CF11 (INSERTER)

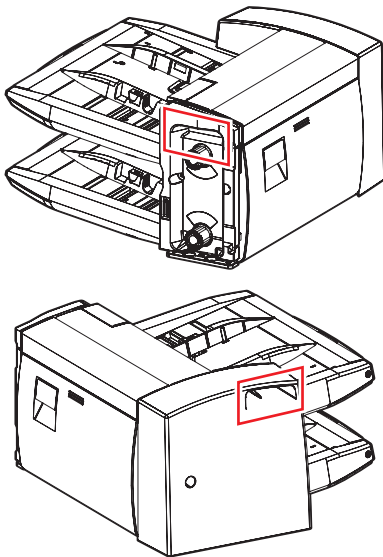
1. Unpacking

A. Inserter unpacking

- 1) Take out the Tray unit and Packed items.

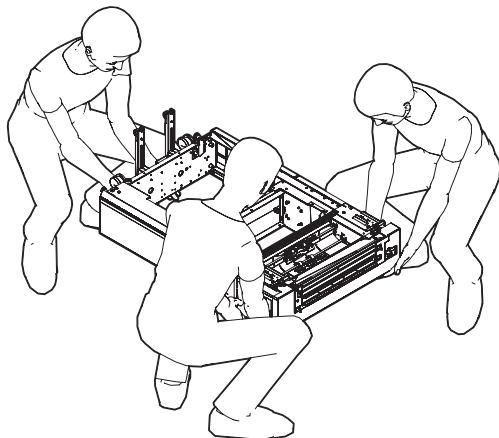


NOTE: Grasp the tray unit by the red frame on the F/R side exterior.



- 2) Take out the inserter.

NOTE: When moving the inserter, use manpower of three or more persons.



B. Fixing tape and protection material removal

- 1) Remove the fixing tape and the protection material from the inserter.

C. Packed items check



No.	Name	Quantity	Front	Rear	
			MX-RB27	MX-RB13	MX-FD10
1	Accessory cover	1	1	1	1
2	Tray unit front cover	1	1	1	1
3	Base cover (Tray unit)	1	1	1	1
4	Connection plate L (Finisher side)	1	---	---	1
5	Connection plate R (Finisher side)	1	---	---	1
6*	Safety plate	2	2	2	---
7	Earth plate	1	1	1	1
8	Connection plate L (Machine side)	1	1	---	---
9	Connection plate R (Machine side)	1	1	---	---
10	Black Mylar	1	1	---	---
11	Height adjustment saucer	4	4	4	4
12	"L" hinge pin (Tray unit front cover)	2	2	2	2
13	Screw (4 x 8L)	1	1	1	1
14	Blue screw (4 x 8L)	4	4	---	---
15	Blue screw (3 x 8L)	1	---	---	---
16	Screw (4 x 12L)	3	3	3	3
17	Screw (4 x 20L)	2	2	2	2
18	Screw (4 x 6L)	6	6	---	---
19	Front surface cushion (Long)	2	2	2	2
20	Front surface cushion (Short)	1	1	1	1
21	Winding bushing 6 x 8L	2	2	2	2
22	Gasket (for Taiwan only)	3	1	2	2

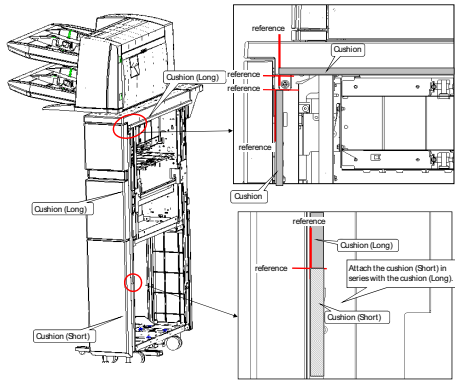
* The quantity of safety plate is running-changed from 2 to 1 after September, 2012 production.

2. Installation

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Attaching the cushion

- 1) Attach the front surface cushion (Long) (Packed items No. 19) and the front surface cushion (Short) (Packed items No. 20) to the reference as shown below.



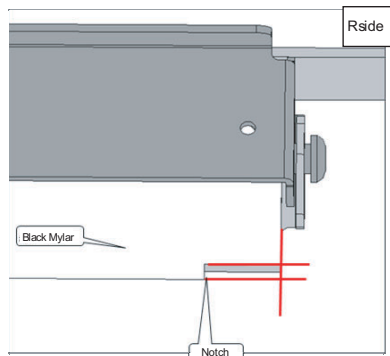
B. Paper guide B (bundled with the decurler unit) installation (When installing the paper folding machine)

- 1) Attach the Black Mylar (Packed items No.10) to the paper guide B. Attach the Black Mylar to the downstream side of the paper guide.



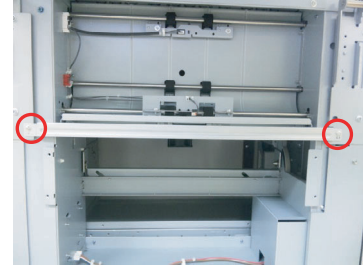
Attachment reference

Attach to the notch in the rear side as the reference.



- 2) Fix the connection plate L/R (Finisher side) (Packed items No.4 and 5) to the paper exit side of the inserter with the screws (Packed items No.18 Screw 4x6L).

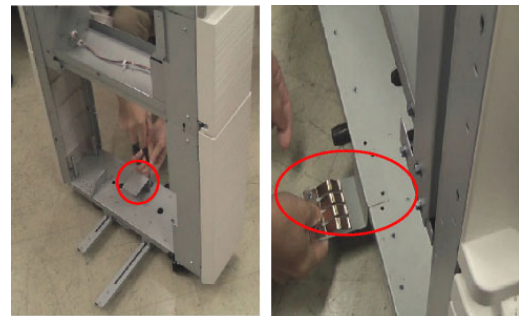
- 3) Install the paper guide B (bundled with the decurler unit No.12) to the paper exit side of the inserter with the screws (bundled with the decurler unit No.1).



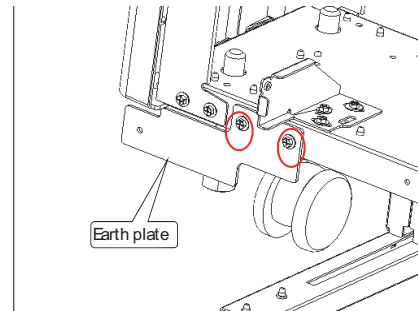
NOTE: When connecting the MX-RB13 to the back, attach the paper guide D (bundled with the relay unit No. 9).

C. Earth plate installation

- 1) Remove the earth plate from the lower section of the inserter and turn the removed earth plate back and attach it as shown in the photo below..

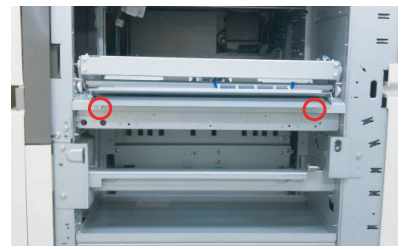


- 2) Attach the earth plate (Packed items No.7), and fix it with the screw (Packed items No.18).



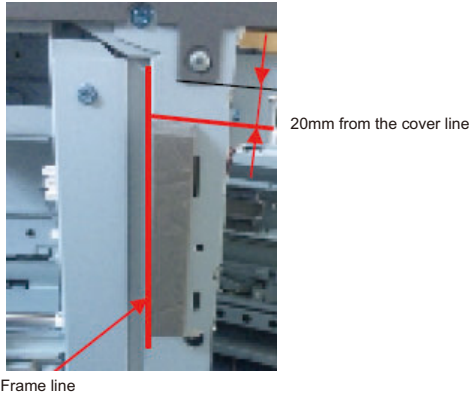
D. Paper guide C (bundled with the decurler unit) installation

- 1) Install the paper guide C (bundled with the decurler unit No.13) to the paper feed side of the inserter with the screws (bundled with the decurler unit No.1).



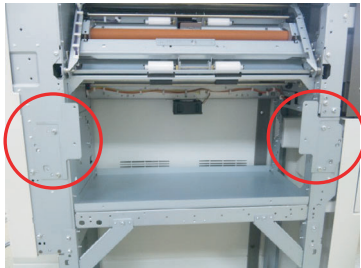
E. Gasket installation (Only for Taiwan)

- 1) Stick a gasket (Packed items No.22) to the paper feed side of the inserter as the following reference.



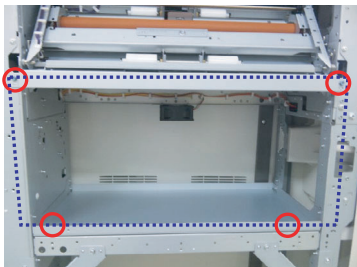
F. Installation of the connection plate and the protection Mylar to the decurler unit

- 1) Remove the decurler unit plates.

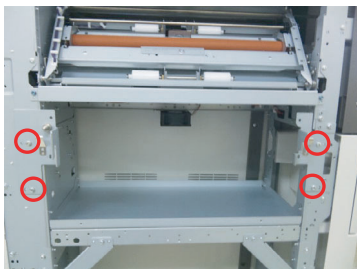


- 2) Attach the protection sheet (bundled with the decurler unit No.14) to the decurler unit with the screw (bundled with the decurler unit No.1).

MEMO: Temporarily attach the protection sheet to the decurler unit with the duplex tape (back of the protection sheet), then fix it with the screw.



- 3) Attach the connection plate F/R (Packed items No.8, 9) to the decurler unit with the screws (Packed items No.18 Screw 4x6L).



G. Connection with the decurler unit

- 1) Open the inserter front upper cover, remove the screw, and pull the lock lever toward you.



- 2) Connect the inserter to the decurler unit. Insert the pin in the decurler unit side into the unit hole.

Photo viewed from the R side



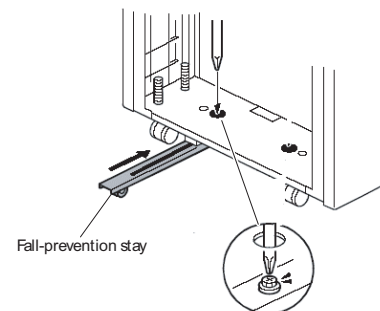
- 3) Push up the lock lever to lock the unit and the decurler unit. Use the removed screw to fix the lock lever.

MEMO: If they cannot be locked, follow the installing procedures (height adjustment) of the complex machine and options to adjust the height.



H. Fall-prevention stay storing

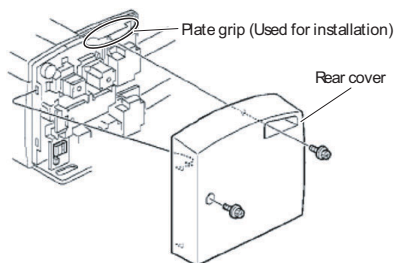
- 1) Loosen the screw of the fall-prevention stay, and store the stay.



I. Tray unit installation

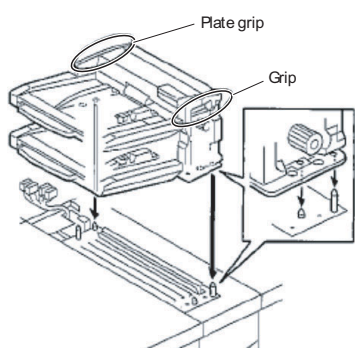
For installation of the tray unit, use manpower of two or more persons.

- 1) Remove the rear cover of the tray unit.

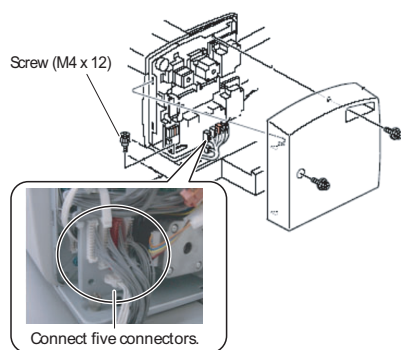


- 2) Hold the grip of the unit to install it to the inserter.

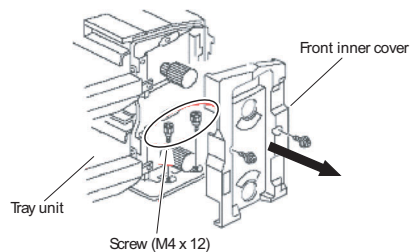
NOTE: When the tray unit is inserted, the machine becomes unstable. In order to prevent against falling, therefore, connect the after-process mechanism (the finisher, etc.) the fall-prevention to the left side of the inserter and put the tray unit on it.



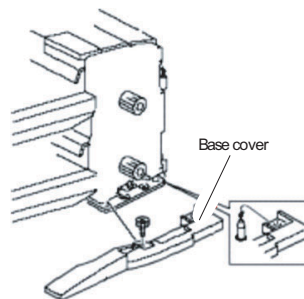
- 3) Attach the screw (Packed items No. 16) .
- 4) Connect five connectors.



- 5) Remove the front inner cover. (2 screws)
- 6) Fix the tray unit. (2 screws (Packed items No. 16))



- 7) Attach the base cover. (1 screw (Packed items No. 3))

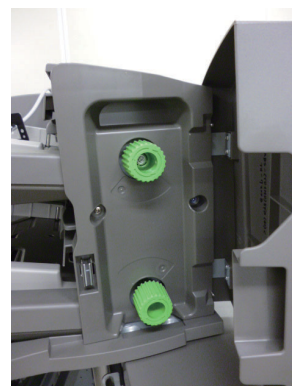


- 8) Attach the front door to the front inner cover, and attach the L-hinge pins (Packed items No. 12).

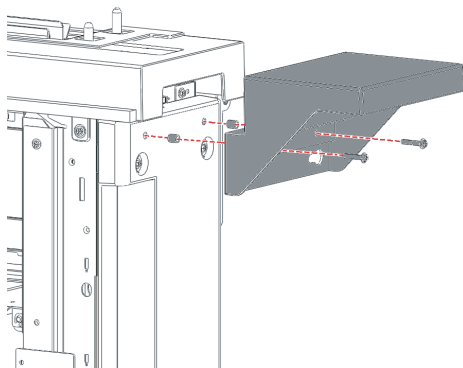
MEMO: Insert the L-hinge pin in the lower section into the back of the Black Mylar.



- 9) Attach the front inner cover to the tray unit. (2 screws)

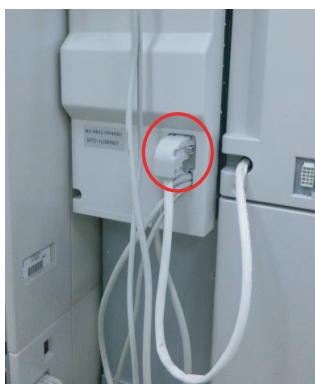


- 10) Attach the accessory cover (Packed items No. 1) with the screw (Packed items No. 17) and the winding bushing (Packed items No. 21).



J. Cable connection

- 1) Connect the connector to the decurler unit.



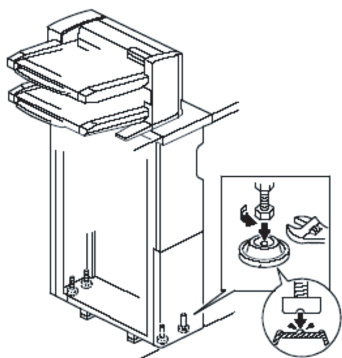
K. Height and tilt adjustment

MEMO: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased.

MEMO: The specification of the height and the tilt adjustment are as follows.

Height: The difference of level between top surface of the adjacent device is within $\pm 2\text{mm}$.

Tilt: The difference of clearance between upper and lower part of the adjacent device is within $\pm 2\text{mm}$.



- 1) Place an adjustment dish under every adjuster bolt, and screw the bolt. (4 positions)
- 2) Turn the adjuster bolts (1) and (2) in the above figure, and adjust the height.
- 3) Turn the adjuster bolts (3) and (4) in the above figure, and adjust the tilt.

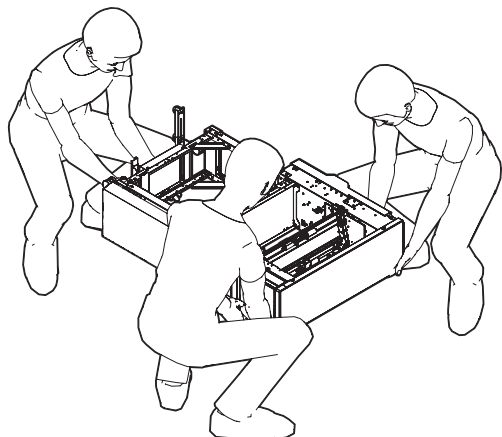
[14] MX-RB13 (RELAY UNIT)

1. Unpacking

A. Relay unit unpacking

- 1) Take out the relay unit.

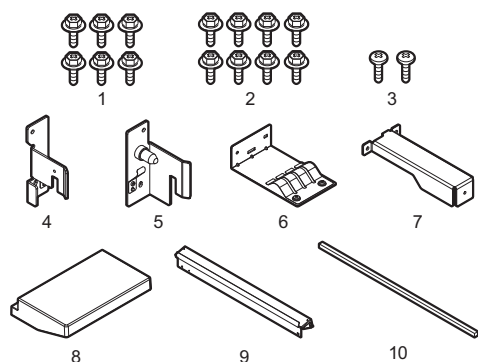
NOTE: When moving the relay unit, use manpower of three or more persons.



B. Fixing tape and protection material removal

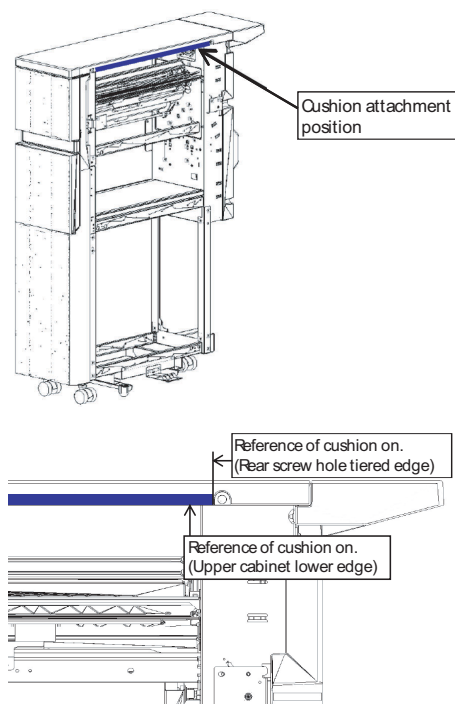
- 1) Remove the fixing tape and fixing bracket from the relay unit.

C. Packed items check



No.	Name	Quantity
1	Screw (M3 x 6 RS tight)	6
2	Screw (M4 x 8 RS tight)	8
3	Screw (M4 x 7 Round top)	2
4	Latch receiver F	1
5	Latch receiver R	1
6	Earth bracket	1
7	Shunt cable connection plate	1
8	Rear upper cover	1
9	Paper guide D	1
10	Top surface cushion	1

D. Cushion attachment



2. Installation

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

NOTE: To prevent against falling during installation, extend the stand rail.

A. Shunt cable connection plate installation (Back of the relay unit)

- 1) Fix the shunt cable connection plate (Packed items No.7) with the screws (Packed items No.2).



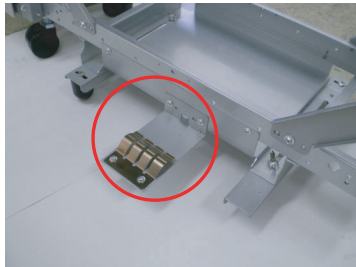
B. Rear upper cover installation

- 1) Attach the rear upper cover (Packed items No.8) and fix it with the screw (Packed items No.3).

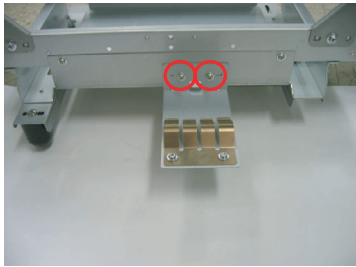


C. Earth bracket installation

- 1) Fix the earth bracket (Packed items No.6) with the screws (Packed items No.1).

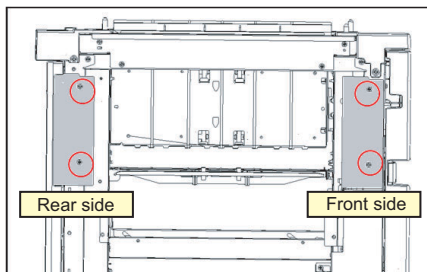


NOTE: Install the screws to the screw holes inside.



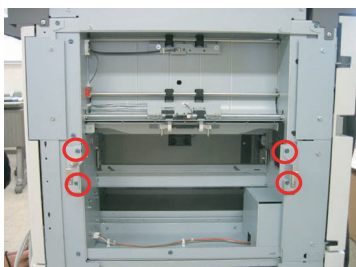
D. Connection plate installation

- 1) Attach the safety plate (bundled with the inserter No.6) with the screw (bundled with the inserter No.18).



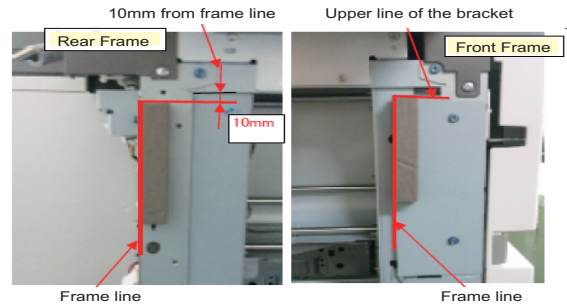
* The safety plate of rear side is disused by running-change after September, 2012 production of inserter unit.

- 2) Fix the latch receivers F/R (Packed items No.4, 5) to the inserter with the screws (Packed items No.2).



E. Gasket installation (Only for Taiwan)

- 1) Stick a gasket (Bundled with the inserter unit No.22) to the paper exit side of the inserter as the following reference.



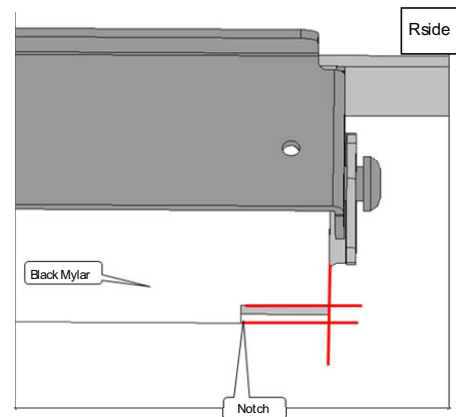
F. Paper guide D installation

- 1) Attach the Black Mylar (bundled with the inserter No.10) to the paper guide D (Packed items No.9).
Attach the Black Mylar to the downstream side of the paper guide.



Attachment reference

Attach to the notch in the rear side as the reference.



- 2) Fix the paper guide D (Packed items No.9) to the paper feed side of the relay unit with the screws (Packed items No.1).



G. Connection with the inserter

- 1) Open the front cover of the relay unit, remove the screws and pull the lock lever toward you.



- 2) Connect the relay unit to the inserter.
Insert the pin in the inserter side into the hole in the relay unit.

Photo viewed from the R side



- 3) Push up the lock lever to fix the relay unit and the inserter, and use the removed screw to fix the lock lever.

MEMO: If they cannot be locked, follow the installing procedures (height adjustment) of the complex machine and options to adjust the height.



H. Height and tilt adjustment

NOTE: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased.

