Installation Procedure

iR2030/2025/2022/2018 Series

Canon

Aug 8 2007

TONER
www.tonerplus.com.ua

Chapter 1 Installation Procedure

1.1 Making Pre-Checks

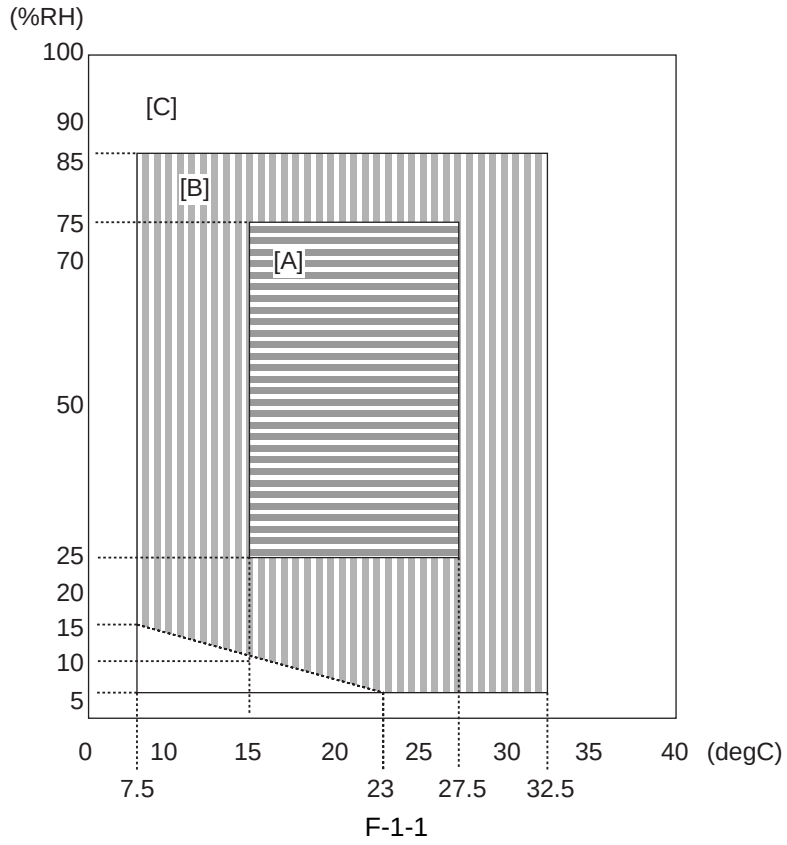
1.1.1 Selecting the Site of Installation

0017-5507

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

Select the site of installation against the following requirements; if possible, visit the user's before delivery of the machine:

1) There must be a power outlet properly grounded and rated as indicated (-/+10%) for exclusive use by the machine.
2) The environment of the room must be as indicated in the following diagram, and the machine must not be installed near a water faucet, water boiler, humidifier, or refrigerator:



F-1-1

<Environmental zone assured>

[A]: Zone A: Satisfies all the conditions of the standard image quality and paper feed performance.

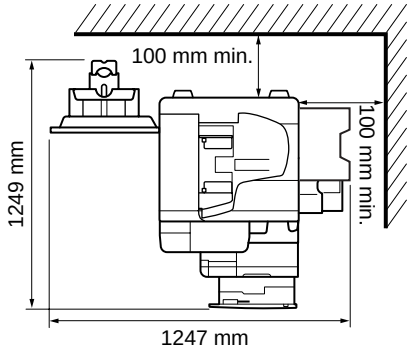
[B]: Zone B: Inferior to Zone A in terms of the standard image quality and paper feed performance, or may not apply.

[C]: Zone C: Problems associated with safety, malfunctions, or incorrect message display do not occur, but image quality and paper feed performance are not guaranteed.

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 exposed to direct rays of the sun, provide curtains to the window.
4) The level of ozone generated by the machine will not affect the health of individuals around it. Some, however,

may find its odor unpleasant as while remaining in contact with it for long hours. Be sure that the room is well ventilated.

5) The floor of the machine must be level so that the feet of the machine will remain in contact and the machine will remain level.
6) The machine must be at least 10 cm away from any wall, permitting unobstructed use.



F-1-2

7) The machine must be placed in a well ventilated area. It is important to make sure, however, that the machine is not near the air vent (for suction) of the room.

