

# Installation Procedure

## **iR7105/7095/7086 Series**

**Canon**



## Application

This manual has been issued by Canon Inc. for qualified persons to learn technical theory, installation, maintenance, and repair of products. This manual covers all localities where the products are sold. For this reason, there may be information in this manual that does not apply to your locality.

## Corrections

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## Caution










Use of this manual should be strictly supervised to avoid disclosure of confidential information.

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## Symbols Used

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This documentation uses the following symbols to indicate special information:

Symbol	Description
	Indicates an item of a non-specific nature, possibly classified as Note, Caution, or Warning.
	Indicates an item requiring care to avoid electric shocks.
	Indicates an item requiring care to avoid combustion (fire).
	Indicates an item prohibiting disassembly to avoid electric shocks or problems.
	Indicates an item requiring disconnection of the power plug from the electric outlet.
 Memo	Indicates an item intended to provide notes assisting the understanding of the topic in question.
 REF.	Indicates an item of reference assisting the understanding of the topic in question.
	Provides a description of a service mode.
	Provides a description of the nature of an error indication.

The following rules apply throughout this Service Manual:

1. Each chapter contains sections explaining the purpose of specific functions and the relationship between electrical and mechanical systems with reference to the timing of operation. In the diagrams,  represents the path of mechanical drive; where a signal name accompanies the symbol, the arrow  indicates the direction of the electric signal. The expression "turn on the power" means flipping on the power switch, closing the front door, and closing the delivery unit door, which results in supplying the machine with power.
2. In the digital circuits, '1' is used to indicate that the voltage level of a given signal is "High", while '0' is used to indicate "Low". (The voltage value, however, differs from circuit to circuit.) In addition, the asterisk (\*) as in "DRMD\*" indicates that the DRMD signal goes on when '0'.

In practically all cases, the internal mechanisms of a microprocessor cannot be checked in the field. Therefore, the operations of the microprocessors used in the machines are not discussed: they are explained in terms of from sensors to the input of the DC controller PCB and from the output of the DC controller PCB to the loads.

The descriptions in this Service Manual are subject to change without notice for product improvement or other purposes, and major changes will be communicated in the form of Service Information bulletins.

All service persons are expected to have a good understanding of the contents of this Service Manual and all relevant Service Information bulletins and be able to identify and isolate faults in the machine."



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# Chapter 1 Installation Procedure

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## 1.1 Making Pre-Checks

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### 1.1.1 Points to Note Before Starting the Installation Work

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- 1) Moving a machine from a cold to warm place can cause condensation, in which drops of water form on metal surfaces, leading to image faults if used as they are.  
If the machine has just been brought from a cold place, leave it alone for 1 hr or more without unpacking so that it becomes used to the room temperature.
  - 2) When moving the machine to/from the user's, be sure to take note of the following if the move involves the use of stairs:
    - a. before starting to move, remove the ADF assembly, fixing transport assembly, intermediate tray assembly, and copy paper; move them separately from the machine body.
    - b. when lifting the machine, do not use the grips found on the pickup and delivery assemblies; instead, support the machine at its 4 bottom corners.
  - 3) Check to be sure that the 2 adjusters (front) found on the bottom of the machine are shifted up and are unlocked.  
Also, take care that the adjusters will not fall out during the move.
  - 4) Be sure to work in a group of 4 when installing the machine. Particularly when removing the pad, have one person stand at the rear and another at the front holding one grip each and tilting the machine; another person then may remove the pad with the remaining person supporting the machine for safety.
  - 5) All accessories (e.g., side paper deck, finisher, paper feeding unit) must be removed from the machine to prevent damage before moving the machine into or out of the user's.
- 

### 1.1.2 Points to Note Before Starting the Installation Work

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iR7095P / /

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- 1) Moving a machine from a cold to warm place can cause condensation, in which drops of water form on metal surfaces, leading to image faults if used as they are.  
If the machine has just been brought from a cold place, leave it alone for 1 hr or more without unpacking so that it becomes used to the room temperature.
- 2) When moving the machine to/from the user's, be sure to take note of the following if the move involves the use of stairs:
  - a. before starting to move, remove the fixing transport assembly, intermediate tray assembly, and copy paper; move them separately from the machine body.
  - b. when lifting the machine, do not use the grips found on the pickup and delivery assemblies; instead, support the

machine at its 4 bottom corners.

- 3) Check to be sure that the 2 adjusters (front) found on the bottom of the machine are shifted up and are unlocked. Also, take care that the adjusters will not fall out during the move.
- 4) Be sure to work in a group of 4 when installing the machine. Particularly when removing the pad, have one person stand at the rear and another at the front holding one grip each and tilting the machine; another person then may remove the pad with the remaining person supporting the machine for safety.
- 5) All accessories (e.g., side paper deck, finisher, paper feeding unit) must be removed from the machine to prevent damage before moving the machine into or out of the user's.

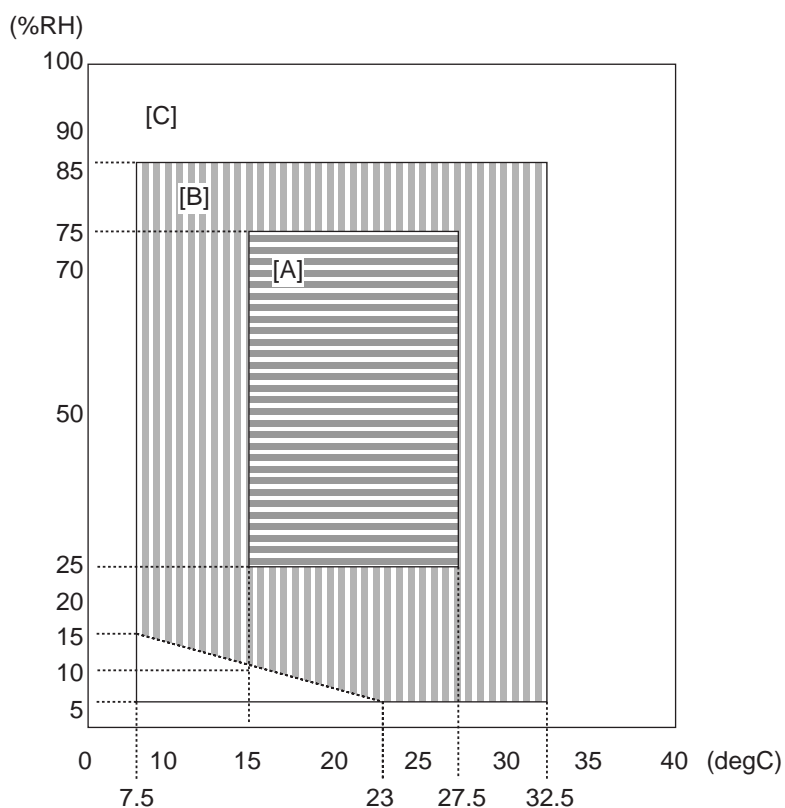
### 1.1.3 Selecting the Site of Installation

0010-8936

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The site of installation must meet the following requirements, and it is a good idea to visit the user's before delivery of the machine:

- 1) There must be a properly grounded source of power that may be used exclusively by the machine: for the 100V model, 90 to 110 V, 15 A or more; for the 200V model, 180 to 220 V, 15 A or more; for the 208V model, 188 to 228 V, 12 A or more; for the 230V model, 198 to 264 V, 13 A or more.
- 2) The temperature and the humidity of the site must be as follows, and the machine must not be installed near a water faucet, water boiler, humidifier, or refrigerator:



F-1-1

<Site Environment Classification>

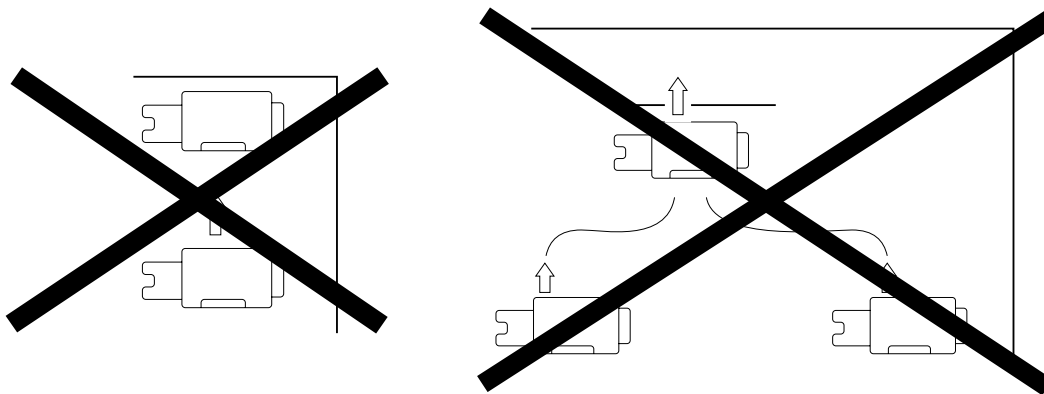
[A]: zone A; a site that satisfies all requirements imposed by quality standards.

[B]: zone B; a site that may fail to satisfy some of the requirements imposed by quality standards as fully as a site in zone A. Some of the items may not be applicable to the site.

[C]: zone C: a site free from concerns, malfunctions, and wrong indications that can affect safety, permitting normal machine operation.

- 3) The machine must not be installed near a source of fire or in an area subject to dust or ammonium gas. If the area is subject to direct rays of the sun, there must be shades or curtains to block the rays.
- 4) The level of ozone generated by the machine is not likely to affect the health of the individuals around it. Some, nevertheless, may find the odor rather unpleasant, and it is important that the room be well ventilated.
- 5) The machine's feet must be in contact with the floor, and the machine must remain level.
- 6) There must be enough space around the machine for printing work. (See the installation space.)
- 7) Be sure the area is well ventilated.

If multiple machines exist, it is important to make sure that the exhaust from another machine will not be drawn into the machine. Also, the machine must not be installed near the air vent of the room.



F-1-2

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**MEMO:**

In general, the silicon gas (vapor of silicone oil from the fixing assembly) tends to soil the corona charging wire, reducing its life. This is particularly true of a low humidity environment.)

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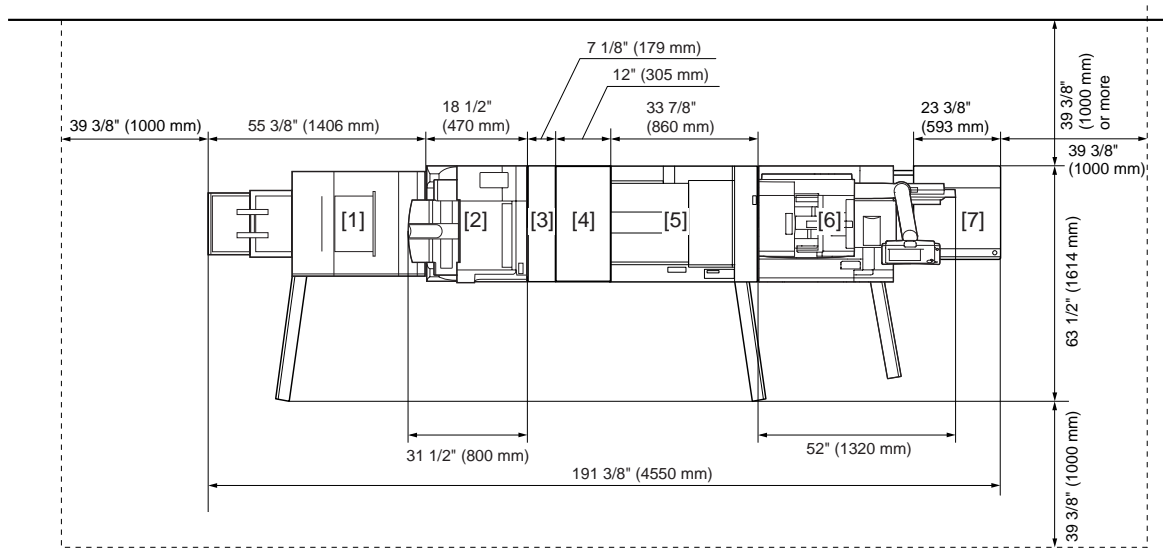
### 1.1.4 Installation Space

0011-6508

iR7105 / iR7095 / iR7086

**Diagram of the Work Space**

There must be enough space around the machine. The following diagram shows the minimum dimensions; whenever possible, be sure there will be more space than indicated:



F-1-3

- [1] Trimmer
- [2] Finisher/Saddle Finisher
- [3] Paper Folding Unit
- [4] High Capacity Stacker
- [5] PRO.Puncher
- [6] Host Machine
- [7] Side Paper Decik

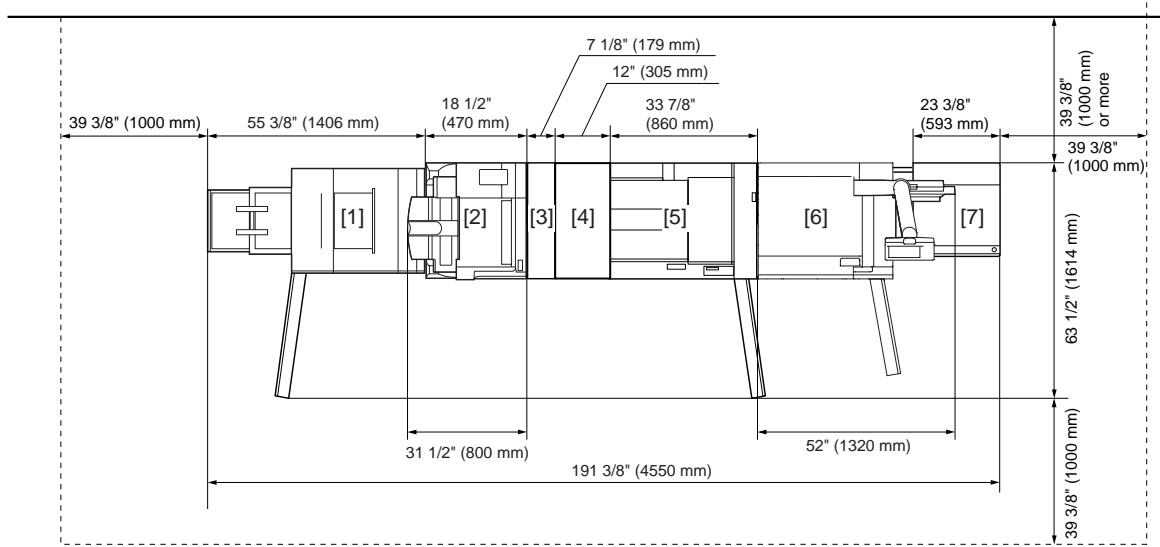
### 1.1.5 Installation Space

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iR7095P

#### Diagram of the Work Space

There must be enough space around the machine. The following diagram shows the minimum dimensions; whenever possible, be sure there will be more space than indicated:



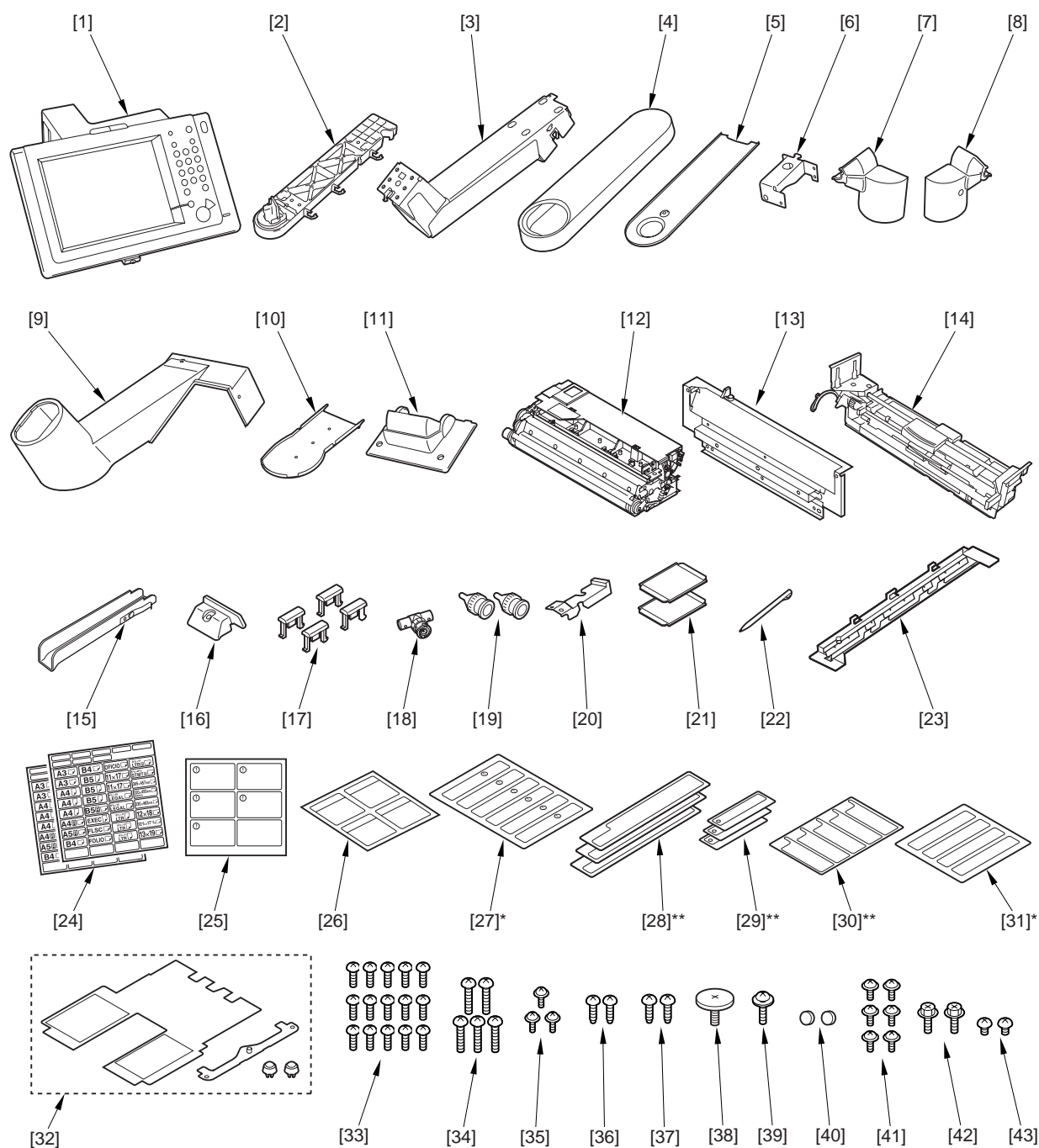
F-1-4

- [1] Trimmer
- [2] Finisher/Saddle Finisher
- [3] Paper Folding Unit
- [4] High Capacity Stacker
- [5] PRO.Puncher
- [6] Host Machine
- [7] Side Paper Decik

### 1.1.6 Checking the Contents

0011-6919

iR7105 / iR7095 / iR7086



F-1-5

[1]	Control panel	1 pc.	[23]	Included Delivery Guide	1 pc.
[2]	Arm unit	1 pc.	[24]	Cassette size label	2 pc.
[3]	Control panel arm unit	1 pc.	[25]	Shut-down instructions label	1 pc.
[4]	Arm cover 1	1 pc.	[26]	3-hole paper placement label	1 pc.

[5]	Arm cover 4	1 pc.	[27]*	Cleaning Position label	1 pc.
[6]	Cover support plate	1 pc.	[28]**	Cleaning Instructions label	3 pc.
[7]	Lock hinge cover R	1 pc.	[29]**	Lamp Warning label	3 pc.
[8]	Lock hinge cover L	1 pc.	[30]**	Manual Feeder Set label	1 pc.
[9]	Arm cover 2	1 pc.	[31]*	Original Size label	1 pc.
[10]	Arm cover 3	1 pc.	[32]	Index paper attachment	1 pc.
[11]	Hinge slide cover	1 pc.	[33]	Screw (binding; M4X10)	15 pc.
[12]	Developing assembly	1 pc.	[34]	Screw (binding; M4X14)	5 pc.
[13]	Developing assembly locking unit	1 pc.	[35]	Screw (binding; M3X6; white)	3 pc.
[14]	Pull-off unit	1 pc.	[36]	Screw (P tightening; M3X10)	2 pc.
[15]	Grip	1 pc.	[37]	Screw (P tightening; M4X10)	2 pc.
[16]	Left deck locking plate	1 pc.	[38]	Flat-head screw (M4X10)	1 pc.
[17]	Inch-stop roll	4 pc.	[39]	Screw (W sems; M4X12)	1 pc.
[18]	T-shaped connector	1 pc.	[40]	Cover rubber (for M3)	2 pc.
[19]	Coaxial connector	2 pc.	[41]	Screw (TP; M4X6 black)	6 pc.
[20]	Connector cover	1 pc.	[42]	Screw (RS tightening; M4X10)	2 pc.
[21]	Size plate	2 pc.	[43]	Screw (binding; M3X4)	2 pc.
[22]	Touch pen	1 pc.			

\* iR7086 onry

\*\* iR7015/7095 onry

Check the contents (User's Manual, CD, and others) against the following tables:

Manual CD-ROM

User's Guide

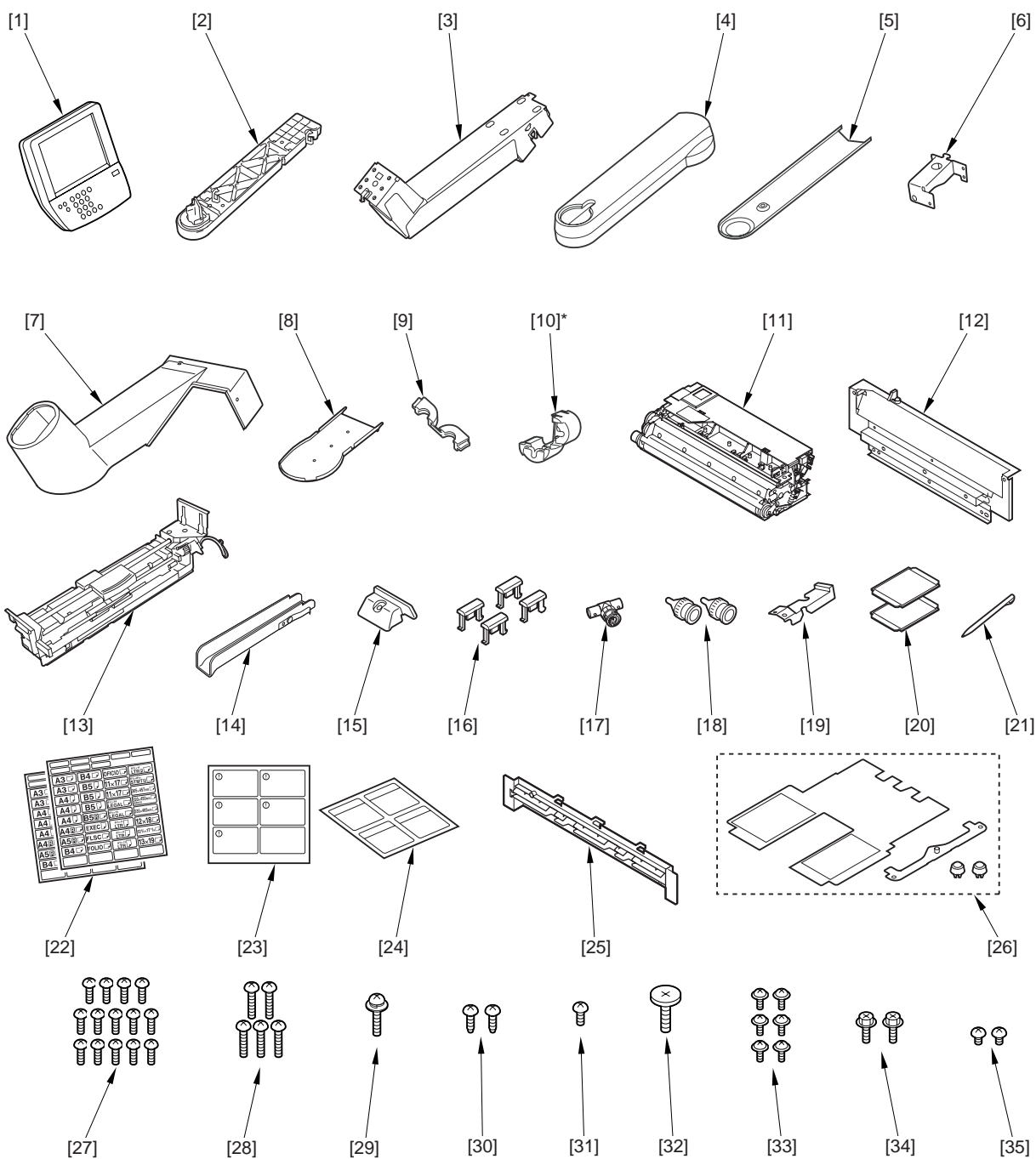
MEAP Administration CD-ROM

## 1.1.7 Checking the Contents

0012-5858

iR7095P





F-1-6

[1]	Control panel	1 pc.	[19]	Connector cover	1 pc.
[2]	Arm unit	1 pc.	[20]	Size plate	2 pc.
[3]	Control panel arm unit	1 pc.	[21]	Touch pen	1 pc.
[4]	Arm cover	1 pc.	[22]	Cassette size label	2 pc.
[5]	Arm lower cover	1 pc.	[23]	Shut-down instructions label	1 pc.
[6]	Cover support plate	1 pc.	[24]	3-hole paper placement label	1 pc.
[7]	Arm cover 2	1 pc.	[25]	Included Delivery Guide	1 pc.
[8]	Arm cover 3	1 pc.	[26]	Index paper attachment	1 pc.
[9]	Cable guide	1 pc.	[27]	Screw (binding; M4X10)	14 pc.
[10]*	Ferrite core (230 V only)	1 pc.	[28]	Screw (binding; M4X14)	5 pc.
[11]	Developing assembly	1 pc.	[29]	Screw (W sems; M4X12)	1 pc.
[12]	Developing assembly locking unit	1 pc.	[30]	Screw (P tightening; M4X10)	2 pc.
[13]	Pull-off unit	1 pc.	[31]	Screw (binding; M4X6)	1 pc.
[14]	Grip	1 pc.	[32]	Flat-head screw (M4X10)	1 pc.
[15]	Left deck locking plate	1 pc.	[33]	Screw (TP; M4X6; black)	6 pc.
[16]	Inch-stop roll	4 pc.	[34]	Screw (RS tightening; M4X10)	2 pc.
[17]	T-shaped connector	1 pc.	[35]	Screw (binding; M3X4)	2 pc.
[18]	Coaxial connector	2 pc.			

Check the contents (User's Manual, CD, and others) against the following tables:

	<b>USA</b>	<b>EUR</b>	<b>AUS</b>
Reference Guide	yes		yes
Mail Box Guide	yes		
Copy Machine Warranty	yes		
Drum Unit Warranty	yes		
Registration Card	yes		
Installation Check List	yes		
iW DM Personal V4 (10L)	yes*		
Easy Operation Guide			yes
Users Guide		yes	
Copying/Mail Box Guide			yes

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	<b>USA</b>	<b>EUR</b>	<b>AUS</b>
Manual CD-ROM		yes	
MEAP Administration CD-ROM	yes	yes	yes
* USA [Merchandise Code: 0845B012AA] only			

## 1.1.8 Order of Installing Accessories

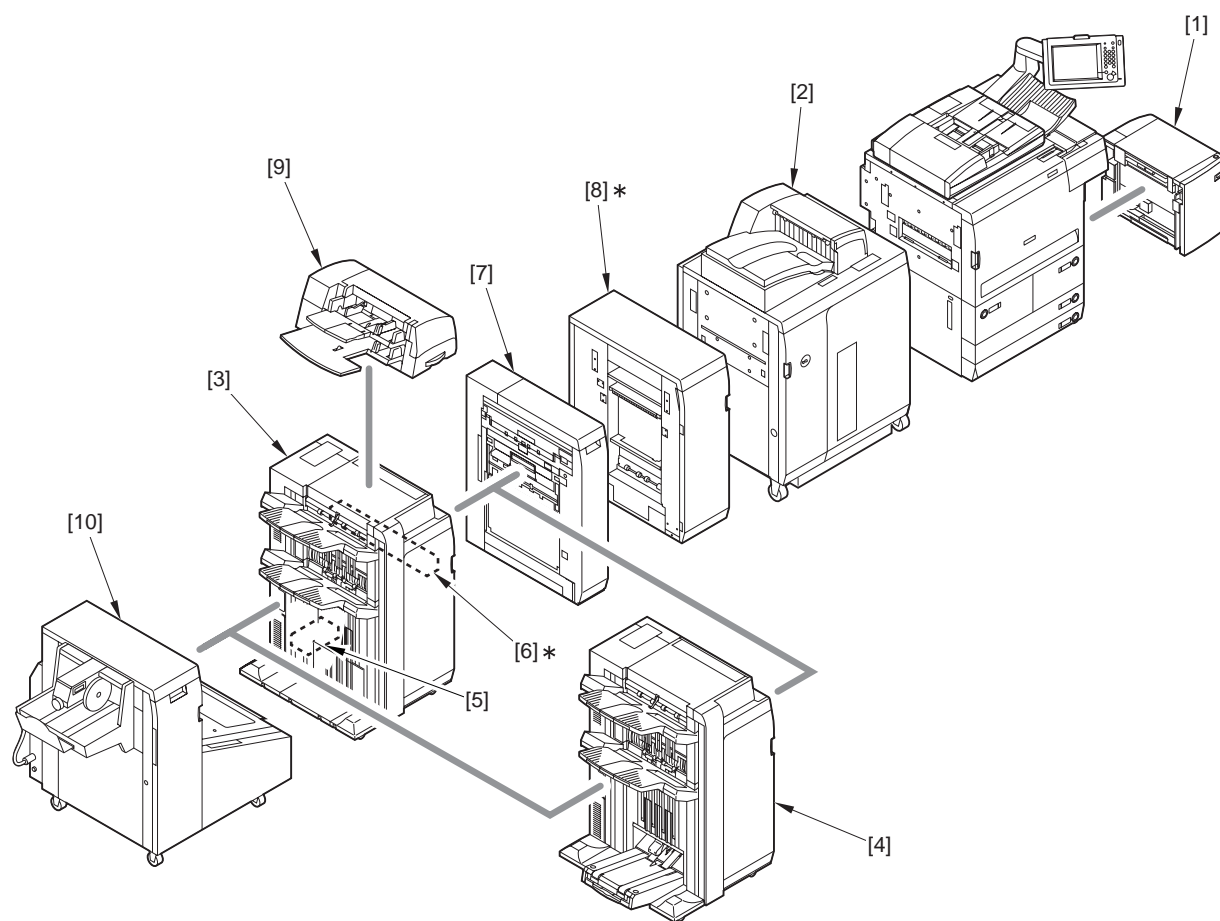
0011-6504

iR7105 / iR7095 / iR7086 /

If you are planning to install other accessories also, go through the following in the order indicated:

1. side paper deck [1] (See the Side Paper Deck Installation Procedure.)
2. high-capacity stacker [2] (See the high-Capacity Stacker Installation Procedure.)
3. finisher [3]/saddle finisher [4] (See the "Preparing the Finisher" in "Finisher/Saddle Finisher Installation Procedure".)
4. finisher accessories power supply unit [5] (See the Finisher Accessories Power Supply Unit Installation Procedure.)
5. inner puncher unit [6]\* (See the Puncher Unit Installation Procedure.)
6. paper folding unit [7] (See the Paper Folding Unit Installation Procedure.)
7. professional puncher (non-Japanese model only) [8]\* (See the Professional Puncher Installation Procedure.)
8. inserter [9] (See the Inserter Installation Procedure.)
9. trimmer [10] (See the Trimmer Installation Procedure.)