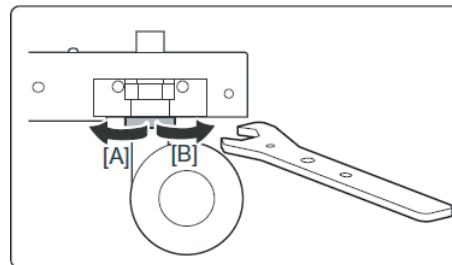
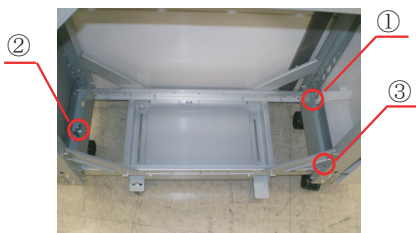
NOTE: For the height and tilt adjustment, use the three adjuster bolts under the unit.

Turn the adjustment nuts of the casters with a wrench in the arrow direction to adjust the height. (When turning the adjustment nut one rotation, the height of the relay unit is changed by about 1.75mm.)

* To increase the relay unit height, turn the nut in the direction [A].

* To decrease the relay unit height, turn the nut in the direction [B].

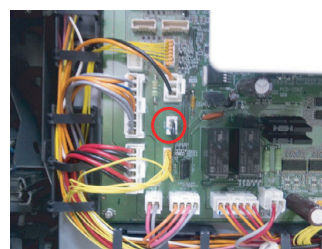
NOTE: Use the wrench attached to the finisher.



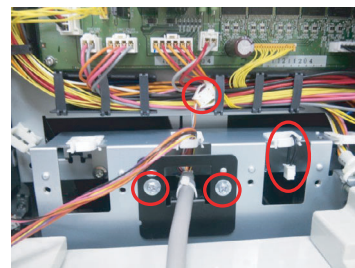
- 1) Adjust the adjuster bolt (1) so that the difference in heights in the front side the relay unit and the connection unit is within $\pm 2\text{mm}$.
- 2) Adjust the adjuster bolt (1) so that the difference in heights in the rear side the relay unit and the connection unit is within $\pm 2\text{mm}$.
- 3) Use adjuster bolt (3) so that the clearance between the machine and the unit becomes uniform.

I. Cables attachment

- 1) Open the cover at the back of the finisher, and disconnect the dummy connector.



- 2) Attach the disconnected dummy connector to the saddle at the right lower side to keep for future use.
Pass the cable from the relay unit to the center saddle and fix with the screw (Packed items No.2) to connect.



- 3) Connect the two cables, and attach the cover.



[15] MX-FD10 (FOLDING UNIT)

1. Unpacking

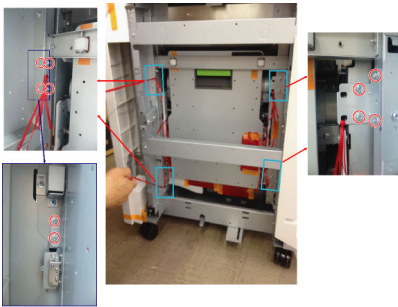
A. Paper folding unit unpacking

NOTE: When moving the paper folding unit, use manpower of four or more persons.

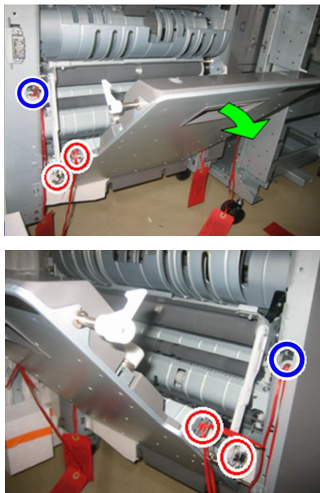


B. Fixing tape and protection material removal

- 1) Remove the fixing tape.
- 2) Remove the L-shape angle brackets for the folding unit.

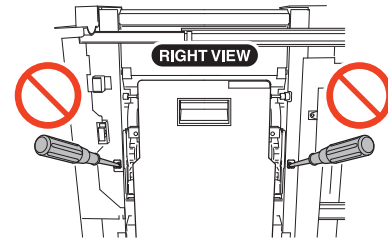


Open the paper guide and remove the fixing angles as the picture below indicates.

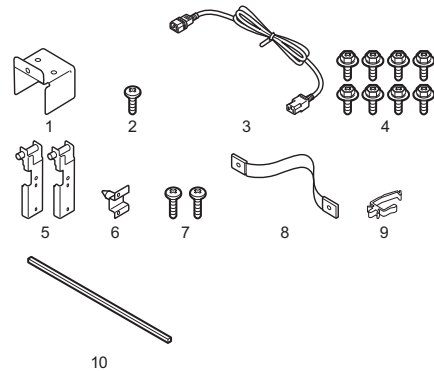


NOTE: Remove the fixing bracket for pressure release (blue circled section, two positions) with opening the paper guide after you open the fixing bracket for pressure release (red circled section, four positions) with opening the paper guide. Since it may drop inside the fixing bracket unit, do not pull forcibly.

NOTE: The two screws (pointed to by screwdrivers) at the front and rear are used to adjust the folding roller pressure. Never loosen these screws.

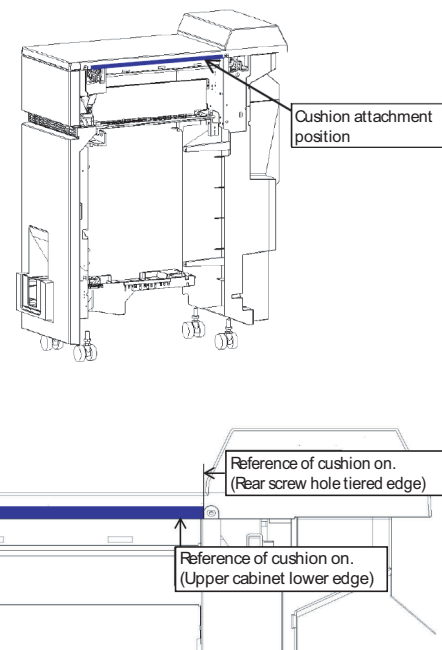


C. Packed items check



No.	Name	Quantity	Front		Rear	
			MX-CF11	MX-RB27	MX-FN21	MX-FN22
1	Plug cover	1	---	---	1	1
2	Screw (Bind, M4 x 7)	1	---	---	1	1
3	Power relay cable	1	1	1	1	1
4	Screw (RS tight, M4 x 8)	8	8	8	---	---
5	Connection plate	2	2	2	---	---
6	Positioning pin	1	1	1	1	1
7	Screw (Bind, M4 x 10)	2	---	---	2	2
8	Shunt cable	1	1	1	1	1
9	Wire saddle	1	1	1	1	1
10	Cushion	1	1	1	1	1

D. Cushion attachment



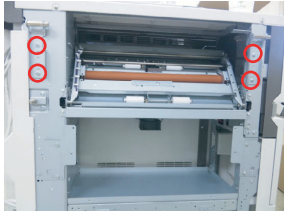
2. Installation

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Connection plates F/R, connection pin, paper guide, protection Mylar (decurler unit only) installation

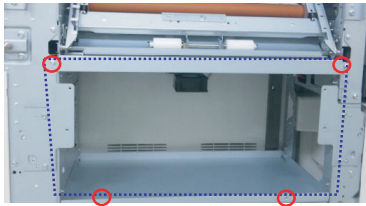
Connection unit: MX-RB27 (Decurler unit)

- 1) Fix the connection plates F/R (Packed items No.5) and the connection pin (Packed items No.6) to the decurler unit with the screws (Packed items No.4).



- 2) Fix the paper guide A (bundled with the decurler unit No.11) and the protection Mylar (bundled with the decurler unit No.14) together to the decurler unit with the screws (bundled with the decurler unit No.1).

MEMO: Temporarily attach the protection sheet to the decurler unit with the duplex tape (back of the protection sheet), then fix it with the screw.

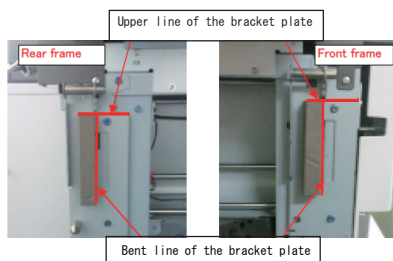


Connection unit: MX-CF11 (Inserter)

- 1) Fix the connection plates F/R (bundled with the inserter No.4, 5) and the connection pin (Packed items No.6) to the inserter with the screws (Packed items No.4).

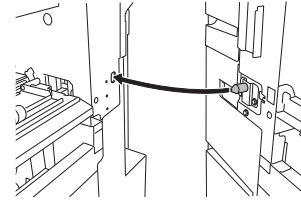


- 2) Stick a gasket (Bundled with the inserter unit No.22) to the paper exit side of the inserter as the following reference. (only for Taiwan)

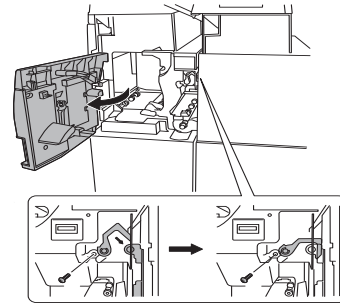


B. Paper folding unit connection

- 1) Connect the unit to the decurler unit.
Insert the pin in the decurler unit side into the hole in the unit.



- 2) Open the front upper cover, remove the screw and put down the lock lever. Tighten the removed screw to fix the lock lever.



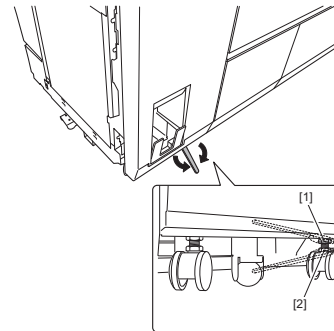
C. Height adjustment

MEMO: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased.

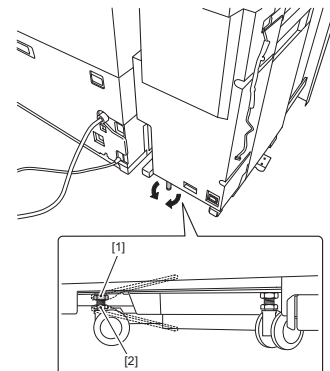
MEMO: The specification of the height adjustment is as follows.

Height: The difference of level between top surface of the adjacent device is within +/-2mm.

- 1) Open the front upper cover, pull out the folder section, and remove the wrench from the front cover of the folder section.
- 2) Turn the adjuster bolt of the caster (connection unit side) on the front side to adjust the height.



- 3) Turn the adjuster bolt of the caster (connection unit side) on the rear side to adjust the height.



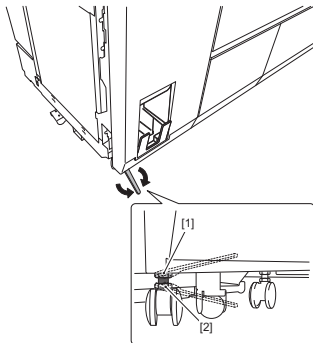
D. Tilt adjustment

MEMO: When the adjuster bolt is turned counterclockwise, the height is decreased. When turned clockwise, the height is increased.

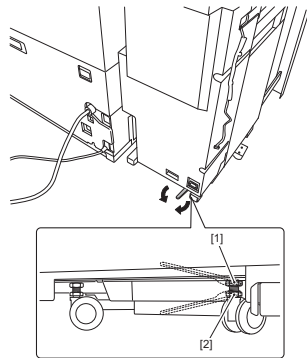
MEMO: The specification of the tilt adjustment is as follows.

Tilt: The difference of clearance between upper and lower part of the adjacent device is within $\pm 2\text{mm}$.

- 1) Turn the adjuster bolt of the caster (paper exit side) on the front side to adjust the height.



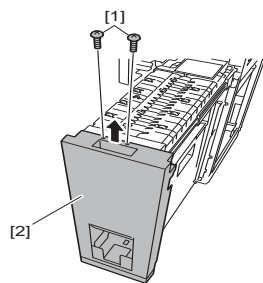
- 2) Turn the adjuster bolt of the caster (paper exit side) on the rear side to adjust the height.



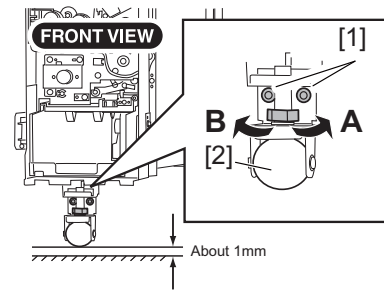
E. Caster height adjustment

When the height of the paper folding unit is adjusted, execute the caster roller height adjustment in the folder section according to the following procedures.

- 1) Open the front upper cover, pull out the folder section, remove the screws, and remove the front cover of the folder section.

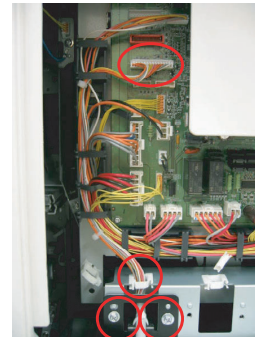


- 2) Return the folder section to the inside of the machine. Loosen the screws, and turn the adjuster bolt to adjust the height so that the clearance between the caster roller and the floor is about 1mm. After completion of the adjustment, tighten the screw to fix.

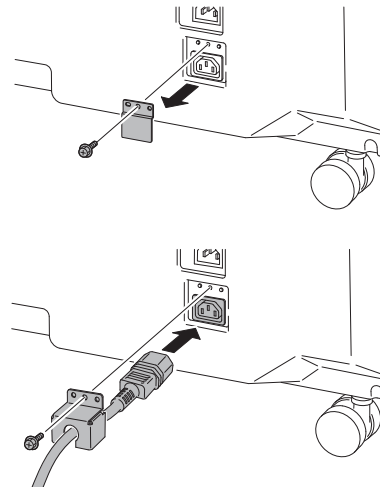


F. Cables attachment

- 1) Connect the communication cables from the folding unit to the finisher. Fix it with the screw (Packed items No.7).

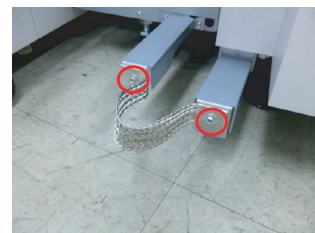


- 2) Remove the inlet cover of the finisher, and connect the power relay cable (Packed items No.3).



G. Earth connection when the MX-CF11 is installed to the right side of the MX-FD10

- 1) Connect the paper folding unit and the connection unit with the shunt cable (Packed items No.8). Use the screw (Packed items No.4).

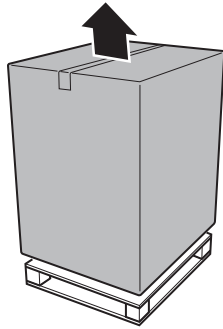


[16] MX-FN21/FN22 (FINISHER/SADDLE STITCH FINISHER)

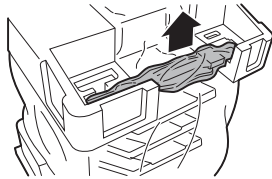
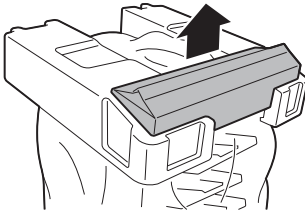
1. Unpacking

A. Removal of the finisher

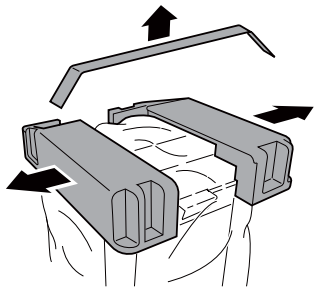
- 1) Remove the fixing material, and remove the top case.



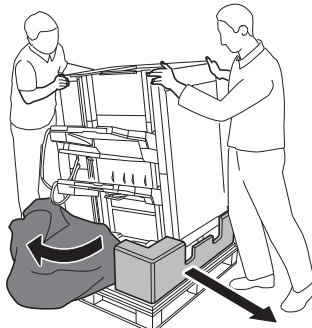
- 2) Remove the bundled items from the top.



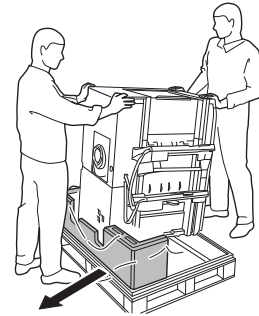
- 3) Remove the packing materials.



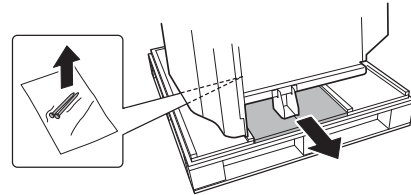
- 4) One person holds the machine not to fall, and the other person tilt the machine a little to remove the packing materials from the lower section. Remove the vinyl cover.



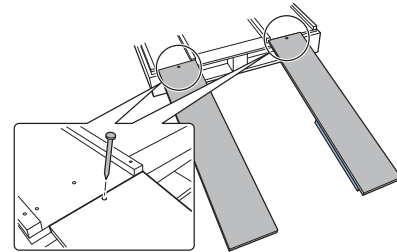
- 5) Put the base of the machine on the floor. (Use enough care not to slip.)
- 6) Tilt the machine slightly to the opposite side, and remove the packing material on the opposite side. Remove the vinyl cover.



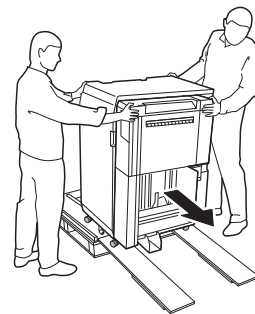
- 7) Put the opposite side base of the machine on the floor.
- 8) Remove the slopes and the fixing pins from the pallet.



- 9) Fix the slopes to the pallet with the fixing pins.

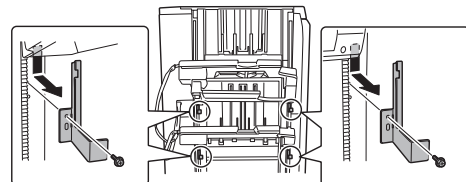


- 10) Move the finisher from the pallet to the floor slowly.



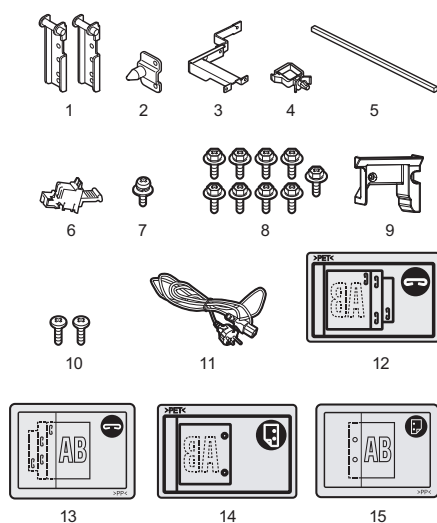
B. Fixing tape and protection material removal

- 1) Remove the fixing tape and the fixing bracket from the finisher.
- 2) Remove the screw, and remove the four fixing members of the lift tray rail section.



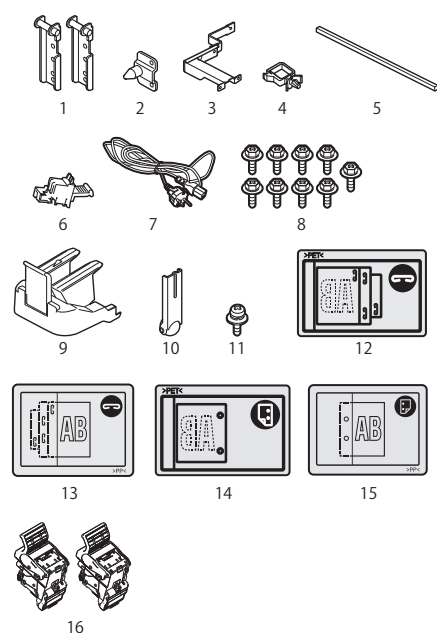
C. Packed items check

MX-FN21



No.	Name	Quantity
1	Latch receiver	2
2	Positioning pin	1
3	Shunt cable unit	1
4	Wire saddle	1
5	Spacer	1
6	Staple unit staple case	1
7	Spring + small bind screw with flat washer (M4)	1
8	Screw (RS tight, M4 x 8)	9
9	Latch cover	1
10	Screw (Bind, M4 x 6)	2
11	Power cord	1
12	Staple position label (For scanner)	1
13	Staple position label (For DSPF)	1
14	Punch position label (For scanner)	1
15	Punch position label (For DSPF)	1

MX-FN22

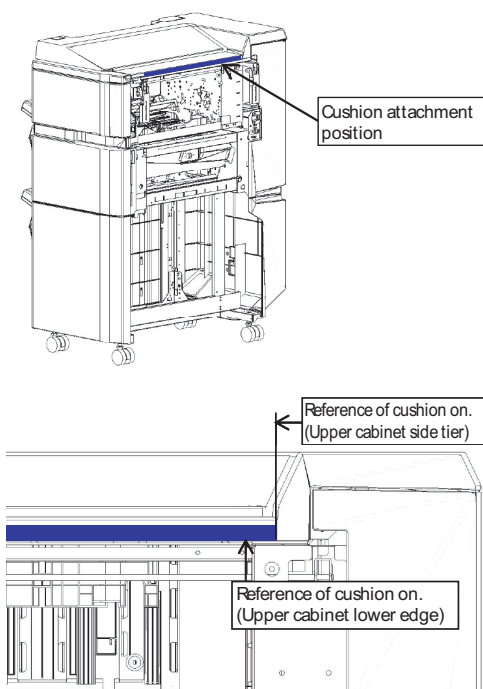


No.	Name	Quantity
1	Latch receiver	2
2	Positioning pin	1
3	Shunt cable unit	1
4	Wire saddle	1
5	Spacer	1

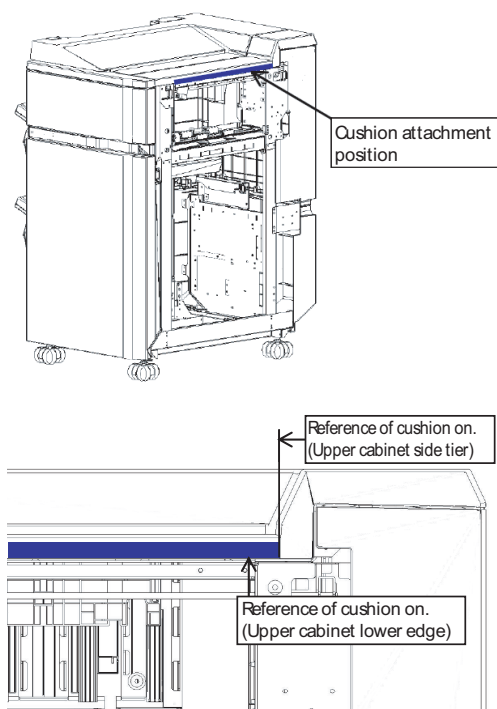
No.	Name	Quantity
6	Staple unit staple case	1
7	Power cord	1
8	Screw (RS tight, M4 x 8)	9
9	Bookbinding tray	1
10	Saddle stitcher unit accessory caster	1
11	Screw (with spring washer)	2
12	Staple position label (For scanner)	1
13	Staple position label (For DSPF)	1
14	Punch position label (For scanner)	1
15	Punch position label (For DSPF)	1
16	Saddle staple unit staple case	2

D. Cushion attachment

MX-FN21



MX-FN22



2. Installation

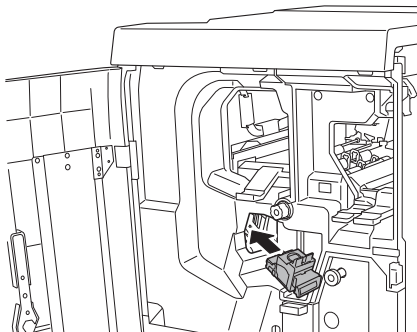
NOTE: Check the firmware version.