1.1.2 Before Starting the Work (230V CENV)

0017-7145

iR2022i / iR2018i

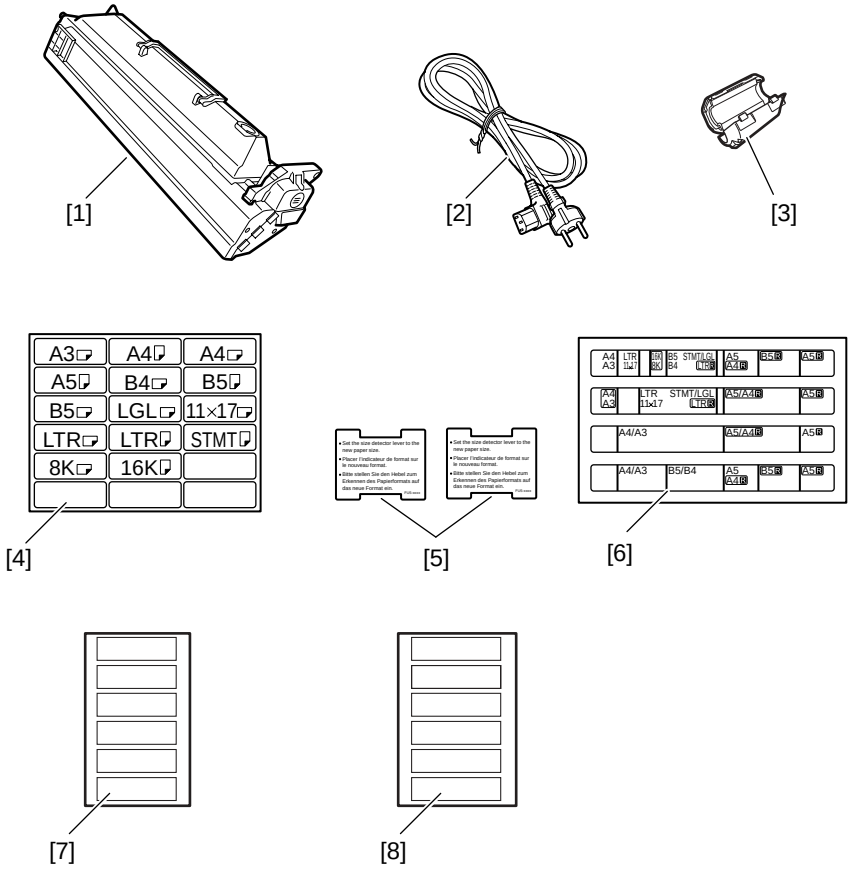
1-1 Points to Make Before Installation

Be sure to go through the following before starting the work:

1) If you are installing the machine after moving it from a cold to warm location, be sure to leave the machine unpacked for at least 2 hours so that the machine is fully used to the site temperature, thus avoiding image faults caused by condensation. (The term "condensation" refers to the formation of droplets of water on the surface of a metal object brought in from a cold to warm place, i.e., as the result of the rapid cooling of the moisture (vapor) around the object.)
2) The machine weighs a maximum of about 53 kg. Be sure to work in a group of 2 persons when lifting it.

1-2 Checking the Contents

Check to be sure that none of the following contents is missing:



F-1-3

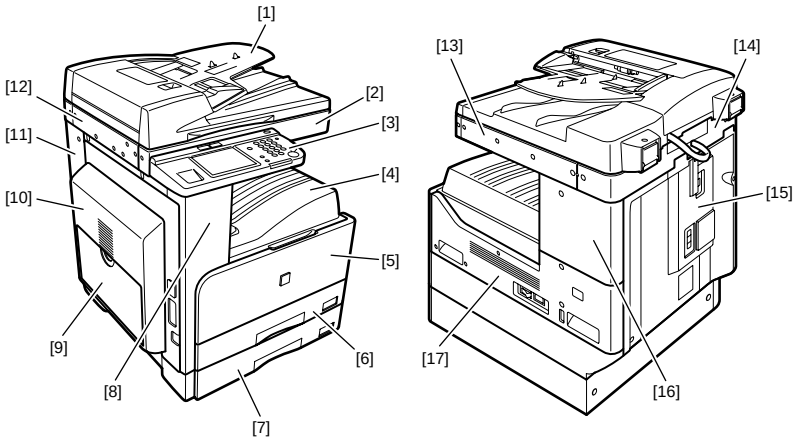
[1]	Drum unit	---1		[5]	Caution sheet	---2(1)	(*1)
[2]	Power cable	---1		[6]	Document size label	---1	
[3]	Ferrite core	---1		[7]	Finger pinch caution label	---1	
[4]	Cassette size label	---2(1)	(*1)	[8]	Scan glass cleaning label	---1	

*1. iR2022i: 2 pc., iR2018i: 1 pc.