\* The inner puncher unit [6] and the professional puncher unit (non-Japanese model only) [8] cannot be installed as part of the same system.



F-1-7

## 1.1.9 Order of Installing Accessories

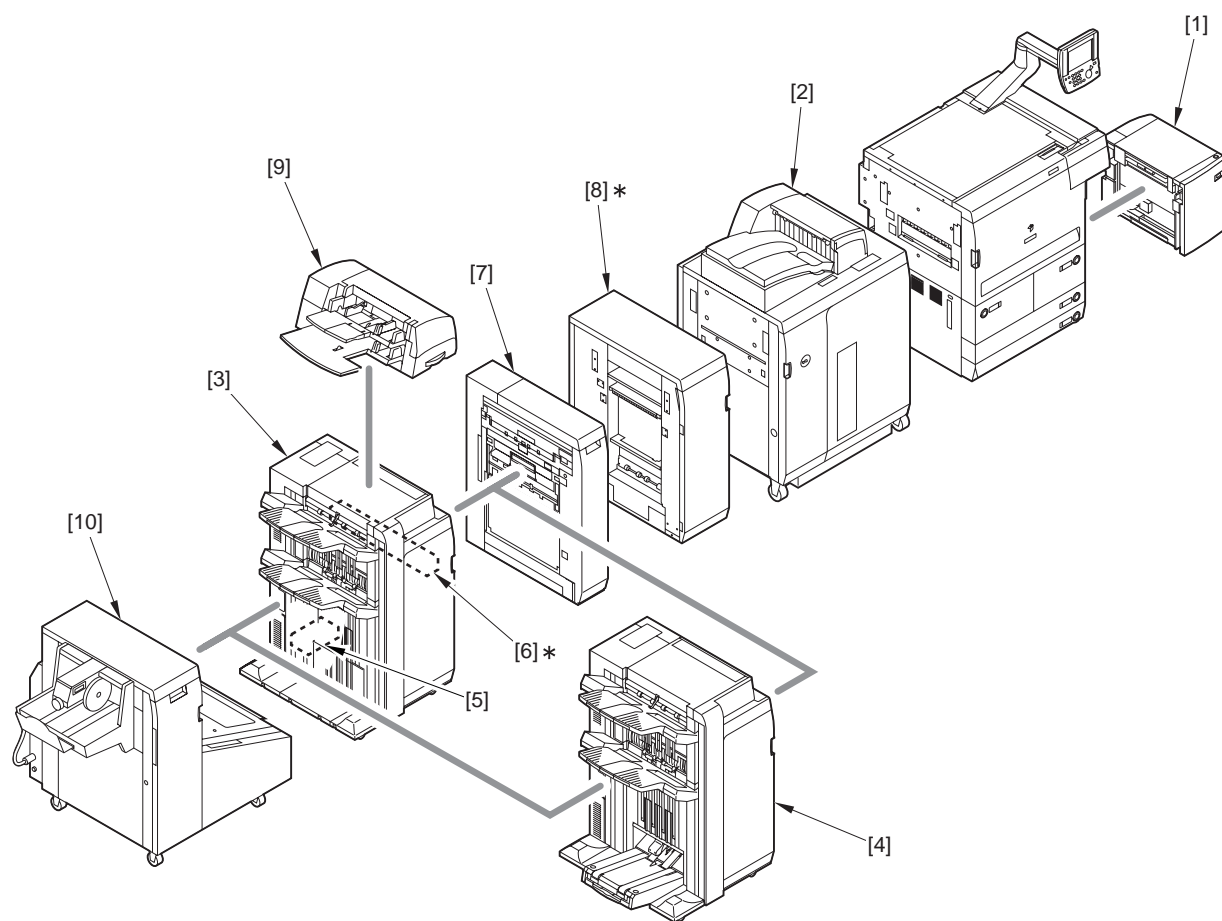
0012-2191

iR7095P / /

If you are planning to install other accessories also, go through the following in the order indicated:

1. side paper deck [1] (See the Side Paper Deck Installation Procedure.)
2. high-capacity stacker [2] (See the high-Capacity Stacker Installation Procedure.)
3. finisher [3]/saddle finisher [4] (See the "Preparing the Finisher" in "Finisher/Saddle Finisher Installation Procedure".)
4. finisher accessories power supply unit [5] (See the Finisher Accessories Power Supply Unit Installation Procedure.)
5. inner puncher unit [6]\* (See the Puncher Unit Installation Procedure.)
6. paper folding unit [7] (See the Paper Folding Unit Installation Procedure.)
7. professional puncher (non-Japanese model only) [8]\* (See the Professional Puncher Installation Procedure.)
8. inserter [9] (See the Inserter Installation Procedure.)
9. trimmer [10] (See the Trimmer Installation Procedure.)

\* The inner puncher unit [6] and the professional puncher unit (non-Japanese model only) [8] cannot be installed as part of the same system.



F-1-8





## 1.2 Unpacking and Installation

### 1.2.1 Points to Note When Turning On/Off the Main Power

0011-4949

iR7105 / iR7095 / iR7086 / iR7095P / / /

#### **▲ Turning Off the Main Power (host machine)**

Be sure to go through the following when turning off the main power to protect the hard disk:

1. Hold down the control panel power switch for 3 sec or more.
2. Go through the instructions on the shut-down sequence screen so that the main switch may be turned off.
3. Turn off the main power switch.
4. Disconnect the power cable (for the power outlet).

#### **▲ Order of Turning On/Off the Machines (host machine + accessories)**

If a delivery accessory (e.g., finisher) is installed, be sure to respect the following order when turning them on/off:

##### <Turning On the Power>

1. high-capacity stacker, finisher (either)
2. professional puncher (non-Japanese model only)
3. host machine

##### <Turning Off the Power>

1. host machine
2. high-capacity stacker, finisher (either)
3. professional puncher (non-Japanese only)

- Failure to observe the order of turning on the machines prevents the host machine from recognizing

the accessories.

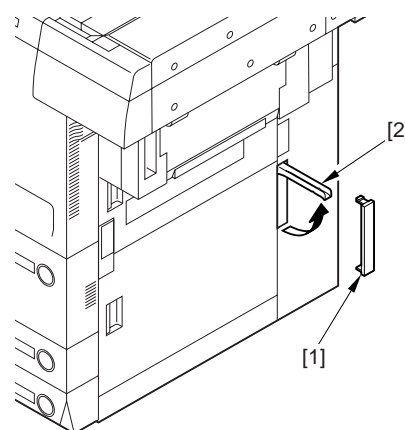
- Failure to observe the order of turning off the machines will lead to an error ('E730' or 'E503').

### 1.2.2 Unpacking

0010-8941

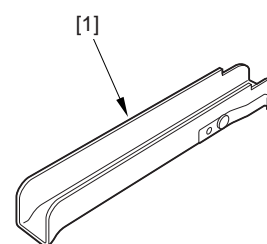
iR7105 / iR7095 / iR7086 /

- 1) Unpack the machine.  
Open the plastic bag.
- 2) Remove the grip cover (rear) [1] found on the right side of the machine using a flat-blade screwdriver, and shift up the grip [2] found at the rear.



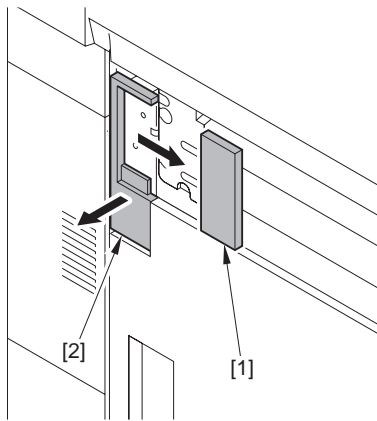
F-1-9

- 3) Take out the grip [1] from the contents box.

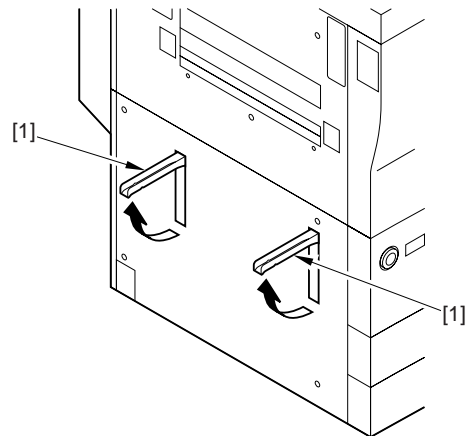


F-1-10

- 4) Open the upper right cover; slide the face cover (small) [1] toward the rear, and then detach the face cover (large) [2].

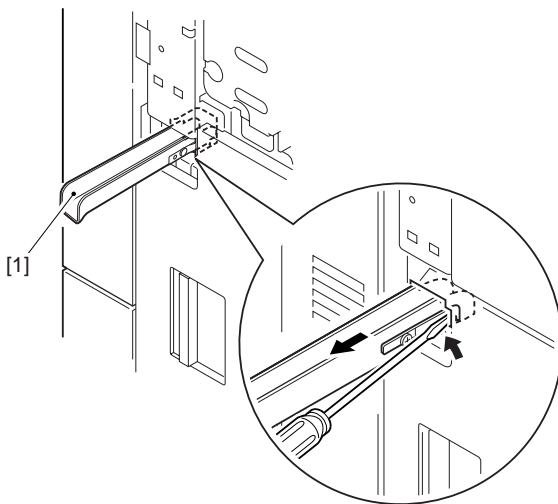


F-1-11



F-1-13

- 5) Insert the grip [1] taken out in step 3) into the machine at an angle while holding down the spring [2]; then, keep the grip in horizontal orientation so that the claw [3] is hooked on the plate at the rear.



F-1-12

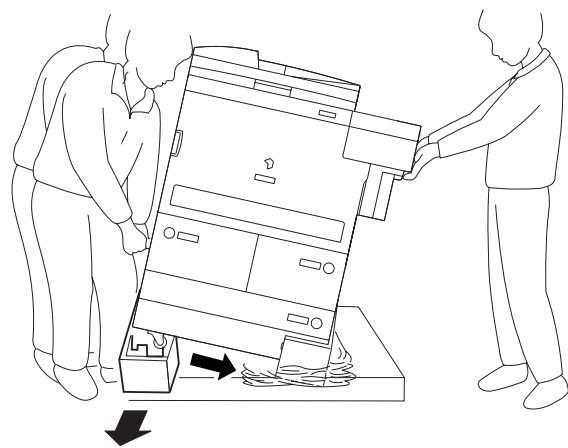
- 6) Close the upper right cover.  
7) Shift up the grip (front, rear) [1] found on the left side of the machine.



Be sure to go through steps 8) and 9) in correct sequence; otherwise, the machine can become displaced.

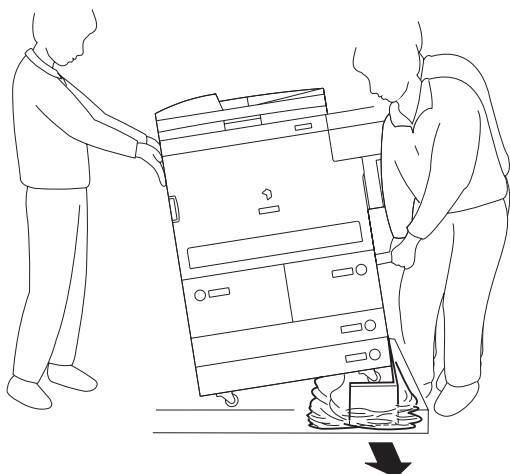
- 8) Holding the grips (front, rear) on the delivery side of the machine, lift the machine slightly to remove the pad.

At this time, put away the plastic bag toward the pad.



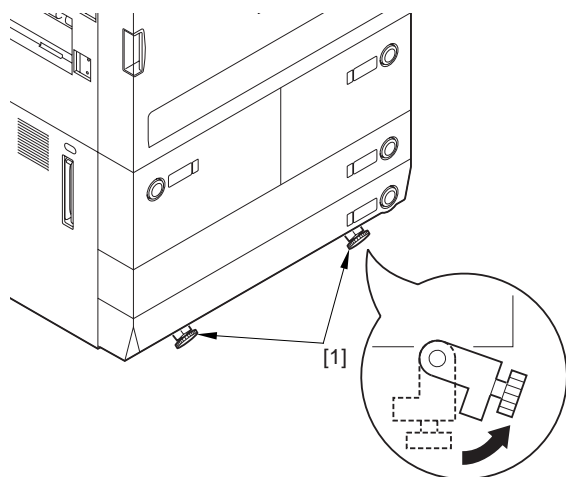
F-1-14

- 9) Holding the grips (front, rear) on the pickup side of the machine, lift the machine slightly, and remove the remaining pad and the plastic bag at the same time.



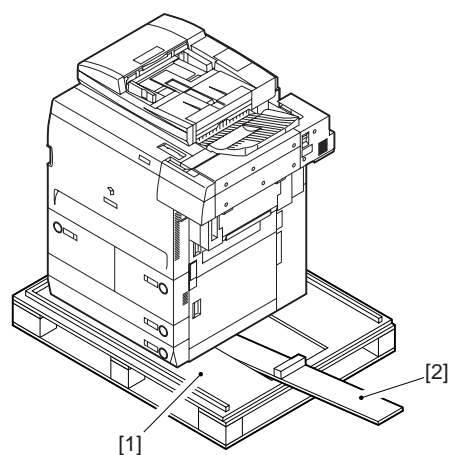
F-1-15

- 10) Shift the 2 adjusters (front) [1] found at the bottom of the machine so that they face upward, making sure that they are unlocked.



F-1-16

- 11) Take out the 2 slope plates [2] from the middle of the skid [1].

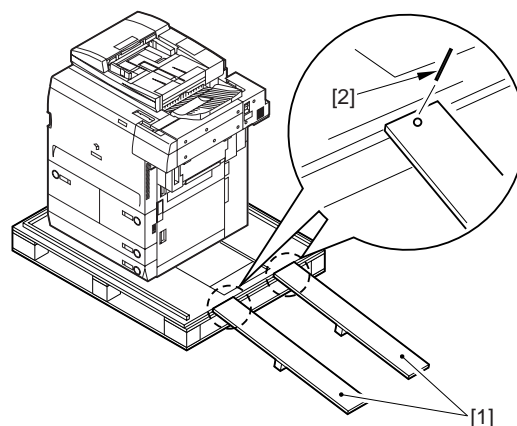


F-1-17

- 12) Remove the 2 pins [2] taped in place to the slope plate [1].

Turn over the slope plate [1], and match the pin hole of the skid and the pin hole of the slope plate; then, fit a pin [2] (1 pc. each) through the holes.

Holding the grips (front, rear) on the delivery side of the machine, move the machine off the skid by sliding it along the slope plates.



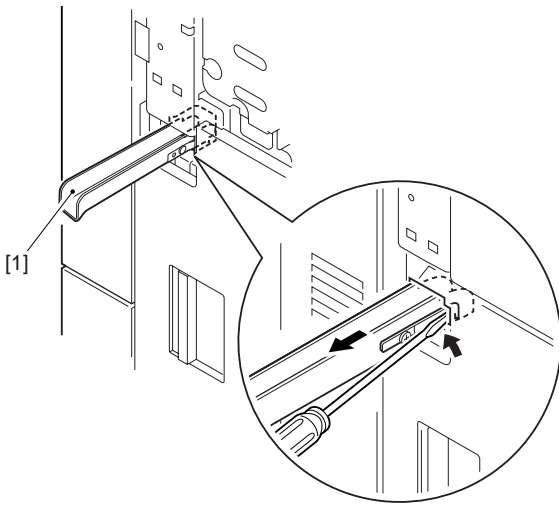
F-1-18

- 13) Remove the grip [1] fitted in step 5) while pushing the leaf spring with a flat-blade screwdriver.

### 1.2.3 Unpacking

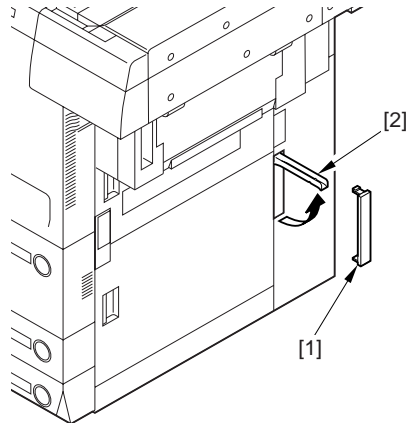
0012-2132

iR7095P / /



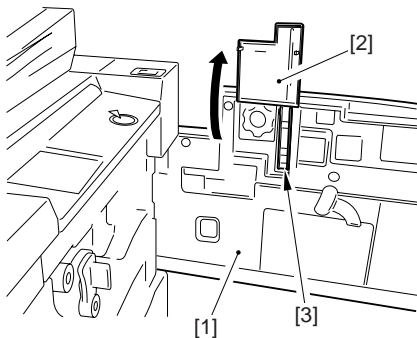
F-1-19

- 1) Unpack the machine.
- 2) Remove the grip cover (rear) [1] found on the right side of the machine using a flat-blade screwdriver, and shift up the grip [2] found at the rear.



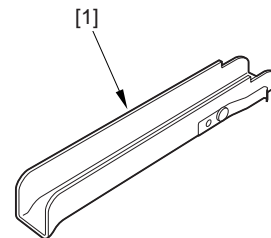
F-1-21

- 14) Remove the packing tape from the machine.
- 15) Open the front cover [1].
- 16) Open the compartment cover [2] found behind the front cover, and put in the grip [3] for storage.



F-1-20

- 3) Take out the grip [1] from the contents box.



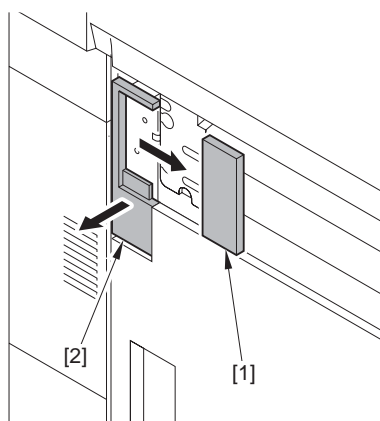
F-1-22

- 17) Open the upper right cover, and mount the face cover (small, large).
- 18) Close the upper right cover.

- 4) Open the upper right cover; slide the face cover (small) [1] toward the rear, and then detach the face cover (large) [2].

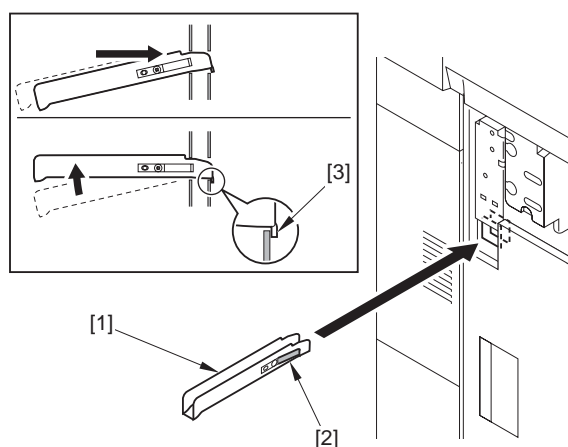


If condensation is found on the outside or inside of the machine at this point, stop the work and wait until the machine becomes fully used to the room temperature. Resume the work after making sure that the machine is free of condensation.



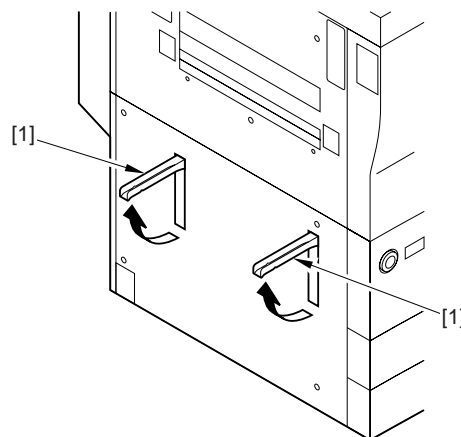
F-1-23

- 5) Insert the grip [1] taken out in step 3) into the machine at an angle while holding down the spring [2]; then, keep the grip in horizontal orientation so that the claw [3] is hooked on the plate at the rear.



F-1-24

- 6) Close the upper right cover.  
7) Shift up the grip (front, rear) [1] found on the left side of the machine.



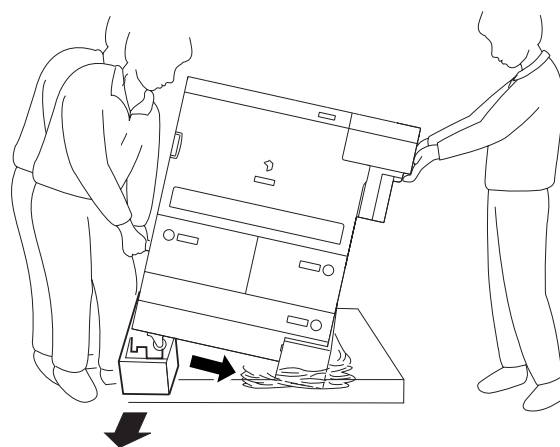
F-1-25



Be sure to go through steps 8) and 9) in correct sequence; otherwise, the machine can become displaced.

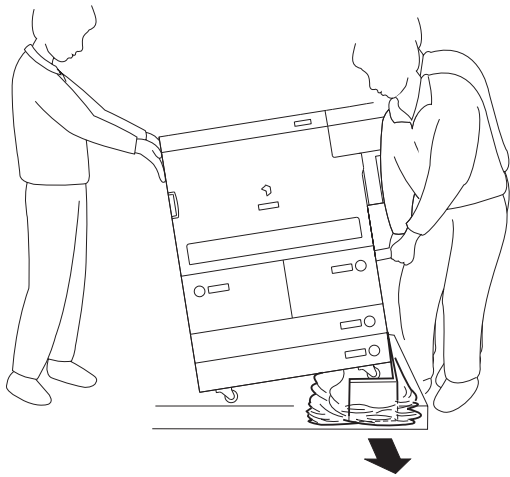
- 8) Holding the grips (front, rear) on the delivery side of the machine, lift the machine slightly to remove the pad.

At this time, put away the plastic bag toward the pad.



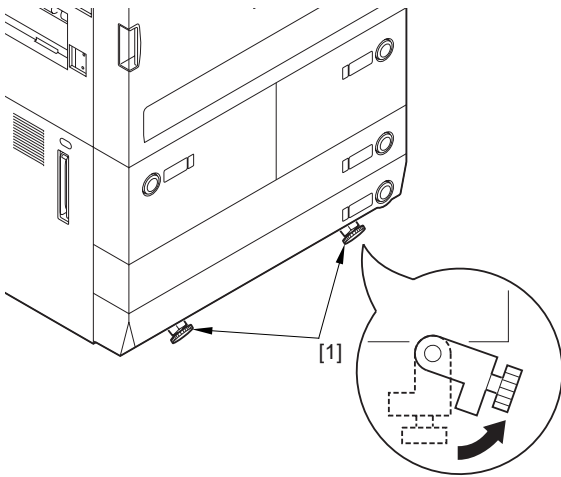
F-1-26

- 9) Holding the grips (front, rear) on the pickup side of the machine, lift the machine slightly, and remove the remaining pad and the plastic bag at the same time.



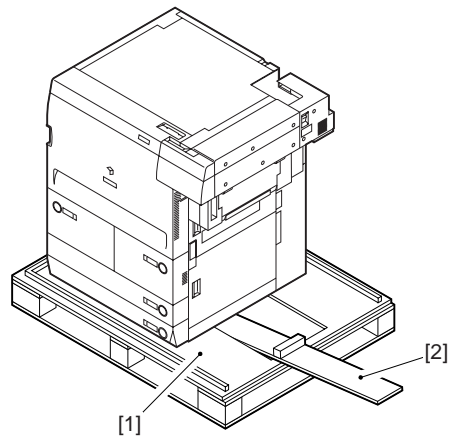
F-1-27

10) Shift the 2 adjusters (front) [1] found at the bottom of the machine so that they face upward, making sure that they are unlocked.



F-1-28

11) Take out the 2 slope plates [2] from the middle of the skid [1].

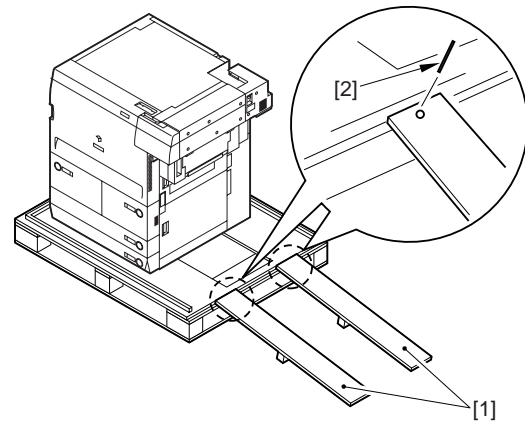


F-1-29

12) Remove the 2 pins [2] taped in place to the slope plate [1].

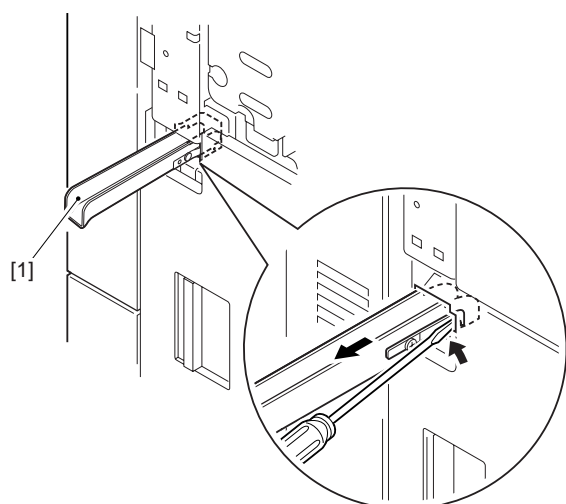
Turn over the slope plate [1], and match the pin hole of the skid and the pin hole of the slope plate; then, fit a pin [2] (1 pc. each) through the holes.

Holding the grips (front, rear) on the delivery side of the machine, move the machine off the skid by sliding it along the slope plates.



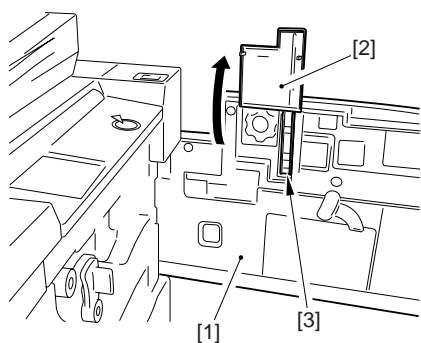
F-1-30

13) Remove the grip [1] fitted in step 5) while pushing the leaf spring with a flat-blade screwdriver.



F-1-31

- 14) Remove the packing tape from the machine.
- 15) Open the front cover [1].
- 16) Open the compartment cover [2] found behind the front cover, and put in the grip [3] for storage.



F-1-32

- 17) Open the upper right cover, and mount the face cover (small, large).
- 18) Close the upper right cover.



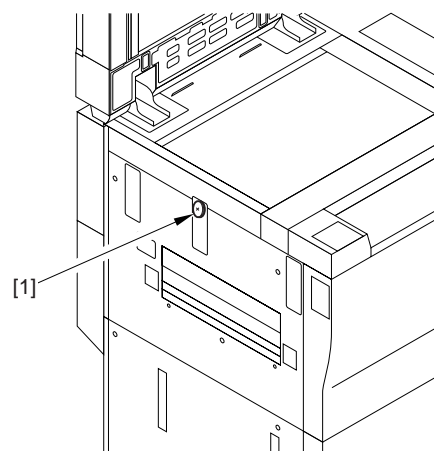
If condensation is found on the outside or inside of the machine at this point, stop the work and wait until the machine becomes fully used to the room temperature. Resume the work after making sure that the machine is free of condensation.

## 1.2.4 Mounting the Scanner System

0010-8943

iR7105 / iR7095 / iR7086 /

- 1) Open the ADF.  
Remove the copyboard glass protective pad and tape.
- 2) Remove the scanner system fixing screw [1].  
(Store the screw away for possible relocation of the machine in the future.)



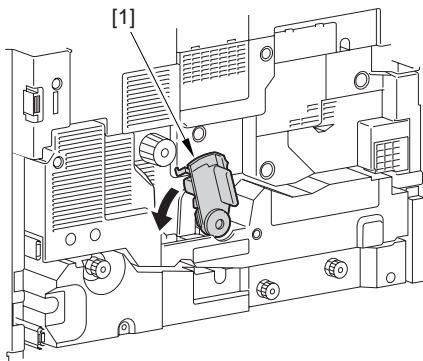
F-1-33

## 1.2.5 Mounting the Fixing Assembly

0010-8944

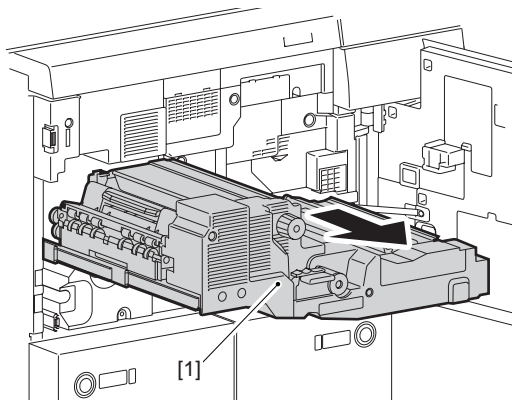
iR7105 / iR7095 / iR7086 / iR7095P / / /

- 1) Open the front cover.
- 2) Shift the fixing transport assembly release lever [1] in the direction of the arrow to unlock the transfer/separation charging assembly.



F-1-34

3) Slide out the fixing transport unit [1] to the front.