If the firmware version is old, update the firmware.

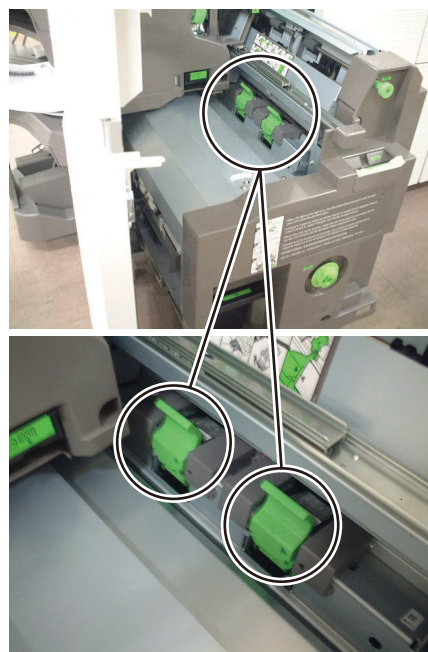
NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Staple unit stale case installation

- 1) Open the front cover of the finisher. Insert the staple unit staple case into the staple unit until it clicks.



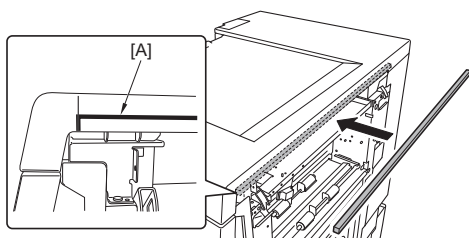
- 2) Insert the saddle staple unit staple case into the saddle unit until it clicks.



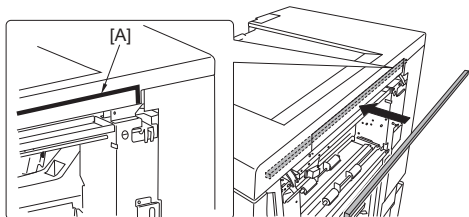
B. Spacer attachment

- 1) Attach the spacer to the inside of [A] at the groove in the right side of the upper cover of the finisher. Since the groove is shorter than the spacer, put the spacer in parallel with the top line where there is no groove.

When the groove is in the front side:

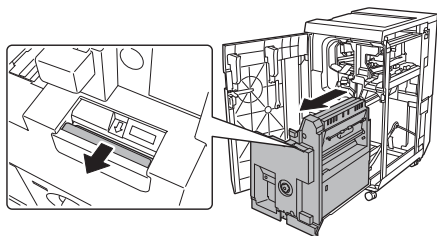


When the groove is in the rear side:

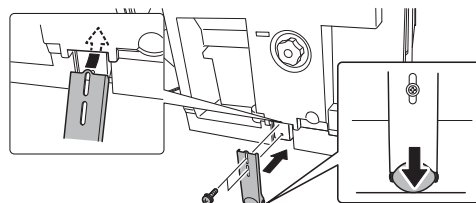


C. Saddle section installing procedures (MX-FN22 only)

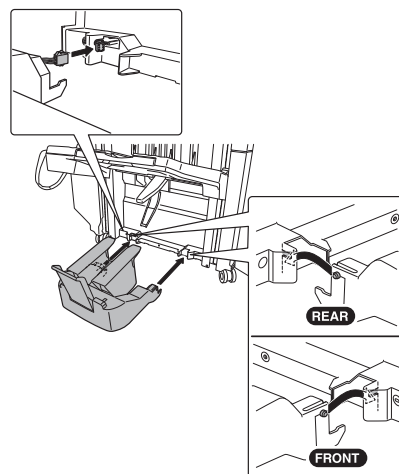
- 1) Open the front cover of the finisher, pull out the hook of the saddle stitcher unit until it stops.



- 3) Attach the saddle stitcher unit accessory caster (Packed items No.10) with the spring washer screw so that the caster is on the floor.(Attach with the two spring washer screws which are included in the package.)

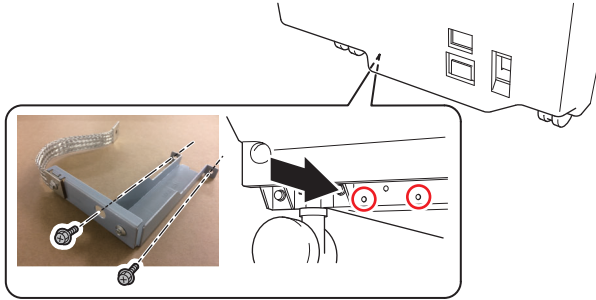


- 4) Connect the connector of the saddle tray to the connector in the lower left side, and attach the bookbinding tray (Packed items No.9) with the two hooks.



D. Shunt cable unit installation

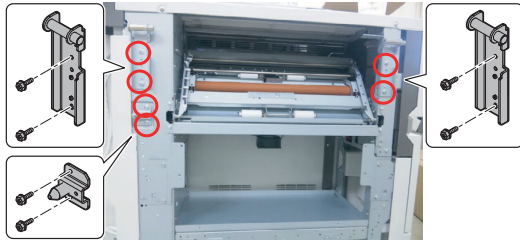
- 1) Fix the shunt cable unit (Packed items No.3) with the screw (Packed items No.8 RS tight, M4 x 8).



E. Connection plates F/R, connection pin, paper guide, and protection Mylar installation

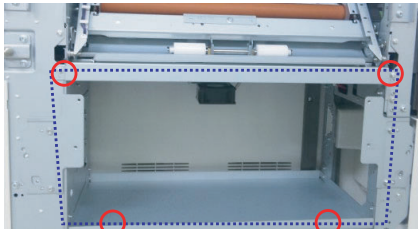
Connection unit: MX-RB27 (Decurler unit)

- 1) Fix the latch receivers F/R (Packed items No.1) and the positioning pin (Packed items No.2) to the decurler unit with the screws (Packed items No.8 RS tight, M4 x 8).



- 2) Fix the paper guide A (bundled with the decurler unit No.11) and the protection sheet (bundled with the decurler unit No.14) together with the screws (bundled with the decurler unit No.1).

MEMO: Temporarily attach the protection sheet to the decurler unit with the duplex tape (back of the protection sheet), then fix it with the screw.



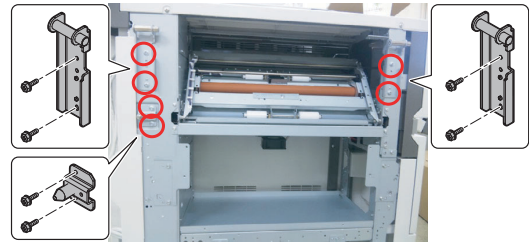
Connection unit: MX-FD10 (Paper folding unit)

- 1) Fix the latch receivers F/R (Packed items No.1) and the positioning pin (Packed items No.2) to the decurler unit with the screws (Packed items No.8 RS tight, M4 x 8).



Connection unit: MX-RB13 (Relay unit)

- 1) Fix the latch receivers F/R (Packed items No.1) and the positioning pin (Packed items No.2) to the relay unit with the screws (Packed items No.8 RS tight, M4 x 8).

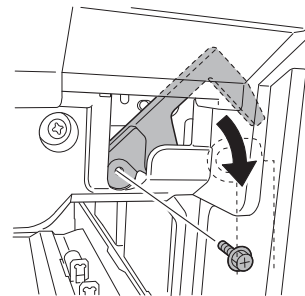


- 2) Fix the paper guide A (bundled with the decurler unit No.11) to the relay unit with the screws (bundled with the decurler unit No.1).

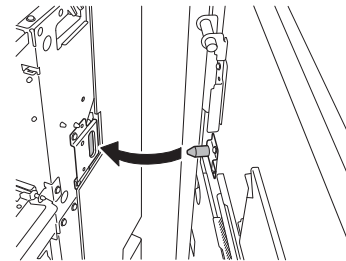


F. Finisher connection (common for each unit)

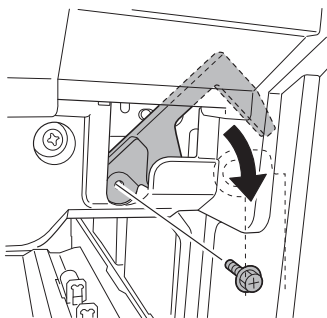
- 1) Remove the screw, lift the latch and tighten the screw again to fix the latch.



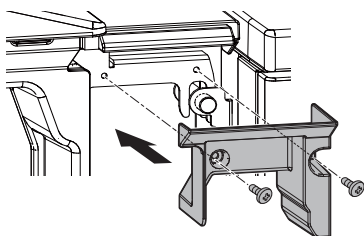
- 2) Fit the positioning pin attached to the connection unit with the positioning hole in the finisher, and connect the finisher with the connection unit.



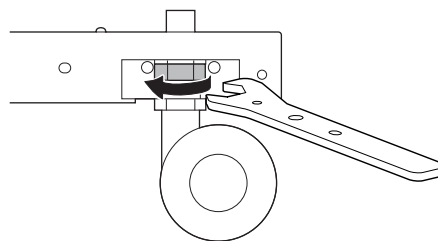
- 3) Check to confirm that the latch is securely engaged with the latch holder, and fix the latch with the fixing screw.



- 4) Attach the latch cover (Packed items No.9) to the latch section with the screws (Packed items No.10 Bind, M4 x 6) (Only for FN21)

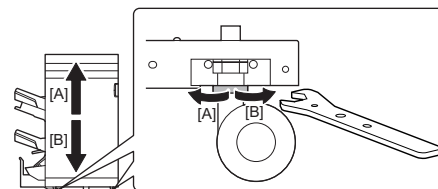


- 2) Turn the fixing nut of the caster in the arrow direction with the wrench to loosen it.



- 3) Turn the adjustment nuts of the caster in the arrow direction with the wrench to adjust the height. (When the adjustment nut is turned one rotation, the finisher height is changed by about 1.75mm.)

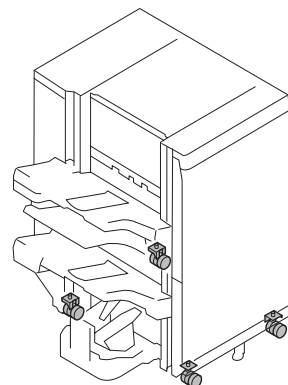
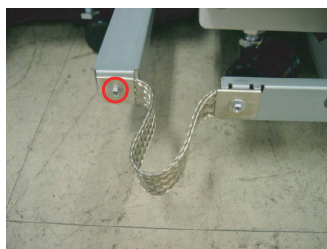
- * To heighten the finisher height: Turn in direction [A].
- * To lower the finisher height: Turn in direction [B].



MEMO: To adjust the height, use the four casters shown in the figure below.

G. Shunt cable connection

- 1) Connect the shunt cable (Packed items No.3) and the connection unit with the screw (Packed items No.8).



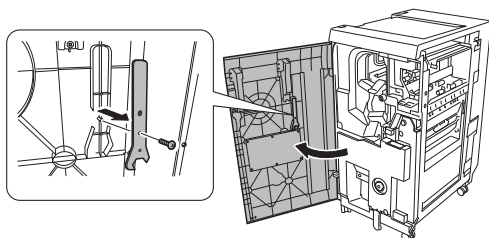
H. Height and tilt adjustment

MEMO: The specification of the height and the tilt adjustment are as follows.

Height: The difference of level between top surface of the adjacent device is within $\pm 2\text{mm}$.

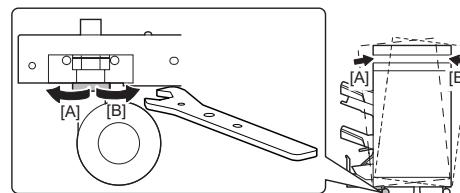
Tilt: The difference of clearance between upper and lower part of the adjacent device is within $\pm 2\text{mm}$.

- 1) Open the front cover, and remove the wrench.

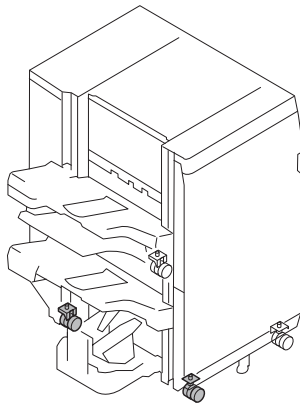


- 4) Turn the adjustment nut of the caster in the arrow direction with the wrench to adjust the tilt.

- * To tilt the finisher to the right: Turn in direction [A].
- * To tilt the finisher to the left: Turn in direction [B].

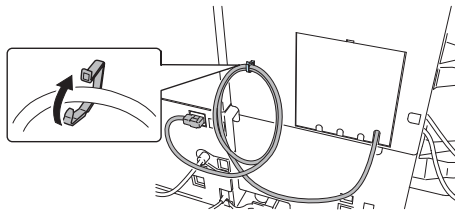


MEMO: To adjust the tilt, use the two casters shown in the figure below.



I. Cable connection

- 1) Insert the wire saddle (Packed items No.4) into the hole in the upper rear cover to attach.
- 2) Attach the interface cable to the wire saddle. (The figure below shows that the cable is wound two turns and fixed.)

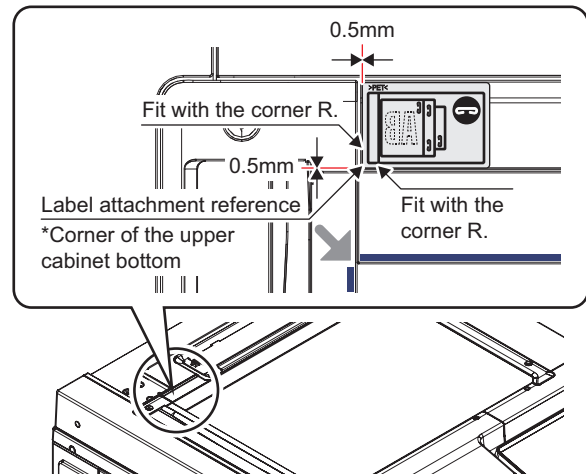


- 3) Connect the AC cable.

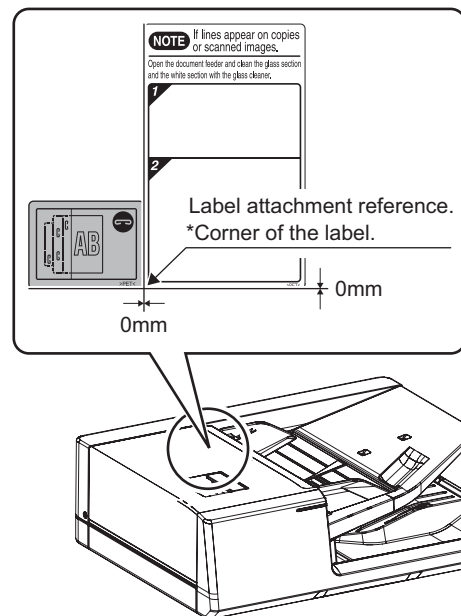
J. Staple position label attachment

- 1) Attach the staple position label (Packed items No.12, 13) to the position indicated in the figure.

For scanner



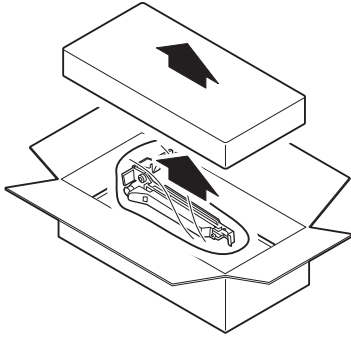
For DSPF



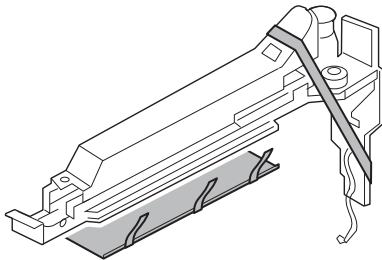
[17] MX-PN13A/B/C/D (PUNCH MODULE)

1. Unpacking

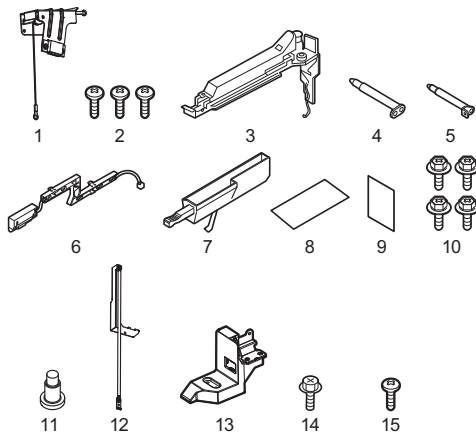
A. Removal of the punch unit



B. Fixing tape and protection material removal



C. Packed items check



No.	Name	Quantity
1	Punch open support plate	1
2	Screw (bind, M4 x 6)	3
3	Punch unit	1
4	Punch unit fixing pin (for the finisher)	1
5	Punch unit fixing pin (for the saddle finisher)	1
6	Punch dust full sensor unit	1
7	Punch dust box	1
8	Card	1
9	Label 2	1
10	Screw (hex screw with flange, SRM4 x 8)	4
11	Step screw	1
12	Spring hook plate	1
13	Punch handle	1
14	Screw (TP, M3 x 6)	1
15	Screw (bind, M3 x 6)	1

2. Installation

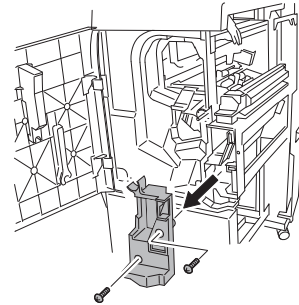
NOTE: Installation must be executed in the sequence of the complex machine body, the paper feed option, and the paper exit option.

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

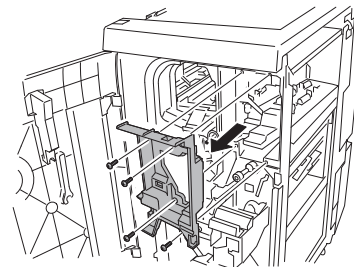
A. External fixture removal

- 1) Open the front door of the finisher.
- 2) Remove the inside upper cover.

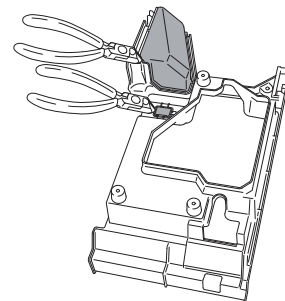
In the case of the MX-FN21:



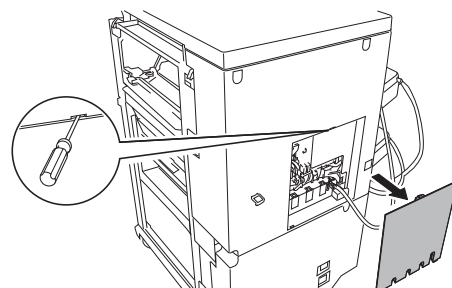
In the case of the MX-FN22:



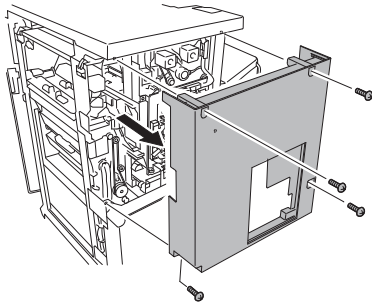
- 3) Use a nipper to cut out the dust-box blind cover of the inside upper cover.



- 4) Remove the rear cover of the finisher.

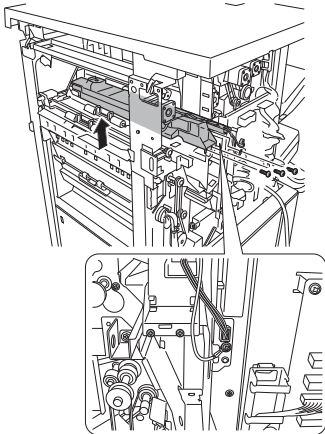


- 5) Remove the rear cabinet of the finisher.

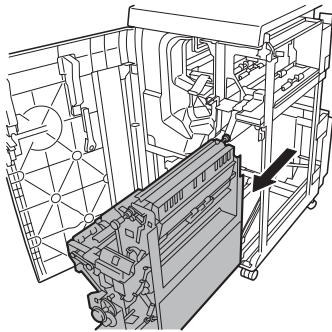


B. Transport unit removal

- 1) Remove the earth, the connector, and the screw, and remove the transport unit.

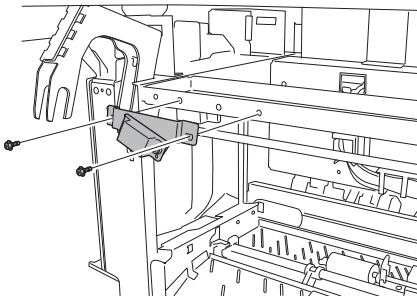


- 2) Pull out the saddle unit until it stops. (MX-FN22 only)

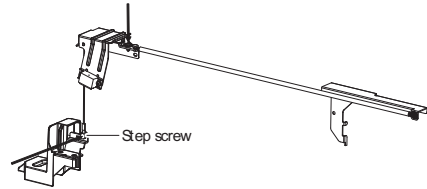


C. Punch open support plate installation (MX-FN21 only)

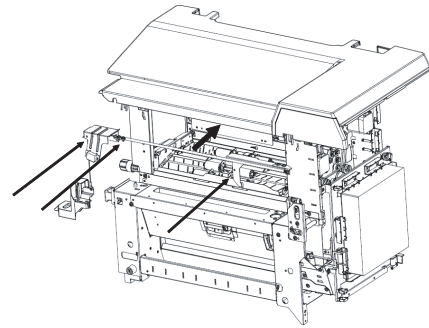
- 1) Remove the magnet plate.



- 2) Purchase assembling
Attach the punch handle (Packed items No.13) and spring hook plate (Packed items No.12) to the punch open support plate (Packed items No.1) with the screw (Packed items No.10) and the step screw (Packed items No.11).

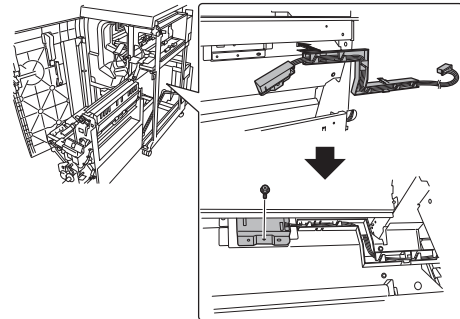


- 3) Purchase installation
Install the purchase to the finisher with screw (Packed items No.10).



D. Punch dust full sensor installation

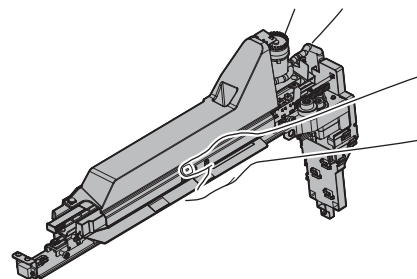
- 1) Attach the punch dust full sensor unit (Packed items No.6) with the screw (Packed items No.15).