Check the documentation and CD against the following table:

Operators manual: User's Guide
Operators manual: Network Quick Start Guide
Drum Unit Replacing Guide
Operators manual CD-ROM
Driver/Utility CD-ROM (UFR)
Driver/Utility CD-ROM (PCL)

1-3 Names of Parts



F-1-4

[1]	DADF		[10]	Left door
[2]	Reader front cover		[11]	Left cover (rear)
[3]	Control panel		[12]	Reader left cover
[4]	Delivery tray		[13]	Reader right cover
[5]	Front cover		[14]	Reader rear cover
[6]	Cassette 1		[15]	Rear cover
[7]	Cassette 2	(*2)	[16]	Right cover (upper)
[8]	Left cover (front)		[17]	Right cover (lower)
[9]	Manual feed tray			

*2. iR2022i only

1.1.3 Before Starting the Work (230V CENV)

0017-7151

iR2025 / iR2030

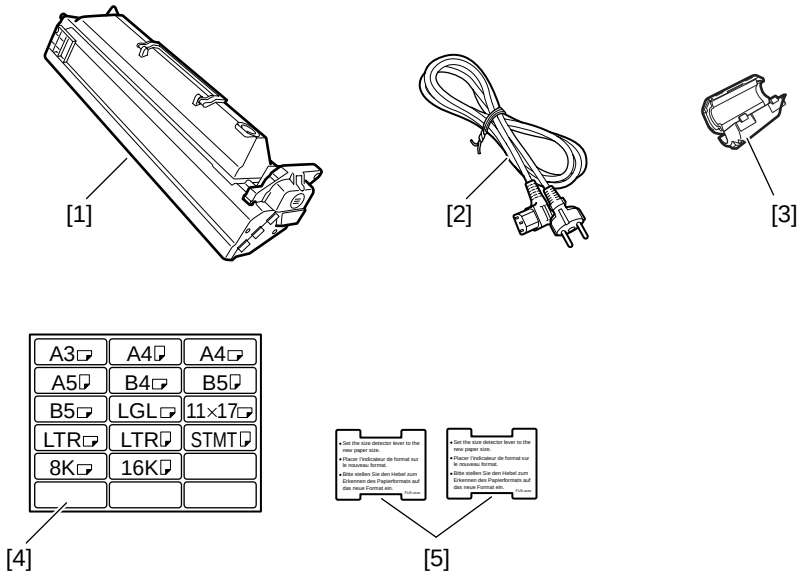
1-1 Points to Make Before Installation

Be sure to go through the following before starting the work:

1) If you are installing the machine after moving it from a cold to warm location, be sure to leave the machine unpacked for at least 2 hours so that the machine is fully used to the site temperature, thus avoiding image faults caused by condensation. (The term "condensation" refers to the formation of droplets of water on the surface of a metal object brought in from a cold to warm place, i.e., as the result of the rapid cooling of the moisture (vapor) around the object.)
2) The machine weighs a maximum of about 50 kg. Be sure to work in a group of 2 persons when lifting it.

1-2 Checking the Contents

Check to be sure that none of the following contents is missing:



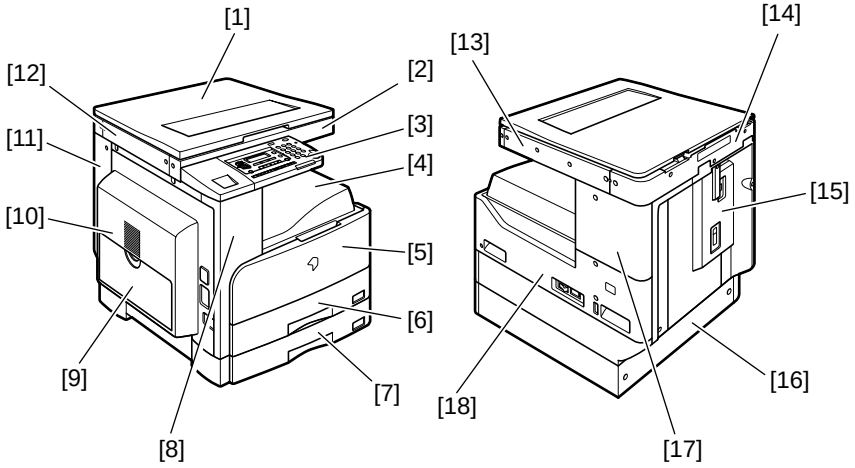
F-1-5

[1]	Drum unit	---1	[4]	Cassette size label	---2
[2]	Power cable	---1	[5]	Caution sheet	---2
[3]	Ferrite core	---1			

Check the documentation and CD against the following table:

Operators manual: User's Guide
Operators manual: Network Quick Start Guide
Drum Unit Replacing Guide
Operators manual CD-ROM
Driver/Utility CD-ROM (UFR)

1-3 Names of Parts



F-1-6

[1]	Copyboard cover*1	[10]	Left door
[2]	Reader front cover	[11]	Left cover (rear)
[3]	Control panel	[12]	Reader left cover
[4]	Delivery tray	[13]	Reader right cover
[5]	Front cover	[14]	Reader erar cover
[6]	Cassette 1	[15]	Rear cover
[7]	Cassette 2	[16]	Cassette rear cover
[8]	Left cover (front)	[17]	Right cover (upper)
[9]	Manual feed tray	[18]	Right cover (lower)

*1: Copyboard cover is optionnal item.