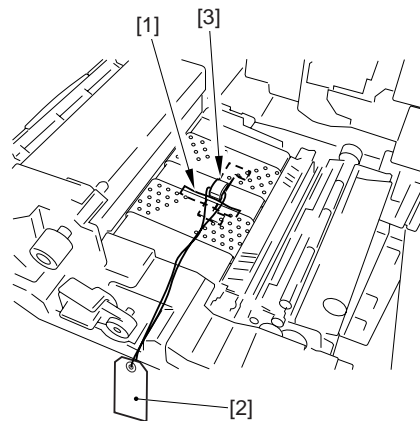


F-1-35

4) Remove the tape [1]; then, remove the tag [2] of the fixing transport assembly and the separation release member [3].

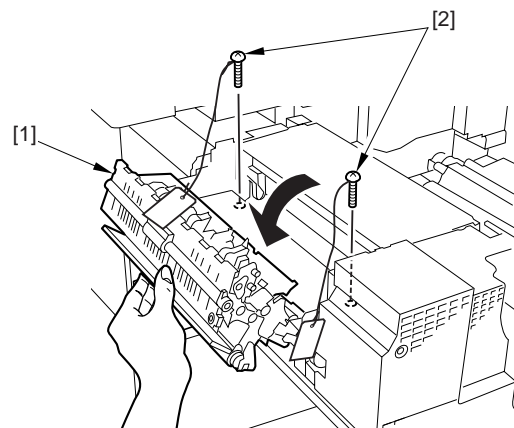


Remove all foreign matter (e.g., glue from tape) from the transport belt.



F-1-36

5) Remove the tape used to keep the tag in place, and open the delivery assembly [1]; then, remove the 2 fixing nip release screws [2] from the front and the rear.



F-1-37

6) Close the delivery assembly.

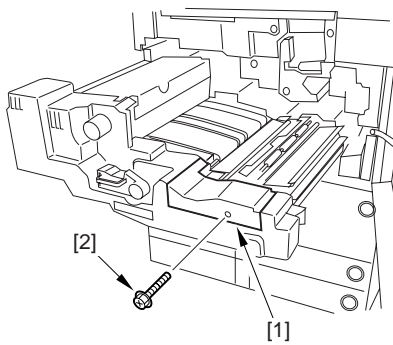
## 1.2.6 Mounting the Charging Assembly

0010-8947

iR7105 / iR7095 / iR7086 /

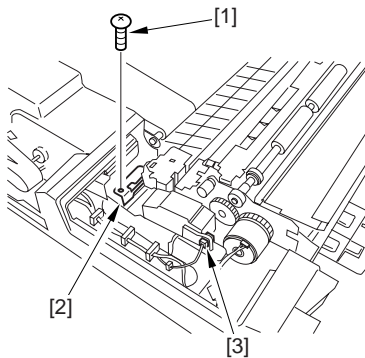
- 1) Remove the transfer separation charging assembly front cover [1].  
- screw [2]





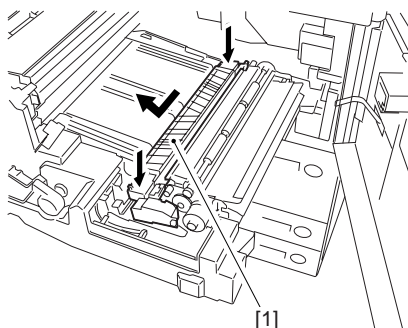
F-1-38

- 2) Remove the fixing [1] (1 screw [2]), and disconnect the connector [3].



F-1-39

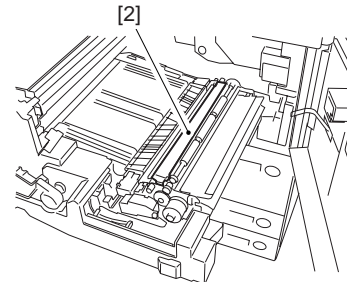
- 3) While holding down the front and rear of the transfer separation charging assembly [1], pull it toward the front about 1 cm, and then detach toward the rear left in upward direction.  
Clean the transfer separation charging wire using alcohol.



F-1-40

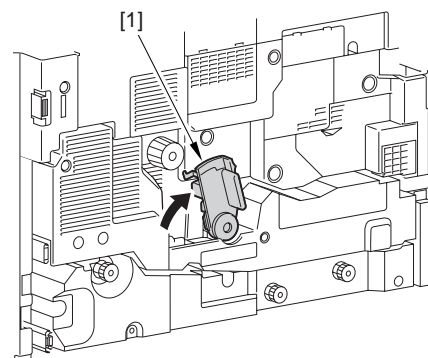
- 4) Mount the transfer separation charging assembly

- [1] while keeping the following in mind:
- all solvent must be fully dry.
  - the gut wire must not be in contact with the transfer guide [2] to avoid a cut.
  - the grounding plate [3] must be outside the charging assembly frame.



F-1-41

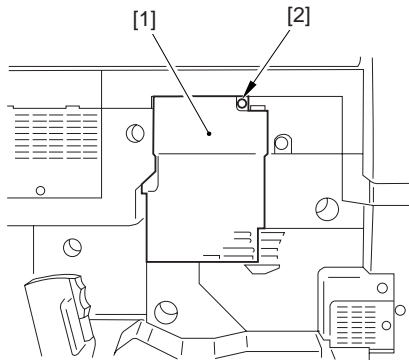
- 5) Connect the connector of the transfer separation charging assembly, and fit the fixing in place.  
6) Attach the transfer separation charging assembly front cover.  
7) Fit the fixing transport assembly in place inside the machine, and shift the fixing transport assembly lever [1] to lock the assembly in place.



F-1-42

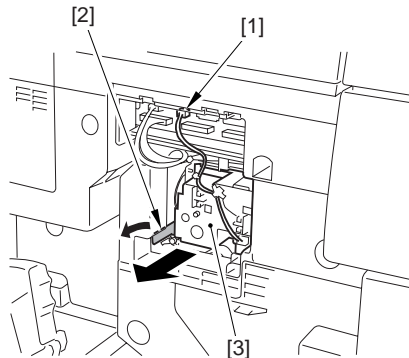
- 8) Remove the primary charging assembly front cover

- [1].  
- screw [2]



F-1-43

- 9) Disconnect the connector [1], and release the locking lever [2] of the primary charging assembly to remove the primary charging assembly [3].  
Clean the primary charging wire and the grid wire using alcohol.

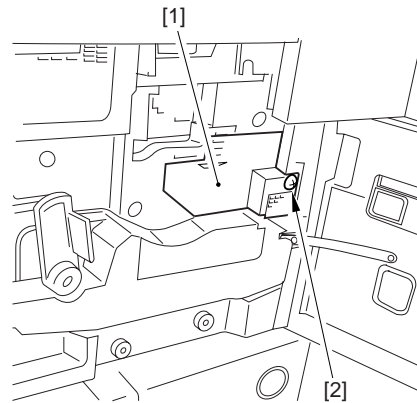


F-1-44



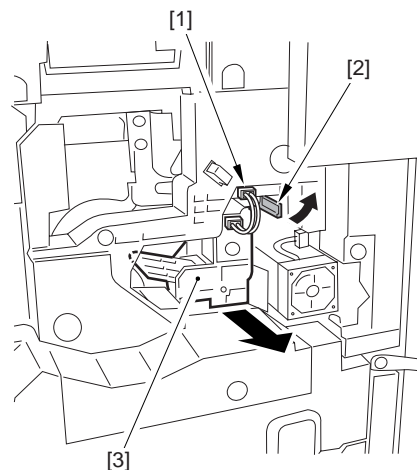
All solvent must be fully dry before fitting the parts back in place.

- 10) Remove the pre-transfer charging assembly front cover [1].  
- screw [2]



F-1-45

- 11) Disconnect the connector [1], and release the locking lever [2] of the pre-transfer charging assembly; then, remove the pre-transfer charging assembly [3].  
Clean the pre-transfer charging assembly using alcohol.



F-1-46

- 12) While keeping it unlocked, fit in the primary charging assembly, and connect the connector.

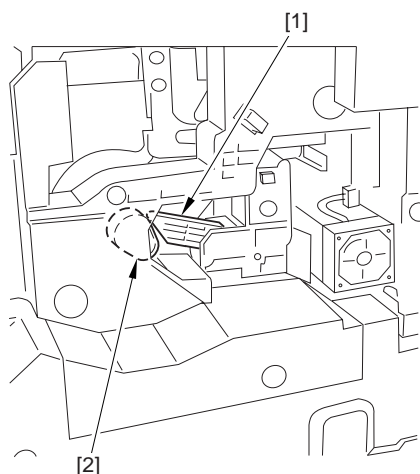


Check to make sure that the solvent is fully dry.

- 13) While keeping it unlocked, fit the pre-transfer charging assembly in place, and connect the connector.



- Check to be sure that the solvent is fully dry.
- Check to be sure that the one-way arm [1] of the pre-transfer charging assembly is on the eccentric cam [2].



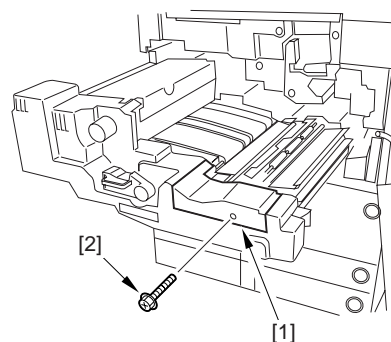
F-1-47

- 14) Mount the primary charging assembly front cover and the pre-transfer charging assembly cover.
- 15) Close the front cover.

## 1.2.7 Mounting the Charging Assembly 0012-2165

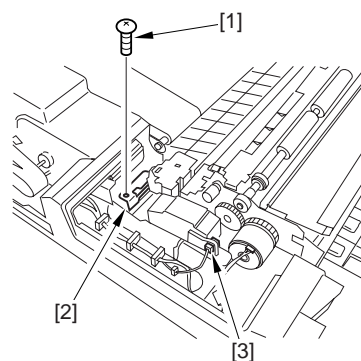
iR7095P / /

- 1) Remove the transfer separation charging assembly front cover [1].
  - screw [2]



F-1-48

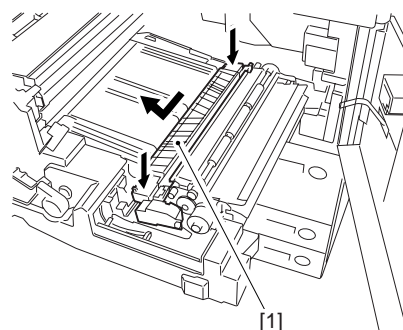
- 2) Remove the screw [1], then the fixing [2] and disconnect the connector [3].



F-1-49

- 3) While holding down the front and rear of the transfer separation charging assembly [1], pull it toward the front about 1 cm, and then detach toward the rear left in upward direction.

Clean the transfer separation charging wire using alcohol.

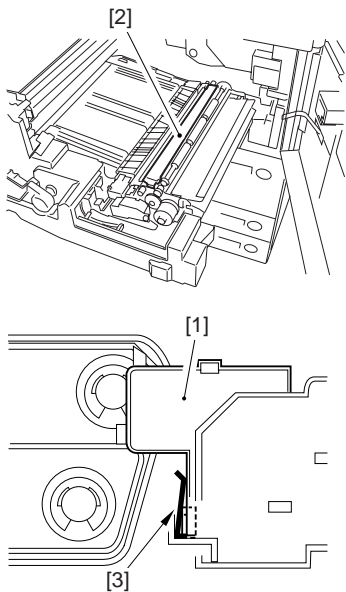


F-1-50



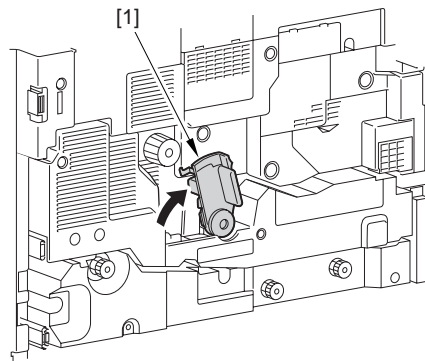
Check to make sure that the solvent on the transfer separation charging assembly is fully dry.

- 4) Mount the transfer separation charging assembly [1] while keeping the following in mind:
- the gut wire must not be in contact with the transfer guide [2] to avoid a cut.
  - the grounding plate [3] must be outside the charging assembly frame.



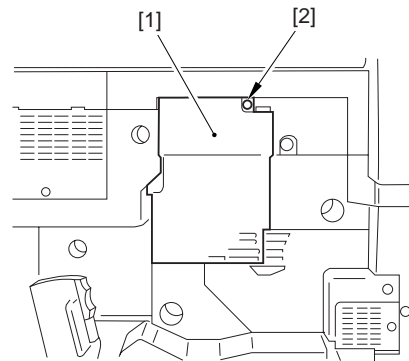
F-1-51

- 5) Connect the connector of the transfer separation charging assembly, and fit the fixing in place.
- 6) Attach the transfer separation charging assembly front cover.
- 7) Fit the fixing transport assembly in place inside the machine, and shift the fixing transport assembly lever [1] to lock the assembly in place.



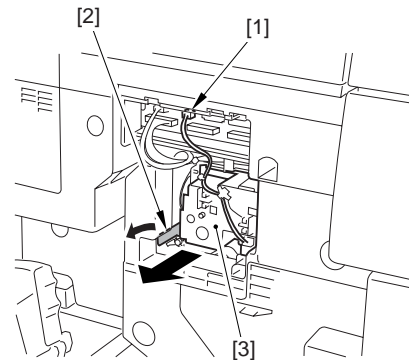
F-1-52

- 8) Remove the primary charging assembly front cover [1].
- screw [2]



F-1-53

- 9) Disconnect the connector [1], and release the locking lever [2] of the primary charging assembly to remove the primary charging assembly [3]. Clean the primary charging wire and the grid wire using alcohol.

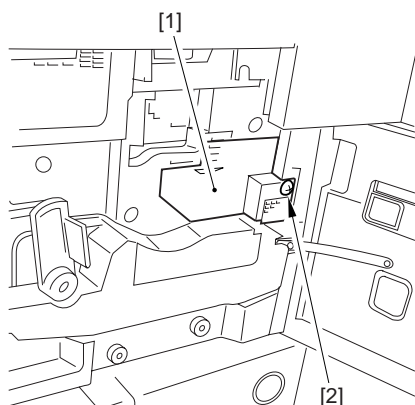


F-1-54



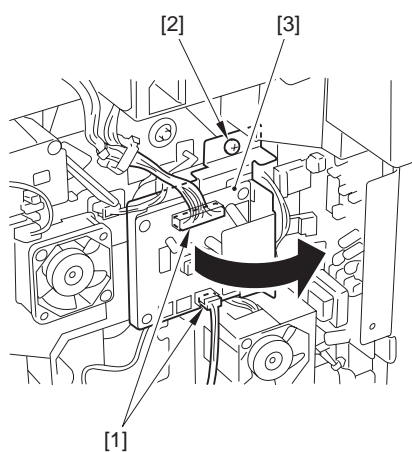
Check to make sure that the solvent on the primary charging assembly is fully dry.

- 10) Remove the pre-transfer charging assembly front cover [1].  
- screw [2]



F-1-55

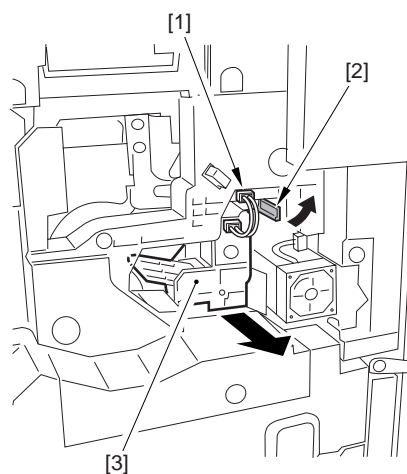
- 11) If a double-feeding detection PCB (reception) [3] is found, disconnect the 2 connectors [1] and remove the screw [2], and open the PCB in the direction of the arrow.



F-1-56

- 12) Disconnect the connector [1], and release the locking lever [2] of the pre-transfer charging assembly; then, remove the pre-transfer charging assembly [3].

Clean the pre-transfer charging assembly using alcohol.



F-1-57

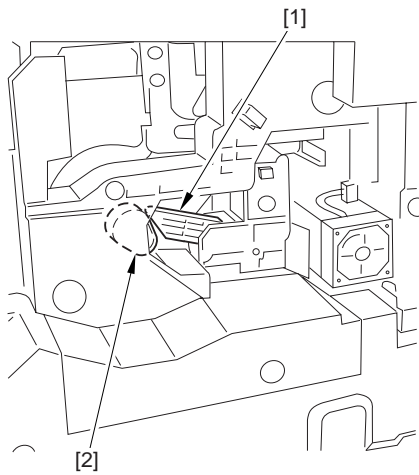


Check to make sure that the solvent on the primary charging assembly and the pre-transfer charging assembly is fully dry.

- 13) While keeping it unlocked, fit in the primary charging assembly, and connect the connector.  
14) While keeping it unlocked, fit the pre-transfer charging assembly in place, and connect the connector.



Check to be sure that the one-way arm [1] of the pre-transfer charging assembly is on the eccentric cam [2].



F-1-58

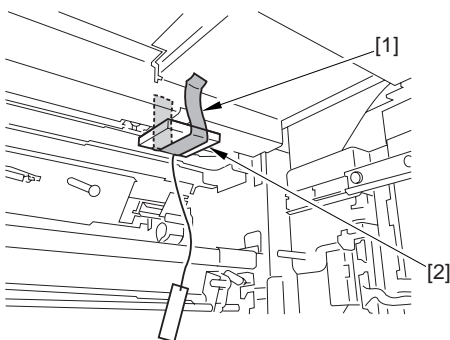
- 15) Mount the double-feeding detection PCB (reception).
- 16) Mount the primary charging assembly front cover and the pre-transfer charging assembly cover.
- 17) Close the front cover.

## 1.2.8 Mounting the Developing Assembly

0010-8950

iR7105 / iR7095 / iR7086 / iR7095P / /

- 1) Open the manual feeder tray cover.
- 2) Remove the tape [1]; then, remove the hopper supply mouth cover [2].

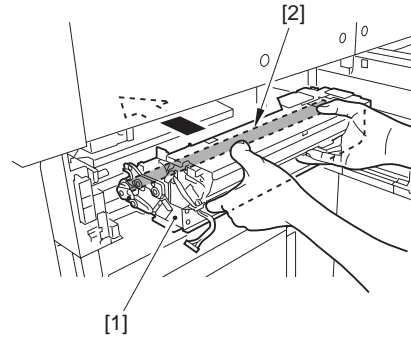


F-1-59

- 3) Holding the developing assembly [1] as shown, fit it in place in the machine.



When mounting the developing assembly, take care not to hit against the developing cylinder [2].

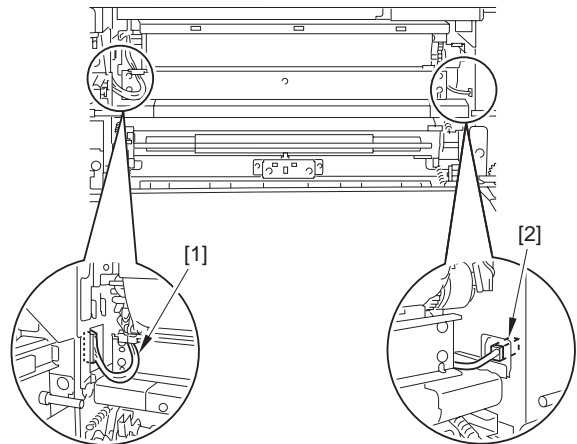


F-1-60

- 4) Connect the connectors [1], [2].

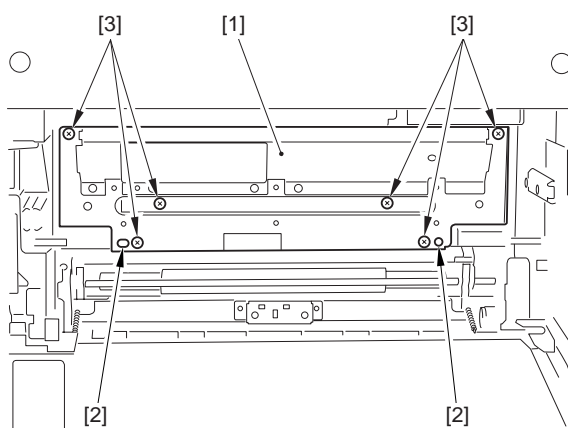


Check to be sure that the connector will not become disconnected. Poor contact will lead to blank prints.



F-1-61

- 5) Mount the developing assembly locking plate [1].
  - 2 bosses [2]
  - 6 screws (TP; M4X6; black) [3]

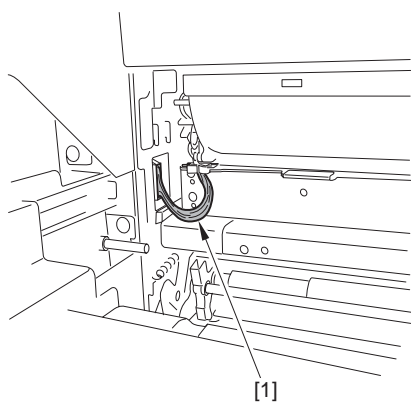


F-1-62



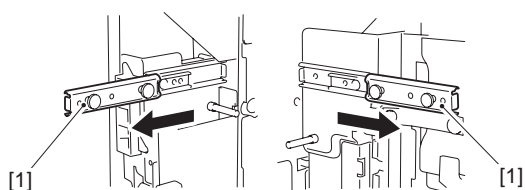
Check to be sure that the developing assembly locking plate is free of a gap and displacement, which are likely to cause image faults. (Especially, it must not be riding over the bosses found below.)

When mounting the developing assembly locking plate, take care not to trap the cable [1].



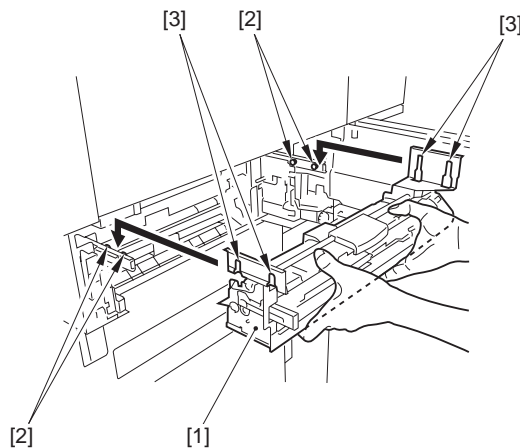
F-1-63

6) Slide out the 2 rails [1] of the pull-off unit.



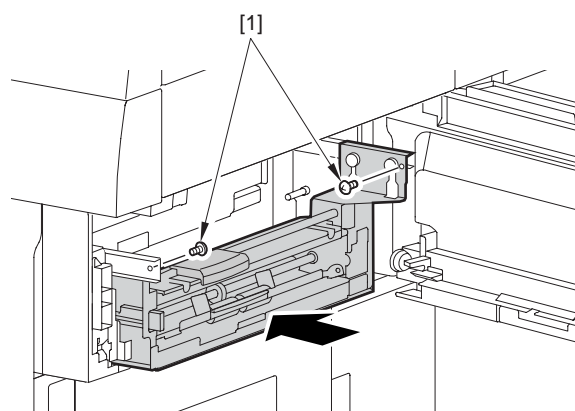
F-1-64

- 7) Remove the tape from the pull-off unit.
- 8) Hold the pull-off unit [1] as follows, and hook the 4 holes [3] of the pull-off unit on the 4 protrusions [2] of the rail.



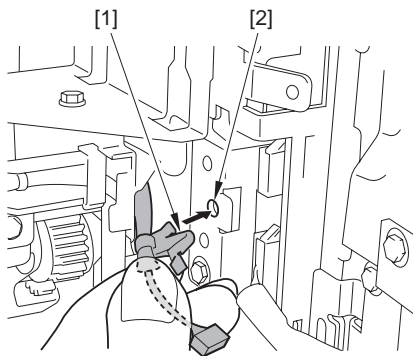
F-1-65

- 9) Secure the pull-off unit in place with 2 screws (binding; M3X4) [1] in place, and push in the pull-off unit until it is locked in place.



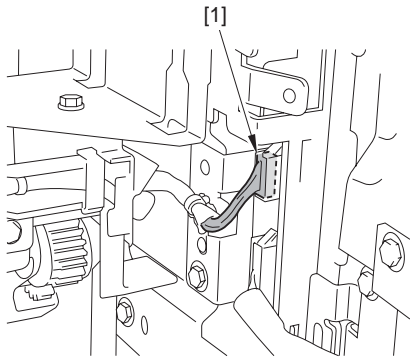
F-1-66

- 10) Fit the reuse band [1] in the hole [2] of the host machine.



F-1-67

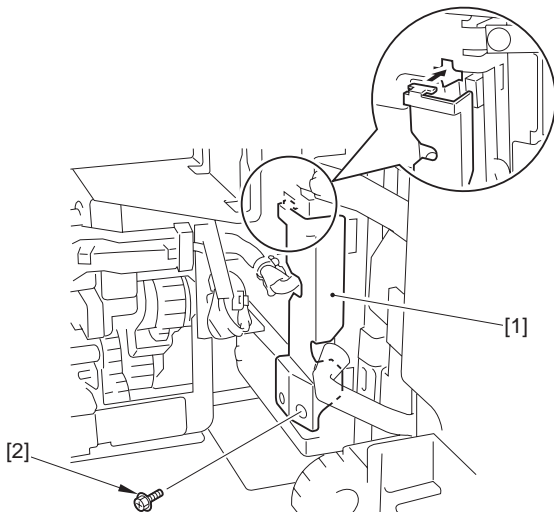
11) Connect the connector [1].



F-1-68

12) Attach the connector cover [1].

- screw (RS tightening; M4X10) [2]



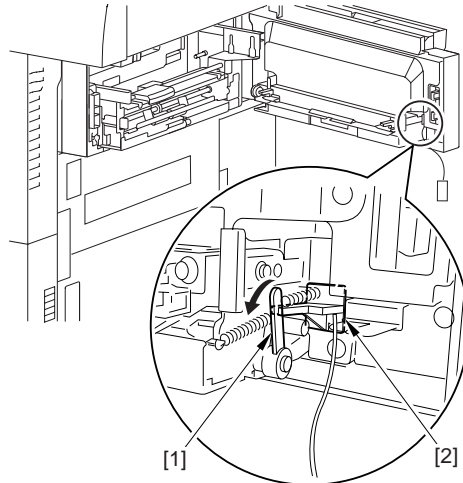
F-1-69

## 1.2.9 Mounting the Pickup Assembly

0010-8957

iR7105 / iR7095 / iR7086 / iR7095P / /

1) Shift the lever [1] in the direction of the arrow, and remove the pickup roller release spacer [2].



F-1-70

2) Close the manual feeder tray unit.

3) Push the release button of the front deck (right) and the cassette 3/4, and slide them out halfway.

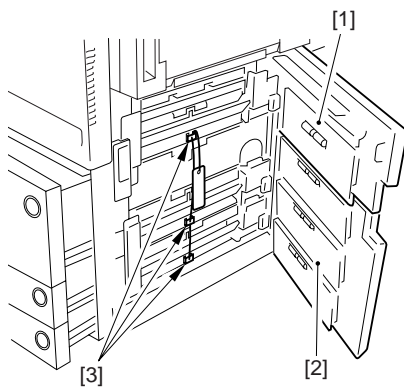
4) Slide out the cassette 3/4, and remove the packing tape from where the host machine and the cassette come into contact (left side of the host machine and right side of cassette 4).

5) Open the upper right cover [1] and the lower right cover [2], and remove the 3 pickup roller release spacers [3].

### MEMO:

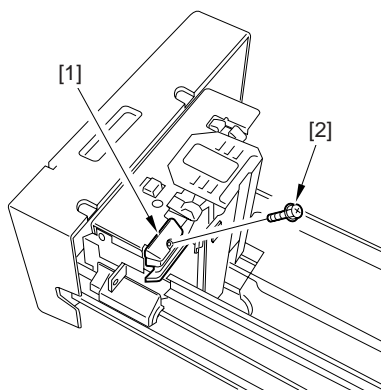
If the deck/cassette is inside the machine, the spacer is locked in place and cannot be removed; be sure to slide the unit out halfway to unlock it.





F-1-71

- 6) Close the upper right cover and the lower right cover.
- 7) Close the front deck (right) and the cassette 3/4.
- 8) Press the release button of the front deck (left), and slide out the deck.
- 9) Mount the included deck locking plate [1] to the front deck (left).
  - screw (RS tightening; M4X10; white) [2]



F-1-72

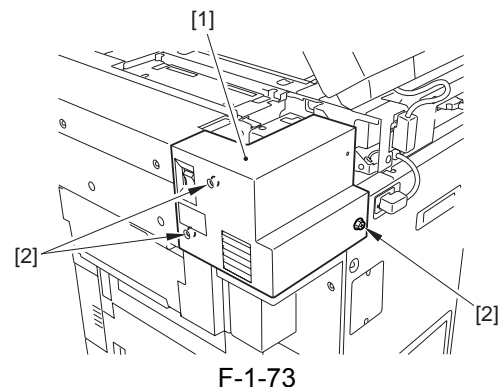
- 10) Close the front deck (left).

## 1.2.10 Mounting the Control Panel

0011-4903

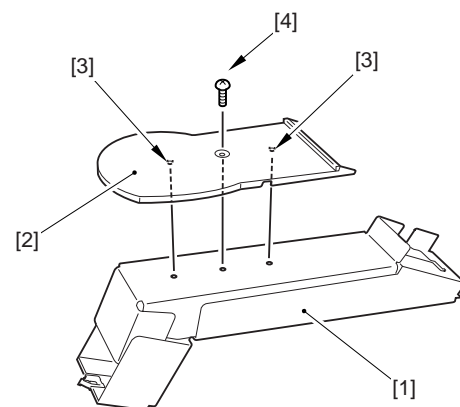
iR7105 / iR7095 / iR7086

- 1) Remove the upper rear right cover [1].
  - 3 screws [2]



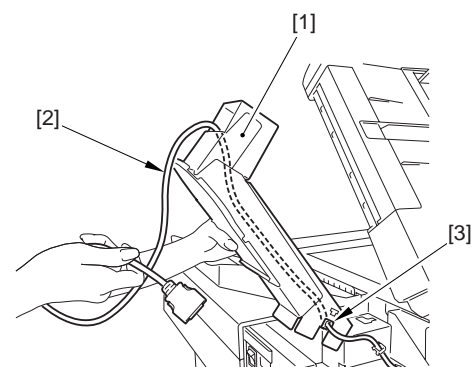
F-1-73

- 2) Match the 2 bosses [3] of the arm cover 3 [2] with the Control panel arm unit [1], and fix it in place with a screw (binding; M4X10) [4].



F-1-74

- 3) Route the control panel interface cable through the Control panel arm unit [1], and fix it in place with the edge saddle [3].