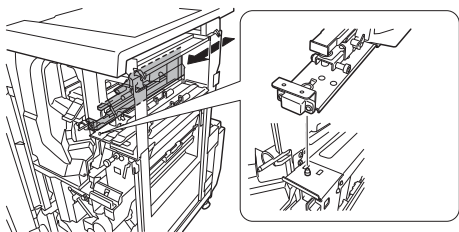
E. Punch unit installation

NOTE: Hold the punch unit as shown in the figure below.

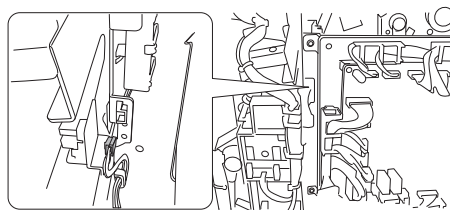
NOTE: Do not hold the motor gear.



- 2) In the front side of the punch unit, fit the hole in the punch unit with the pin in the finisher side then push down the entire unit.

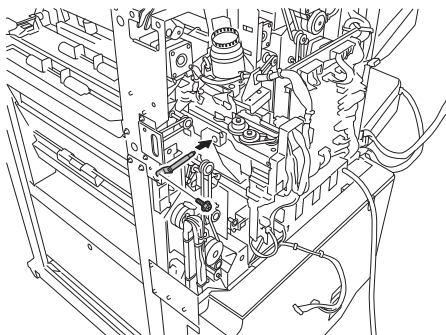


- 2) Connect the cable from the punch unit.

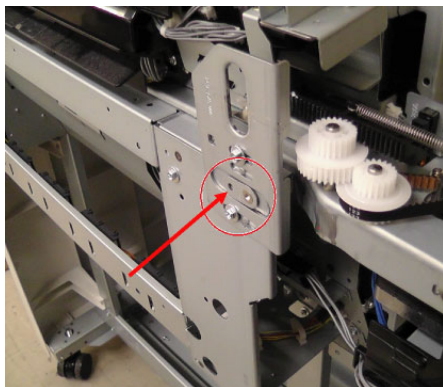


F. Punch unit fixing pin attachment

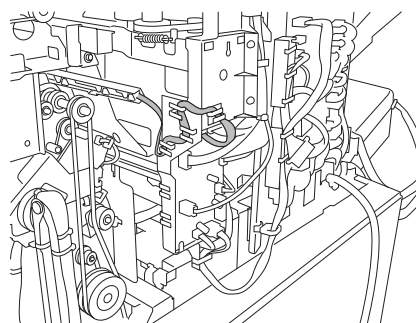
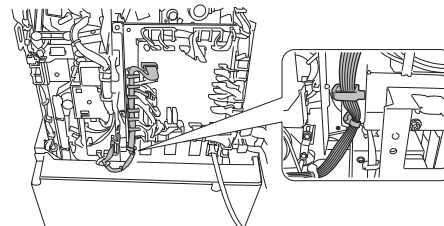
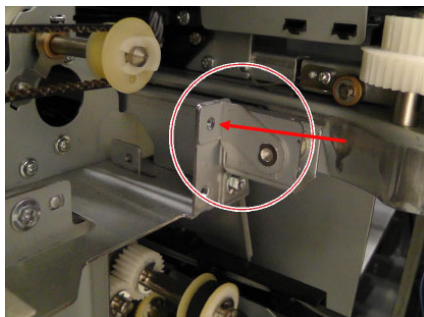
- 1) Attach the punching unit fixing pin (FN21 : Packed items No.4, FN22 : Packed items No.5) and fix it with the screw.



In the case of the MX-FN21 (Fix with the screw (Packed items No.2):

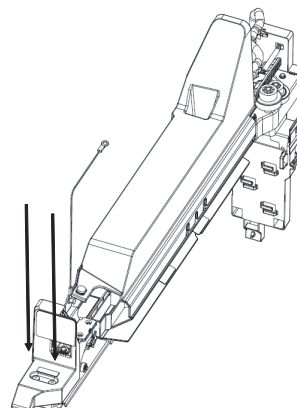


In the case of the MX-FN22 (Fix with the screw (Packed items No.14):

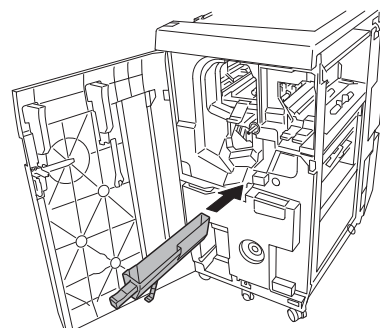


G. Assemble the punch unit (MX-FN21 only)

- 1) Attach the punch handle with the screw (Packed items No.2).
(Use the short screw driver)

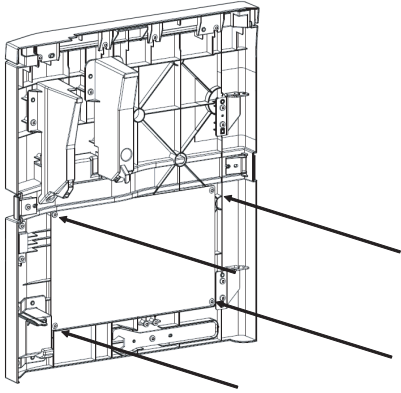


H. Punch dust box installation

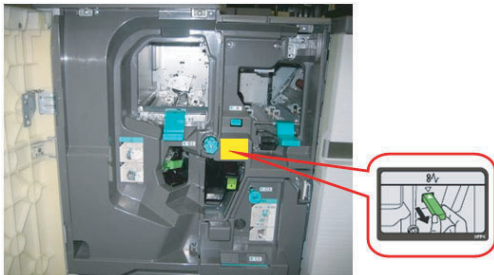


I. Card installation (MX-FN21 only)

- 1) Once remove the existing card fixing screw and stack the card (Packed items No.8) on the existing card then fix with the screw.



J. Punch JAM clear label attachment (MX-FN22 only)



[18] MX-TM10 (TRIMMING MODULE)

1. Unpacking

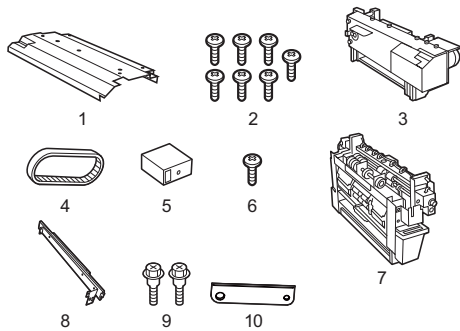
A. Trimmer unit unpacking

NOTE: When unpacking the trimmer unit, use manpower of two or more persons.

B. Fixing tape and protection material removal

- 1) Remove the fixing tape from the paper folding unit.

C. Packed items check



No.	Name	Quantity
1	Upper cover	1
2	Screw (Bind, M4 x 6)	7
3	Cutter unit	1
4	Drive belt	1
5	Dust box holding member	1
6	Special tapping screw	1
7	Trimmer unit frame body	1
8	Accuride rail	1
9	Step screw (M4 x 6)	2
10	Plate	1

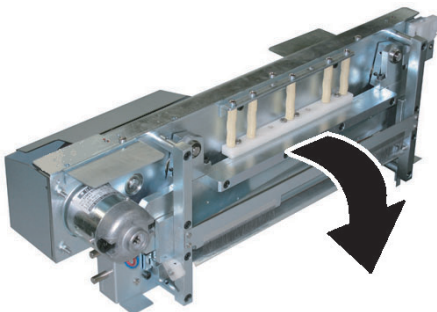
2. Installation

NOTE: Installation must be executed in the sequence of the complex machine body, the paper feed option, and the paper exit option.

NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

NOTE: Because there is a cutter in the cutter unit, please don't insert fingers into the unit.

NOTE: When putting the cutter unit on a floor, put it so that the cutter motor is in the lower side.

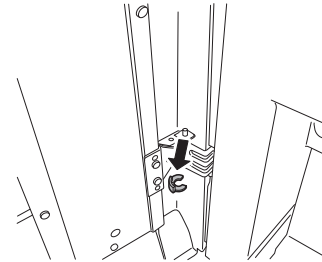


A. Sponge sheet removal

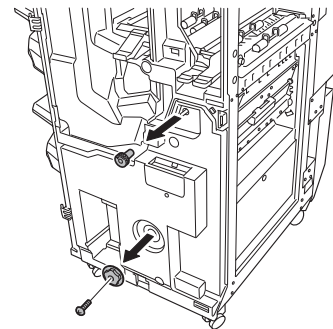
- 1) Remove the sponge sheet.

B. External fixture removal

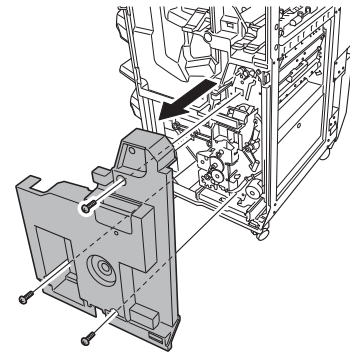
- 1) Open the front door of the finisher.
- 2) Remove the resin E-ring, and remove the front door.



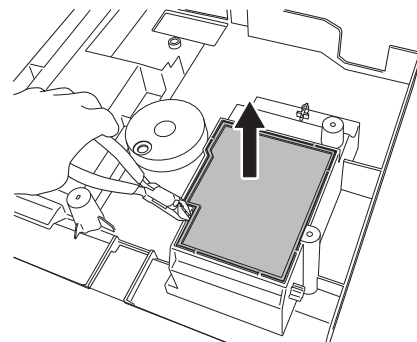
- 3) Remove the jam dial and the screw.



- 4) Remove the screw, and remove the inside cover.

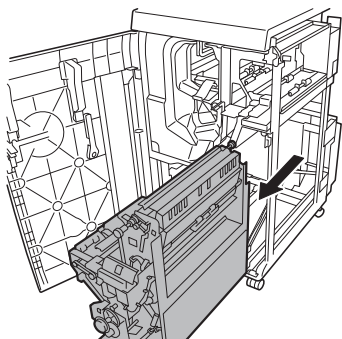


- 5) Use a nipper to cut out the dust-box blind section of the inside cover.

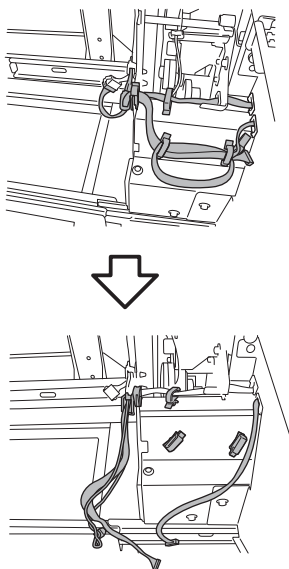


C. Transport unit removal

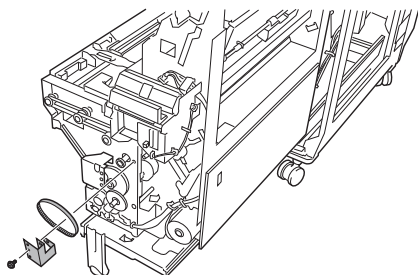
- 1) Pull out the saddle unit until it stops.



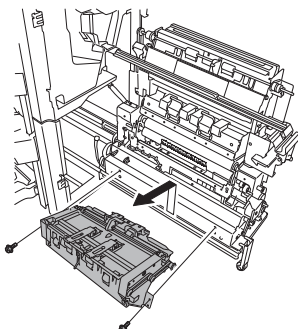
- 2) Disconnect the connector at the rear of the saddle unit.



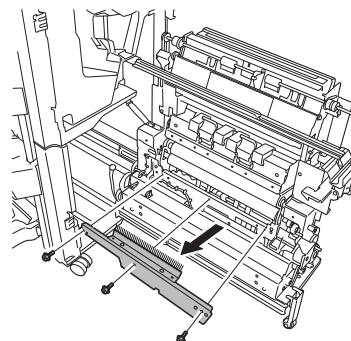
- 3) Remove the plate and the belt. (The plate will be used later.)



- 4) Remove the transport unit.



- 5) Remove the discharge unit.
Save the removed screws for later use.

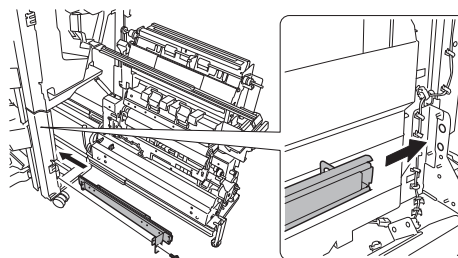


D. Trimmer unit installation

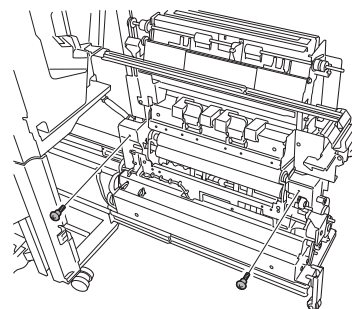
- 1) Insert the pin at the rear of the accuride rail (Packed items No.8) into the hole at the rear of the finisher.

NOTE: Fix the accuride rail with the screw removed in the previous procedure (Discharge unit removal).

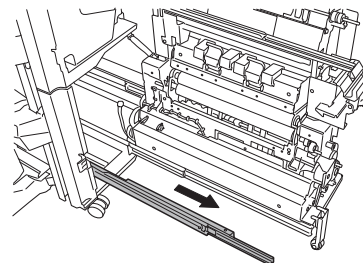
NOTE: Insert the screw into the hole in the upper side of the accuride rail.



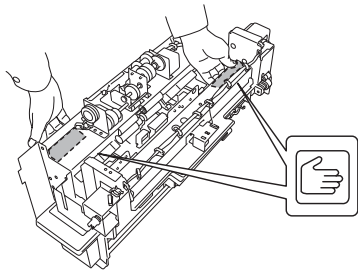
- 2) Fix the unit with the step screw (Packed items No.9 M4x6).



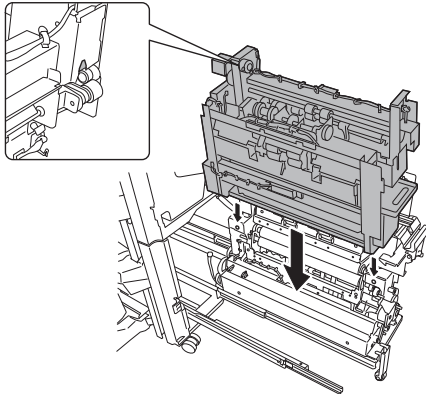
- 3) Pull out the accuride rail (Packed items No.8) installed in procedure 1) until it stops.



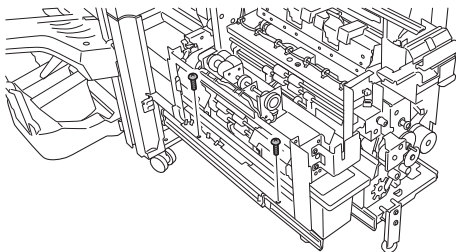
Hold the trimmer unit frame body (Packed items No.7) as shown in the figure below.



- 4) Engage the frame of the trimmer unit frame body (Packed items No.7) with the step screw (Packed items No.9 M4x6) attached in procedure 2),

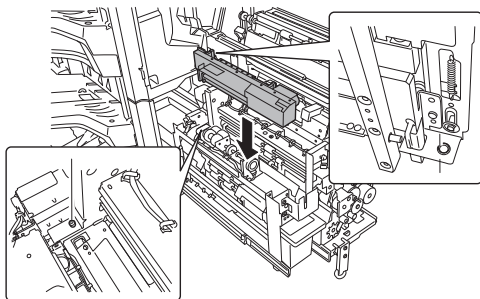


- 5) Fix the trimmer unit frame body (Packed items No.7) to the the accuride rail (Packed items No.8) with the screw (Packed items No.2 Bind, M4 x 6).

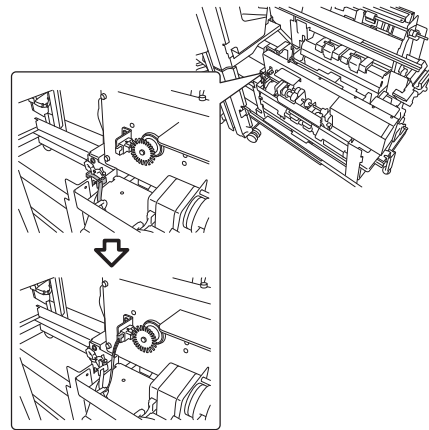


E. Cutter unit installation

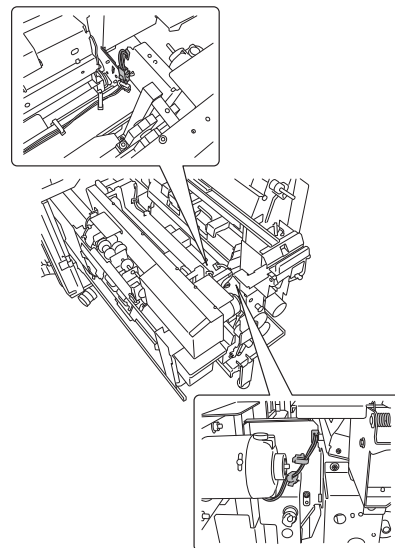
- 1) Put the cutter unit (Packed items No.3) on the trimmer unit.



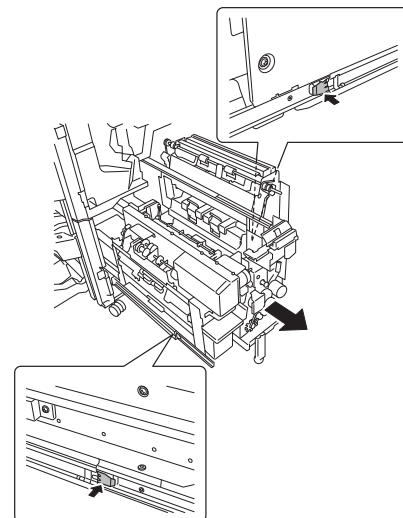
- 2) Connect the connector for the sensor.



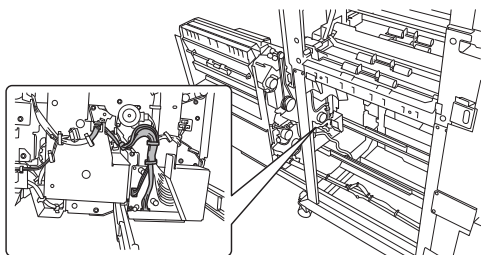
- 3) Connect the connector for the motor, and fix it with the wire saddle.



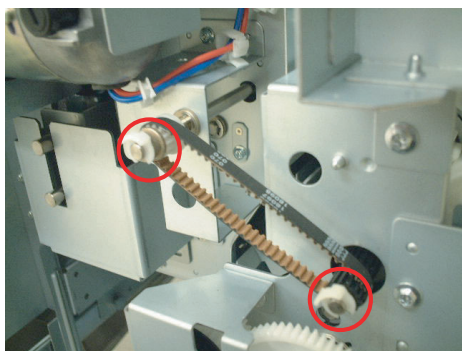
- 4) Disengage the stopper of the accuride, and pull out the saddle unit to the maximum extent.



- 5) Connect the connector at the back of the unit.

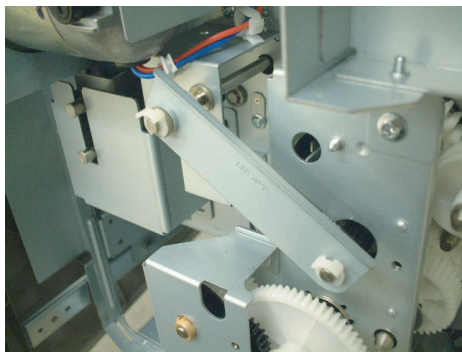


- 6) Attach the drive belt (Packed items No.4).
7) Remove the resin E-ring, the bearing, and the resin washer.

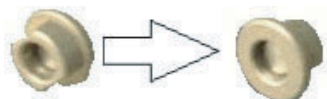


MEMO: Dispose of the resin washer only.

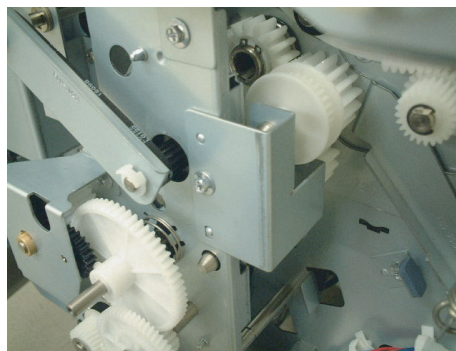
- 8) Install in the sequence of the plate (Packed items No.10), the bearing, and the resin E-ring.



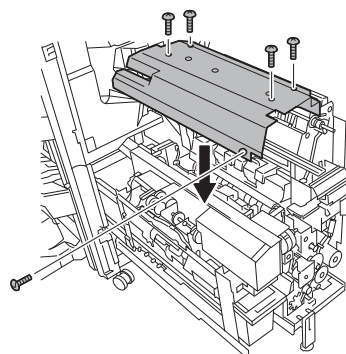
NOTE: Turn back the bearing and attach it.



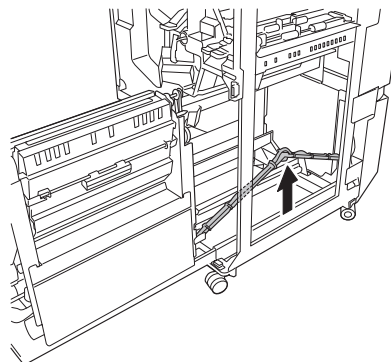
- 9) Attach the plate removed in procedure B-3).



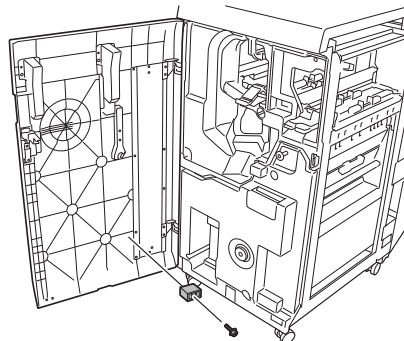
- 10) Attach the upper cover (Packed items No.1).
Insert the trimmer frame into the slit groove of the cover.



- 11) Lift the communication cable of the saddle unit.



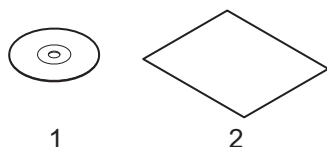
- 12) Return the saddle unit to the original position.
13) Attach the inside cover.
14) Attach the jam dial (upper) and the jam dial (lower).
15) Attach the front door of the finisher.
16) Attach the dust box holder (Packed items).



[19] MX-PF10 (BARCODE FONT KIT)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	1
2	Product key sheet	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

B. Confirmation of function enable

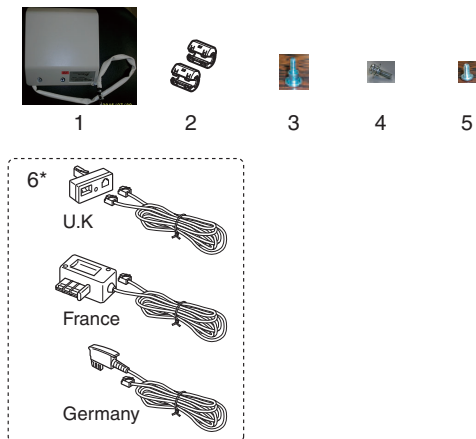
Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

Font No.	Font name
1	Code128TT-Regular
2	Code128-NarrowTT-Regular
3	Code128-WideTT-Regular
4	Code39HalfInch-Regular
5	Code39OneInch-Regular
6	Code39QuarterInch-Regular
7	Code39SmallHigh-Regular
8	Code39Slim-Regular
9	Code39SmallLow-Regular
10	Code39SmallMedium-Regular
11	Code39Wide-Regular
12	Codabar-Regular
13	Interleaved2of5-Regular
14	Interleaved2of5-Thin-Regular
15	OCR-A
16	OCR-B
17	OCR-B-C39-Regular
18	UPC-Half
19	UPC-Half-Bars
20	UPC-HalfMusic
21	UPC-HalfNarrow
22	UPC-HalfThin
23	UPC-Tall-Regular
24	UPC-TallBarsThin-regular
25	UPC-TallMusicThin-Regular
26	UPC-TallNarrow-Regular
27	UPC-TallThin-regular
28	ZipCodeBarcode-Regular

[20] BP-FX11 (FACSIMILE EXPANSION KIT)

1. Unpacking

A. Packed items check



* This is not bundled with the machines whose destinations are not above mentioned destinations.