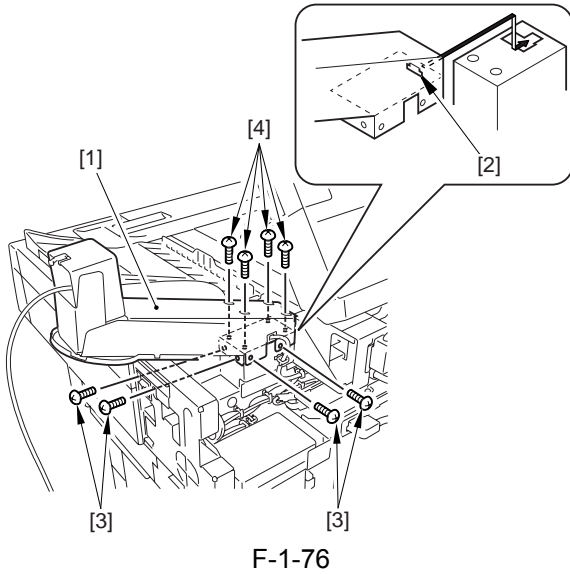
F-1-75

- 4) Hook the claw [2] of the Control panel arm unit [1],

and tighten the 4 screws (binding; M4X10) [3] and 4 screws [4].

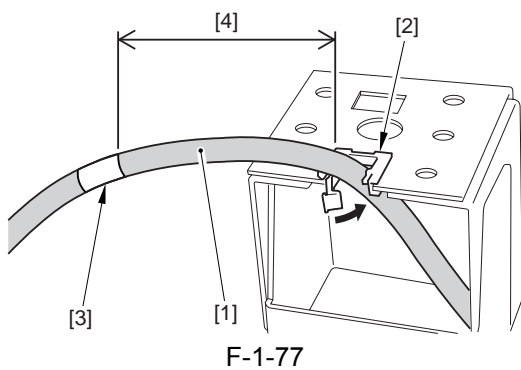


- Be sure to tighten the screws in the correct order.
- Do not drop the screws.



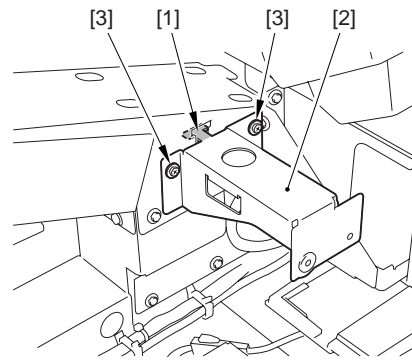
F-1-76

- 5) Adjust the control panel interface cable [1] so that the length [4] from the edge saddle [2] and the seal [3] is about 5 cm, and fix it in place using the edge saddle.



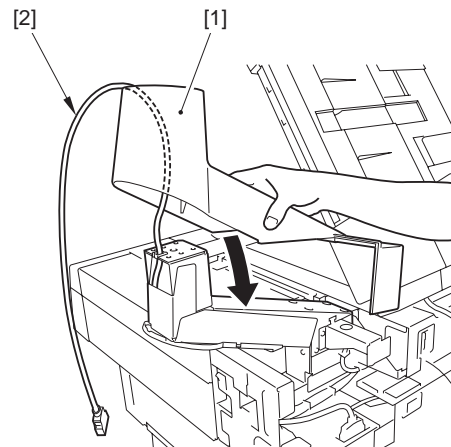
F-1-77

- 6) Hook the claw [2] of the cover support plate [1], and fix it in place using 2 screws (binding; M4X10) [3].



F-1-78

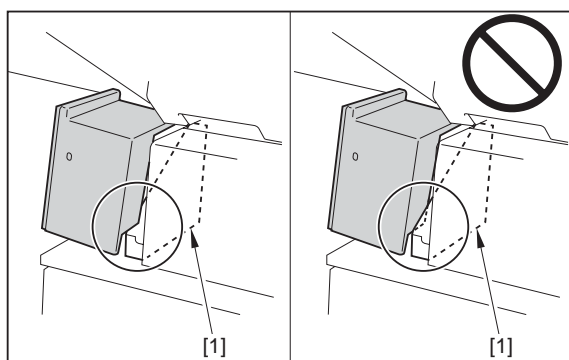
- 7) Open the DF, and lead the control panel interface cable [2] along the arm cover 2 [1]; then, put the cover over the control panel arm unit.



F-1-79



When putting the arm cover 2 in place, be sure it is correctly oriented in relation to the plate [1].

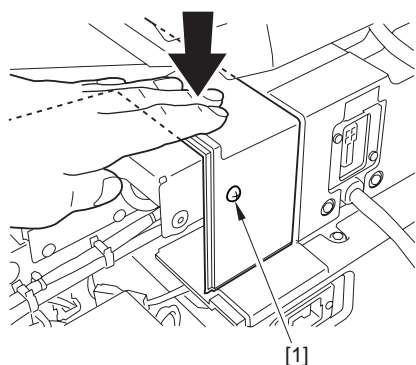


F-1-80

8) Tighten the screw (binding; M4X10) [1].



When tightening the screw [1], be sure to hold down the arm cover 2.

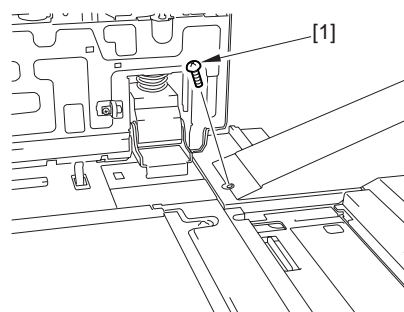


F-1-81

9) Tighten the screw (binding; M4X10) [1].

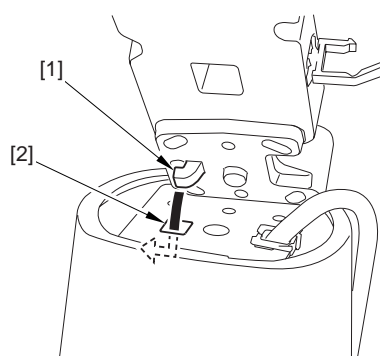


Be sure to tighten the screw at an angle.



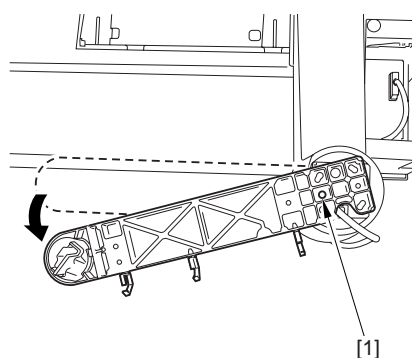
F-1-82

10) Hook the claw [1] of the arm unit on the hole [2] in the Control panel arm unit.



F-1-83

11) Turn it in the direction of the arrow until the screw hole [1] of the arm unit matches the hole in the Control panel arm unit.

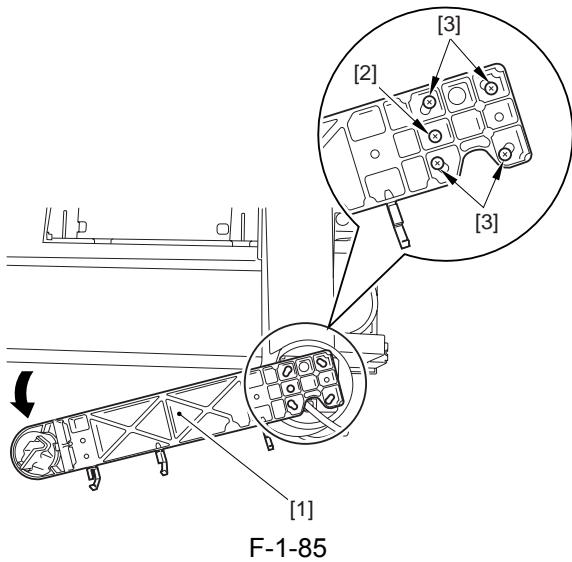


F-1-84

12) Tighten the screw (binding; M4X14) [2] and then the 4 screws [3] of the arm unit [1].

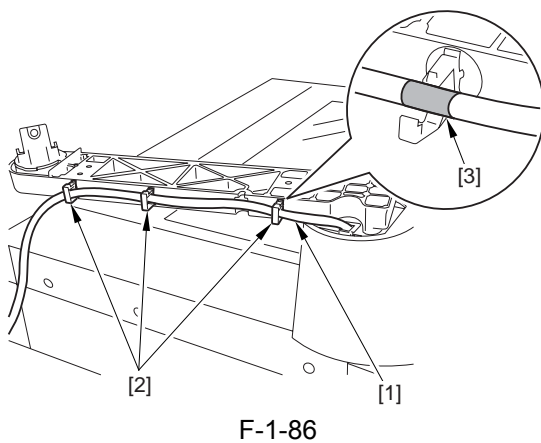


- Be sure to tighten the screws in the correct order.
- Be sure to tighten the screws while keeping the arm in the direction of the arrow to avoid contact with the extension tray.



13) Fix the control panel interface cable [1] in place using the 3 wire saddles [2].

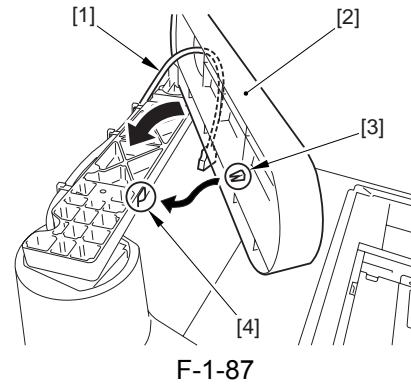
**!** Match the wire saddle at the rear and the seal [3].



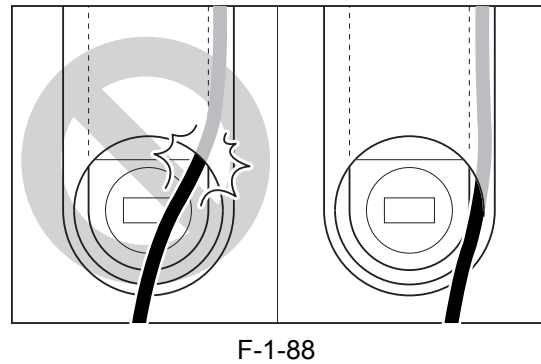
14) Route the control panel interface cable [1] through the arm cover 1 [2].

15) Hook the claw [3] on the cut-off [4] of the arm

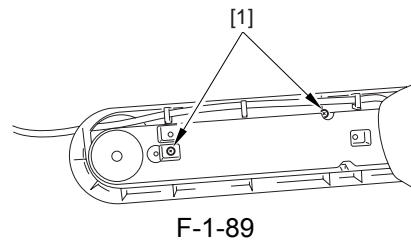
unit, and put the arm cover 1 [2] in place.



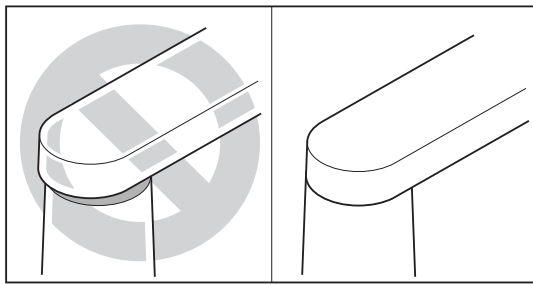
**!** Take care not to trap the cable.



16) Fix the arm cover 1 in place from behind the arm unit.  
- 2 screws (P tightening; M4x10) [1]

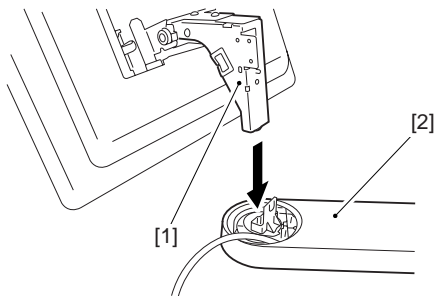


**!** Make sure there is no discrepancy between the arm cover 1 and the arm cover 2.



F-1-90

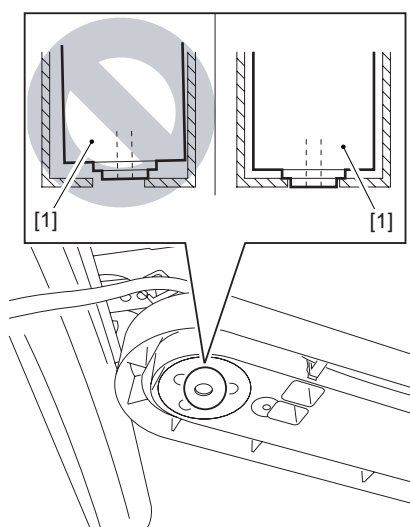
17) Fit the shaft [1] of the control panel in place on the arm unit [2].



F-1-91

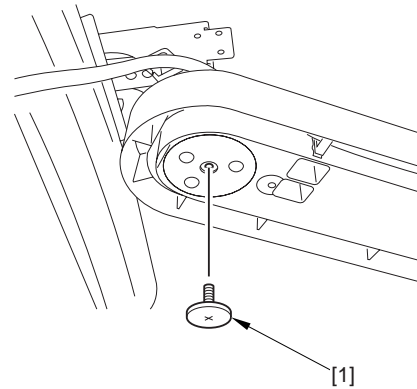


Fit the tip of the shaft [1] of the control panel in the round hole of the arm unit.



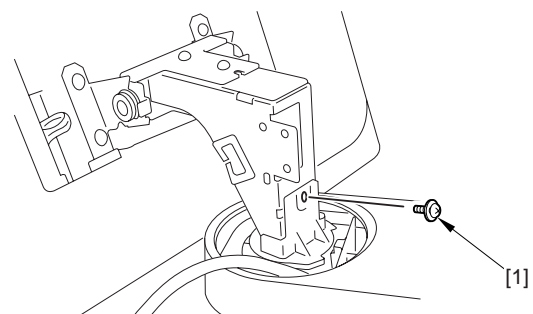
F-1-92

18) Tighten the screw (flat-head; M4X10) [1] from behind the arm unit.



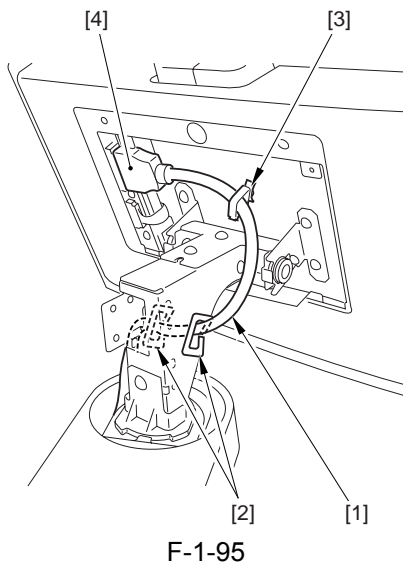
F-1-93

19) Tighten the screw (W sems; M4X10) [1] from behind the control panel.

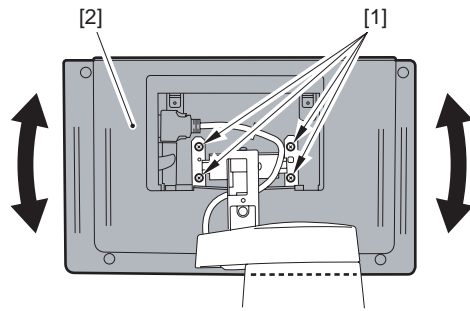


F-1-94

20) Fix the control panel interface cable [1] in place using the 2 edge saddles [2] and the wire saddle [3]; then, connect the connector [4] to the control panel.



F-1-95

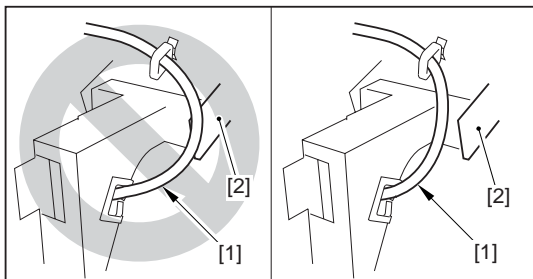


F-1-97

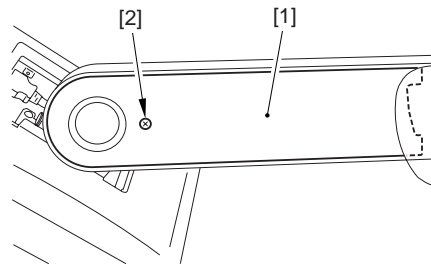
- 21) Peel off the protective sheet of the arm cover 4.
- 22) Mount the arm cover 4 [1] from behind the arm unit.  
- screw (binding; M4X10) [2]



Be sure to adjust the length of the cable [1] so that it is inside the plate [2].

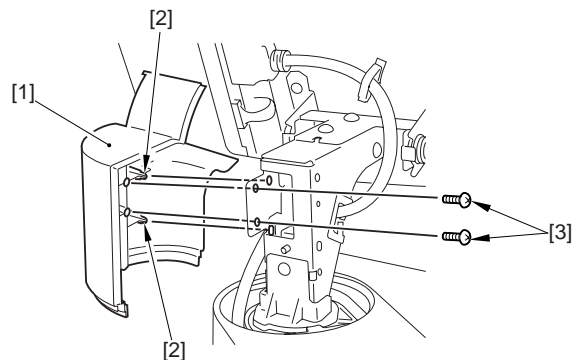


F-1-96



F-1-98

- 23) Mount the lock hinge cover R [1].  
- 2 bosses [2]  
- 2 screws (P tightening; M3X10) [3]



F-1-99

- 24) Mount the lock hinge cover L [1].  
- 2 bosses [2]  
- screw (TP; M3x6) [3]

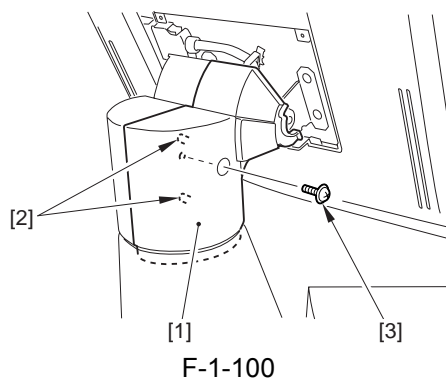
**MEMO:**

If the control panel is tilting, go through the following steps to correct:

- 1) Loosen the 4 screws [1] found on the back of the control panel.
- 2) Shift the control panel [2] to its correct orientation, and tighten the screws loosened previously.

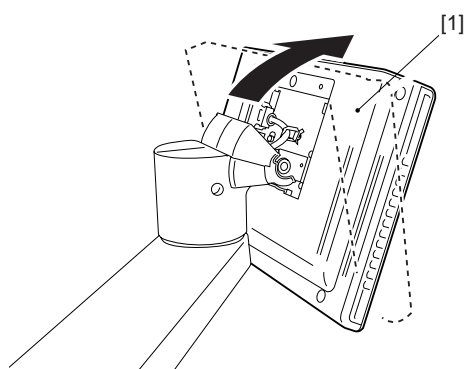
**MEMO:**

Keep the arm and the control panel upright to facilitate mounting of the lock hinge cover R.



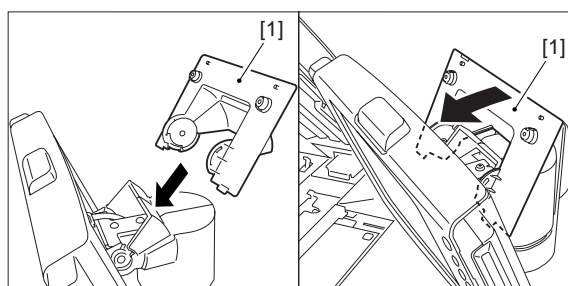
F-1-100

25) Tilt the control panel [1] in the direction of the arrow.



F-1-101

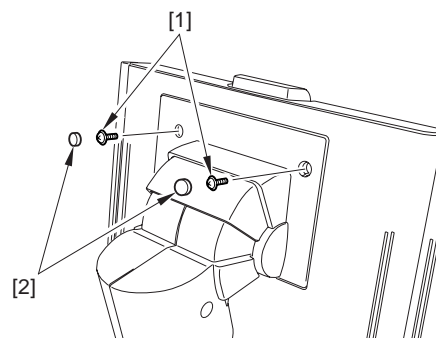
26) Fit the Hinge slide cover [1] in the direction of the arrow.



F-1-102

27) Fix the Hinge slide cover in place.

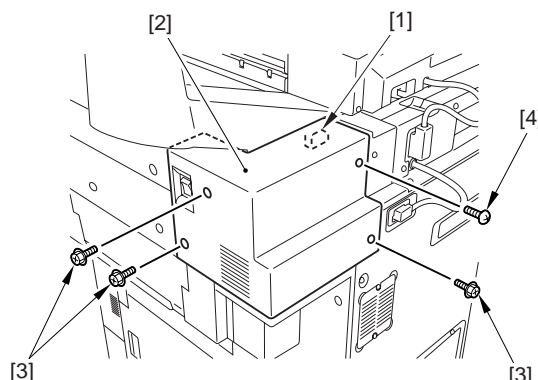
- 2 screws (TP; M3X6) [1]
- 2 Cover rubber (for M3)



F-1-103

28) Hook the claw [1] of the rear upper right cover on the hole of the cover support plate; then, fit the rear upper right cover [2] in place.

- 3 screws [3] (removed in step 1))
- screw (included; binding; M4X10) [4]



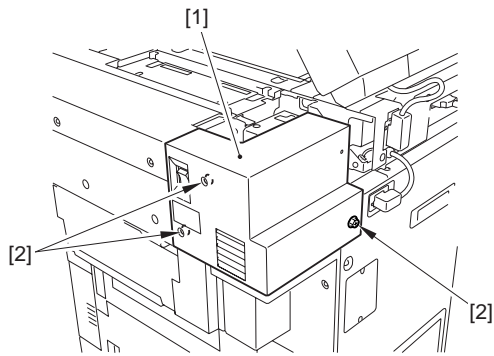
F-1-104

## 1.2.11 Mounting the Control Panel

0012-2067

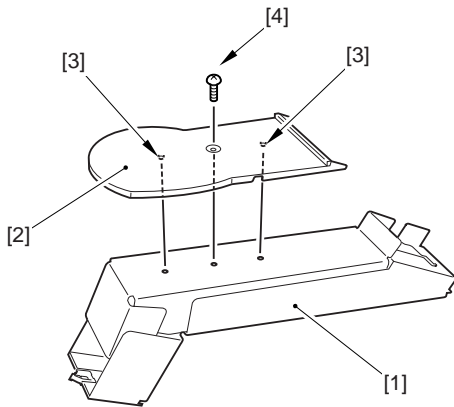
iR7095P / /

- 1) Remove the upper rear right cover [1].
- 3 screws [2]



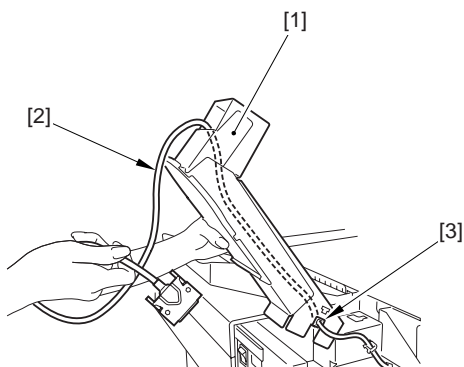
F-1-105

2) Match the 2 bosses [3] of the arm cover 3 [2] with the Control panel arm unit [1], and fix it in place with a screw (binding; M4X10) [4].



F-1-106

3) Route the control panel interface cable through the Control panel arm unit [1], and fix it in place with the edge saddle [3].



F-1-107

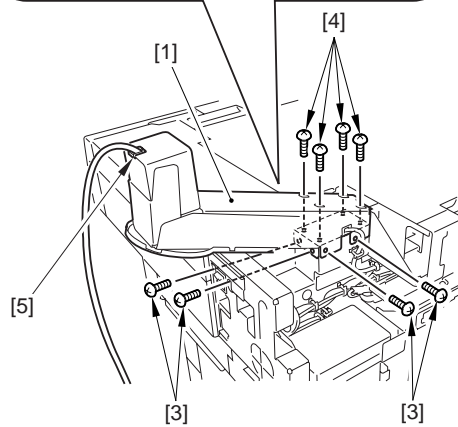
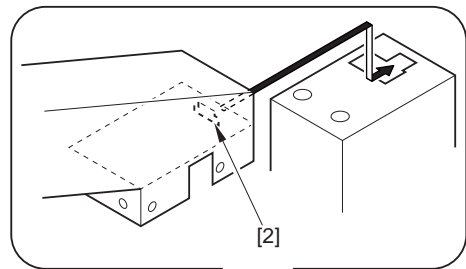
4) Hook the claw [2] of the Control panel arm unit [1],

and tighten the 4 screws (binding; M4X10) [3] and 4 screws [4].

5) Fix the control panel interface cable in place using the edge saddle [5].

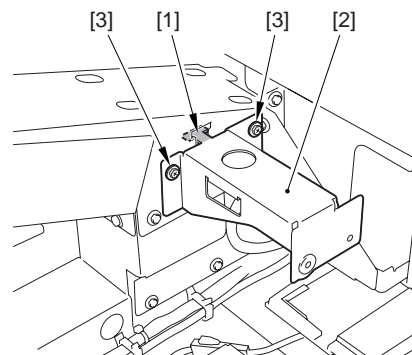


- Be sure to tighten the screws in the correct order.
- Do not drop the screws.



F-1-108

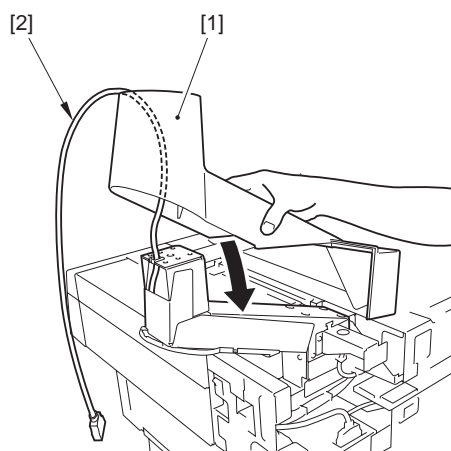
6) Hook the claw [2] of the cover support plate [1], and fix it in place using 2 screws (binding; M4X10) [3].



F-1-109



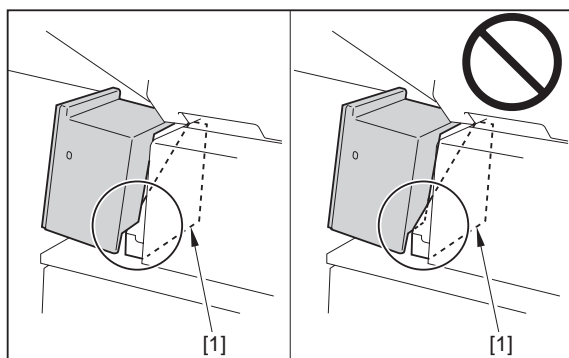
- 7) Lead the control panel interface cable [2] along the arm cover 2 [1]; then, put the cover over the control panel arm unit.



F-1-110



When putting the arm cover 2 in place, be sure it is correctly oriented in relation to the plate [1].

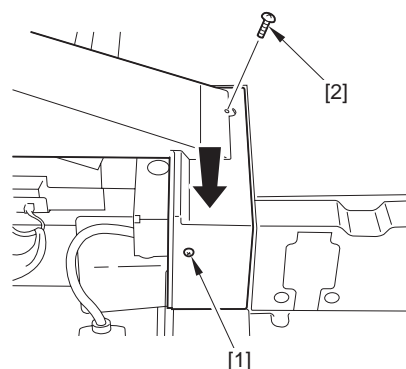


F-1-111

- 8) Tighten the screw (binding; M4X10) [1] and screw [2].

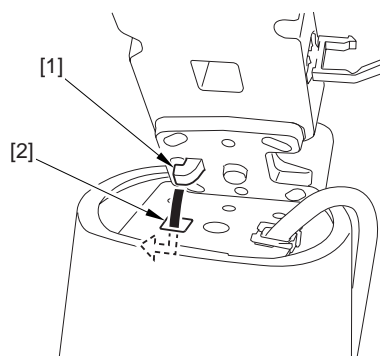


- When tightening the screw [1], be sure to hold down the arm cover 2.
- Be sure to tighten the screw at an angle.



F-1-112

- 9) 10) Hook the claw [1] of the arm unit on the hole [2] in the Control panel arm unit.

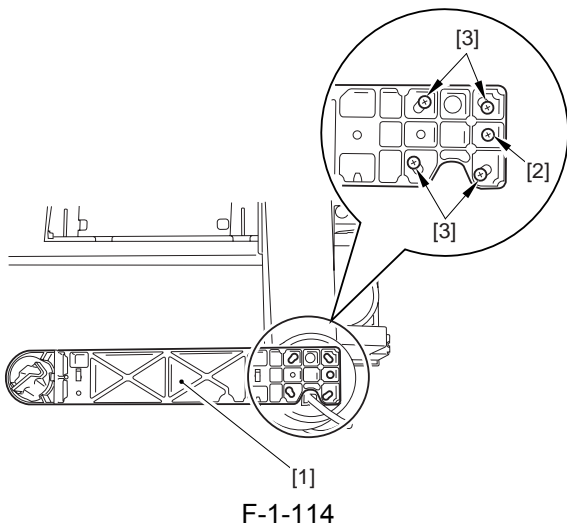


F-1-113

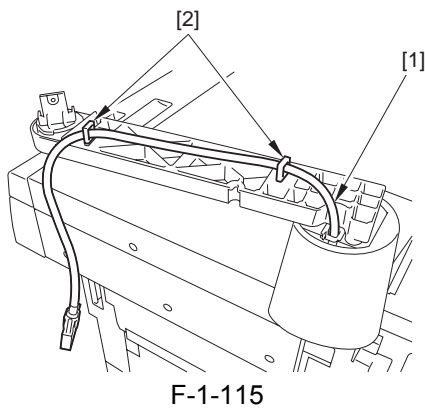
- 10) Tighten the screw (binding; M4X14) [2] and then the 4 screws [3] of the arm unit [1].



- Be sure to tighten the screws in the correct order.
- Be sure that the arm unit is perpendicular in relation to the control panel arm unit.



- 11) Fix the control panel interface cable [1] in place using 2 wire saddles [2].

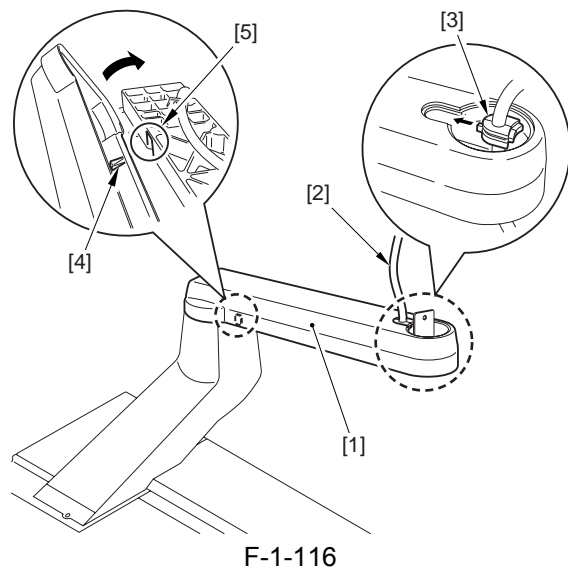


- 12) Route the control panel interface cable [2] through the hole in the arm cover [1].  
 13) Keep the control panel interface cable along the cable guide [3], and fit it in the groove of the arm cover.  
 14) While hooking the claw [4] of the arm cover on the cut-off [5] of the arm unit, put the arm cover over it.

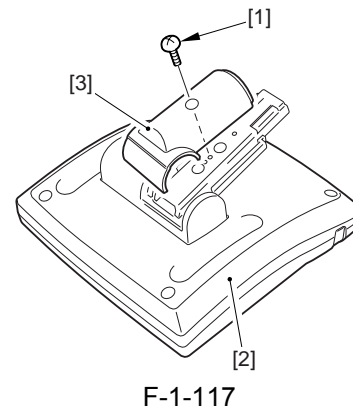


Be sure that the cable guide [3] is oriented so that the side with a protrusion (thicker end) is downward.  
 Note that the cable guide [3] divides itself into two during the work. The fact will not affect its function,

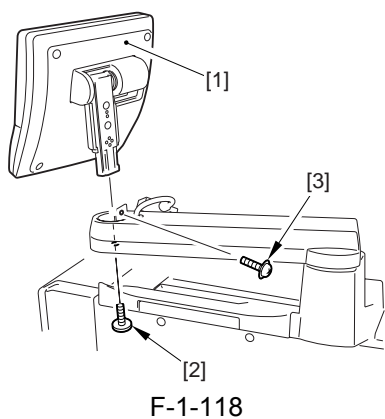
and the work may be continued.



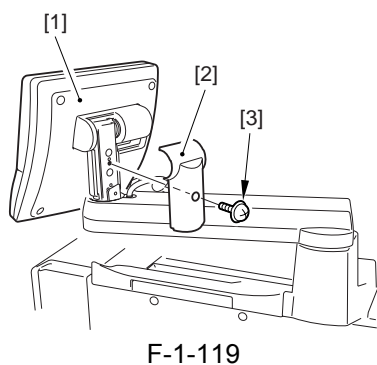
- 15) Remove the screw [1], and detach the rear support cover [3] of the control panel unit [2].



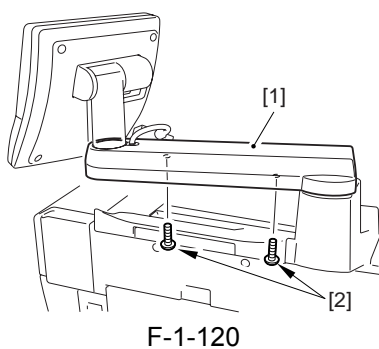
- 16) Fit the control panel unit [1] in place to the arm unit.  
 - 1 flat-head screw (M4X10) [2]  
 - 1 screw (W sems; M4X12) [3]



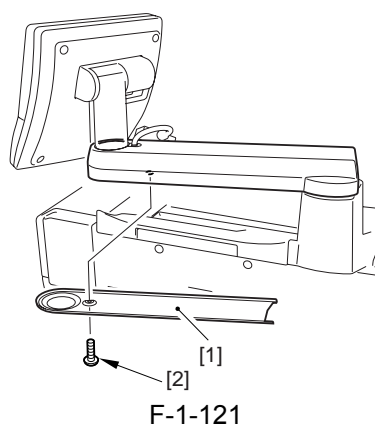
- 17) Fit the rear support cover [2] removed in step 16) to the control panel [1] using the screw [3] removed also in the same step.



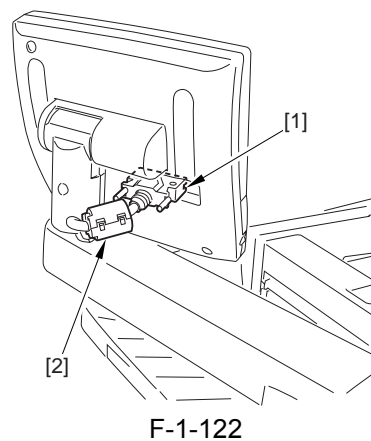
- 18) Fix the arm cover [1] in place.  
- 2 screw (P tightening; M4X10) [2]



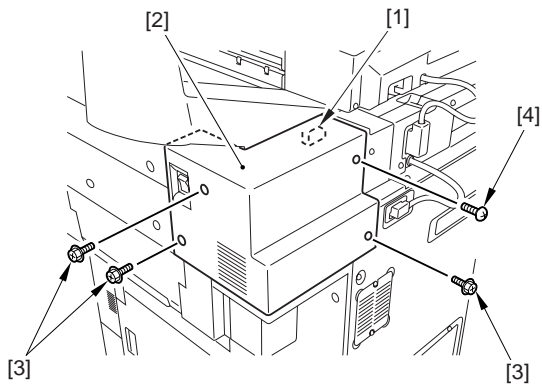
- 19) Mount the arm lower cover [1].  
- 1 screw (binding; M4X6) [4],



- 20) Connect the connector [1] of the control panel interface to the control panel unit.  
21) Fit the ferrite core [2] to the control panel interface. (230 V only)



- 22) Hook the claw [1] of the upper rear right cover on the hole in the cover support plate, and attach the upper rear right cover [2].  
- 3 screws [3], removed in step 1)  
- 1 screw (binding; M4X10) [4], included

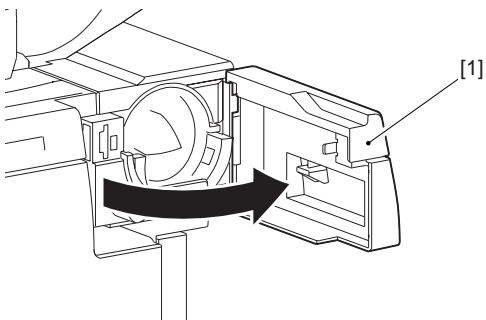


F-1-123

## 1.2.12 Supplying Toner 0010-8961

iR7105 / iR7095 / iR7086 / iR7095P / /

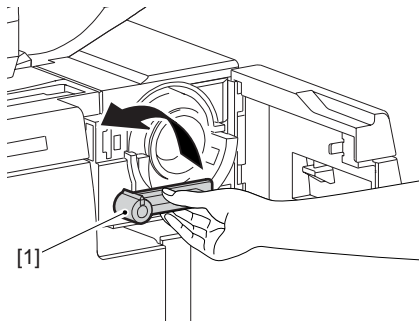
1) Open the hopper cover [1].



F-1-124

2) Peel off the packing tape from the machine.

3) Shift the toner cartridge locking lever [1] to the left to release.



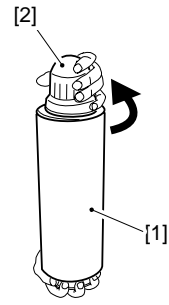
F-1-125

4) Hold the toner bottle [1] as shown, and turn the cap

[2] in the direction of the arrow to detach the cap from the bottle.



Do not shake the toner bottle.

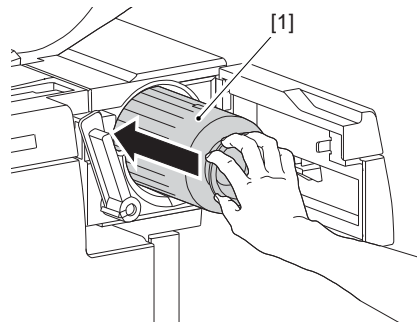


F-1-126

5) Fit the toner bottle [1] in place.

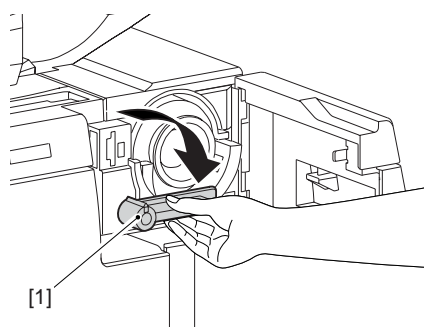


Be sure to push it until it stops.



F-1-127

6) Shift the toner cartridge locking lever [1] to the right to lock it in place.



F-1-128

7) Close the hopper cover.

### 1.2.13 Turning On the Main Power

0011-6943

iR7105 / iR7095 / iR7086 / iR7095P



Be sure to remove all packing material from inside the cassette before turning on the main power.

- 1) Slide out the duplexing unit, and check to make sure there is no foreign matter and damage.
- 2) Check to make sure that the main power switch is at OFF; then, connect the machine's power plug to the power outlet.
- 3) Turn on the main power switch by shifting it to ON.
  - A screen appears indicating that programs are being loaded.
  - A message appears indicating that the machine is starting up.

### 1.2.14 Stirring the Toner

0011-1246

iR7105 / iR7095 / iR7086

When the wait period is over, start service mode to supply toner to the developing unit.

- 1) Start service mode. ( $\langle \text{✖} \rangle > '2'$  and  $'8'$  at the same time  $> \langle \text{✖} \rangle$ )

- 2) Make the following selections: COPIER > FUNCTION > INSTALL > TONER-S.
- 3) See that the following message has appeared: "Check the Developer."
- 4) Check to see that the developing assembly is mounted properly; then, press the OK key.
  - The supply operation lasts about 8 to 10 min, and stops automatically. (At the end of the operation, the message "STOP!" appears.)
- 5) End service mode.



Do not perform the following while the machine is in operation:

- turning off the power
- opening/closing the ADF
- opening/closing any of the various covers
- opening/closing the cassettes
- opening/closing the deck

### 1.2.15 Stirring the Toner

0012-2467

iR7095P / /

When the wait period is over, start service mode to supply toner to the developing unit.

- 1) Start service mode. ( $\langle \text{✖} \rangle > '2'$  and  $'8'$  at the same time  $> \langle \text{✖} \rangle$ )
- 2) Make the following selections: COPIER > FUNCTION > INSTALL > TONER-S.
- 3) See that the following message has appeared: "Check the Developer."
- 4) Check to see that the developing assembly is mounted properly; then, press the OK key.
  - The supply operation lasts about 8 to 10 min, and stops automatically. (At the end of the operation, the message "STOP!" appears.)
- 5) End service mode.



Do not perform the following while the machine is in

operation:

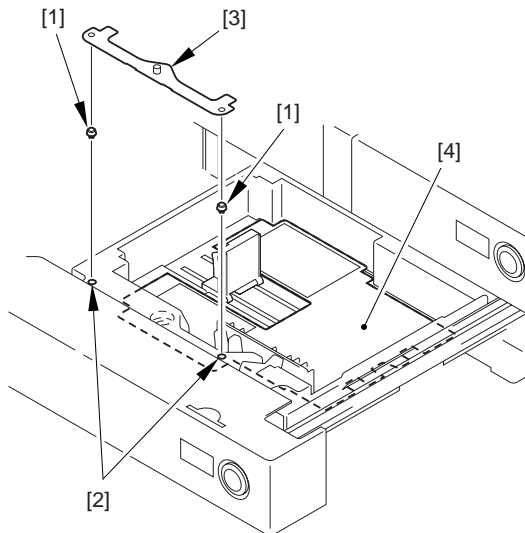
- turning off the power
- opening/closing any of the various covers
- opening/closing the cassettes
- opening/closing the deck

## 1.2.16 Index Sheet Attachment

0010-8965

iR7105 / iR7095 / iR7086 / iR7095P / / /

- 1) Choose cassette 1 or 2 for use with index sheets.  
Press the release button of the cassette you have chosen, and slide out the cassette.  
Match the 2 one-touch supports [1] against the holes [2] of the cassette, and fit in the pins to attach.
- 2) Holding it so that the protrusion is at the top, match the hole in the index sheet attachment [3] against the one-touch support [1].
- 3) Place the base sheet [4] into the cassette, and put the cassette back into the machine.



F-1-129

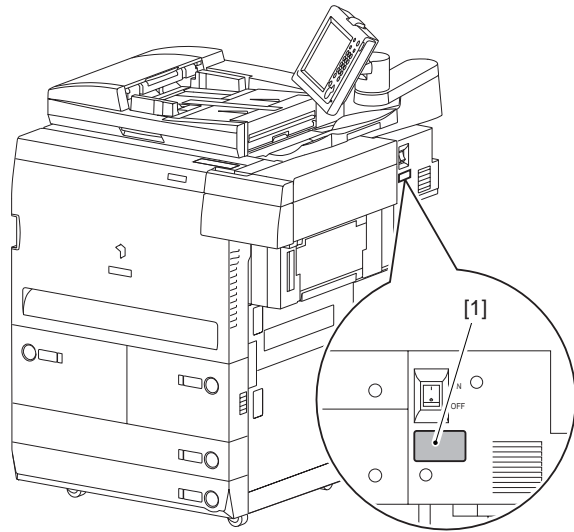
## 1.2.17 Others

0011-9786

iR7105 / iR7095 / iR7086

- Shut-Down Caution Label

- 1) Choose the shut-down warning label [1] of the desired language, and attach it within the frame under the main power switch of the right cover (rear).

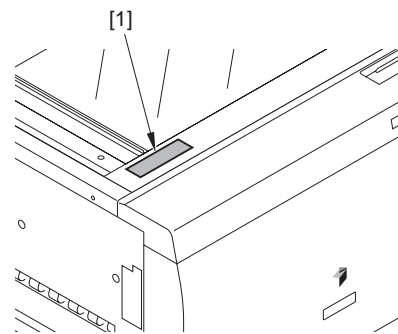


F-1-130

### **iR7086 Only**

<Cleaning Position Label>

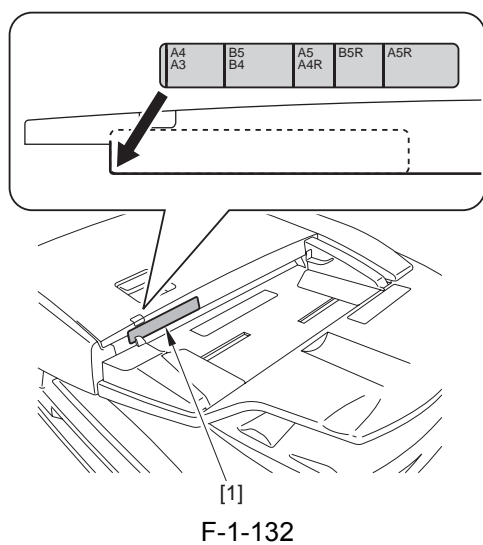
- 1) Fit the Cleaning Position label [1] as indicated on the front cover, and attach it in place.



F-1-131

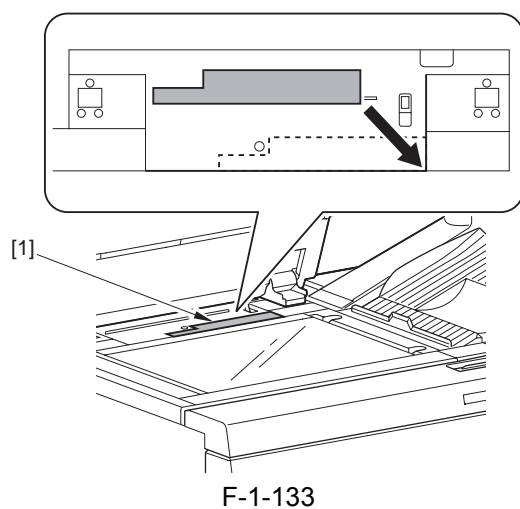
<Original Size Label>

- 1) Fit the Original Size label [1] as indicated on the ADF open/close cover, and attach it in place.

**iR7105/7095 Only**

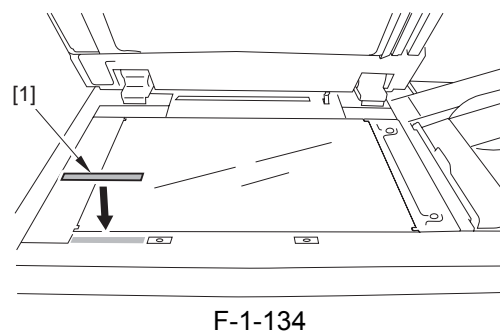
## &lt;Cleaning Instructions Label&gt;

- 1) Fit the cleaning instructions label [1] of the appropriate language on the upper rear cover as indicated, and attach it over the existing label. (The English label is attached at time of shipment.)



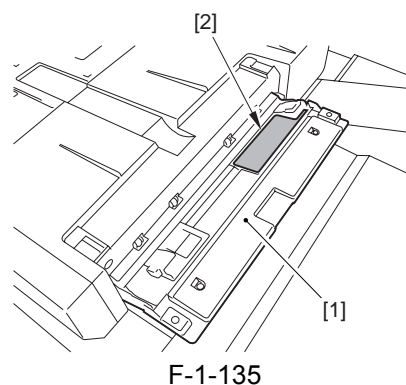
## &lt;Lamp Warning Label&gt;

- 1) Fit the Lamp Warning Label [1] of the appropriate language on the upper rear cover as indicated, and attach it over the existing label. (The English label is attached at time of shipment.)



## &lt;Manual Feeder Set Label&gt;

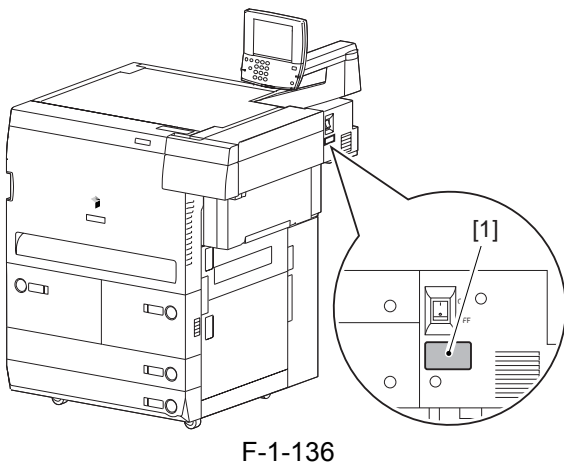
- 1) Open the manual feeder assembly [1] of the ADF; then, fit the Manual Feeder Set Label [2] as indicated, and attach it in place.

**1.2.18 Others****0012-2444**

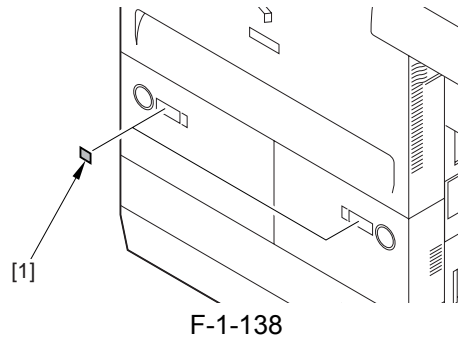
iR7095P / /

## - Shut-Down Caution Label

- 1) Choose the shut-down warning label [1] of the desired language, and attach it within the frame under the main power switch of the right cover (rear).



appropriate size label (cassette/deck) from the backing paper, and attach it to the paper size plate of the deck.



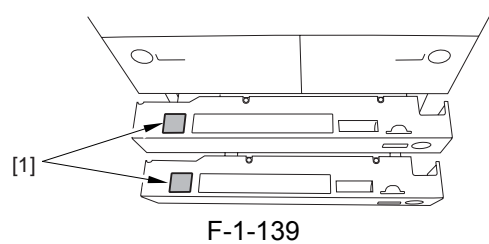
### 1.2.19 Attaching the Labels, Placing Paper, and Checking Images and Operation

0010-8971

iR7105 / iR7095 / iR7086 /

- 1) Check with the user to find out the size of paper that will be used.
- 2) Press the release button of the front deck (right, left), and slide out the deck.

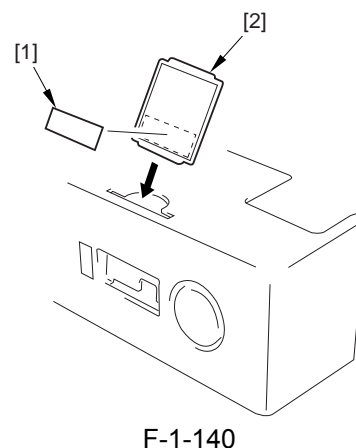
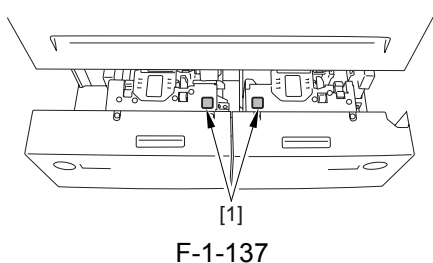
- 6) Press the release button of the cassette 3/4, and slide out the cassette.
- 7) Attach the 3-hole paper placement label [1].



If you are changing the size of the front deck (right, left), refer to the instructions under "Switching Over the Front Deck (right/left) Paper Size."

- 8) Remove the appropriate paper size label (cassette/deck) from the backing paper, and attach it to the paper size plate [2] of the cassette. Fit the paper size plate to the cassette cover.

- 3) Attach the 3-hole paper placement label [1].





- 4) Put paper in the front deck (right/left).
- 5) Close the front deck (right/left). Remove the appro-

- 9) Close the deck/cassette.
- 10) To ensure stable reproduction of images, generate



2 solid black prints (A3) as follows:

- 11) Start service mode. ( '2' and '8' at the same time > )
- 12) Make the following selections: COPIER > TEST > PG > PG-PICK.
- 13) Select the source of paper containing A3 paper, and press the OK key.  
( '3' for cassette 3; '4' for cassette 4)
- 14) Make the following selections: COPIER > TEST > PG > TYPE.
- 15) Type in '7', and press the OK key.  
( '7' for solid black; PG-TYPE7)
- 16) Press the Start key to generate a single solid black (A3) print. Check the output, and wait for about 5 sec. Then, press the Start key to generate another print.
- 17) When done, press the Reset key twice to end service mode.
- 18) Place the test sheet on the copyboard, and check the copy image.

Check to be sure that the pickup operation for all sources of paper is normal (by making 3 test copies each from decks and cassettes).

- check to be sure that there is no abnormal noise.
- check to see that images at all default magnifications are normal.
- check to see that as many copies as specified are made normally.
- if there is a difference in density between left and right, correct it by adjusting the height of the primary charging wire at the front or the rear.
- Check to see that copying operation is normal.

horizontal registration standard (margin at image left): 2.5 +/-1.5 mm

lead edge registration standard (margin at image lead edge): 4.0 +1.5/-1.0 mm

If not as indicated, make adjustments by referring to the instructions under "Adjusting the Horizontal Registration" and "Adjusting the Lead Edge Registration."



At times, the first 10 copies or so may show soiled images because of toner dropping from the drum separation claw. The symptom should disappear as additional copies are made.

- 19) Make double-sided copies to check the machine operation.
- 20) Make standard settings in additional functions and service mode to suit the needs of the user.
- 21) Press the Reset key twice to end service mode.
- 22) Clean up the area around the machine.
- 23) Move the machine to its final place, and fix it in place using the adjusters.
- 24) If you are installing accessories, do so according to their respective Installation Procedures.

#### MEMO:

For the Card Reader-D1, see "Card Reader-D1 Installation Procedure."

- 25) Fill out the service sheet.

## 1.2.20 Attaching the Labels, Placing Paper, and Checking Images and Operation

0012-2062

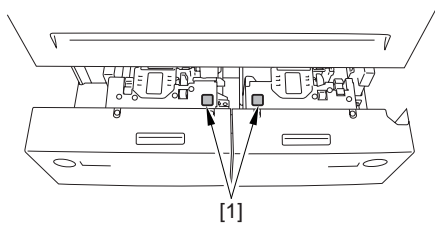
iR7095P / /

- 1) Check with the user to find out the size of paper that will be used.
- 2) Press the release button of the front deck (right, left), and slide out the deck.



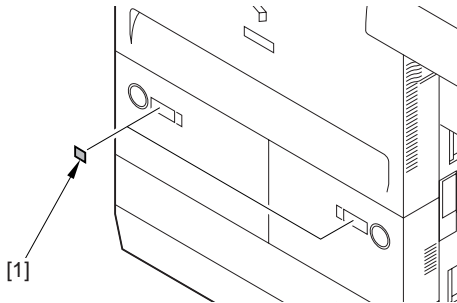
If you are changing the size of the front deck (right, left), refer to the instructions under "Switching Over the Front Deck (right/left) Paper Size."

- 3) Attach the 3-hole paper placement label [1].



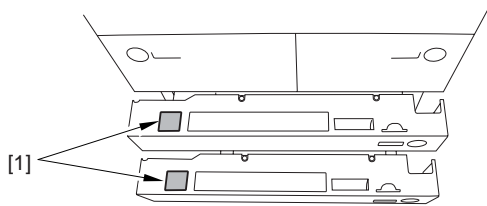
F-1-141

- 4) Put paper in the front deck (right/left).
- 5) Close the front deck (right/left). Remove the appropriate size label (cassette/deck) from the backing paper, and attach it to the paper size plate of the deck.



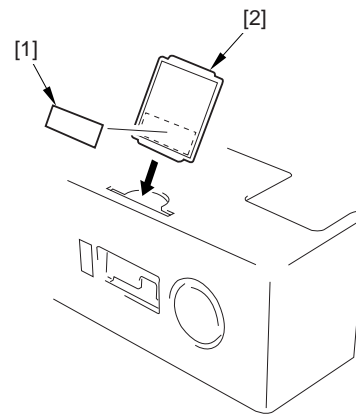
F-1-142

- 6) Press the release button of the cassette 3/4, and slide out the cassette.
- 7) Attach the 3-hole paper placement label [1].



F-1-143

- 8) Remove the appropriate paper size label (cassette/deck) from the backing paper, and attach it to the paper size plate [2] of the cassette. Fit the paper size plate to the cassette cover.



F-1-144

- 9) Close the deck/cassette.
- 10) To ensure stable reproduction of images, generate 2 solid black prints (A3) as follows:
- 11) Start service mode. ( $\odot$  > '2' and '8' at the same time >  $\odot$ )
- 12) Make the following selections: COPIER > TEST > PG > PG-PICK.
- 13) Select the source of paper containing A3 paper, and press the OK key.  
( '3' for cassette 3; '4' for cassette 4)
- 14) Make the following selections: COPIER > TEST > PG > TYPE.
- 15) Type in '7', and press the OK key.  
( '7' for solid black; PG-TYPE7)
- 16) Press the ? key (Help key), and generate a solid black (A3) print. Check the output, and wait for about 5 sec; then, press the ? key once again to generate a second print.
- 17) When done, press the Reset key twice to end service mode.

- 18) Connect to the network. (See "Checking the Network Connection" and "Troubleshooting the Network.")

- 19) Check the printed image.

Make sure that the pickup operation is normal with individual cassettes used as sources of paper.

- Check to see there is no abnormal noise.
- Check the output image at each magnification.
- Check to see that as many prints as specified are

made normally.

- If there is a difference in density between left and right, correct the height (front or rear) of the primary charging wire.

- Check to be sure that the operation is normal.

horizontal registration standard (margin in image left edge direction): 2.5 +/-1.5 mm

lead edge registration standard (margin in image lead edge direction): 4.0 +1.5/-1.0 mm

If the measurements are not as indicated, see the instructions under "Adjusting the Horizontal Registration" and "Adjusting the Lead Edge Registration."



Toner may drop from the drum separation claw to soil the images on the first 10 or so prints. The symptom will disappear as more prints are made.

20) Execute duplexing (making double-sided prints) to check the operation.

21) Make standard settings in additional functions and service mode to suit the needs of the user.

22) Press the Reset key twice to end service mode.

23) Clean up the area around the machine.

24) Move the machine to its final place, and fix it in place using the adjusters.

25) If you are installing accessories, do so according to their respective Installation Procedures.

#### MEMO:

For the Card Reader-D1, see "Card Reader-D1 Installation Procedure."

26) Fill out the service sheet.

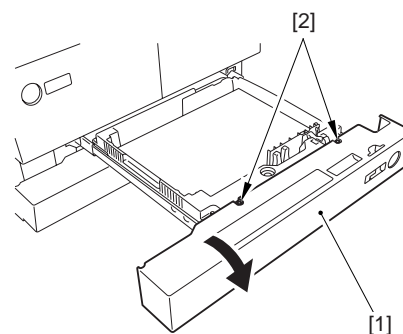
## 1.2.21 Adjusting the Horizontal Registration

0011-1257

iR7105 / iR7095 / iR7086 /

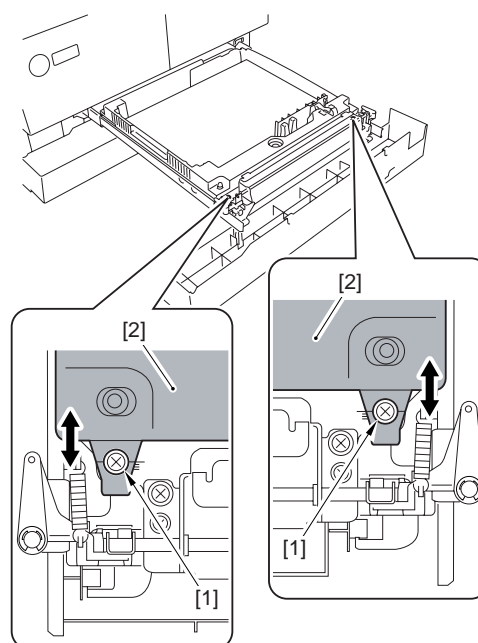
<Cassette 3/4>

- 1) Press the release button of cassette 3/4, and slide out the cassette.
- 2) Shift down the cassette front cover [1] in the direction of the arrow.  
- 2 screws [2]



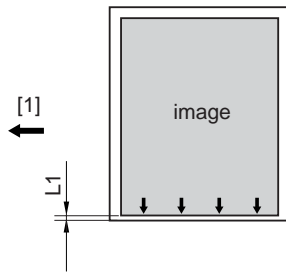
F-1-145

- 3) Loosen the 2 fixing screws [1] found on the right/left of the cassette.
- 4) Move the cassette case [2] to the front or the rear to make adjustments.  
- move it to the rear to decrease the horizontal registration (left margin).  
- move it to the front to increase the horizontal registration (left margin).



F-1-146

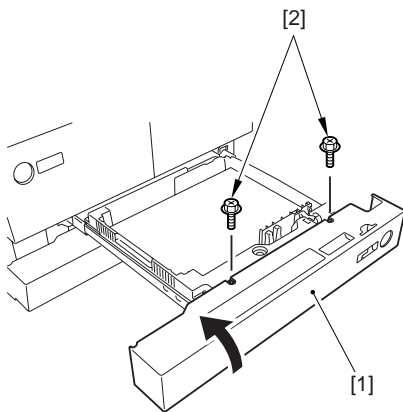
- 5) Check to make sure that the horizontal registration value (L; left margin) of the image made on paper from cassette 3/4 is 2.5 +/-1.5 mm.