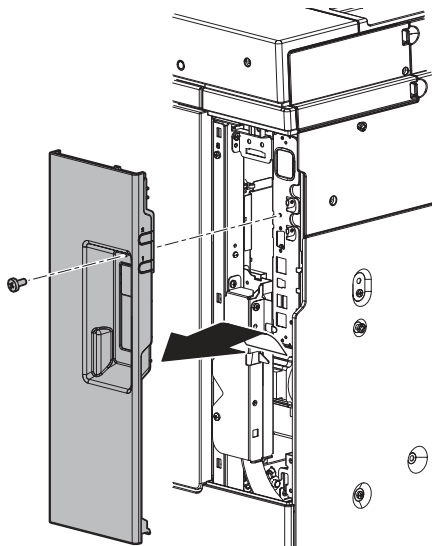
No.	Name	Quantity
1	Fax unit	1
2	Ferrite core	2
3	Step screw (Not used)	1
4	Screw M3-10	1
5	Screw M3-6 (Not used)	1
6	Line cable	1

2. Installation

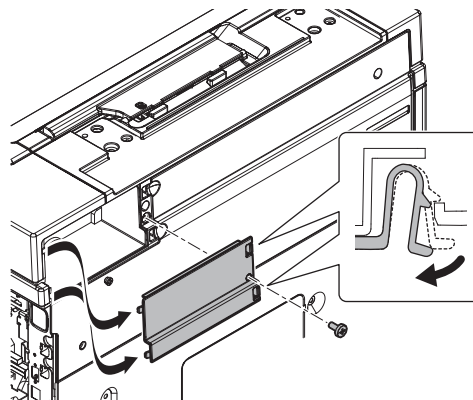
NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Remove the covers.

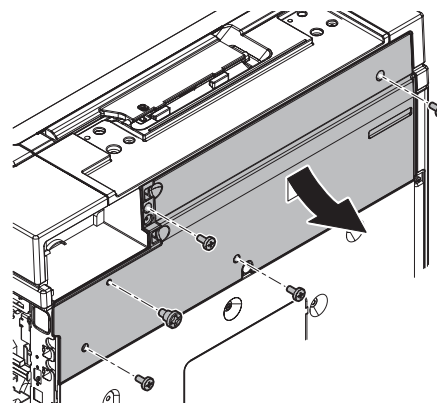
- 1) Remove the screw and the right cabinet rear upper.



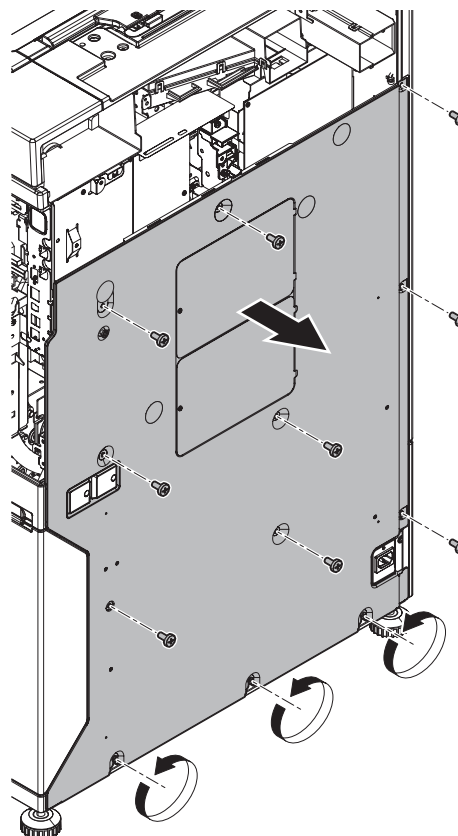
- 2) Remove the screw and remove the rear cabinet upper cover.



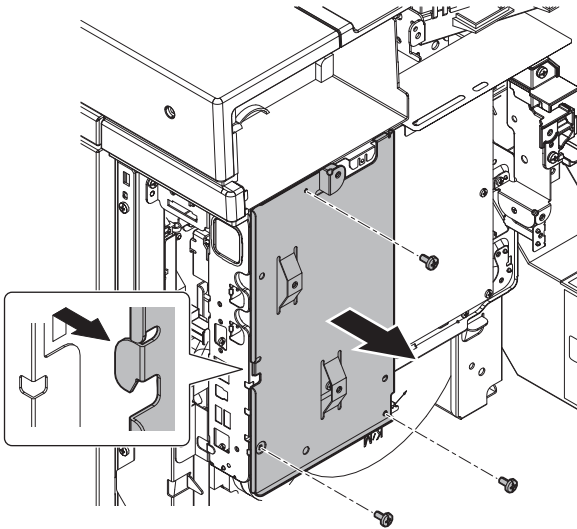
- 3) Remove the screws and remove the rear cabinet upper.



- 4) Loosen the screws in the lowest part of rear cabinet. Remove the screws and remove the rear cabinet.

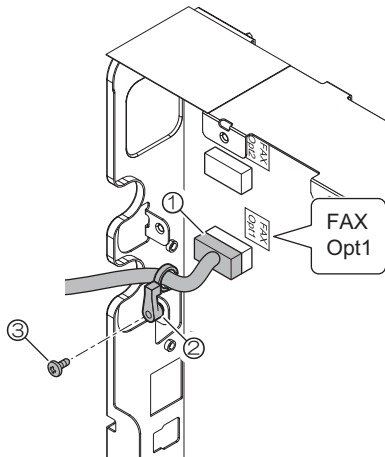


- 5) Remove the screws and the cover.



B. Connect the interface cable

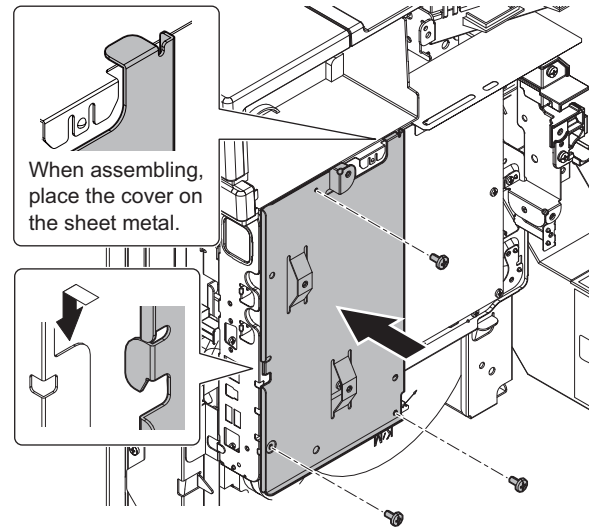
- 1) Connect the interface cable to the SCN-MFPC PWB.
NOTE: Check that the connector is not obliquely inserted.
- 2) Push the interface cable into the recessed portion of the sheet metal on the SCN-MFPC PWB unit.
- 3) Fix a snap band with the M3 screw. (Packed items No.4)



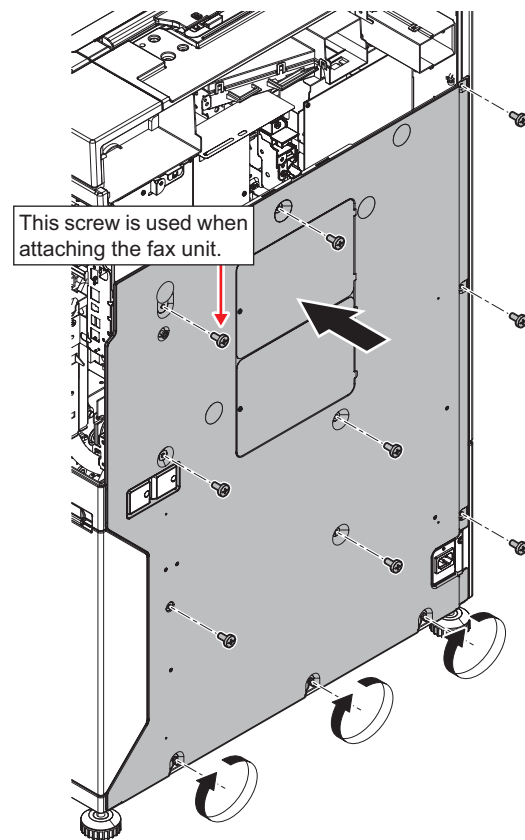
NOTE: Do not mistake the connection method between the upper BOX and the lower BOX. Connect to match the silk of the substrate.

C. Attach the covers.

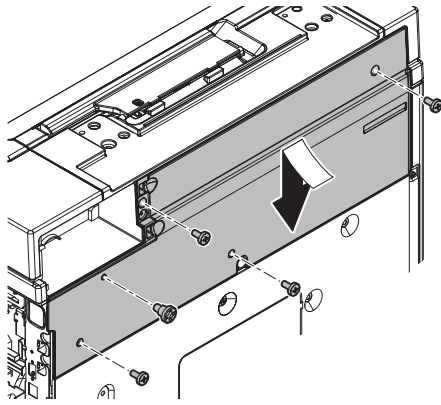
- 1) Attach the cover.



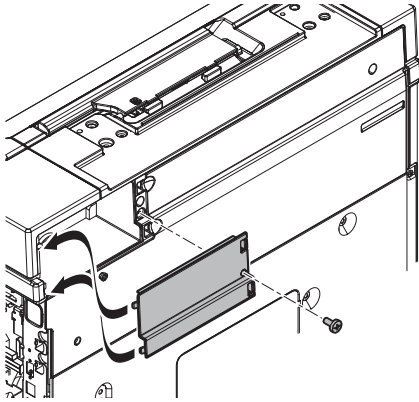
- 2) Attach the rear cabinet.



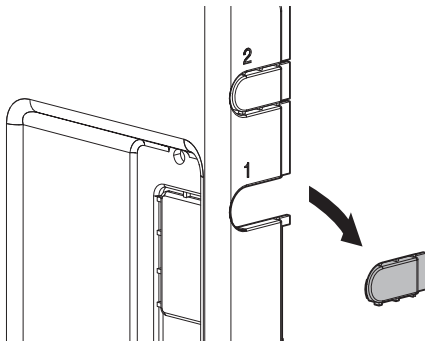
3) Attach the rear cabinet upper.



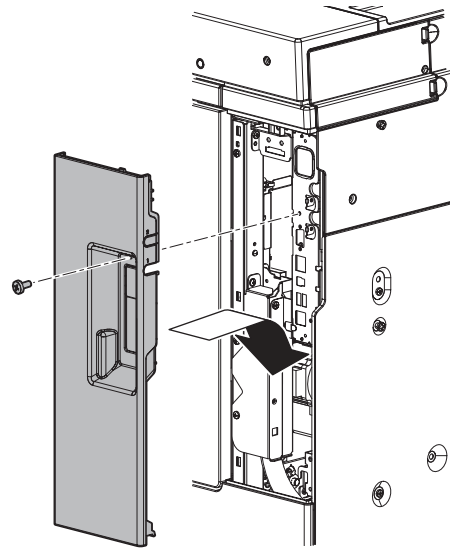
4) Attach the rear cabinet upper cover.



5) Cut out the cut-out portion of the right cabinet rear upper.

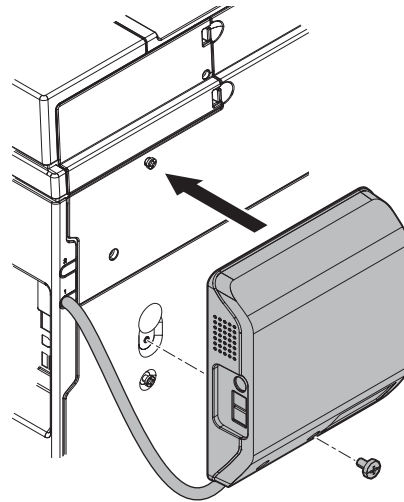


6) Attach the right cabinet rear upper.



D. Attach the fax unit

- 1) Hang the FAX unit on the step screw. Fix the FAX unit with the screw.



E. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

F. Destination setting

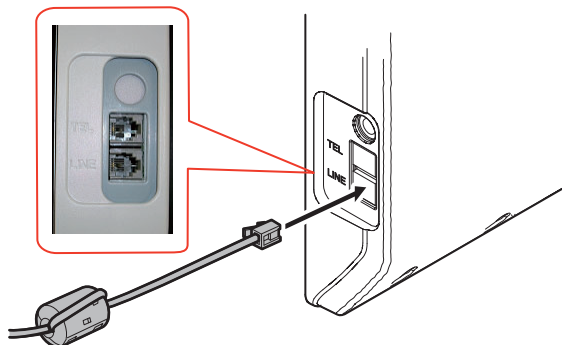
- 1) Enter the SIM26-6 mode.
- 2) Check to confirm that the destination setting of the machine matches the specifications of the FAX destination. If not, the FAX may not function properly.

G. Clear the FAX related software switches

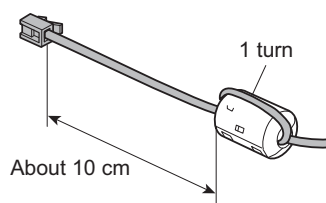
- 1) Enter the SIM66-2 mode.
- 2) Press DEST CODE button.
- 3) Take a note of the corresponding destination code.
- 4) Press BACK button to return to the code entry mode.
- 5) Enter the destination code taken in procedure 3), and press SET button.
- 6) Press EXECUTE and YES buttons.

H. Line cable connection

- 1) Connect the line cable on the line to the modular jack indicated as "LINE."



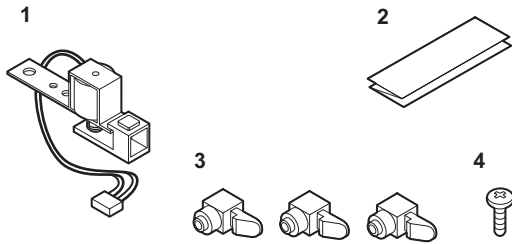
MEMO: When connecting the line cable (to LINE or TEL), wind the line cable one turn around the ferrite core (Packed item No.2) as shown in the figure, and connect to the modular jack which is marked with "LINE."



[21] AR-SU1 (STAMP UNIT)

1. Unpacking

A. Packed items check



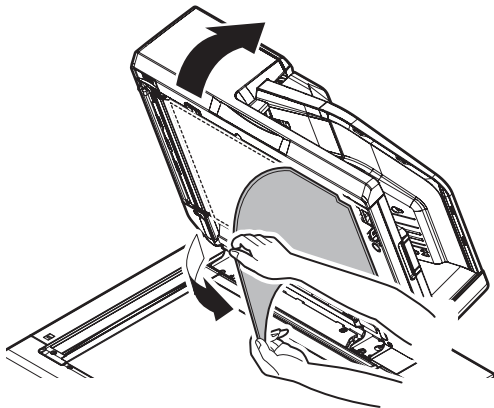
No.	Name	Quantity
1	Stamp unit	1
2	Stamp cartridge replacement procedure*	1
3	Stamp cartridge	3
4	Installing screw	1

* When replacing the stamp cartridge, Refer to "Stamp cartridge replacement" in the "User's Guide" (PDF document) which is stored in the hard disk of the machine. The user must be notified of that. (Do not refer to "Stamp cartridge replacement procedure" (Packed items).)

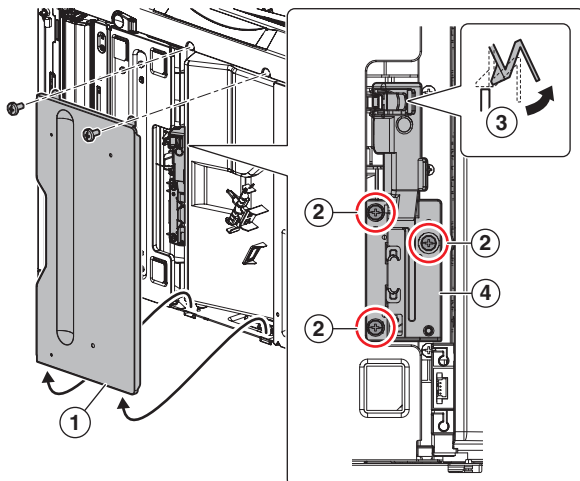
2. Installation

A. Install the stamp unit

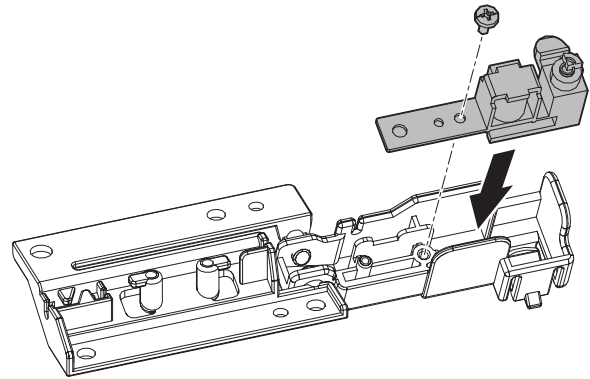
- 1) Open the DSPF unit, remove the OC mat.



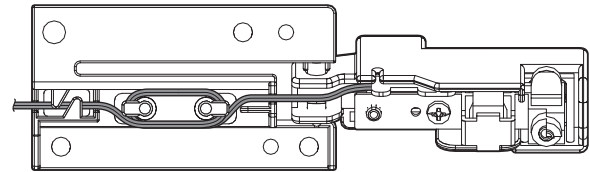
- 2) Remove the screw, and remove the paper exit PG cover. Remove the screw.
Disengage the pawl, and remove the stamp case unit.



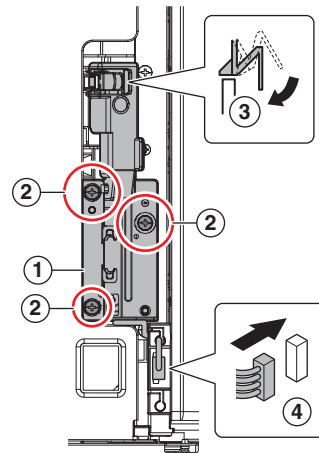
- 3) Attach the stamp unit (Packed items) to the stamp case which was removed from the DSPF unit with the installing screw (Packed items).



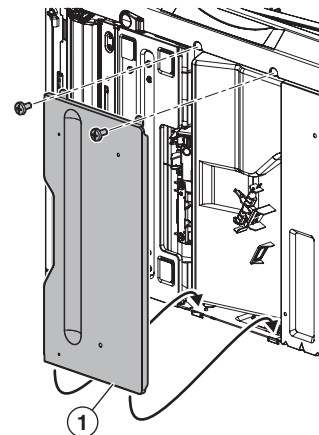
* Arrange the harness of the stamp unit as shown below.



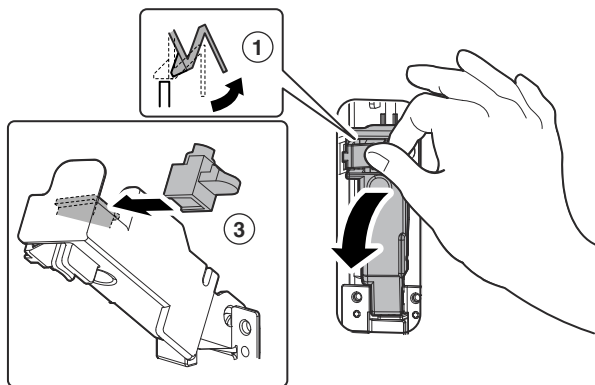
- 4) Install the stamp case unit, and fasten it with the screw. Install the earth wire. Connect the connector.



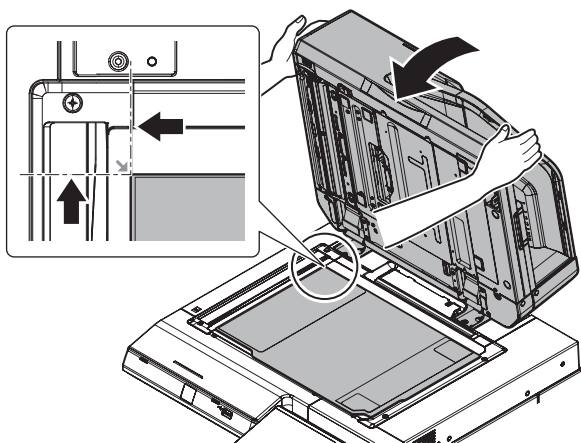
- 5) Install the paper exit PG cover.



- 6) Disengage the pawl, and open the stamp case unit.
Install the stamp cartridge (Packed items).



- 7) Install the OC mat to the SPF glass, and close the DSPF unit.



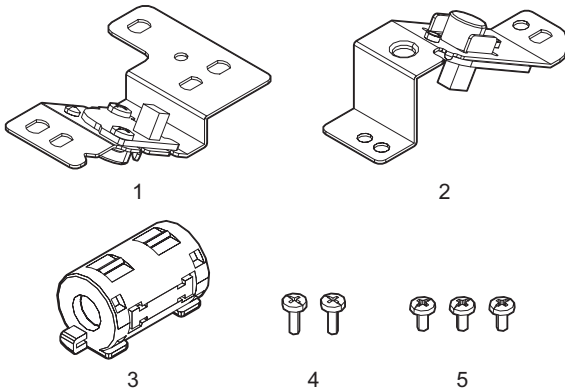
B. Turn on the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

[22] BP-DD10 (DOUBLE FEED DETECTION KIT)

1. Unpacking

A. Packed items check

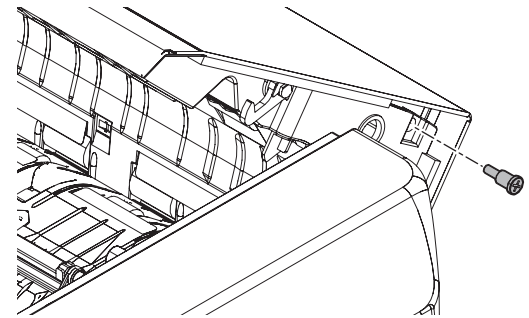
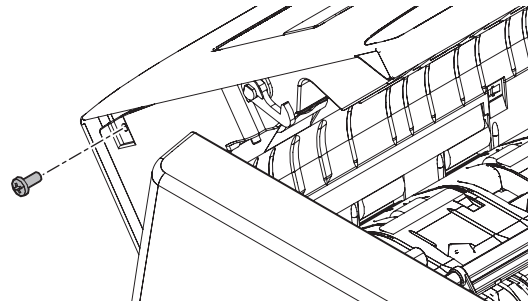
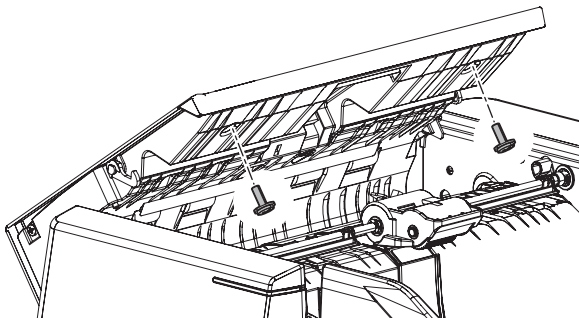
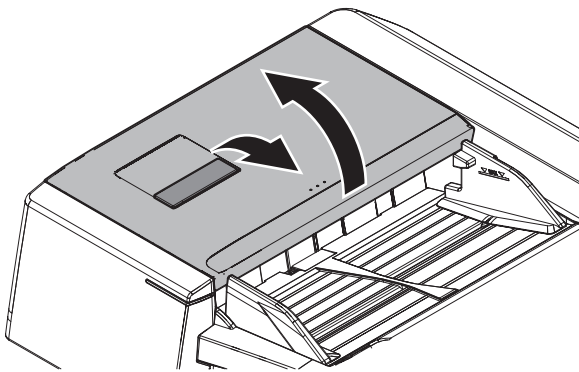


NO.	Name	Quantity
1	Double feed detection unit (transmitting)	1
2	Double feed detection unit (receiving)	1
3	Ferrite core	1
4	Screw (M3x8 P tight)	2
5	Screw (M3x6 S tight)	3

2. Installation

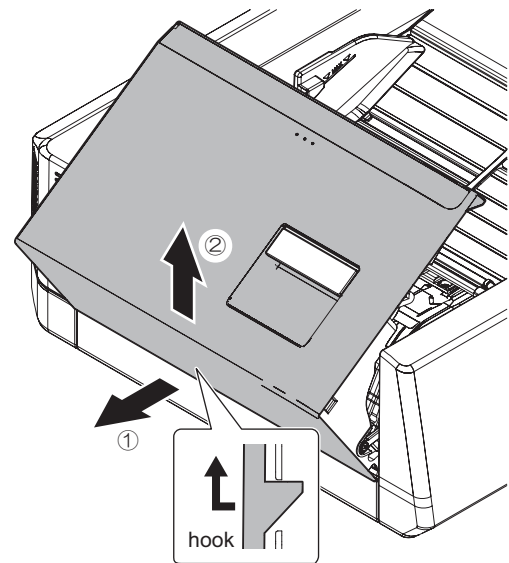
A. Installing double feed detection unit (transmitting)

- 1) Open cover and remove 4 screws

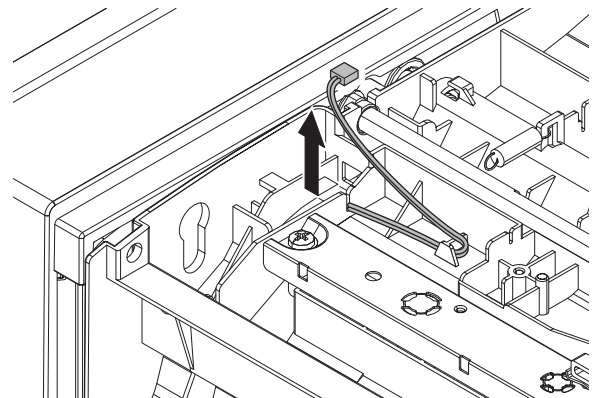


- 2) Remove cover.

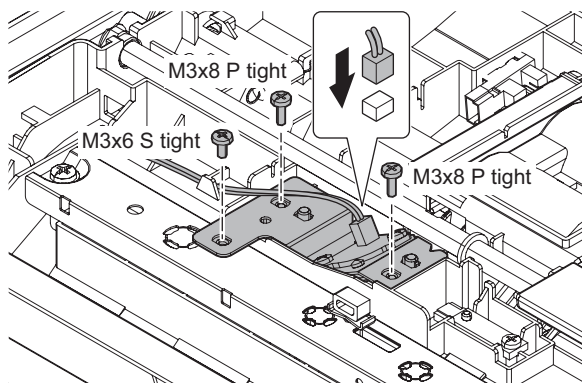
Gently pull the lower end of the cover in the direction of (1) to remove the hook on the back and slide it upward in the direction of (2).



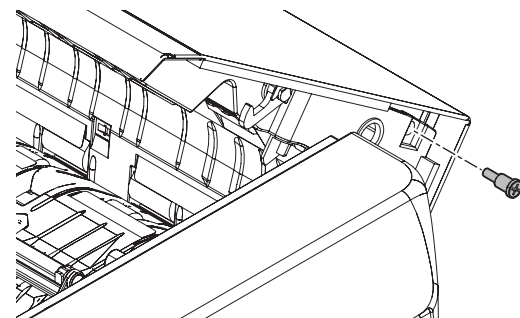
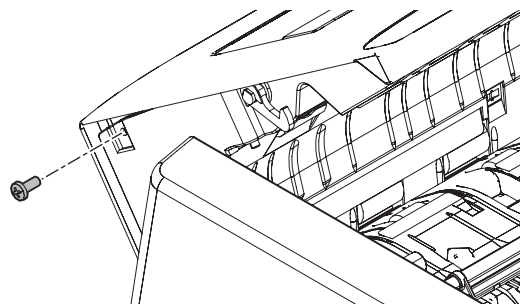
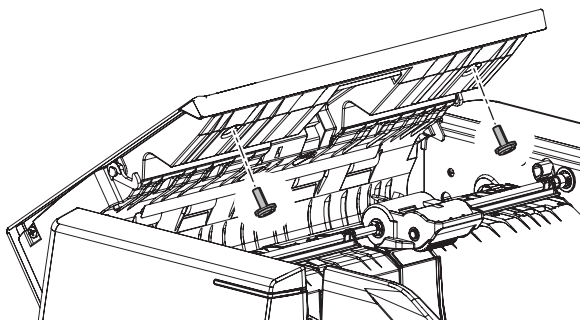
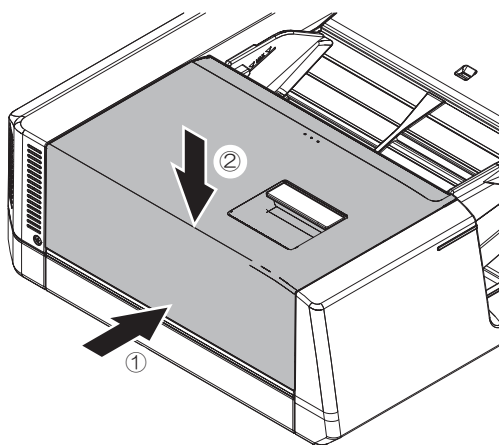
- 3) Pull out the connector inside the paper guide.



- 4) Attach the double feed detection unit (transmitting) (Packed item No.1) to the paper guide, secure it with three screws and connect the connector.

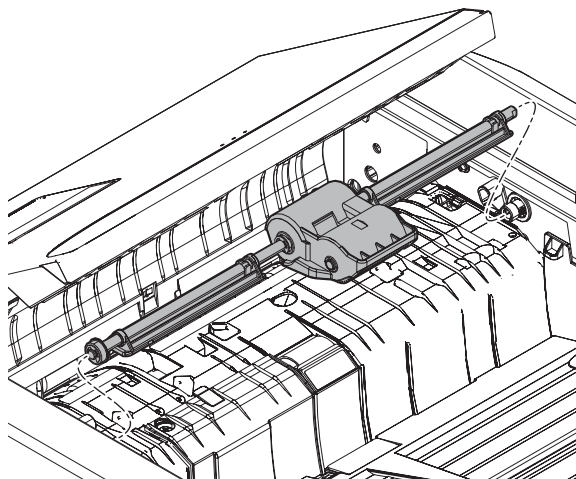
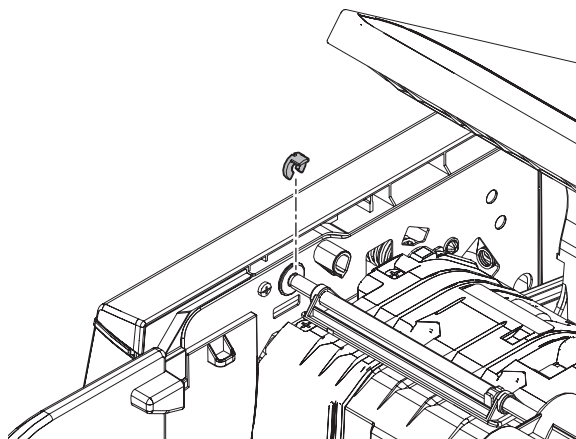


- 5) Reinstall the cover and secure it with 4 screws. While pressing in the direction of (1) slide in the direction of (2) to attach.

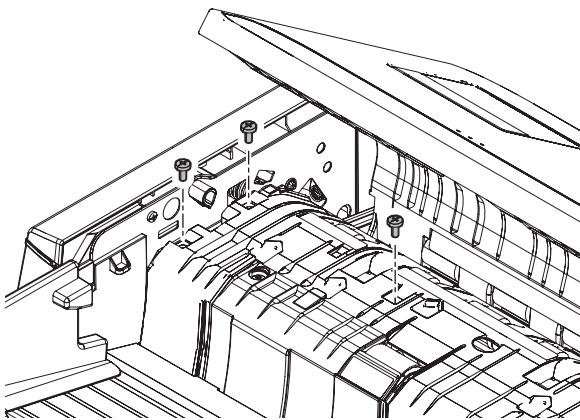


B. Installing double feed detection unit (receiving)

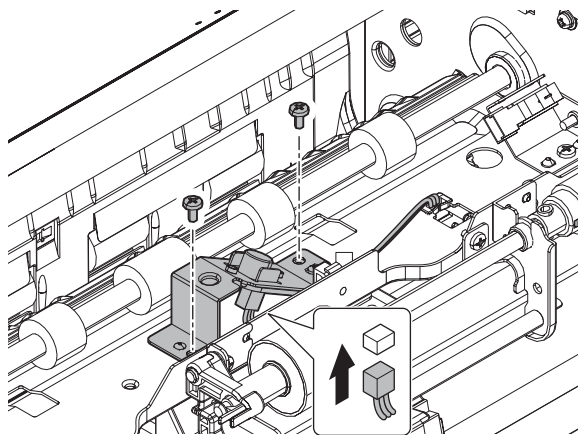
- 1) Open the door, remove the E-ring and the paper feed shaft.



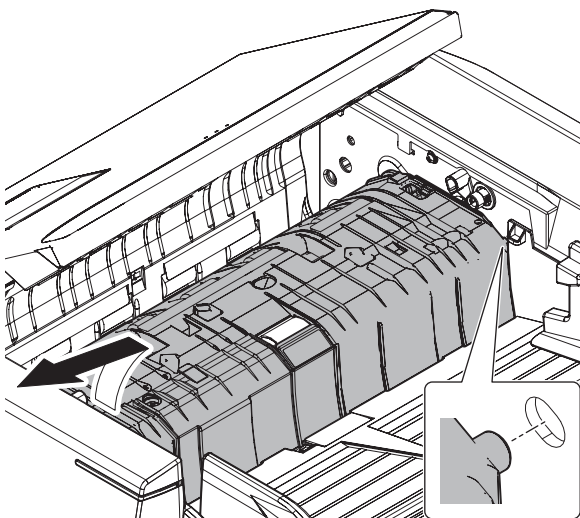
- 2) Remove 3 screws and paper guide.



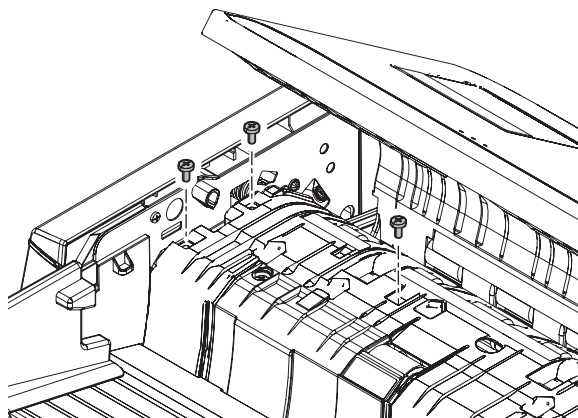
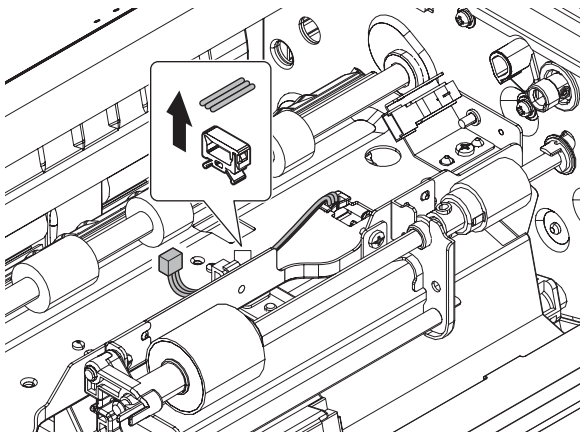
- 4) Connect the connector to the double feed detection unit (receiving) (Packed item No.2) and secure it with 2 screws.



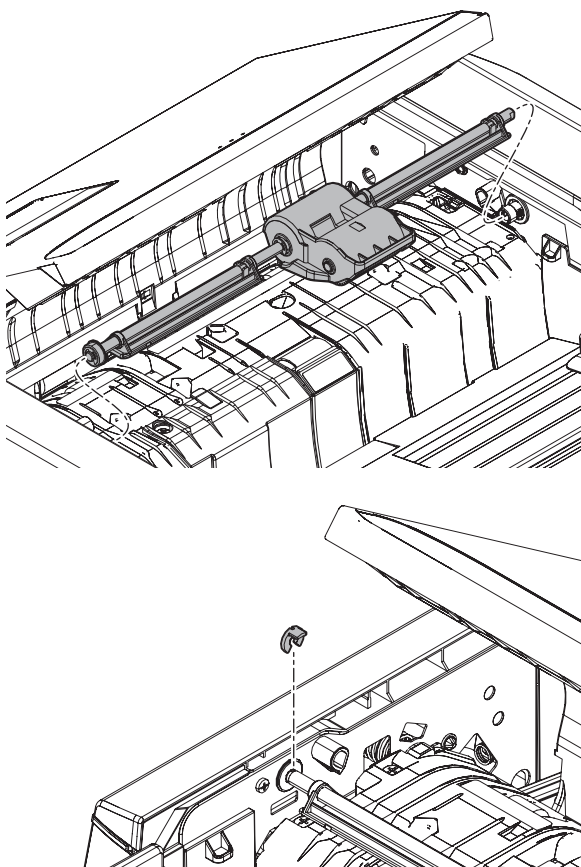
- 5) Reinstall paper guide to secure it with 3 screws.



- 3) Pull out the connector.

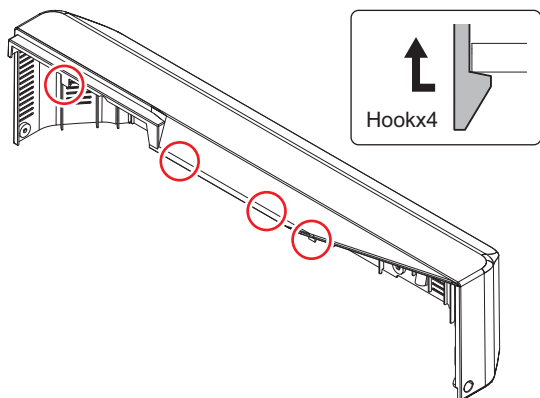
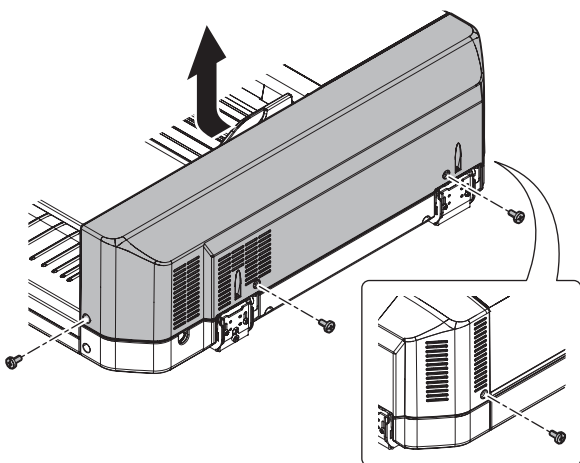


- 6) Install the paper feed shaft and the E-ring.

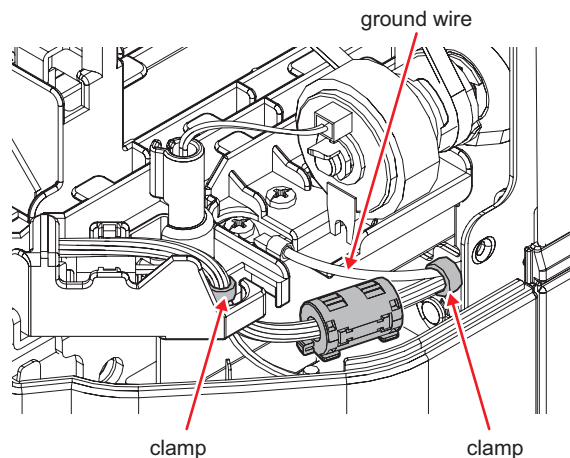


C. Installing ferrite core

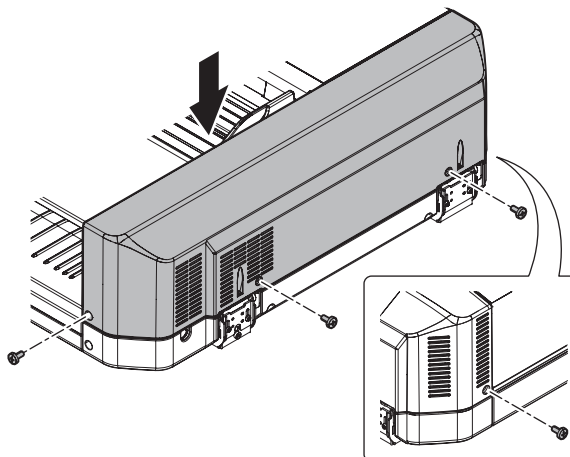
- 1) Remove 4 screws and cover.



- 2) Attach the ferrite core (Packed item No.3) to the harness. Attach the ferrite core using clamp as a mark.
 - * Do not put the earth wire in the ferrite core.
 - * Put only the purple wire bundle in the ferrite core.
 - * After installing the ferrite core, move the ferrite core along the wiring and check that the wires are not pinched.



- 3) Put cover back and secure it with 4 screws.

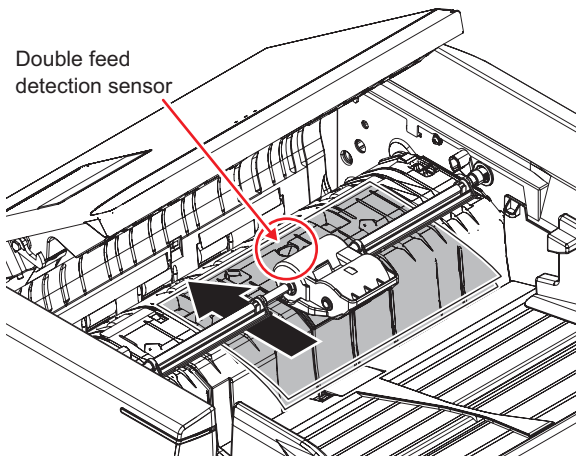


D. Double feed detection sensor setting and operation check

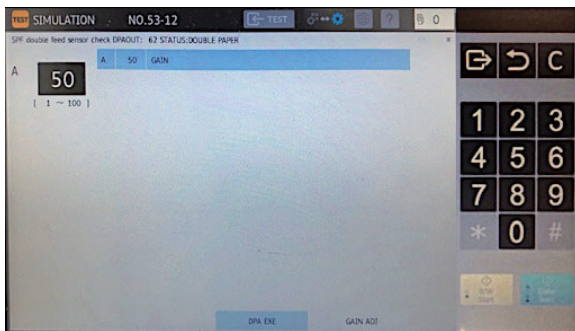
- 1) Enter SIM26-50 set double feed detection to "1". Tap EXIT key to cancel simulation mode.



- 2) Open the door and set the folded paper so that the double feed detection sensor is hidden.



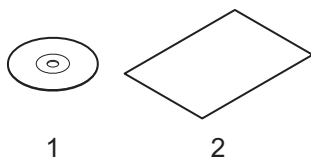
- 3) Close door, enter SIM53-12 and tap [DPA EXE].
Check double feed detection sensor operation.
Check "Double Paper" is display.



[23] MX-FWX1 (INTERNET FAX EXPANSION KIT)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	1
2	Product key sheet	1

2. Installation

NOTE: In order to specify the address of the Internet Fax with the PC-FAX driver, the PC-FAX driver must be updated by the Internet Fax expansion kit.

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

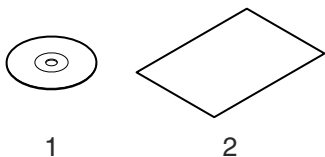
B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[24] BP-FR12U (DATA SECURITY KIT)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	1
2	Product key sheet	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Tap the registration key.
- 2) Rebooting will start automatically and will be updated.

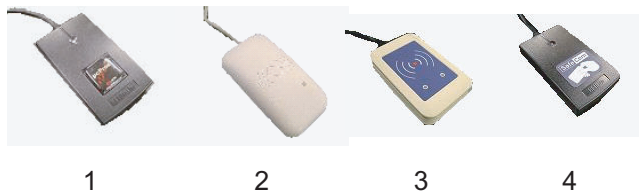
B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[25] IC card reader

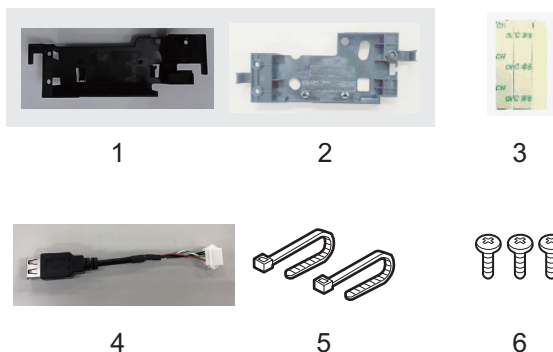
1. Preparation

A. Supported IC card readers



No.	Type of card readers	Manufacturer	Model Name
1	Non-contact IC card reader	RFIDeas	RDR-6081AKU
2		Equitrac	Y591-EHID-201 v01
3		Elatec	TWN3
4		RFIDeas	RDR-7582AKU

B. Necessary parts



No.	Parts code	Parts name	Quantity
1	LHLDZ2230FCZZ	IC card reader holder B	1
2	LHLDZ2231FCZZ	IC card reader holder C	1
3	PTPE-0352FCZZ	Card reader fixing tape (Double-stick tape)	2
4	DHAI-1077QSPZ	USB mini harness	1
5	LBNDJ0013FCZ1	Binding band	2
6	XEBS730P08000	Screw (M3 x 8 P tight)	3

MEMO: There are two kinds of card reader holders.

Choose the suitable one according to the card reader to be installed.