F-1-147

[1] Paper movement

- 6) When done, tighten the 2 fixing screws loosened in step 3).  
 7) Shift up the cassette front cover [1] in the direction of the arrow, and secure it in place using 2 screws [2].



F-1-148

- 8) Put cassette 3/4 back inside the machine.  
 9) When done, execute the following service mode items:

**Cassette 3**

COPIER > FUNCTION > CST > C3-STMTR  
 COPIER > FUNCTION > CST > C3-A4R

- Register the paper width basic value for cassette 3.  
 9-1) Place STMTR paper in the cassette 3, and move the side guide plate to suit the STMTR width.  
 9-2) Select C3-STMTR in service mode to high-

light, and press the OK key so that adjustment will be executed and the value will be registered automatically.

- 9-3) Likewise, repeat steps 9.1) and 9.2) for A4R.

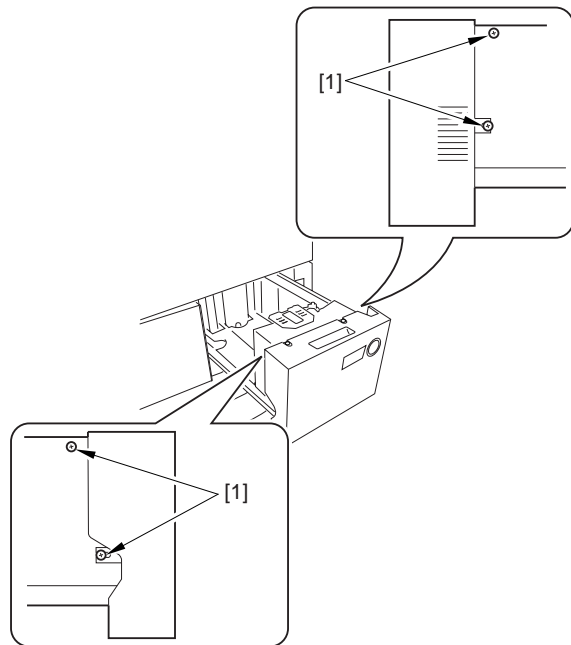
**Cassette 4**

COPIER > FUNCTION > CST > C4-STMTR  
 COPIER > FUNCTION > CST > C4-A4R

Perform the work you performed for cassette 3.

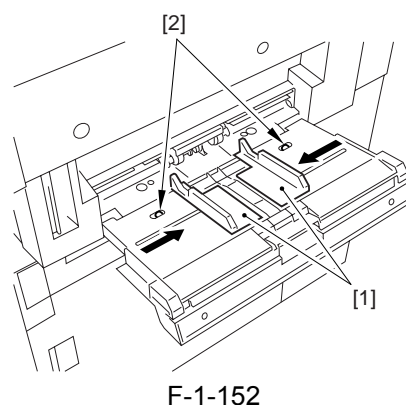
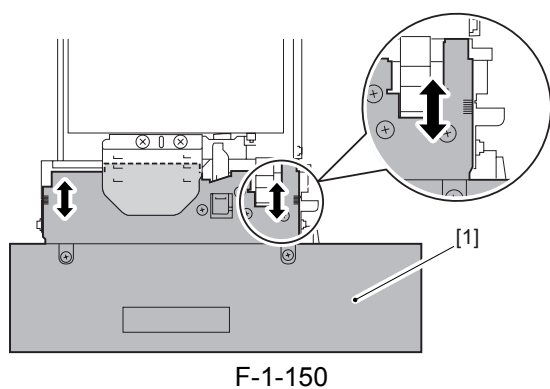
**<Front Deck Left/Right>**

- 1) Press the release button of the front deck (left/right), and slide out the deck.  
 2) Loosen the 4 screws [1].

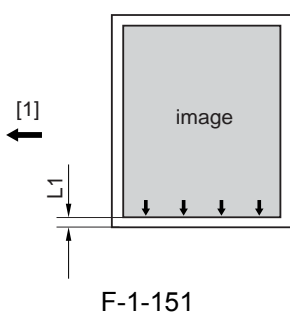


F-1-149

- 3) Move the cassette guide assembly (front) [1] to the front or the rear to make adjustments.  
 - move the guide plate to the rear to decrease the horizontal registration (left margin).  
 - move the guide plate to the front to increase the horizontal registration (left margin).



- 4) Check to see that the horizontal registration (L; left/right margin) of the images made on paper from the front deck (left/right) is  $2.5 \pm 1.5$  mm.



[1] Paper movement

- 5) Tighten the 4 screws you loosened in step 2).  
6) Put the front deck (left/right) back in place.

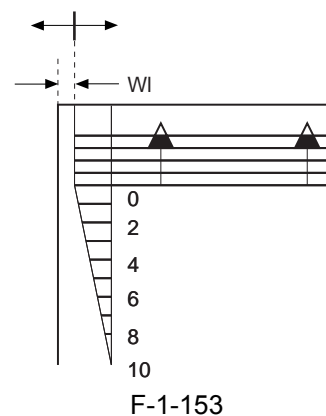
#### <Manual Feeder Tray>

- 1) Move the side guide plate [1] to the center, and loosen the 2 manual feeder tray mounting screws [2]; then, adjust the position of the manual feeder tray.

#### <Duplexing Transport Unit>

- 1) Make the following selections in service mode:  
COPIER > ADJUST > FEED-ADJ > ADJ-REFER  
so that the image margin on the 2nd side will be as indicated.
- if the margin is too large, decrease the setting of ADJ-REFER (a change of 10 will decrease the margin by 1 mm).
  - if the margin is too small, increase the setting of DJ-REFER (a change of 10 will increase the margin by 1 mm).

$W1 = 2.5 \pm 2.0$  mm



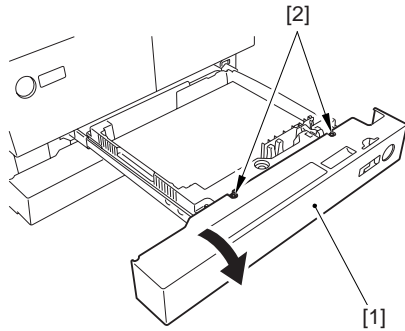
## 1.2.22 Adjusting the Horizontal Registration

0012-2060

iR7095P / /

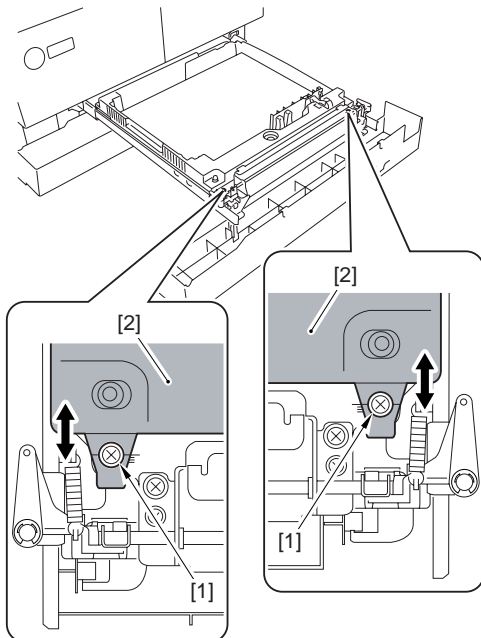
<Cassette 3/4>

- 1) Press the release button of cassette 3/4, and slide out the cassette.
- 2) Shift down the cassette front cover [1] in the direction of the arrow.  
- 2 screws [2]



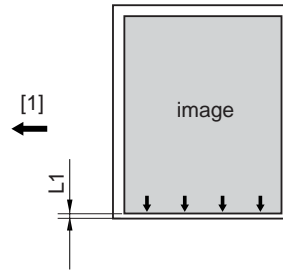
F-1-154

- 3) Loosen the 2 fixing screws [1] found on the right/left of the cassette.
- 4) Move the cassette case [2] to the front or the rear to make adjustments.  
- move it to the rear to decrease the horizontal registration (left margin).  
- move it to the front to increase the horizontal registration (left margin).



F-1-155

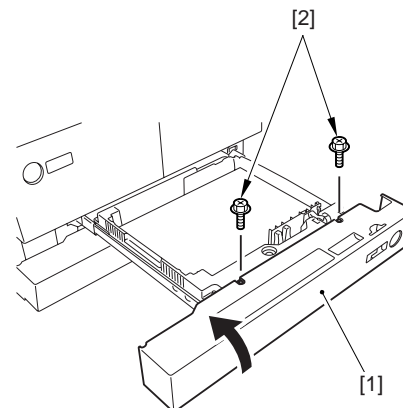
- 5) Check to make sure that the horizontal registration (left margin) on prints using cassette 3/4 as the source of paper is 2.5 +/-1.5 mm.



F-1-156

[1] Paper movement

- 6) When done, tighten the 2 fixing screws loosened in step 3).
- 7) Shift up the cassette front cover [1] in the direction of the arrow, and secure it in place using 2 screws [2].



F-1-157

- 8) Put cassette 3/4 back inside the machine.
- 9) When done, execute the following service mode items:

**Cassette 3**

COPIER > FUNCTION > CST > C3-STMTR

COPIER > FUNCTION > CST > C3-A4R

Register the paper width basic value for cassette 3.

- 9-1) Place STMTR paper in the cassette 3, and move the side guide plate to suit the STMTR width.
- 9-2) Select C3-STMTR in service mode to high-

light, and press the OK key so that adjustment will be executed and the value will be registered automatically.

9-3) Likewise, repeat steps 9.1) and 9.2) for A4R.

#### Cassette 4

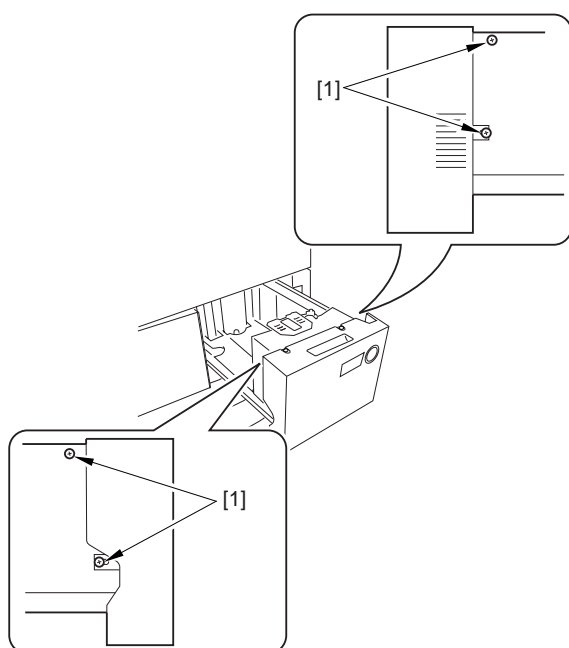
COPIER > FUNCTION > CST > C4-STMTR

COPIER > FUNCTION > CST > C4-A4R

Perform the work you performed for cassette 3.

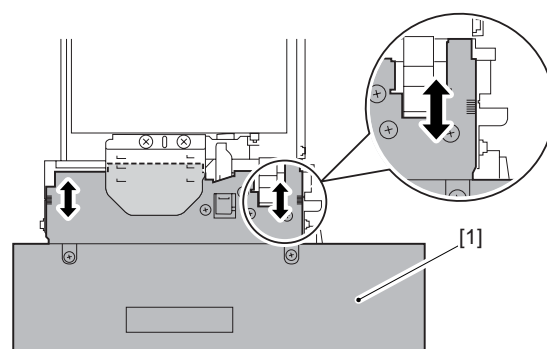
#### <Front Deck Left/Right>

- 1) Press the release button of the front deck (left/right), and slide out the deck.
- 2) Loosen the 4 screws [1].



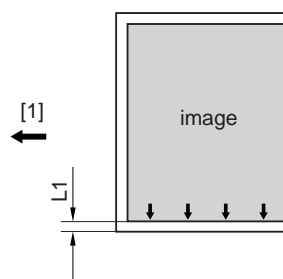
F-1-158

- 3) Move the cassette guide assembly (front) [1] to the front or the rear to make adjustments.
  - move the guide plate to the rear to decrease the horizontal registration (left margin).
  - move the guide plate to the front to increase the horizontal registration (left margin).



F-1-159

- 4) Check to make sure that the horizontal registration (left/right margin) on prints using the front deck (left/right) is 2.5 +/-1.5 mm.



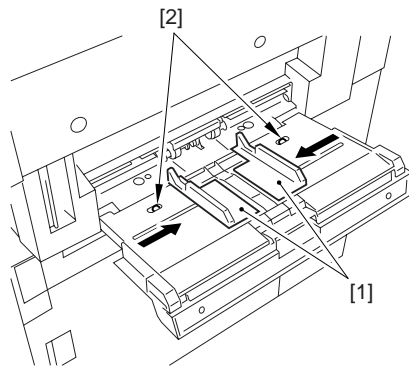
F-1-160

[1] Paper movement

- 5) Tighten the 4 screws you loosened in step 2).
- 6) Put the front deck (left/right) back in place.

#### <Manual Feeder Tray>

- 1) Move the side guide plate [1] to the center, and loosen the 2 manual feeder tray mounting screws [2]; then, adjust the position of the manual feeder tray.

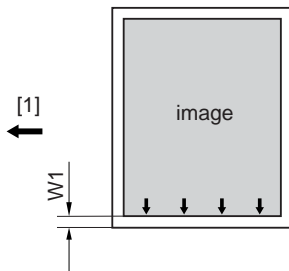


F-1-161

**<Duplexing Transport Unit>**

- 1) Make the following selections in service mode:  
 COPIER > ADJUST > FEED-ADJ > ADJ-REFER  
 so that the image margin on the 2nd side will be as indicated.  
 - if the margin is too large, decrease the setting of ADJ-REFER (a change of 10 will decrease the margin by 1 mm).  
 - if the margin is too small, increase the setting of DJ-REFER (a change of 10 will increase the margin by 1 mm).

$W1=2.5 +/-2.0$  mm



F-1-162

[1] Paper movement

**1.2.23 Adjusting the Lead**

**Edge Registration**

0011-3857

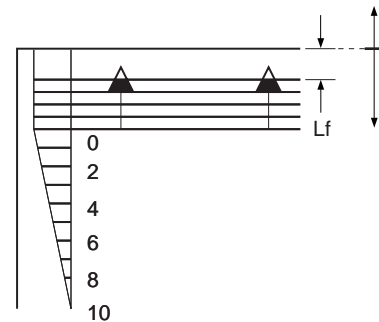
iR7105 / iR7095 / iR7086 /

- 1) Make the following selections in service mode so that the image margin will be as indicated: COPIER

> ADJUST > FEED-ADJ > REGIST.

- if the margin is too large, increase the setting of REGIST (a change of 10 will decrease the margin by 1 mm).
- if the margin is too small, decrease the setting of REGIST (a change of 10 will increase the margin by 1 mm).

$Lf=4.0+1.5/-1.0$



F-1-163

**1.2.24 Adjusting the Lead**

**Edge Registration**

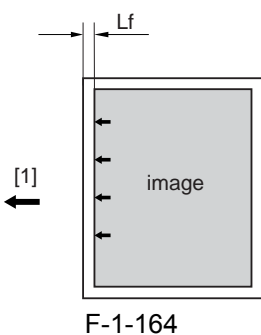
0012-2061

iR7095P / /

- 1) Make the following selections in service mode so that the image margin will be as indicated: COPIER > ADJUST > FEED-ADJ > REGIST.  
 - if the margin is too large, increase the setting of REGIST (a change of 10 will decrease the margin by 1 mm).  
 - if the margin is too small, decrease the setting of REGIST (a change of 10 will increase the margin by 1 mm).

$Lf=4.0+1.5/-1.0$





F-1-164

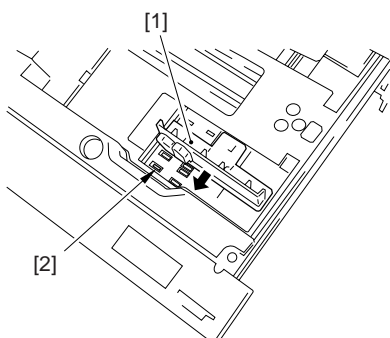
[1] Paper movement

## 1.2.25 Setting the Cassette

0010-8964

iR7105 / iR7095 / iR7086 / iR7095P / / /

- 1) Press the release button of cassette 3/4, and slide out the cassette.
- 2) Fit the side guide plate [1] in the hole (A4/A3) identified by the marking M [2].

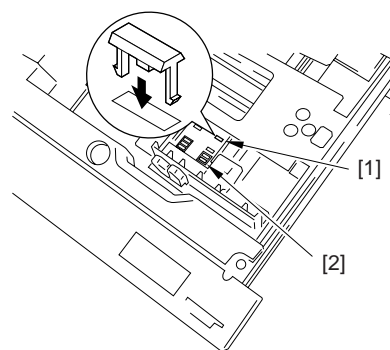


F-1-165

- 3) Fit the included inch block from inside the cassette so that the hole (STMT-R) of marking A [1] and the hole (LTR-R) of marking H [2] are covered.



- Be sure there is no gap.
- Perform the foregoing steps if the user is going to use AB series sheets only.



F-1-166

- 4) Put the cassettes back in the machine.

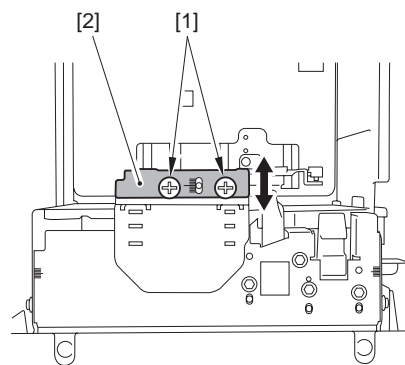
## 1.2.26 Correcting the Skew

0011-4484

iR7105 / iR7095 / iR7086 / iR7095P / / /

If paper from the left/right deck moves askew, go through the following:

- 1) Loosen the 2 screws [1].
- 2) Push the side guide plate (front) [2] against the paper.



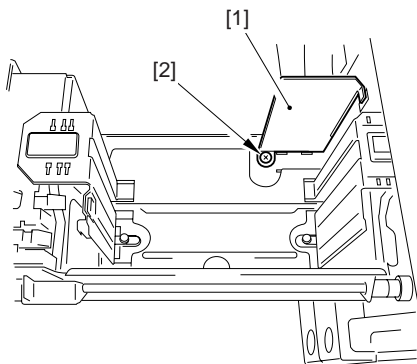
F-1-167

- 3) With the side guide plate (front) against the paper, tighten the screw.

## 1.2.27 Switching Over the Paper Size for the Front Deck (right, left) 0010-8997

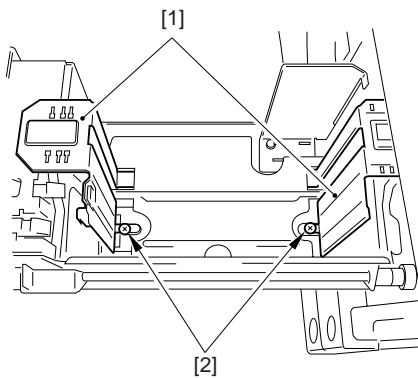
iR7105 / iR7095 / iR7086 / iR7095P / / /

- 1) Press the front deck release button, and slide out the deck.
- 2) Remove the screw [2] of the rear guide plate [1], and fix the guide plate in place to match the size specified by the user.



F-1-168

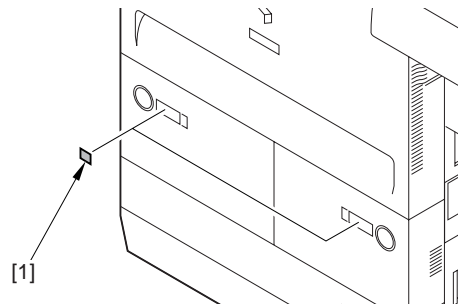
- 3) Remove the screw [2] from the left/right guide plate [1], and fix the guide plate in place to match the size specified by the user.



F-1-169

- 4) Put paper in the front deck.
- 5) Close the front deck.
- 6) Choose the appropriate deck size label [1] from the backing paper (cassette/deck), and attach it to the

paper size plate of the deck.



F-1-170

- 7) Start service mode, and register the front deck paper size.

**MEMO:**

right deck: COPIER > OPTION > CST > P-SZ-C1  
 left deck: COPIER > OPTION > CST > P-SZ-C2  
 A4=6, B5=15, LTR=18

- 8) When done, go through the shut-down sequence to turn off and then on the main power.

## 1.2.28 Checking the Operation in a System Configuration 0011-4297

iR7105 / iR7095 / iR7086 / iR7095P / / /

- 1) Install the accessories according to their respective Installation Procedures.
- 2) Check to make sure that all accessories have been connected correctly.
  - Make a check in service mode:
    - Start service mode, and make the following selections: COPIER > OPTION > ACCPST-D > ACC1 through 8.
    - Check to see that the order and the model names are indicated correctly.
    - End service mode.
  - Click 'system status/stop' to check the device information.
    - Check to make sure that all connected accesso-

ries are indicated.

3) Check the operation using the accessories.

- Make sure paper does not jam, move askew, or fail to deposit properly.



## 1.3 Checking the Connection to the Network

### 1.3.1 Checking the Network Connections

0010-9001

iR7105 / iR7095 / iR7086 /



Perform the following work only if the machine is connected to a network.

- 1) Go through the shut-down sequence to turn off the main power.
- 2) Connect the network cable to the machine, and turn on the main power switch.
- 3) Tell the user's system administrator that the machine has been installed, and ask him/her to make the machine's network settings.



The following additional functions items must be set to 'ON' when making network settings:  
system administrator setup > network setup > change network settings/check connection.

- 4) When the network settings have been made, go through steps 1) thorough 3) to turn off and then on the main power so that the settings will become valid.

### 1.3.2 Checking the Network Connections

0012-2894

iR7095P / /

- 1) Go through the shut-down sequence to turn off the main power.
- 2) Connect the network cable to the machine, and turn

on the main power switch.

- 3) Tell the user's system administrator that the machine has been installed, and ask him/her to make the machine's network settings.



The following additional functions items must be set to 'ON' when making network settings:

system administrator setup > network setup > change network settings/check connection.

- 4) When the network settings have been made, go through steps 1) thorough 3) to turn off and then on the main power so that the settings will become valid.

### 1.3.3 Using the PING Command

0010-9002

iR7105 / iR7095 / iR7086 /

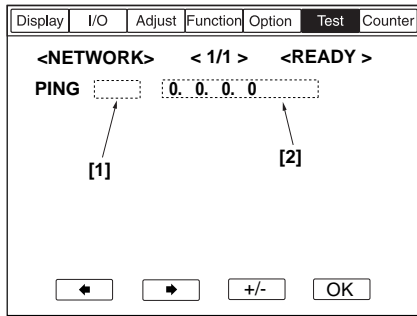


Perform the following work only if the machine is connected to a network:

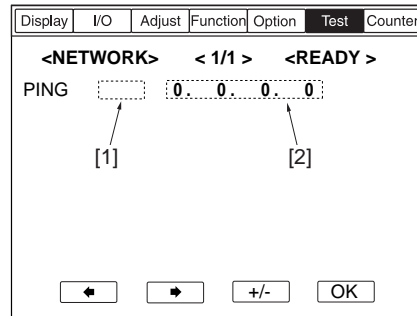
If the user environment is TCP/IP, use the PING command to see if the main controller PCB has been correctly mounted and the network settings have been correctly made.

If the user environment is IPX/SPX or AppleTalk, on the other hand, these checks are not necessary.

- 1) Make the following settings in service mode:  
COPIER > TEXT > NETWORK > PING.
- 2) Type in the IP address using the control panel keypad, and press the OK key.
- 3) Press the OK key.
  - When the check with the PING command is successful, 'OK' will be indicated; otherwise, 'NG' will be indicated.



F-1-171



F-1-172

- [1] Result (OK/NG)
- [2] IP address input

### 1.3.4 Using the PING Command

0012-2898

iR7095P / /



If the user environment is TCP/IP, use the PING command to see if the main controller PCB has been correctly mounted and the network settings have been correctly made.

If the user environment is IPX/SPX or AppleTalk, on the other hand, these checks are not necessary.

- 1) Make the following settings in service mode:  
COPIER > TEXT > NETWORK > PING.
- 2) Type in the IP address using the control panel keypad, and press the OK key.
- 3) Press the "?" (help key) key.
  - When the check with the PING command is successful, 'OK' will be indicated; otherwise, 'NG' will be indicated.

- [1] Result (OK/NG)
- [2] IP address input

### 1.3.5 Making a Check Using a Remote Host Address

0010-9003

iR7105 / iR7095 / iR7086 / iR7095P / / /

You can check to see if the connection to the network is correct by executing the PING command using a remote host address.

**MEMO:**

A remote host address refers to the IP address of a PC connected to the TCP/IP network to which the machine is also connected.

- 1) Tell the user's system administrator that you are going to check the connection to the network using the PING command.
- 2) Check with the system administrator to find out the remote host address.
- 3) Type in the remote host address for 'PING'.
- 4) If 'OK' is indicated, the connection to the network is correct.
- 5) If 'NG' is indicated, the connection to the network is not correct; go through the following steps:

## 1.4 Troubleshooting the Network

### 1.4.1 Troubleshooting the Network

0010-9004

iR7105 / iR7095 / iR7086 /



Perform the following work only if the machine is connected to the network:

An attempt to connect to the network may fail because of the following:

- a. faulty connection between network and main controller PCB
- b. incorrect machine settings or TCP/IP settings
- c. faulty main controller PCB, faulty mounting of the PCB
- d. faulty user network

### 1.4.2 Troubleshooting the Network

0012-2889

iR7095P / /

An attempt to connect to the network may fail because of the following:

- a. faulty connection between network and main controller PCB
- b. incorrect machine settings or TCP/IP settings
- c. faulty main controller PCB, faulty mounting of the PCB
- d. faulty user network

### 1.4.3 Making a Check Using a Loop Back Address

0010-9005

iR7105 / iR7095 / iR7086 / iR7095P / / /

A loop back address comes back before reaching the main controller PCB. Executing the PING command using it will enable a check on the TCP/IP settings of the machine.

- 1) Type in the loop back address (127.0.0.1) for 'PING'.
  - if 'NG' is indicated, check the TCP/IP settings of the machine, and execute the PING command once again.
  - if 'OK' is indicated, check the local host address.

### 1.4.4 Making a Check Using a Local Host Address

0010-9006

iR7105 / iR7095 / iR7086 / iR7095P / / /

A local host address is the IP address of the machine, and it comes back after reaching the main controller PCB, thus enabling a check on the machine itself.

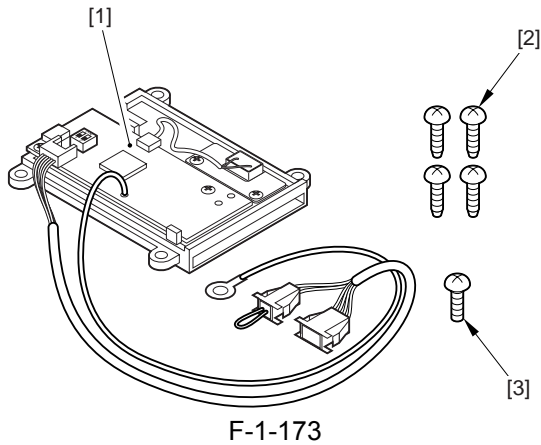
- 1) Type in the IP address of the machine for 'PING'
  - if 'NG' is indicated, make the following checks or take the following action, and execute the PING command once again:
    - a. the IP address of the machine may be faulty. Check with the system administrator to see if the IP address settings of the machine are correct and the IP address assigned to the machine is correct.
    - b. the main controller PCB may have poor connection. Check the connectors of the main controller PCB.
    - c. the main controller PCB may be faulty. Replace the controller PCB.
  - if 'OK' is indicated, suspect a fault in the user's network environment. Report to the system administrator for remedial action.

## 1.5 Installing the Card Reader

### 1.5.1 Checking the Contents

0010-9008

iR7105 / iR7095 / iR7086 / iR7095P / / /



F-1-173

T-1-1

- |     |                                 |        |
|-----|---------------------------------|--------|
| [1] | Card reader unit                | 1 pc.  |
| [2] | Screw (binding; B tight; M3x10) | 4 pc.* |
| [3] | Screw (flat-head; small; M4x6)  | 1 pc.* |

\* No use in the host machine.

### 1.5.2 Installing the Card Reader-D1

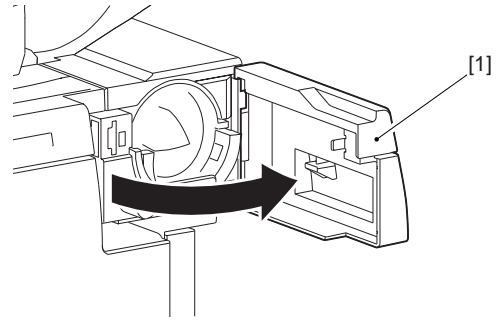
0010-9009

iR7105 / iR7095 / iR7086 /

- 1) Start service mode, and make the following selections:  
COPIER > FUNCTION > INSTALL > CARD;  
then, type in the lowest of the card numbers to be used (1 through 2001). As many as 1000 cards starting with the number you have entered may be used.
- 2) Go through the shut-down sequence to turn off the

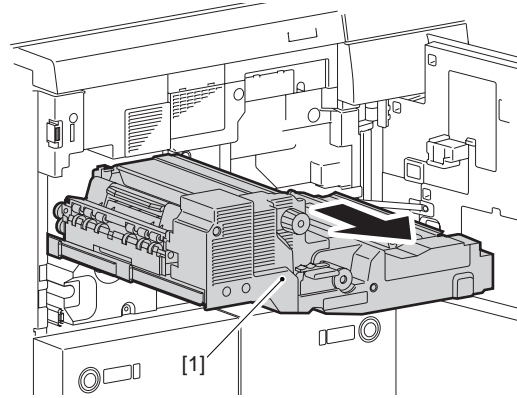
main power.

- 3) Open the hopper cover [1].



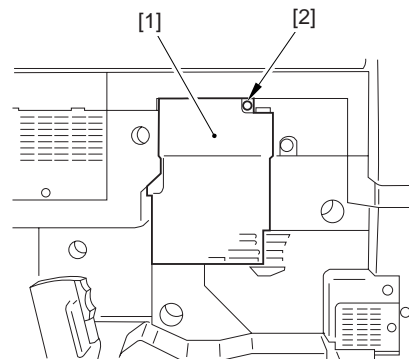
F-1-174

- 4) Open the front cover.
- 5) Slide out the fixing transport unit [1].



F-1-175

- 6) Remove the primary charging assembly front cover [1].  
- screw [2]

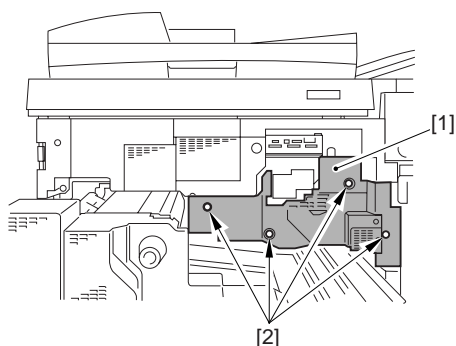


F-1-176

- 7) Remove the process unit cover [1].