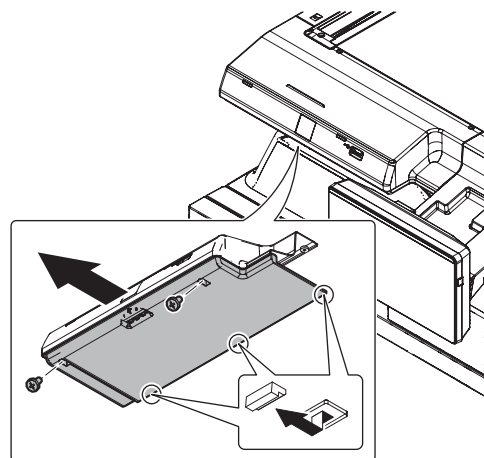
Parts code	Parts name	Supported IC card
LHLDZ2230FCZZ	IC card reader holder B	Y591-EHID-201 v01
LHLDZ2231FCZZ	IC card reader holder C	RDR-6081AKU, TWN3, RDR-7582AKU

2. Installation

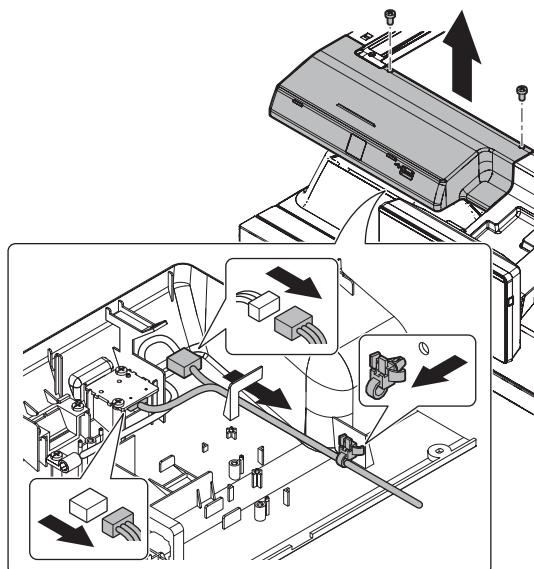
NOTE: Before installation, be sure to turn both the operation and main power switches off and disconnect the power plug from the power outlet. Make double sure that the data lamp on the operation panel does not light up or blink when performing installation.

A. Upper cabinet front left removal

- 1) Open the right door.
- 2) Fold the operation panel toward the front.
- 3) Remove the screws and remove the upper cabinet cover.



- 4) Remove the screws and remove the upper cabinet front left. Disconnect the connector from the USB HUB PWB.



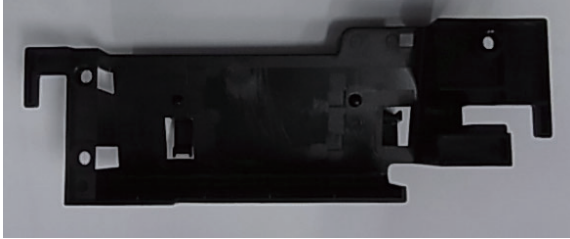
B. Attachment to the IC card reader holder

- 1) Attach the card reader fixing tape to the IC card reader holder referring to the notches as the reference.

NOTE: The holder type and the attachment procedure differ depending on the kind of the IC card reader.

Holder type B

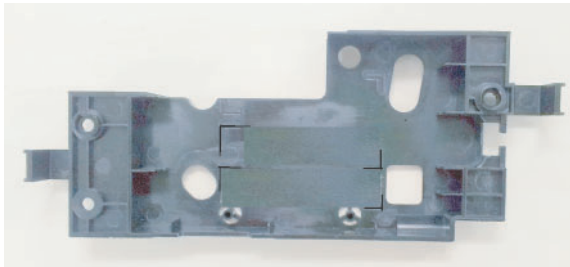
Y591-EHID-201 v01



Vertical and horizontal directions: Fit with the notches.

Holder type C

RDR-6081AKU, TWN3, RDR-7582AKU



Vertical direction: Fit with the notch.

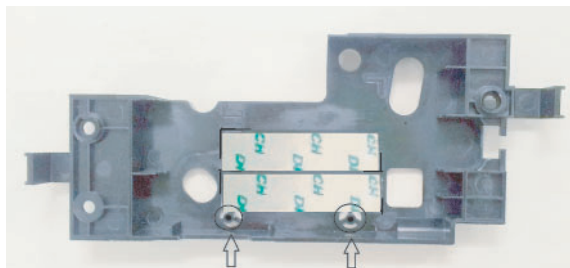
Horizontal direction: Fit with the notch and the lower edge.

- 2) Cut out the boss.

NOTE: The cutting position of the boss of the IC card reader holder differs depending on the kind of the IC card reader.

Holder type C

RDR-6081AKU, RDR-7582AKU



- 3) Attach the IC card reader to the IC card reader holder according to the attachment reference ribs.

NOTE: The attachment reference position differs depending on the kind of the IC card reader.

Holder type B

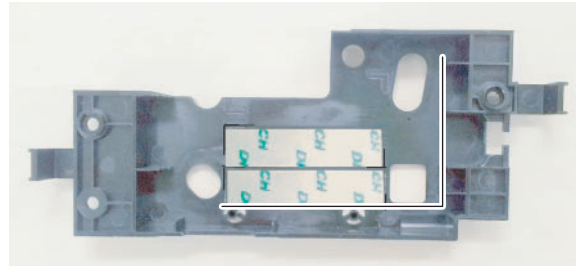
Y591-EHID-201 v01

(No reference position)



Holder type C

RDR-6081AKU, RDR-7582AKU

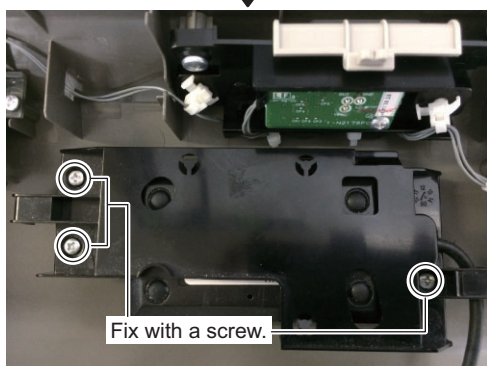
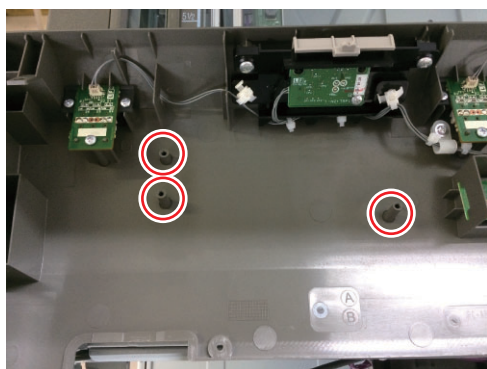


Holder type C

TWN3



- 4) Attach the IC card reader holder to the operation panel of the machine.



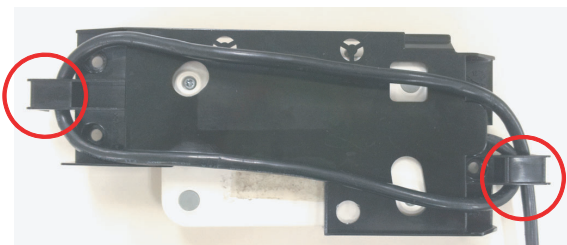
- 5) Bind up the cables of the card reader.

NOTE: The length and the winging method differ depending on the kind of the IC card reader.

Holder type C

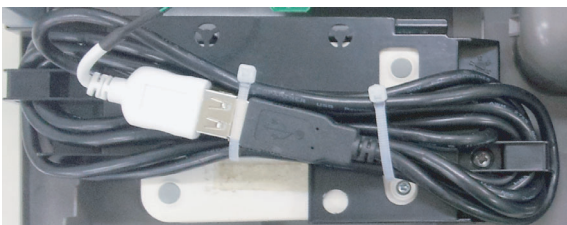
RDR-6081AKU, TWN3, RDR-7582AKU

Roll up the code in the direction of an arrow along the both of hooks.



NOTE: The above work must be done before attach the card holder to the operation panel unit.

Bind up the code on the upper part of holder with the binding band.



NOTE: Adjust the position of USB connector that roughly in the center of the holder.
Bind up the cord on the inside of the holder.

Holder type B

Y591-EHID-201 v01

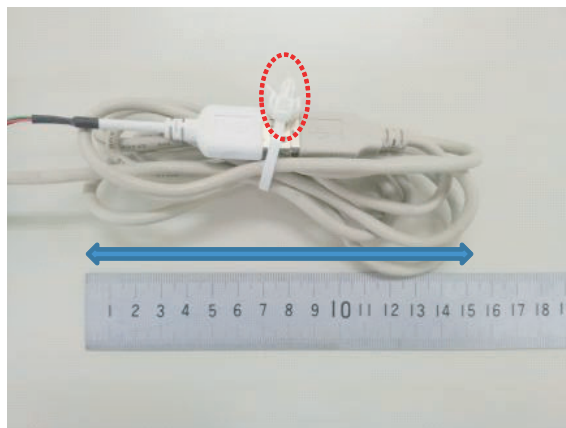
Bind up the cords at the about 80mm from the end of holder.



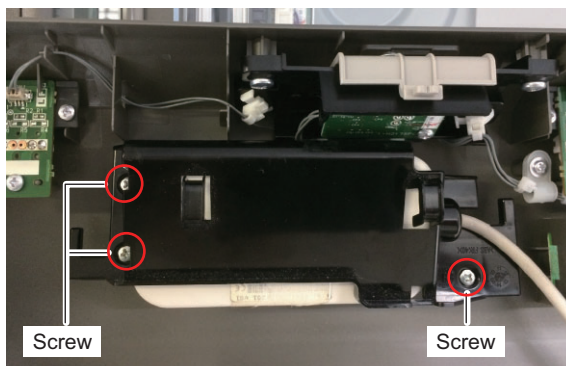
Bind up the cord into about 150 mm lengths.

At that time, adjust the position of USB connector that roughly in the center between the ends of card holder and the bind up cord.

NOTE: The binding band direction is as follows.



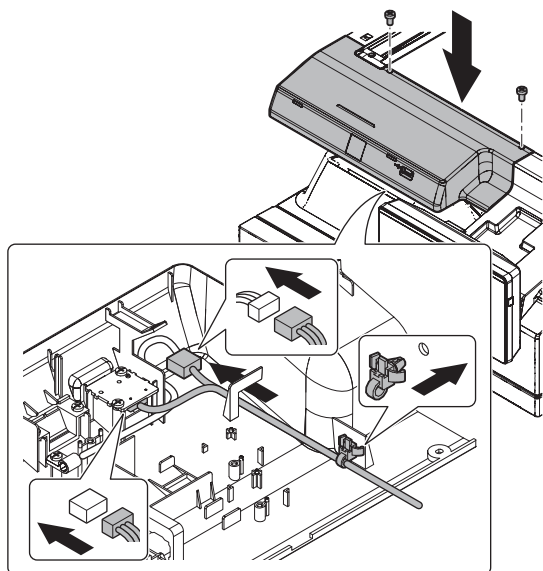
Hook the left part of holder B to the panel and fix the right part with the screw.



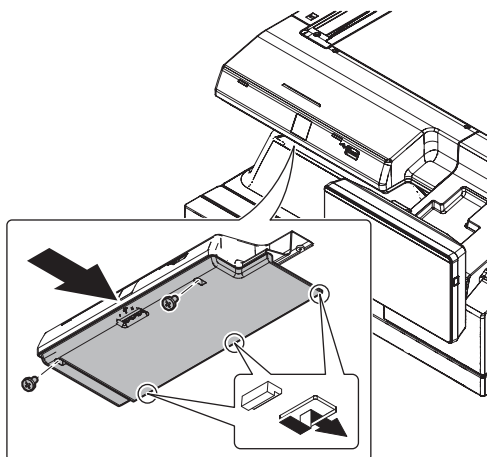
C. Attach the upper cabinet front left

- 1) Connect the connector.

Attach the upper cabinet front left and fix the screws.



- 2) Attach the upper cabinet cover and fix the screws.



D. Turn ON the power of the main unit

- 1) Connect the power plug of the machine to the power outlet, and turn ON the main power switch and the operation panel power switch.

E. System setting modification

IC card reader device registration

- 1) Device registration
 - a) Enter the card reader setting menu as shown below.
System settings → Authentication settings → Card reader settings → Basic settings
 - b) Press [Read] button.
 - c) Disconnect the connector which links the machine and the IC card reader, and then insert it back.
 - d) Press [OK] button.
 - e) Check to confirm that values are displayed on "Product ID" and "Vender ID".
 - f) Press [SUBMIT] button, and check to confirm that the success dialog message is displayed.

- 2) Setting

- a) Enter the card reader setting menu as shown below.
System settings → Authentication settings → Card reader settings → Basic settings
- b) Check-mark "Use IC Card for Authentication".
- c) Press [Submit] button.

F. IC card recognition check

MEMO: There are two check methods of IC card recognition. Use either one to check that the IC card reader is recognized.

Check method 1

- 1) Enter the card reader setting menu as shown below.
System settings → Authentication settings → Card reader settings → Basic settings
- 2) Check to confirm that "Card Reader/Writer" is displayed.

Check method 2

Check to confirm that the icon of the card reader is displayed on the system area of the home screen.

(If there is no check-mark on "Use IC Card for Authentication," the icon is not displayed.)

G. Making and importing of the setting file for HID card reading

NOTE: The following procedures are executed only when a request is made by a user for customizing the data format of IC card reading.

- 1) Make the setting file for HID card reading.
For the making procedures, refer to the Manual of Setting File for HID Card Reading.
- 2) Copy the setting file to a USB memory.
- 3) Import the setting file for HID card reading to the machine.
 - a) Enter the system settings menu as shown below:
System settings → Authentication settings → Card reader settings → Basic settings
 - b) Connect the USB memory to the USB connector in the operation section.
 - c) Select the file made in procedure 1) above.
 - d) Press [Execute] button.
(The setting file for HID card reading is loaded.)
- 4) Perform the operation check.
 - a) While holding the IC card over the IC card reader, press [Execute] button of "Card Scan Test".
 - b) The IC card data are loaded. The test result is displayed as shown below:

Display when loading is successfully completed:

Read Success.
Card ID : XXXXX
Facility Code : XXXXX

Display when loading is failed:

Detail of error		
Error display	Error content and remedy	
Card is not found.	Content	The card is not detected.
	Remedy	Check to confirm that the card is securely inserted into the IC card reader.
Read Error.	Content	A read error occurs.
	Remedy	Check to confirm that the card and the card reader operate normally with a personal computer, etc.

When an error occurs, troubleshoot the cause and remove the trouble. Then perform the above procedures again.

Possible causes for an error may be error of the IC card or improper contents of the setting file for HID card reading.

3. Setting file for HID card reading

A. Overview

This manual describes the following setting procedures for reading data from an IC card by using the HID card reading function:

- * Setting of the reading area of card data
- * Setting for assignment of read data to the card ID and the facility code
- * If the above setting procedures are not completed, the default setting is valid, reading all the data in the card and assigning to the card ID.

The brief steps of the setting are:

- * Make the setting file according to the format specified in this manual.
 - * Import the setting file through web page or by using the system setting of the machine, "HID user area setting"
- Incase of System setting mode:
System settings → Authentication settings → Card reader settings → Basic settings

B. Format of the setting file

The format of the setting file should be as shown below:

Section name

Key name = Key value

- * Use the template setting file, change the key value, make an arbitrary file name with an arbitrary extension (such as .ini), and save the file.
 - * A line started with "#" or ";" is treated as a comment.
 - * A blank line may be inserted.
 - * Use one-byte alphanumeric characters only (except for comment lines).
 - * A one-byte space may be inserted in front of and at the back of "=" which connects the key name and the key value.
 - * Characters for the key value are case-insensitive. ("ABCD" is considered as the same as "abcd".)
- The section name (which is not changed in principle) and the key name must be distinguished each other.
- * The size of the setting file must be 4KByte or less.
 - * For the keys which are not set, the column of the value must be blank or the whole line may be deleted (commented out).

C. Descriptions on the setting file

(1) Setting of the general information

Section name	Description
General	Setting of the general information

[General]							
Key name	Description						
Version	Setting file version (* Fixed to 1.0)						
Card	Set as shown below depending on the kind of the card to be set. *1						
	<table><tr><th>Key value</th><th>Description</th></tr><tr><td>Felica FeliCa</td><td>Card</td></tr><tr><td>Hid HID</td><td>Card</td></tr></table>	Key value	Description	Felica FeliCa	Card	Hid HID	Card
Key value	Description						
Felica FeliCa	Card						
Hid HID	Card						

*1: This manual describes only the setting of the HID card.

(2) Setting of the HID setting file

Section name	Description
Decoding\FacilityCode	Decode setting of the facility code. (* If the facility code is not used, there is no need to describe this item.)
Decoding\CardId	Decode setting of the card ID. (* If the card ID is not decoded and all the read data are used for the card ID, there is no need to describe this item.)

[Decoding\FacilityCode]	
Key name	Description
Location	Location specifying method ByPosition: Specifying by position ByDelimiter: Specifying by delimiter * If the facility code has no setting of this item, it is NULL. * If the card ID has no setting of this item, all the data read from the card is made the card ID.
Position	Start position (1 - 128) is specified with a decimal number. (* Specified only when the location key value is "ByPosition".) * The head is specified with 1 and later.
Length Position	The length of reading from the position specified with the key is specified with a decimal number (1 - 128). (* Specified only when the location key value is "ByPosition".) * The total of this set value and the value specified with Position key must be 128+1 or less.
Start.Delimiter	Delimiter (Front) (* Specified only when the location key value is "ByDelimiter".) * Only ASCII code printable characters can be used for specification.
End.Delimiter	Delimiter (Back) (* Specified only when the location key value is "ByDelimiter".) * Only ASCII code printable characters can be used for specification.

For [Decoding\CardId] section, the same as above.

When Data = #!abcde\$12345%vxyz ;

Example 1: Specification by position

Position = 3

Length = 5

→Decoded Data = abcde

Example 2: Specification by delimiter

Start.Delimiter = \$

End.Delimiter = %

→Decoded Data = 12345

Section name	Description
Padding\CardId	Card ID padding setting

[Padding\Data]	
Key name	Description
Pre	Front padding (Max. 3 characters) * Only ASCII code printable characters can be used for specification.
Post	Back padding (Max. 3 characters) * Only ASCII code printable characters can be used for specification.

When Decoded Data = 12345 ;

Example

Pre = #%

Post = abc

→Padded Data = #%12345abc

D. Card reading test

After importing the user area setting to the machine, a test can be executed to confirm that the cars is properly read. (* User control > Card area setting > Card reading test (* Only the system settings of the machine))

System settings → Authentication settings → Card reader settings → Basic settings

The result displays after completion of a test are described below.
(When reading is successfully completed, the content of data read from the card is displayed. When reading is failed, an error display is made.)

(1) Error displays in case of a reading failure

Details of error		
Error display		Error content and remedy
Card is not found.	Content	Card is not found.
	Remedy	Check to confirm that the card is securely set in the card reader.
Read Error.	Content	A read error occurs.
	Remedy	Check to confirm that the card and card reader operate normally with a personal computer, etc.

(2) Display when card reading is successfully completed

Read Success.

Card ID: XXXXXX

Facility Code: XXXXXX

* When card reading is successfully completed, the result is indicated as shown above with the user information. Check to confirm that the displayed items are proper. If not, check the improper item.

HID setting file template

The extension of "ini" should be added.

```

hid_template E
;; HID setting file
# General information setting
[General]
Version=1.0
Card=HID

# Decode setting of the facility code
[Decoding\FacilityCode]
Location=ByPosition
Position=1
Length=8

# Decode setting of the card ID
[Decoding\CardId]
Location=ByDelimiter
Start.Delimiter=!
End.Delimiter=?

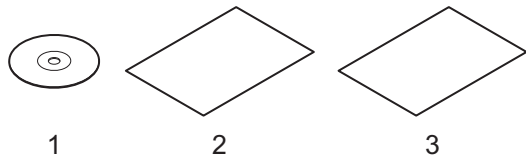
# Card ID padding setting
[Padding\CardId]
Pre=@@@
Post=\\

```

[26] MX-AMX1 (APPLICATION INTEGRATION MODULE)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	2
2	MX-AMX1 GETTING STARTED GUIDE	1
3	Sharpdesk license kit Operation Manual	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

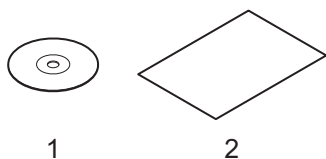
B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[27] BP-AM10 (APPLICATION COMMUNICATION MODULE)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	1
2	Operation manual	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

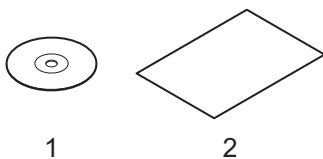
B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[28] BP-AM11 (EXTERNAL ACCOUNT MODULE)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	1
2	Operation manual	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

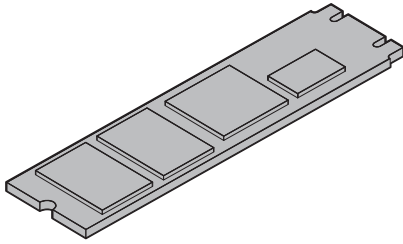
B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[29] BP-SD10 (HIGH CAPACITY SSD)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	SSD	1

2. Installation

A. Data backup

Important

When installing SSD to a machine which has been used by user, backup procedure of the data must be performed.

Data restore must be performed after installing SSD.

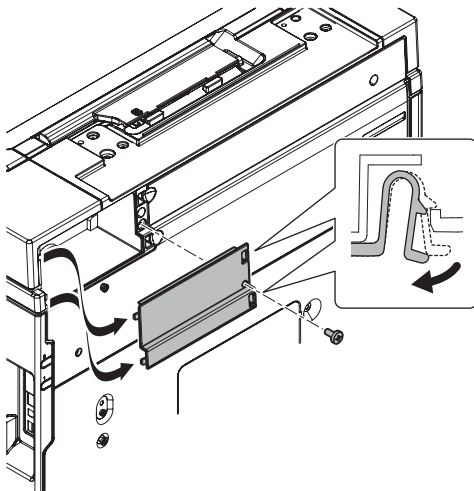
When installing SSD to a machine which has not been used, this step is not required.

- 1) SIM56-2 to backup data into USB memory.
Insert USB memory to machine.
Select [EEPROM&ICU DRIVE EXPORT] and tap [EXECUTE] key and [YES] key.
- 2) Select [STORAGE EXPORT] and tap [EXECUTE] key and [YES] key.
- 3) SIM66-62 to backup image data.
- 4) Enter SIM62-1 and select [ALL AREA] to erase data on SSD.

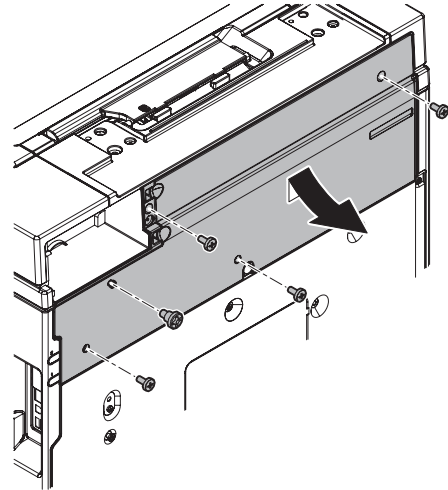
B. SSD installation

Wear an earth band.

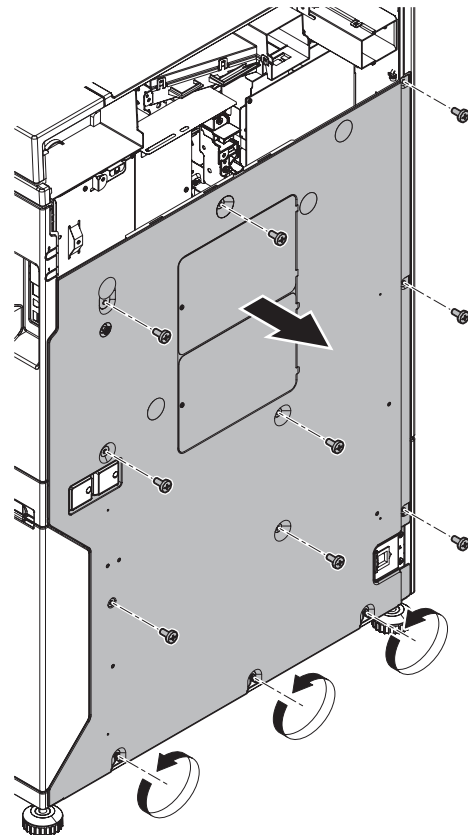
- 1) Remove the screw and remove the rear cabinet upper cover.



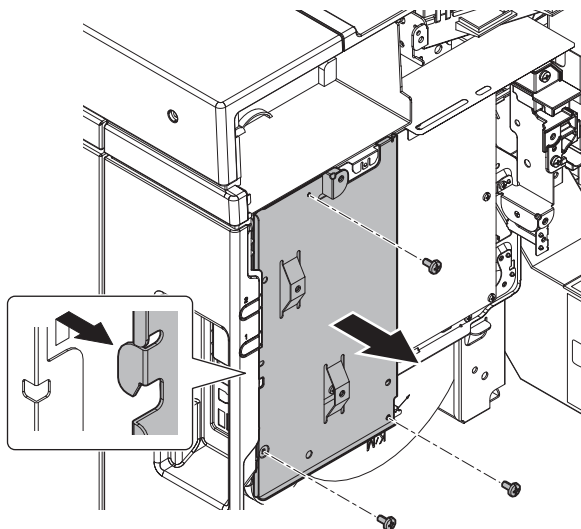
- 2) Remove the screws and remove the rear cabinet upper.



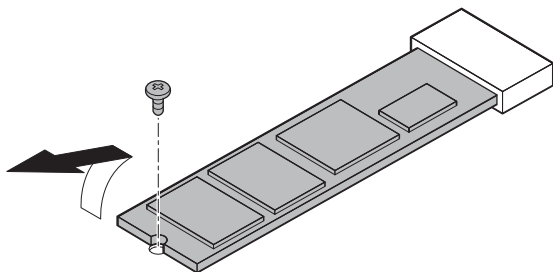
- 3) Loosen the screws in the lowest part of rear cabinet. Remove the screws and remove the rear cabinet.



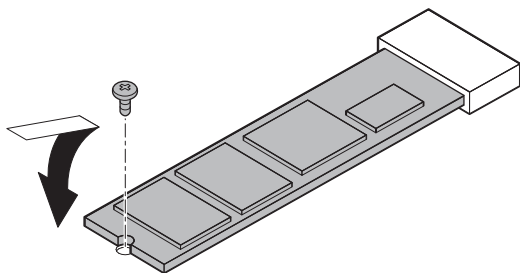
- 4) Remove the screws and the cover.



- 5) Remove screw and SSD.



- 6) Install SSD and secure it with screw.

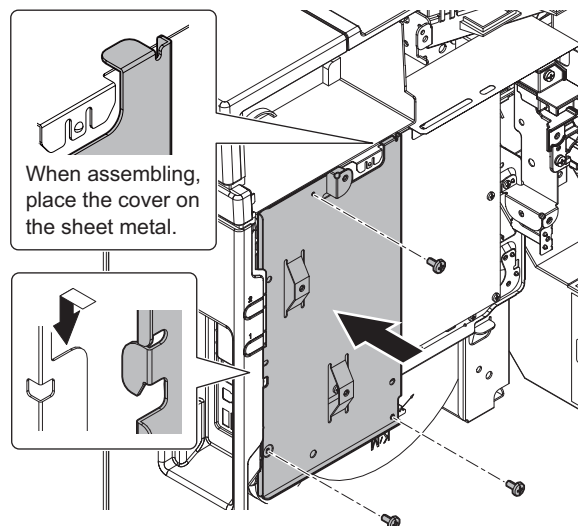


C. Data restore

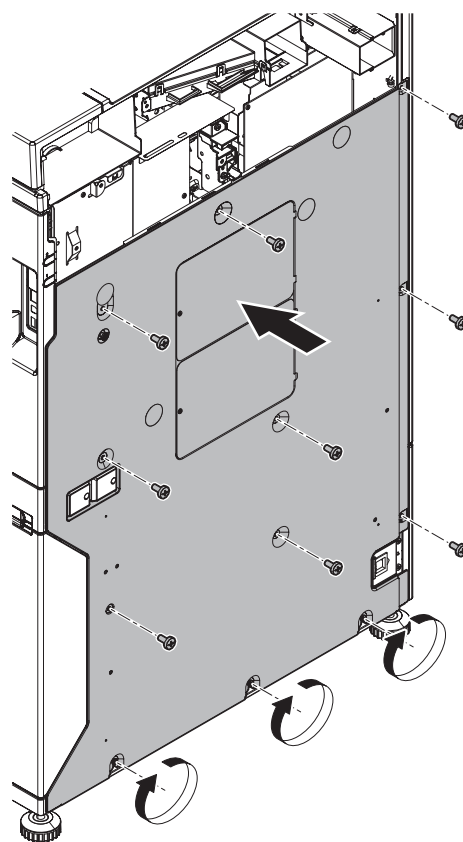
- 1) SIM56-2 to restore data from USB memory.
Insert USB memory to machine.
Select [EEPROM&ICU DRIVE IMPORT] and tap [EXECUTE] key and [YES] key.
- 2) Select [STORAGE IMPORT] and tap [EXECUTE] key and [YES] key.

D. Operation check

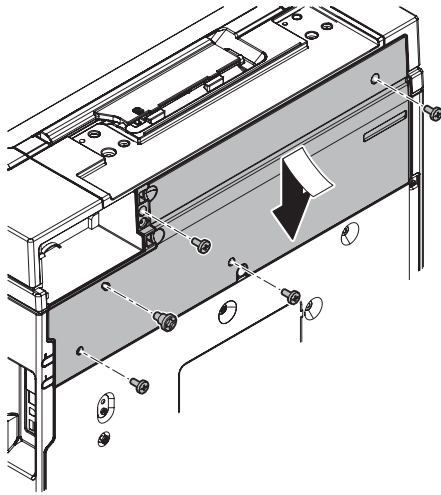
- 1) Attach the cover.



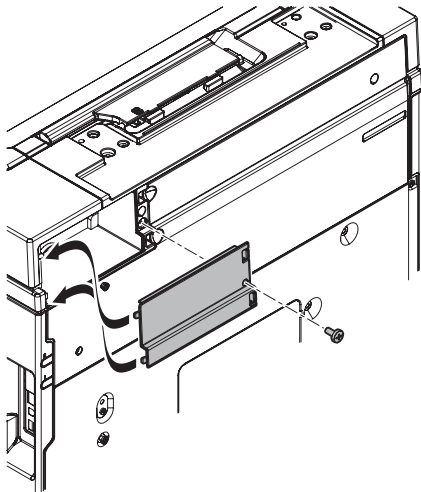
- 2) Attach the rear cabinet.



- 3) Attach the rear cabinet upper.



- 4) Attach the rear cabinet upper cover.

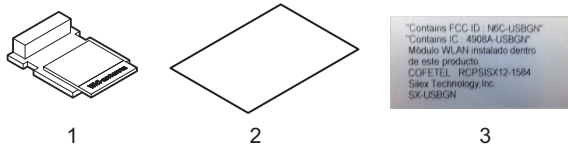


- 5) Enter SIM22-10 and check storage capacity.

[30] BP-EB10 (WIRRESS LAN ADAPTOR)

1. Unpacking

A. Check the packed items



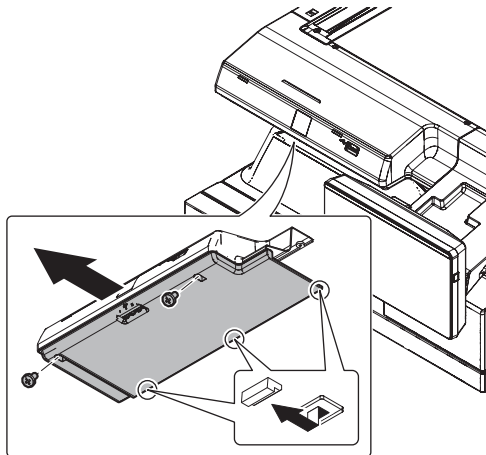
No.	Name	Quantity
1	WIRELESS LAN ADAPTOR	1
2	Safety guide	1
3	ID indication label (For North America)	1

2. Installation

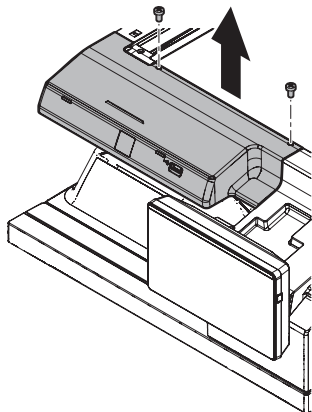
NOTE: Before installation, be sure to operation panel switch off and then main power switch off and disconnect the power plug from the power outlet. And, disconnect the LAN cable and do not connect the USB adaptor after installing the wireless LAN. Perform the appropriate action for the customer not to connect the LAN cable.

A. External fixture removal

- 1) Remove the screws and remove the upper cabinet cover.

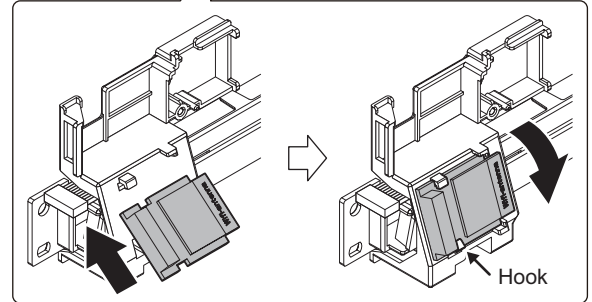
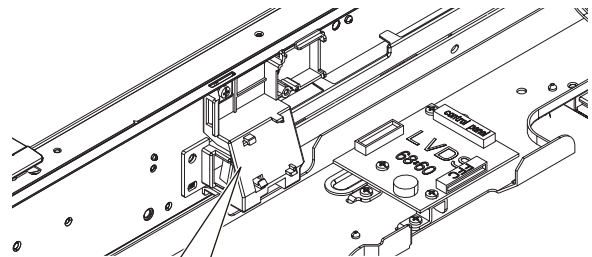


- 2) Remove the screws and remove the upper cabinet front left.

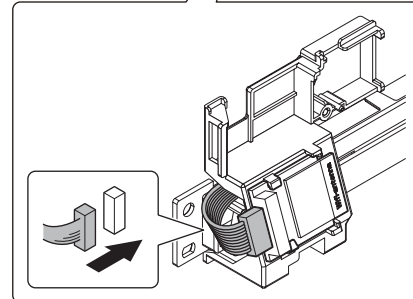
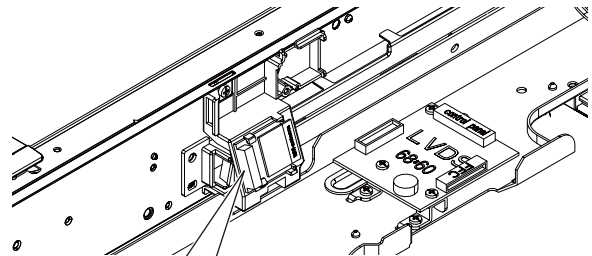


B. Attachment the WIRELESS LAN ADAPTOR

- 1) Attach the WIRELESS LAN ADAPTOR (Packed item No.1) to the USB PWB holder.

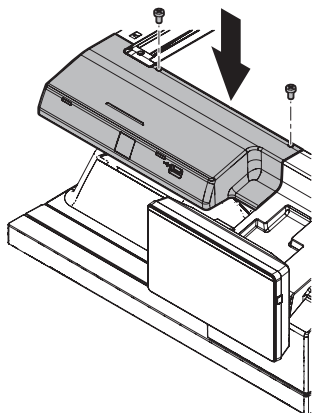


- 2) Connect the connector to the WIRELESS LAN ADAPTOR.

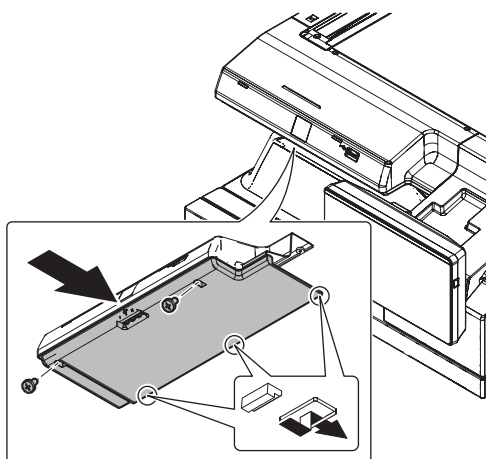


C. External fixture attachment

- 1) Attach the upper cabinet front left and fix the screws.

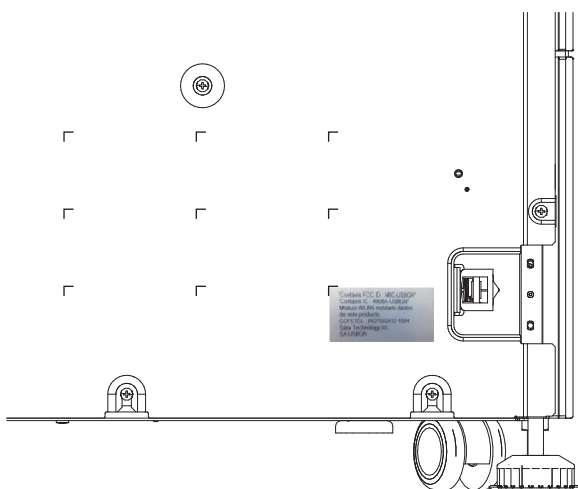


- 2) Attach the upper cabinet cover and fix the screws.



D. ID indication label attachment (North America only)

- 1) Attach the ID indication label like below.



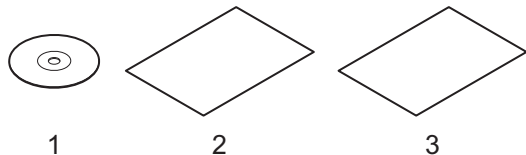
3. Change system setting

- 1) Enter the SIM26-50 and change [E. WIRELESS SET] from 0 to 1 to activate the wireless LAN setting.
- 2) Change the connection type to "Wireless (Infrastructure Mode)" or "Wired + Wireless (Ad-hoc Mode)" in the [SYSTEM SETTINGS] menu depending on the customer's environment.

[31] BP-VD10 (VIRUS DETECTION KIT)

1. Unpacking

A. Packed items check



No.	Name	Quantity
1	CD-ROM	2
2	Application number (Attach to product key sheet)	1
3	Product key sheet	1

2. Installation

A. Enable setting of functions

- 1) Enter the product key to enable the functions.
 - a) Enter the system setting mode.
 - b) The machine enters the product key input mode.
 - c) Enter the product key.
 - d) Press the registration key.
- 2) After completion of the product key input, turn OFF the power switch on the operation panel of the machine, and turn OFF the main power switch.
- 3) Turn ON the main power switch and the power switch on the operation panel.

B. Confirmation of function enable

Execute SIM22-10 (Machine configuration display) to check to confirm that the set functions are enable.

[32] Remote operation panel function Enable setting

1. General

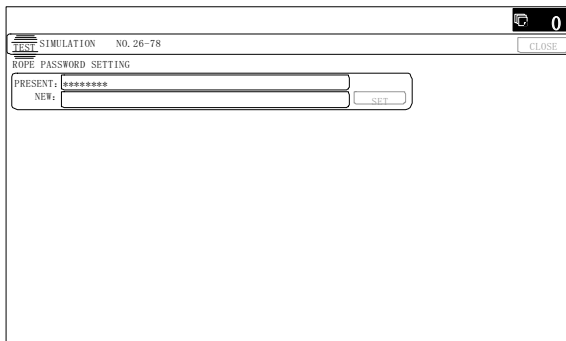
To use the remote operation panel function, the password for the remote operation panel function must be entered on the password input menu displayed on the VNC boot screen. Note that, therefore, the password must be set in advance to use the remote operation panel function.

Let the user make the password, and use SIM26-78 to set it.

MEMO: After installation of an option, upgrade all the firmware's to the latest versions.

2. Remote operation panel function password setting procedures

- 1) Enter the SIM26-78 mode.



- 2) Enter the password with 10-key. (Within 5 - 8 digits)
The entered password is displayed on the column of "NEW." To modify the entered password, use clear key to delete the password digit by digit.
- 3) Press [SET] key, and the password is set.

[33] Setting, Adjustments, Operation check

1. Firmware version check and version up

After installation of all the options to the machine, use SIM22-5 to check the version of each firmware. If it is not the latest version, upgrade it to the latest one.

2. Function and operation check

Check that the following operations are normal.

Check item list		Equipped condition
Key-in (operation panel)		
Display (operation panel)		
Paper feed operation	Hand feed	
	Main unit paper tray	
	Desk unit paper feed tray	With the desk unit installed
Paper size detection		
Originals size detection	Original table mode	
	SPF mode	
DSPF operation / two sided copy	S-S mode	
	D-S mode	
	S-D mode	
	D-D mode	
Bookbinding operation		When the finisher is installed
Stapling operation		When the finisher is installed
Grouping operation		When the finisher is installed
Sorting operation		When the finisher is installed
Paper exit operation		When the exit tray unit is installed

[34] Setup and adjustment data recording

Print the various setup data and the adjustment data (list) with SIM22-6(Data pattern NO.1 and NO.3) and keep the data.

- * In case of a memory trouble, if the data are not kept, all the adjustments must be made again.
- * If the data are kept, the setup values and the adjustment values can be entered without adjustments, shortening the servicing time.

[35] Necessary works before moving the machine

- 1) If the following options are installed, remove all of them from the machine.
 - * Large capacity tray
 - * Finisher
 - * Paper pass unit
 - * Saddle finisher
 - * Curl correction unit
 - * Inserter
 - * Holding unit
 - * Relay unit or Punch module

- 2) Remove the following consumable parts from the machine.
 - * Paper
 - * Toner cartridges
 - * Development cartridge

NOTE: When taking out DV cartridge from the main unit, the drum sleeve which is fit to the process unit needs to be removed once, but it must be remounted after taking out DV cartridge.

The drum will be damaged without this sleeve during the transportation.

- * Toner hopper
- 3) Lock the following sections.
 - * Scanner (Optical section)
 - * Paper cassette lift plate

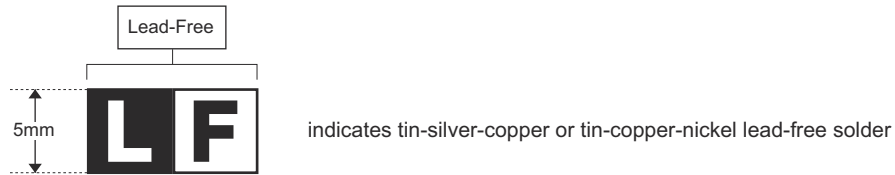
NOTE: Since the hard disk drive is built in the machine, use care not to exert vibrations or shocks to the machine when in transit.

NOTE: Raise the adjusters and the height adjustment bolts to the top.

LEAD-FREE SOLDER

The PWB's of this model employs lead-free solder. The "LF" marks indicated on the PWB's and the Service Manual mean "Lead-Free" solder.

Example:



(1) NOTE FOR THE USE OF LEAD-FREE SOLDER THREAD

When repairing a lead-free solder PWB, use lead-free solder thread.

Never use conventional lead solder thread, which may cause a breakdown or an accident.

Since the melting-point of lead-free solder thread is about 40°C higher than that of conventional lead solder thread, the use of the exclusive-use soldering iron is recommended.

(2) NOTE FOR SOLDERING WORK

Since the melting-point of lead-free solder is about 220°C, which is about 40°C higher than that of conventional lead solder, and its soldering capacity is inferior to conventional one, it is apt to keep the soldering iron in contact with the PWB for longer time. This may cause land separation or may exceed the heat-resistive temperature of components. Use enough care to separate the soldering iron from the PWB when completion of soldering is confirmed.

Since lead-free solder includes a greater quantity of tin, the iron tip may corrode easily. Turn ON/OFF the soldering iron power frequently.

If different-kind solder remains on the soldering iron tip, it is melted together with lead-free solder. To avoid this, clean the soldering iron tip after completion of soldering work.

If the soldering iron tip is discolored black during soldering work, clean and file the tip with steel wool or a fine filer.

CAUTION FOR BATTERY REPLACEMENT

(Danish)

ADVARSEL !

Lithiumbatteri – Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri

af samme fabrikat og type.

Levér det brugte batteri tilbage til leverandoren.

(English)

Caution !

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type

recommended by the manufacturer.

Dispose of used batteries according to manufacturer's instructions.

(Finnish)

VAROITUS

Paristo voi räjähtää, jos se on virheellisesti asennettu.

Vaihda paristo ainoastaan laitevalmistajan suosittelemaan

tyyppiin. Hävitä käytetty paristo valmistajan ohjeiden

mukaisesti.

(French)

ATTENTION

Il y a danger d'explosion s' il y a remplacement incorrect

de la batterie. Remplacer uniquement avec une batterie du

même type ou d'un type équivalent recommandé par

le constructeur.

Mettre au rebut les batteries usagées conformément aux

instructions du fabricant.

(Swedish)

VARNING

Explosionsfara vid felaktigt batteribyte.

Använd samma batterityp eller en ekvivalent

typ som rekommenderas av apparattillverkaren.

Kassera använt batteri enligt fabrikantens

instruktion.

(German)

Achtung

Explosionsgefahr bei Verwendung inkorrektter Batterien.

Als Ersatzbatterien dürfen nur Batterien vom gleichen Typ oder

vom Hersteller empfohlene Batterien verwendet werden.

Entsorgung der gebrauchten Batterien nur nach den vom

Hersteller angegebenen Anweisungen.

CAUTION FOR BATTERY DISPOSAL

(For USA, CANADA)

"BATTERY DISPOSAL"

THIS PRODUCT CONTAINS A LITHIUM PRIMARY
(MANGANESE DIOXIDE) MEMORY BACK-UP BATTERY
THAT MUST BE DISPOSED OF PROPERLY. REMOVE THE
BATTERY FROM THE PRODUCT AND CONTACT YOUR
LOCAL ENVIRONMENTAL AGENCIES FOR INFORMATION
ON RECYCLING AND DISPOSAL OPTIONS.

"TRAITEMENT DES PILES USAGÉES"

CE PRODUIT CONTIENT UNE PILE DE SAUVEGARDE DE
MÉMOIRE LITHIUM PRIMAIRE (DIOXYDE DE MANGANESE)
QUI DOIT ÊTRE TRAITÉE CORRECTEMENT. ENLEVEZ LA
PILE DU PRODUIT ET PRENEZ CONTACT AVEC VOTRE
AGENCE ENVIRONNEMENTALE LOCALE POUR DES
INFORMATIONS SUR LES MÉTHODES DE RECYCLAGE ET
DE TRAITEMENT.



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