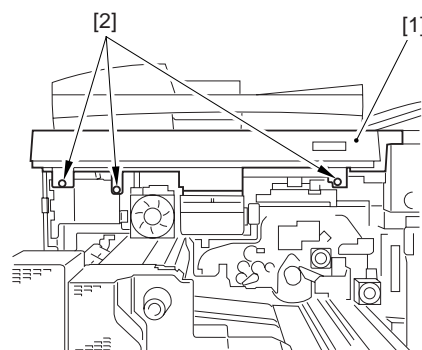
- 4 screws [2]



F-1-177

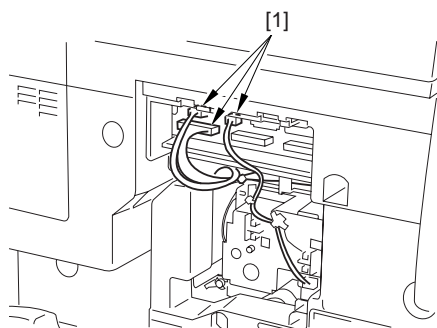
10) Remove the upper front cover unit [1].

- 3 screws [2]



F-1-180

8) Disconnect the 3 connectors [1].

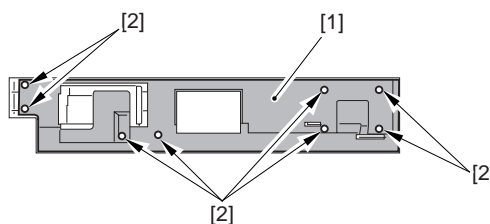


F-1-178

11) Remove the upper front cover unit lower cover

[1].

- 8 screws [2]



F-1-181

9) Remove the upper inside cover [1].

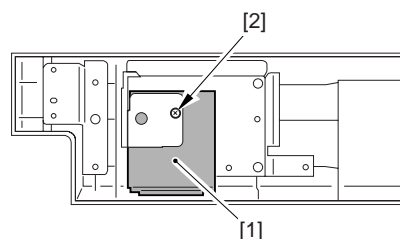
- 5 screws [2]



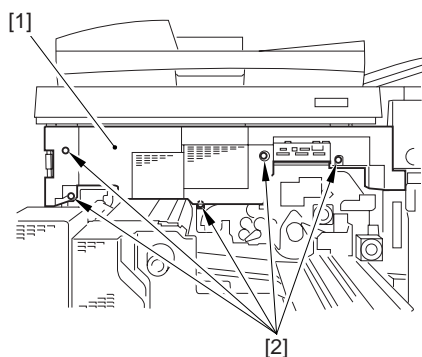
Do not drop the screws.

12) Remove the card reader base [1].

- screw [2]



F-1-182



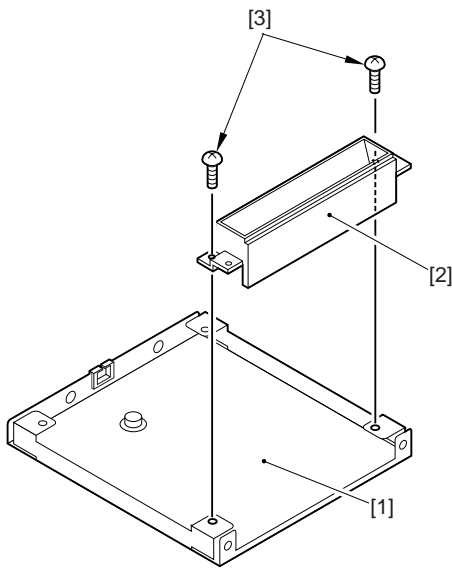
F-1-179

13) Remove the face plate [2] from the card reader

base [1].

- 2 screws [3]

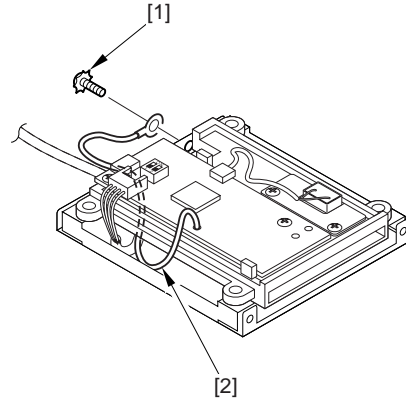
(The removed part will be used in step 18).)



F-1-183

17) Remove the toothed screw [1] from the rear of the card reader base.

Fix the grounding wire [2] in place using the toothed screw [1] you have removed.

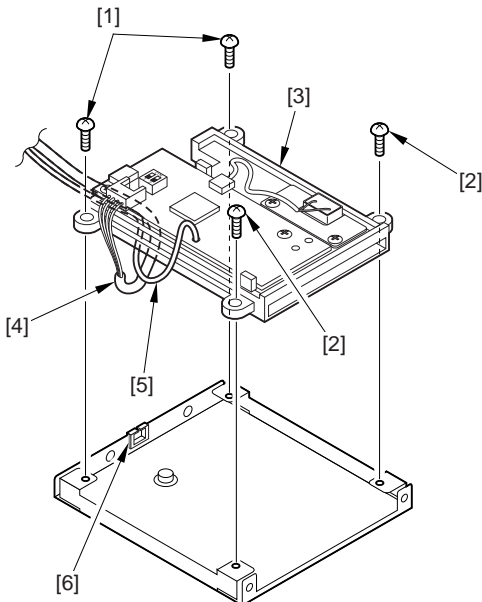


F-1-185

14) Remove the 2 screws [1] from the top of the card reader base.

15) Mount the card reader [3] using the 2 screws [2] used to hold the face plate in place and the 2 screws [1] you have removed previously.

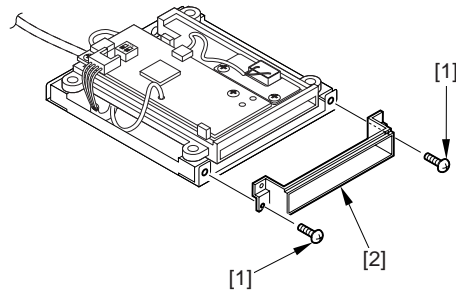
16) Route the harness [4] and the grounding wire [5] under the card reader as shown and through the edge saddle [6].



F-1-184

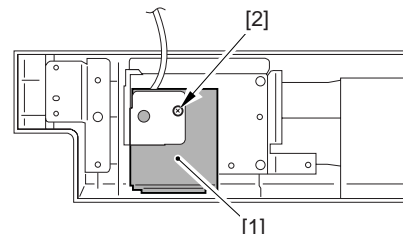
18) Remove the 2 screws [1] from the front of the card reader base.

Change the orientation of the face plate [2] you have removed in step 13), and fix it in place using 2 screws [1] you have removed previously.



F-1-186

19) Mount the card reader base to the upper front cover unit.



F-1-187

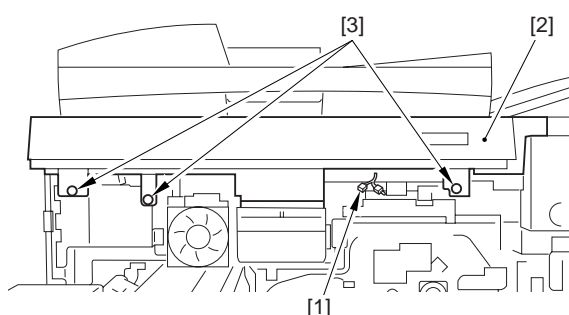
- 20) Mount the upper front cover unit lower cover to the upper front cover unit.



Take care not to trap the cable by the upper front cover unit and the upper front cover unit lower cover.

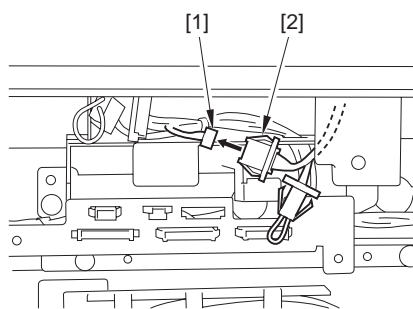
- 21) Lead the cable [1] of the card reader to the front of the upper front cover unit [2], and mount the upper front cover unit [2] to the machine.

- 3 screws [3]



F-1-188

- 22) Connect the connector [1] of the machine and the relay connector [2] of the card reader.



F-1-189

- 23) Mount the covers by going through the steps used to remove them but only in reverse:

- mount the upper inside cover.
- connect the connector.
- mount the process unit cover.
- mount the primary charging assembly front cover.
- push in the fixing transport unit.
- close the front cover and the hopper cover.

- 24) Connect the machine's power plug, and turn on the

main power switch.

### 1.5.3 Installing the Card Reader-D1

0012-2059

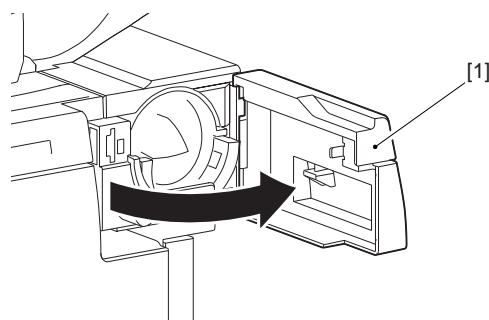
iR7095P / /

- 1) Start service mode, and make the following selections:

COPIER > FUNCTION > INSTALL > CARD;  
then, type in the lowest of the card numbers to be used (1 through 2001). As many as 1000 cards starting with the number you have entered may be used.

- 2) Go through the shut-down sequence to turn off the main power.

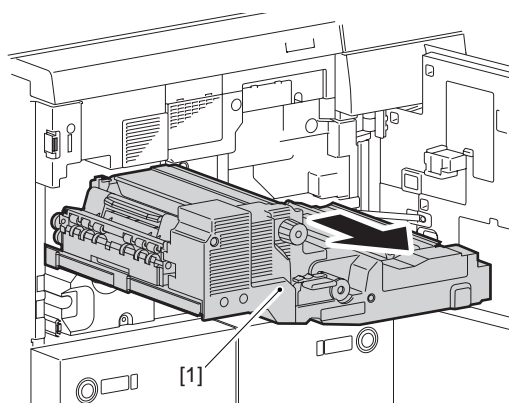
- 3) Open the hopper cover [1].



F-1-190

- 4) Open the front cover.

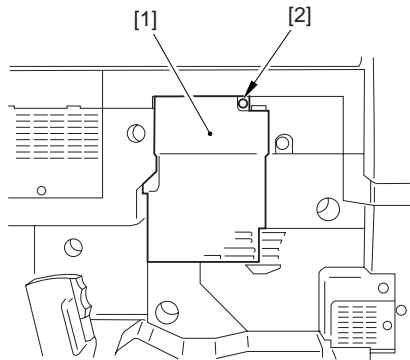
- 5) Slide out the fixing transport unit [1].



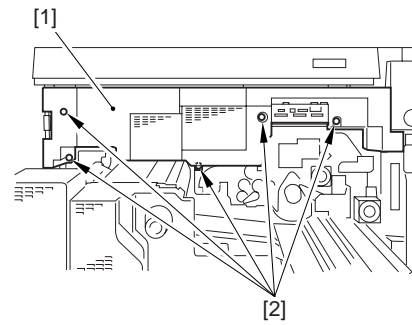
F-1-191

- 6) Remove the primary charging assembly front cover [1].

- screw [2]



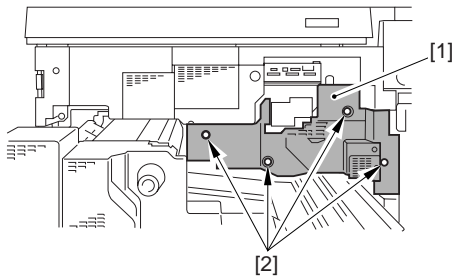
F-1-192



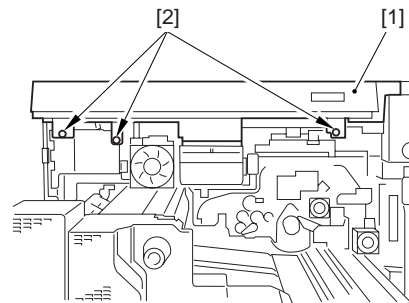
F-1-195

10) Remove the upper front cover unit [1].  
- 3 screws [2]

7) Remove the process unit cover [1].  
- 4 screws [2]



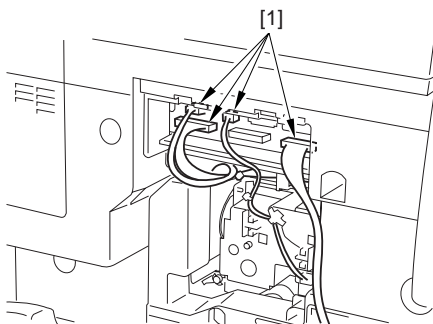
F-1-193



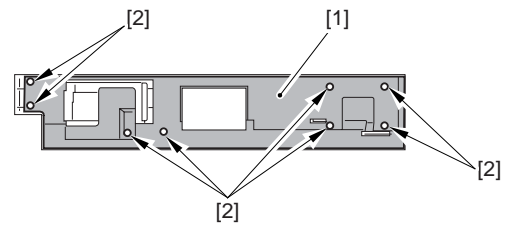
F-1-196

11) Remove the upper front cover unit lower cover [1].  
- 8 screws [2]

8) Disconnect the 4 connectors [1].



F-1-194



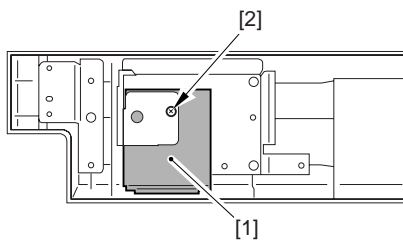
F-1-197

12) Remove the card reader base [1].  
- screw [2]

9) Remove the upper inside cover [1].  
- 5 screws [2]

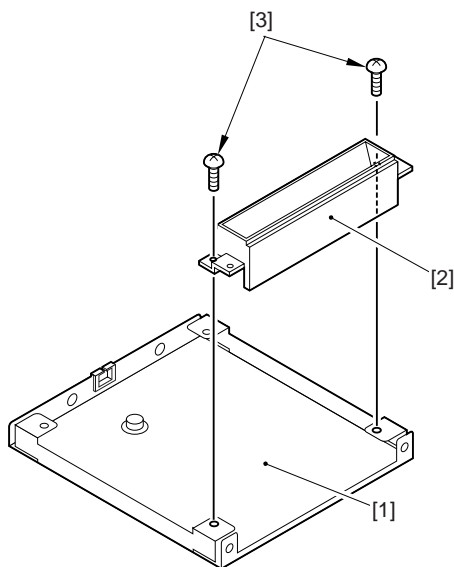


Do not drop the screws.



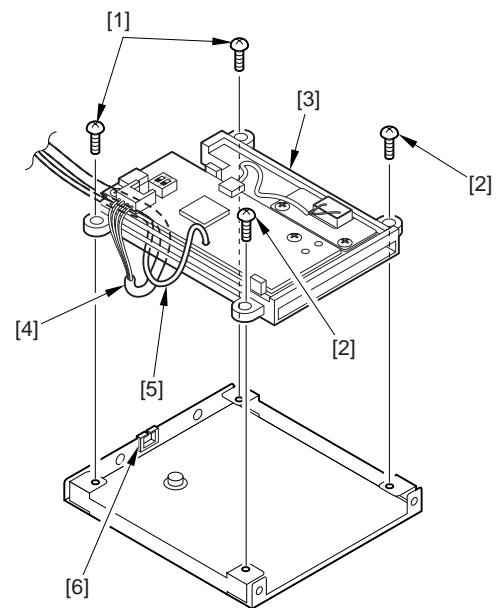
F-1-198

- 13) Remove the face plate [2] from the card reader base [1].  
 - 2 screws [3]
- (The removed part will be used in step 18).)



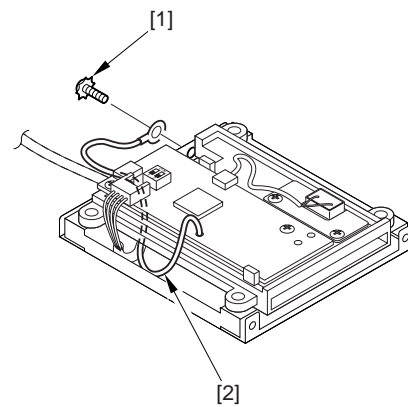
F-1-199

- 14) Remove the 2 screws [1] from the top of the card reader base.
- 15) Mount the card reader [3] using the 2 screws [2] used to hold the face plate in place and the 2 screws [1] you have removed previously.
- 16) Route the harness [4] and the grounding wire [5] under the card reader as shown and through the edge saddle [6].



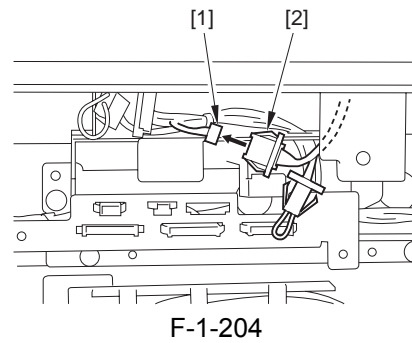
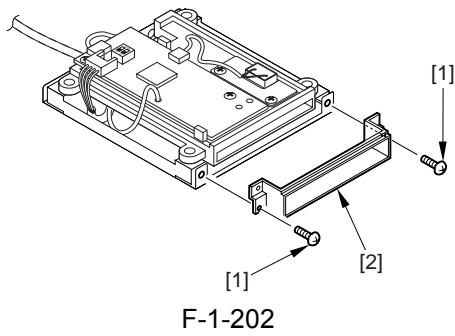
F-1-200

- 17) Remove the toothed screw [1] from the rear of the card reader base.
- Fix the grounding wire [2] in place using the toothed screw [1] you have removed.



F-1-201

- 18) Remove the 2 screws [1] from the front of the card reader base.
- Change the orientation of the face plate [2] you have removed in step 13), and fix it in place using 2 screws [1] you have removed previously.

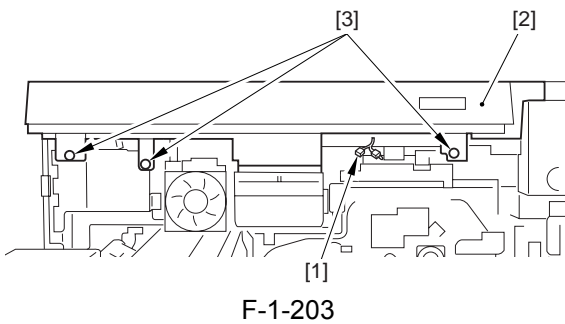


- 19) Mount the card reader base to the upper front cover unit.
- 20) Mount the upper front cover unit lower cover to the upper front cover unit.



Take care not to trap the cable by the upper front cover unit and the upper front cover unit lower cover.

- 21) Lead the cable [1] of the card reader to the front of the upper front cover unit [2], and mount the upper front cover unit [2] to the machine.
  - 3 screws [3]



- 22) Connect the connector [1] of the machine and the relay connector [2] of the card reader.

- 23) Mount the covers by going through the steps used to remove them but only in reverse:
  - upper inside cover.
  - connector.
  - process unit cover.
  - primary charging assembly front cover.
  - fixing transport unit.
  - front cover and the hopper cover.
- 24) Connect the machine's power plug, and turn on the main power switch.

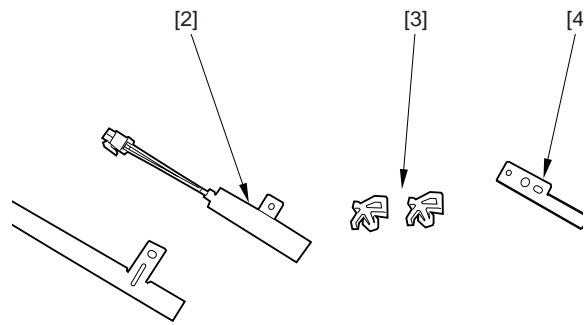


## 1.6 Installing the Reader Heater

### 1.6.1 Checking the Contents

0011-8534

iR7105 / iR7095 / iR7086 /



F-1-205

[1]	Mirror heater FK2-0229-000	1 pc.
[2]	Lens heater FK2-0228-000	1 pc.
[3]	Cable clamp WT2-0507-000	2 pc.
[4]	Heater harness retainer FC5-2945-000	1 pc.
[5]	Screw (RS tightening: M4X8) XB3-6400-805	4 pc.

### 1.6.2 Turning Off the Host Machine

0011-8536

iR7105 / iR7095 / iR7086 /

#### **⚠Turning Off the Main Power**

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

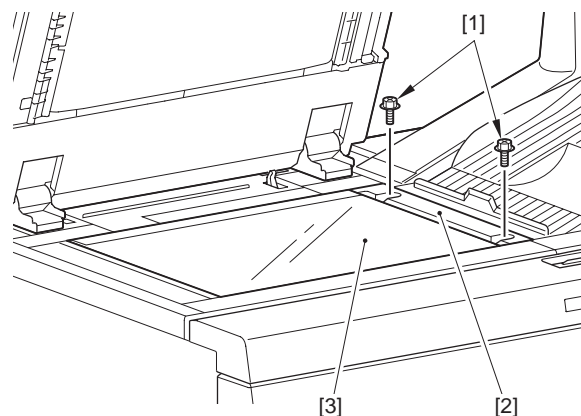
- [1] Hold down on the power switch on the control panel for 3 sec or more.
- [2] Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
- [3] Turn off the main power switch.
- [4] Disconnect the power cable (for the power outlet).

### 1.6.3 Installation Procedure

0011-8567

iR7105 / iR7095 / iR7086 /

- 1) Open the ADF.
- 2) Remove the 2 screws [1] and detach the glass retainer [2].
- 3) Remove the copyboard glass [3].



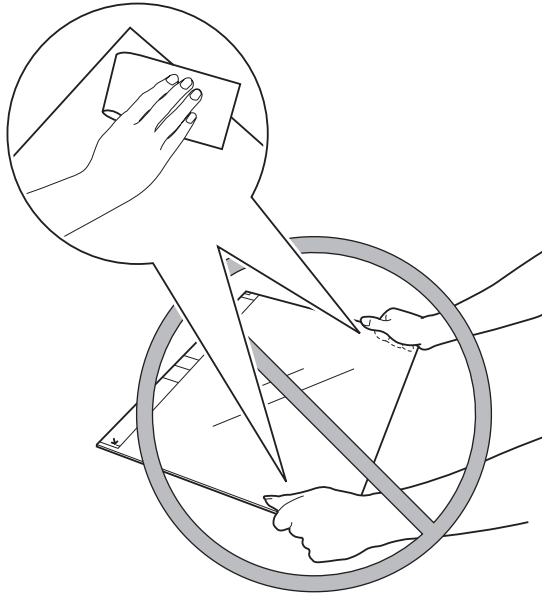
F-1-206





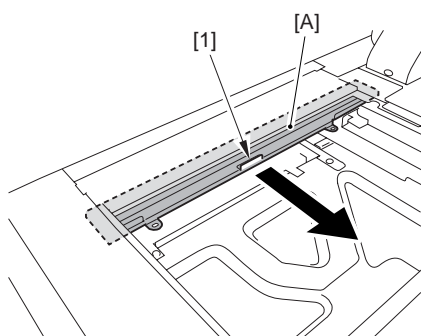
When removing the copyboard glass, be sure not to touch the glass surface and the white plate on the backside with your finger.

When dirt is attached, clean the glass with lint-free paper.



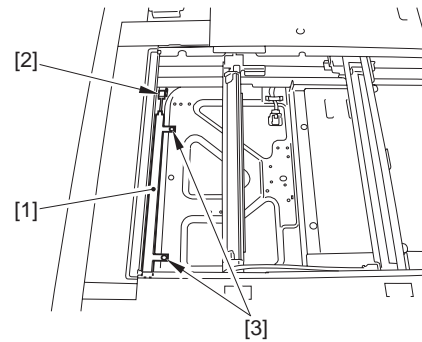
F-1-207

4) Hold the bended area [1] on the mirror stay and move the mirror 1 mount [A] in the right direction until it stops.



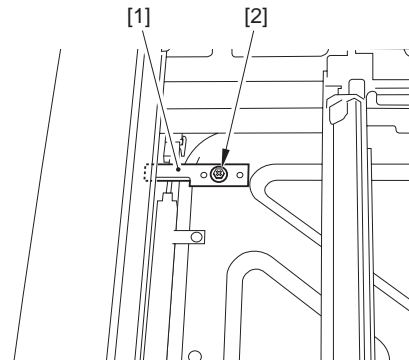
F-1-208

5) Insert the front side of the mirror heater [1] under the cable guide, connect the connector [2], and attach it with the 2 screws (RS tightening; M4X8) [3].



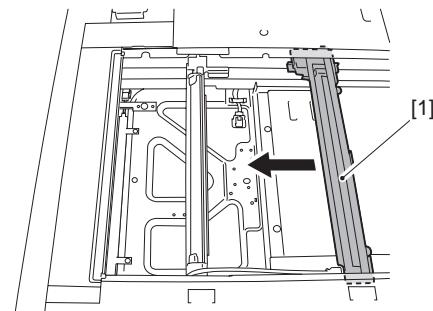
F-1-209

6) Attach the heater harness retainer [1].  
- 1 screw (RS tightening; M4X8) [2]



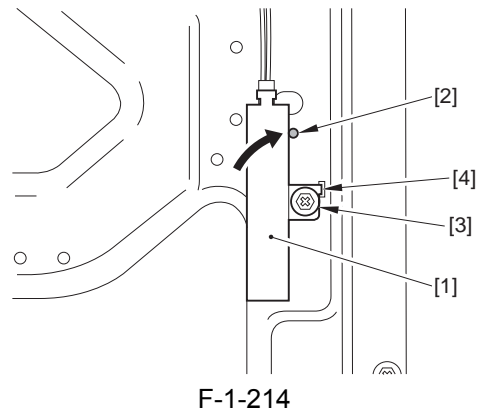
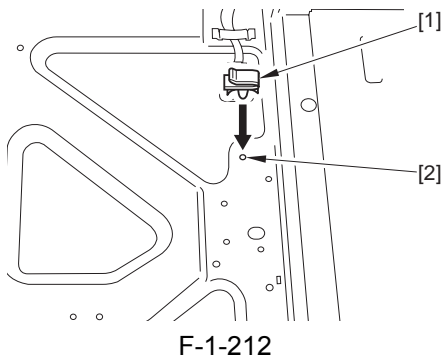
F-1-210

7) Move the mirror 1 mount [1] in the left direction until it stops at the original position.



F-1-211

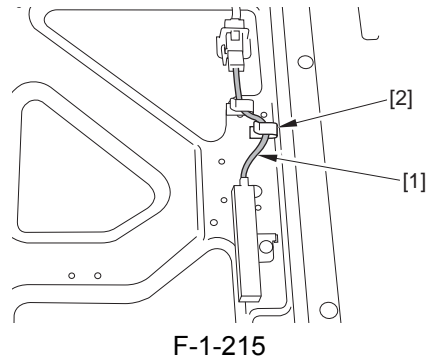
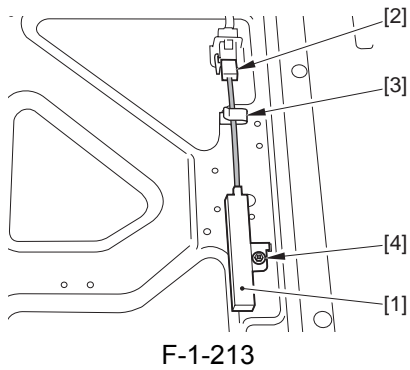
8) Insert the cable clamp [1] into the hole [2] of the frame.



9) Attach the lens heater [1].

- 1 connector [2]
- 1 cable clamp [3]
- 1 screw (RS tightening; M4X8) [4]

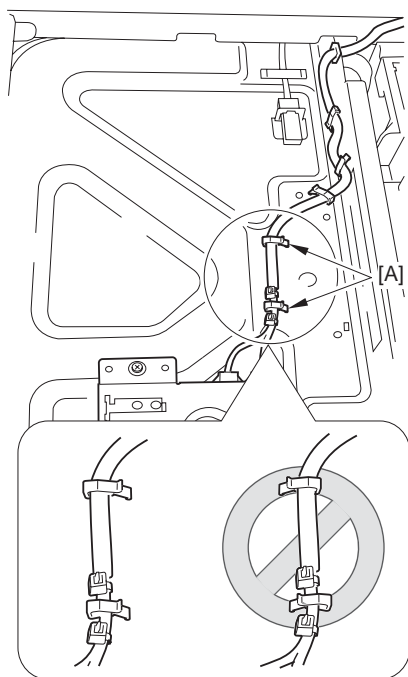
10) When the cable [1] is loosened, fix it by inserting the cable clamp [2] into the hole of the frame.



Tighten the screw [3] while pushing the lens heater [1] in the direction of the embossed section [2]. Be careful so that the claw [4] of the heater is not removed. Make sure that the bottom of the heater firmly contacts with the frame.

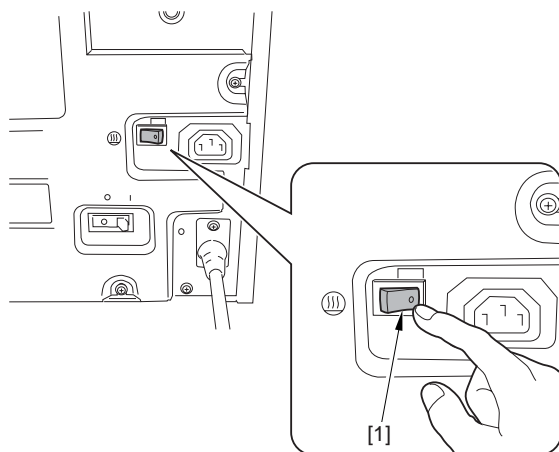


When the vertical size sensor kit is attached, make sure that the cable is attached to the 2 clamps [A].



F-1-216

- 11) Attach the copyboard glass and glass retainer in the procedure opposite to the removal procedure.
- 12) Turn ON the environmental switch [1] located on the rear left side of the main unit.



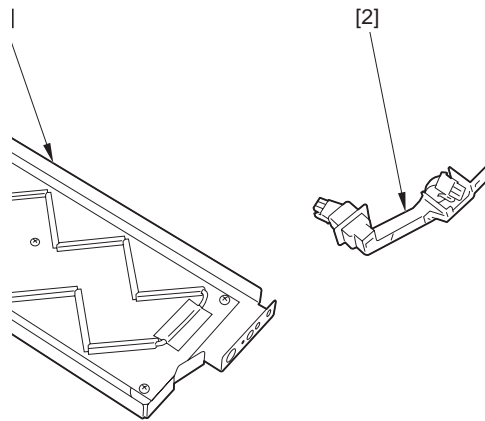
F-1-217

## 1.7 Installing the Cassette Heater

### 1.7.1 Checking the Contents

0011-6415

iR7105 / iR7095 / iR7086 / iR7095P / / /



F-1-218

[1]	Heater assembly	FG2-9812-000	1pc.
[2]	Heater cable guide	FG2-9195-000	1pc.
[3]	Screw (TP; M4X6)	XB6-7400-609	1pc.
[4]	Screw (RS tightening; M4X8)	XA9-0628-000	2pc.

### 1.7.2 Turning Off the Host Machine

0011-6416

iR7105 / iR7095 / iR7086 / iR7095P / / /

#### **⚠Turning Off the Main Power**

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

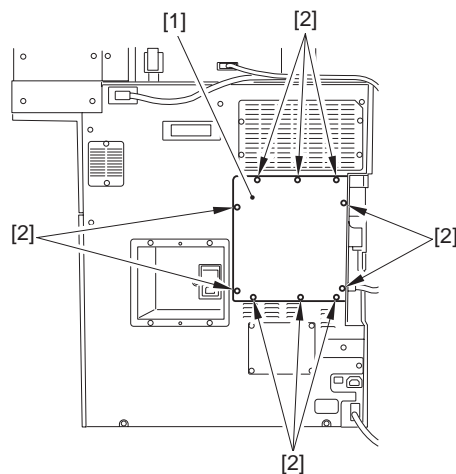
- [1] Hold down on the power switch on the control panel for 3 sec or more.
- [2] Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
- [3] Turn off the main power switch.
- [4] Disconnect the power cable (for the power outlet).

### 1.7.3 Mounting the Cassette Heater

0011-6417

iR7105 / iR7095 / iR7086 / iR7095P / / /

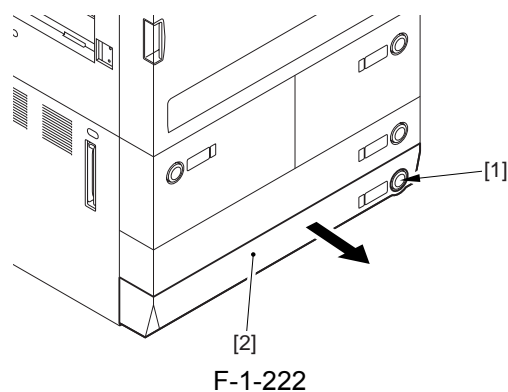
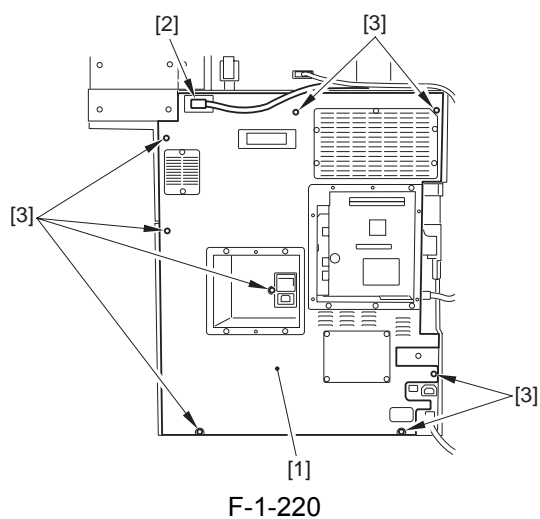
- 1) Remove the main controller box cover [1].
- 10 screws [2]



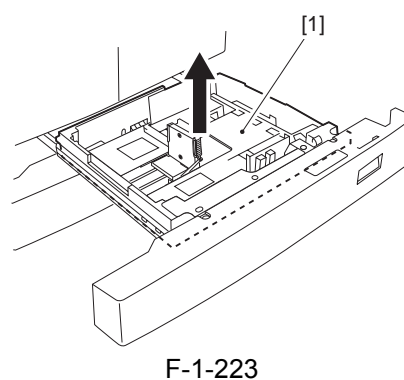
F-1-219

2) Remove the rear cover [1].

- reader power cable [2]
- 8 screws [3]

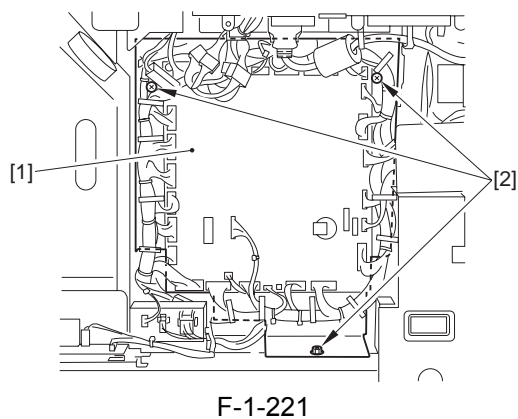


5) Lift the inside unit [1] of the cassette 4 to detach.



3) Remove the DC controller PCB [1] together with its base.

- all connectors
- Free the cable from the wire saddle.
- 3 screws [2]

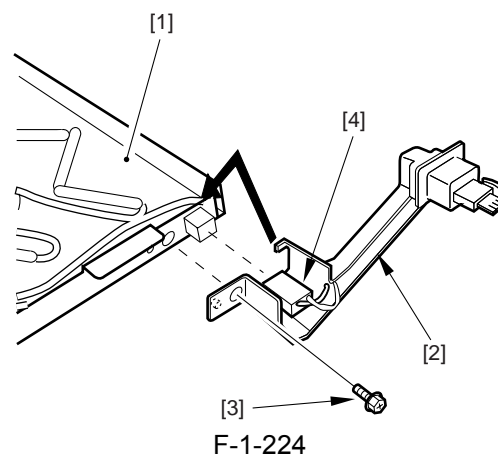


4) Press the release button [1], and slide out the cassette 4 [2].

6) Likewise, detach the inside unit of the cassette 3.

7) Mount the heater cable guide [2] to the heater unit [1].

- screw (TP; M4X6) [3] 1pc
- connector [4] 1pc

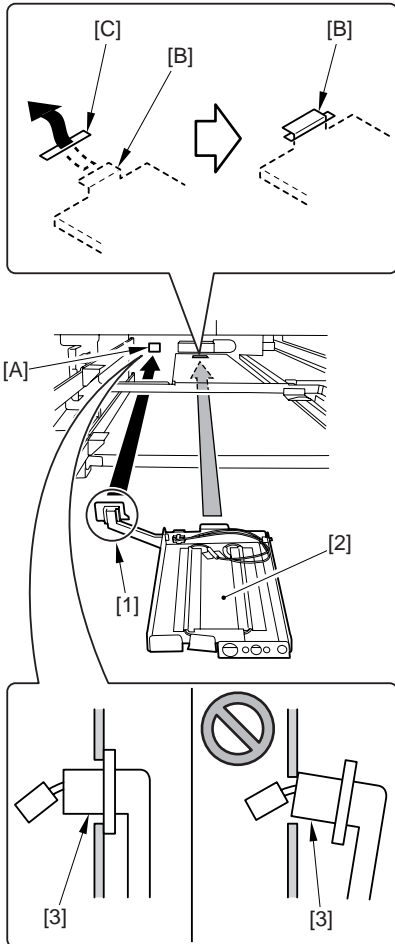


8) Lead the cassette heater connector [1] through the

long hole [A]; then, hook the metal plate [B] found at the rear of the cassette heater [2] on the hole [C] in the cassette stay.

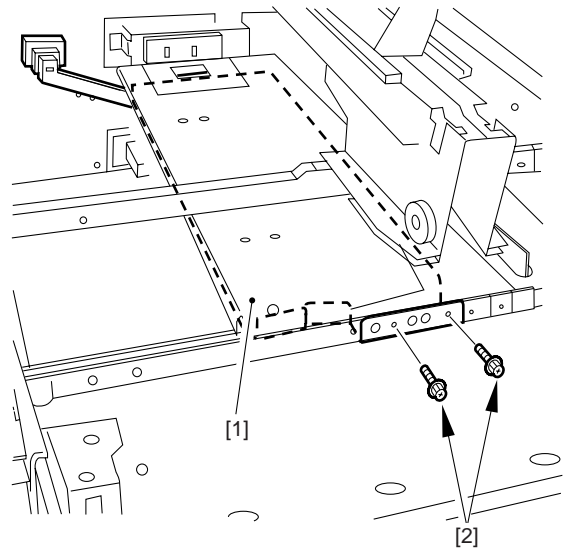


Check to make sure that the heater cord guide [3] is securely fitted in the long hole [A].



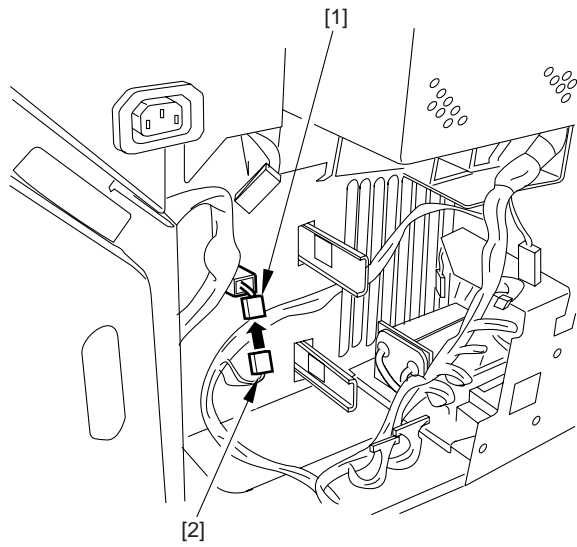
F-1-225

9) Secure the cassette stay [1] in place from the rear of the machine using two screws [2].



F-1-226

10) Mount the heater cable guide [2] to the herter unit [1].



F-1-227

11) Attach the parts that you have removed.

- DC controller PCB
- rear cover
- main controller box cover
- internal units of cassettes
- cassette 3,4

12) Connect the power plug, and turn on the machine's main power switch.

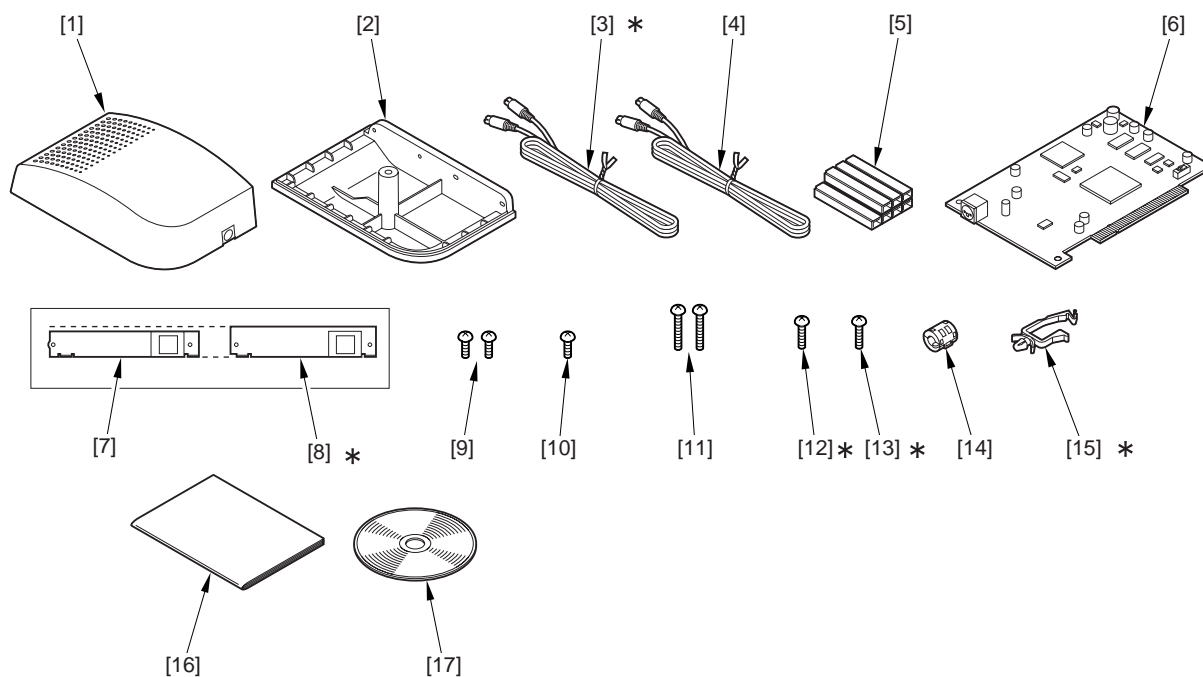
## 1.8 Installing the Voice Guidance Kit

### 1.8.1 Checking Items in the Package

0011-2709

iR7105 / iR7095 / iR7086 /

Below are the items included in the Voice Guidance Kit package.



F-1-228

[1]	Speaker unit (upper)	1 pc.
[2]	Speaker unit (lower)	1 pc.
[3]*	Cable (1300mm)	1 pc.
[4]	Cable (1850mm)	1 pc.
[5]	Cord guide (4 cord guide to be used)	7 pc.
[6]	Voice Guidance Board	1 pc.
[7]	Voice Guidance Board Face Plate	1 pc.
[8]*	Voice Guidance Board Face Plate	1 pc.
[9]	Binding screw (M3X6)	2 pc.
[10]	Binding screw (M4X6)	1 pc.
[11]	Binding screw (M4X40)	2 pc.
[12]*	Binding screw (M3X16)	1 pc.

[13]*	Binding screw (M4X16)	1 pc.
[14]	Ferrite core	1 pc.
[15]*	Clamp	1 pc.
[16]	Users Guide	1 pc.
[17]	User Manual CD-ROM	1 pc.

\*Not to be used for this machine

## 1.8.2 Turning Off the Host Machine

0011-8636

iR7105 / iR7095 / iR7086 /

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### Turning Off the Main Power

When turning off the main power, be sure to go through the following in strict sequence to protect the machine's hard disk:

- [1] Hold down on the power switch on the control panel for 3 sec or more.
  - [2] Operate on the touch panel according to the shut-down sequence indicated so that the main power switch may be turned off.
  - [3] Turn off the main power switch.
  - [4] Disconnect the power cable (for the power outlet).
- 

## 1.8.3 Installation Procedure

0011-2711

iR7105 / iR7095 / iR7086 /

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### 1. Installation Procedure

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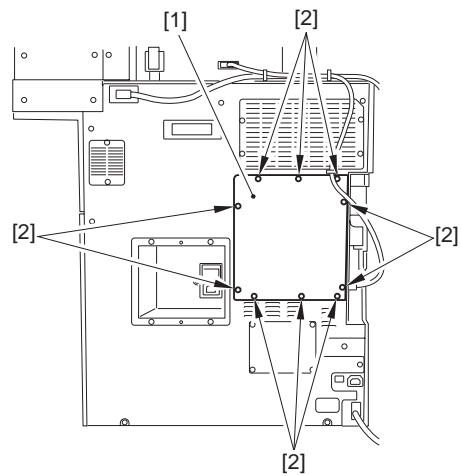
Before starting to install the Voice Guidance Kit, check to be sure that the Expansion Bus-D1 has properly been installed.

---

### 2. Installation

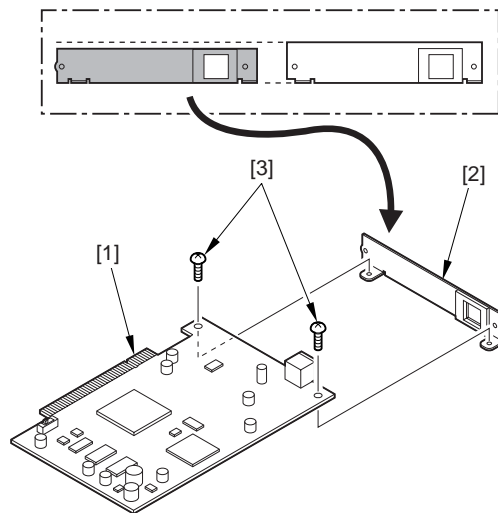
- 1) Remove the main controller box cover [1].
  - 10 screws [2]





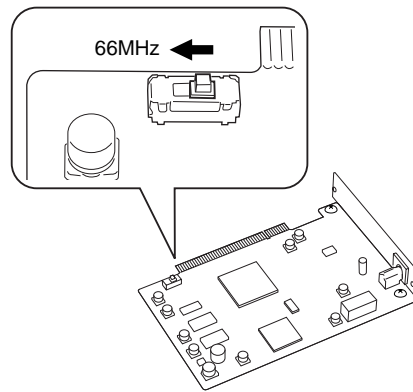
F-1-229

2) Mount the facing plate [2] to the voice board [1] by 2 binding screws (M3X6) [3].



F-1-230

3) The slide switch SW1 found on the voice guidance board is set to 33 MHz at time of shipment; be sure to set it to 66 MHz for use on this machine.



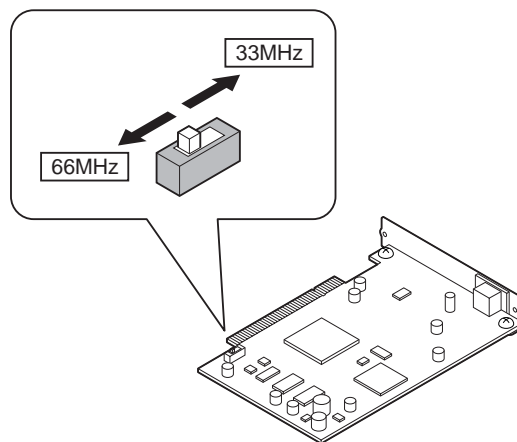
F-1-231

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**⚠ Checking the slide switch SW1 on the voice guidance board**

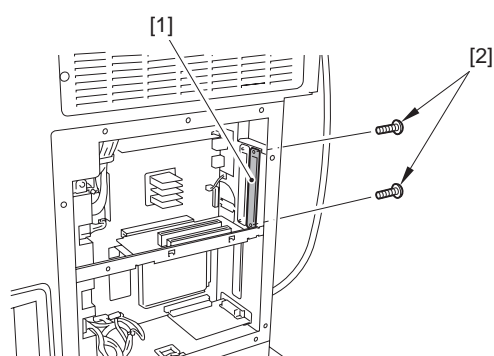
The slide switch (SW1) on the Voice Guidance Board-A1 is provided as a means of switching frequencies (33 MHz/ 66 MHz) to suit the transfer speed of the PCI bus. It is important for the switch setting to suit the transfer speed so that the voice will be free of interruption.

For the machine, 66MHz is the correct position of the switch.



F-1-232

- 
- 4) Remove the face plate [1].
    - 2 screws [2]



F-1-233

5) Fit the voice guidance board [1] into the slot found at the front of the Expansion Bus-D1; then, fix it in place using the 2 screws [2] removed in step 3).

#### **⚠ Points to Note**

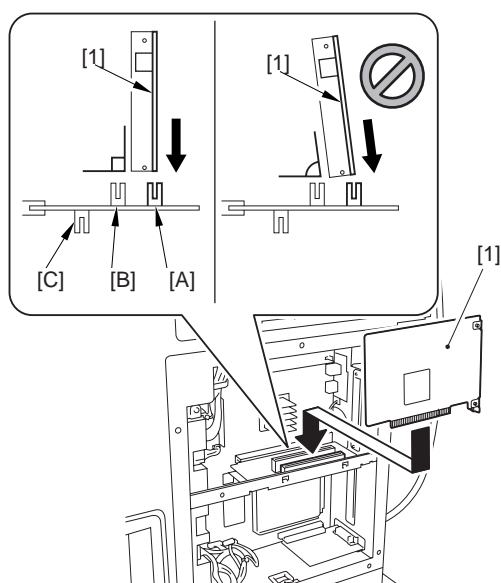
The Voice Guidance Kit [1] must be fitted in a specific slot. Be sure to use slot A of the Expansion Bus-D1, avoiding slots B and C.



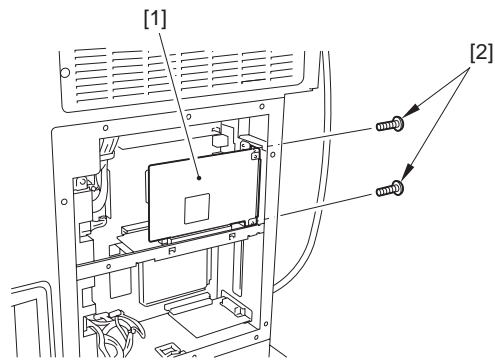
If slot A has been taken, relocate the existing board, and use slot A for the Voice Guidance Board



Be sure to hold the PCB perpendicular in relation to the connector.



F-1-234



F-1-235

6) Attach the main controller box cover.

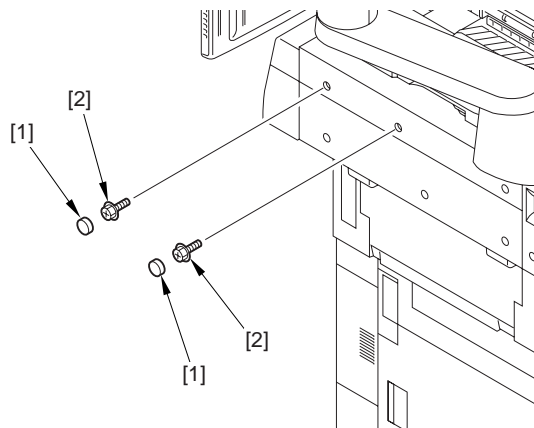
7) Remove the 2 rubber caps [1] and the 2 screws found on the upper right cover.

---

**MEMO:**

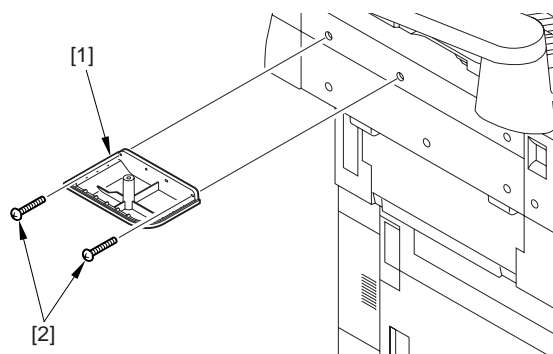
The removed rubber caps will no longer be used.

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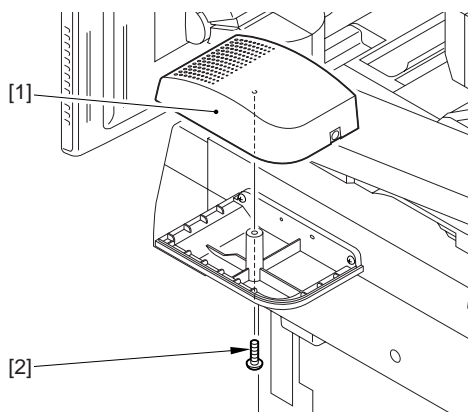
F-1-236

8) Attach the speaker unit (lower) [1] to the upper right cover of the machine using 2 screws (binding; M4x40) [2].



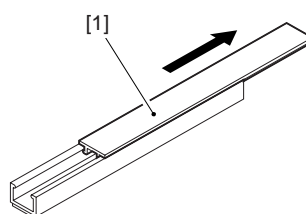
F-1-237

- 9) Mount the speaker unit (upper) [1] to the speaker unit (lower) you have mounted in step 8); then, secure it in place from below with a screw (binding; M4x6) [2].



F-1-238

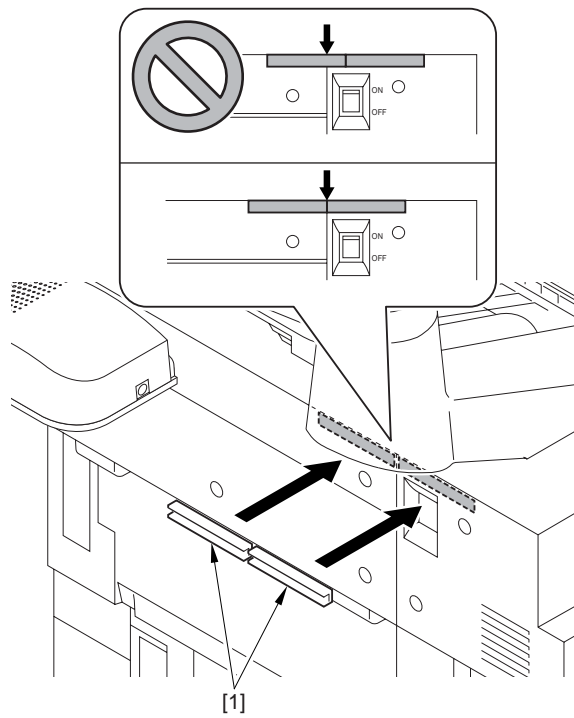
- 10) Remove a cord guide cover [1].



F-1-239

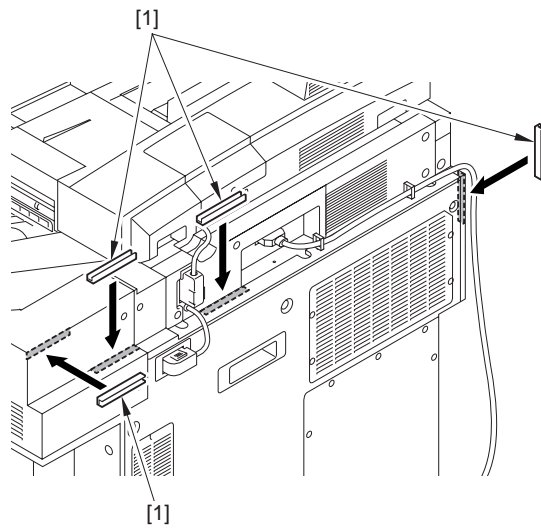
- 11) Peel off the release paper of cord guide [1] and affix them as shown in the figure.

right side: 2 locations



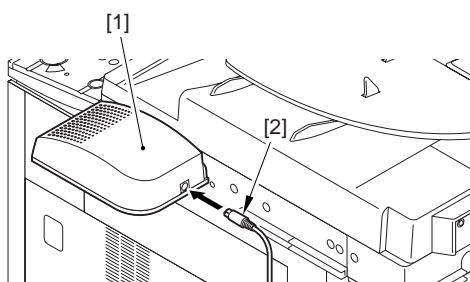
F-1-240

rear side: 4 locations



F-1-241

12) Plug the cable [2] into the speaker unit [1].



F-1-242

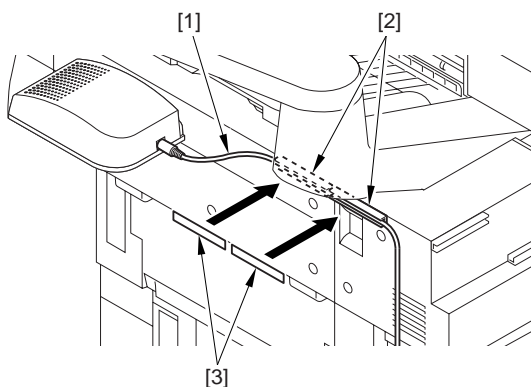
13) Run the cable [1] through the cord guide [2] and mount the cord guide cover [3].

---



Be sure that there is no slack of the cable.

---



F-1-243

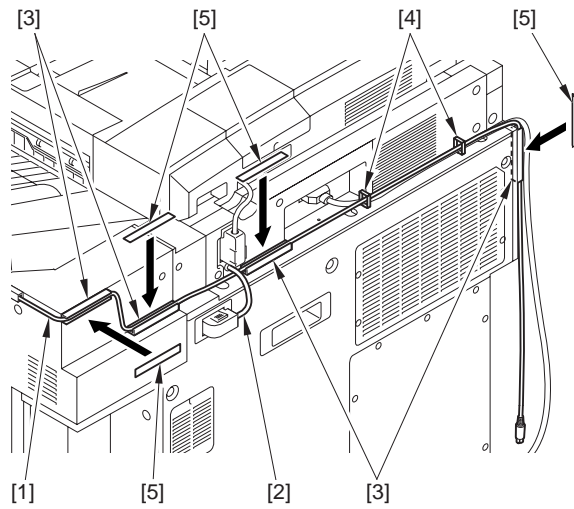
14) Route the cable [1] under the cable [2] and through the 4 cord guides [3]; then, fix it in place using the 2 clamps [4]. Attach the cord guide cover [5] (4 locations).

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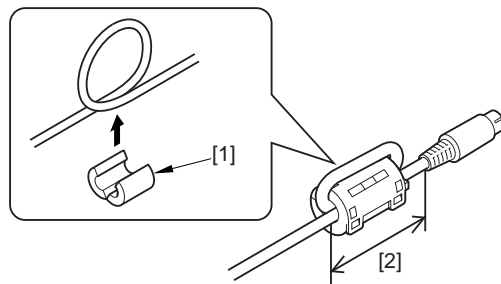
Be sure that there is no slack of the cable.

---



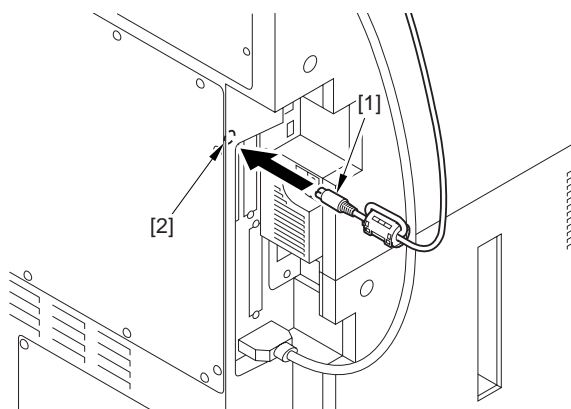
F-1-244

- 15) Mount the ferrite core [1] on the cable.  
The length [2] should be less than 50mm.



F-1-245

- 16) Plug the cable [1] into the terminal [2] of voice board.



F-1-246



- 17) Plug the power cable of host machine into a wall outlet
- 18) Turn on the main power switch.
- 19) Check if the voice board is recognized.

Enter service mode ("~~\*~~"->"2"& "8"at the same time ->"~~\*~~")

COPIER > DISPLAY > ACC-STS > PCI1

If 'voice board' is indicated for PCI1, the board is correctly recognized by the machine.

### 3. Making Settings After Installation

To make use of the Voice Guidance Kit-A2 after turning on the host machine, you need to make the following settings in Additional Function:

- 1) Additional Function > System Setting > Voice Guide Manegement Setting > Use Voice Guide.
- 2) Select [ON].
- 3) Press [OK].

default : OFF

### 4. Checking the Operation

- To Enable

- 1) Hold down the Reset key 3 sec or more.
- 2) See that the copy count on the screen is enclosed in red, indicating 'Voice Guidance' is ready for use.

- To Disable

- 1) Hold down the Reset key for 3 sec or more.



Feb 3 2006

**Canon**