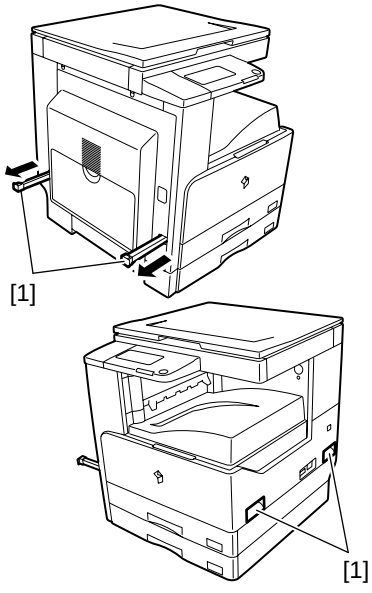
1.2 Unpacking and Installation

1.2.1 Unpacking and Removing the Packaging Materials 0017-5523

iR2025 / iR2030 / iR2018 / iR2022

1) Unpack the machine and remove vinyl, cushioning materials, and tape.
2) Hold the handles [1] of the machine together with one or more persons and take it out.

⚠
The maximum weight of this machine is approximately 46kg. Two or more persons are required to lift the machine.



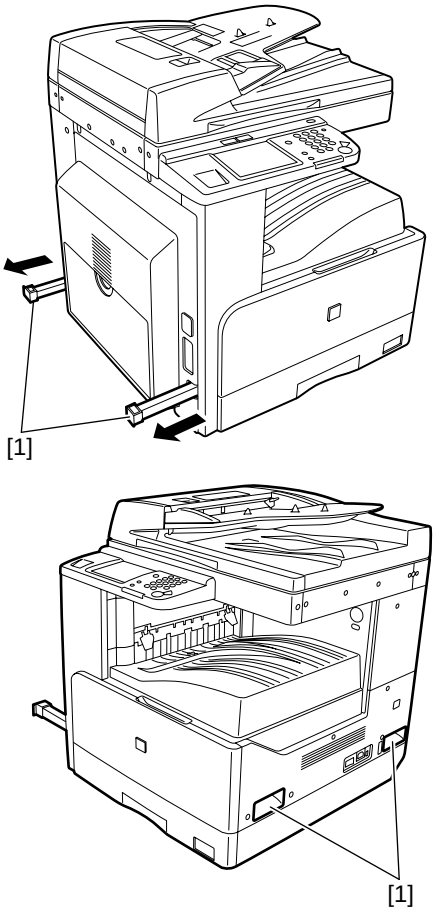
F-1-7

1.2.2 Unpacking and Removing the Packaging Materials 0017-5524

iR2022i / iR2018i

1) Unpack the machine and remove vinyl, cushioning materials, and tape.
2) Hold the handles [1] of the machine together with one or more persons and take it out.

⚠
The maximum weight of this machine is approximately 53kg. Two or more persons are required to lift the machine.



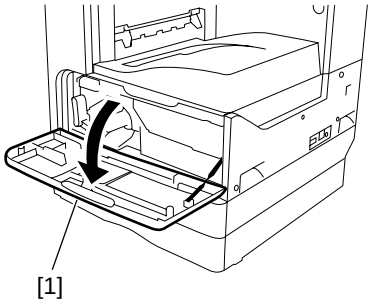
F-1-8

1.2.3 Installing the Drum Unit

0017-5525

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Open the front cover [1] of the iR body.

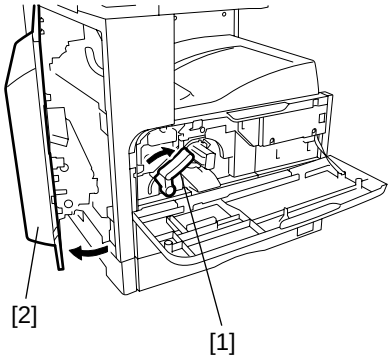


F-1-9

2) Turn the developer pressure release lever [1] clockwise, and then open the left door [2] until it stops.

⚠

The left door must be opened fully to prevent the drum from being damaged while it is inserted into the drum unit.

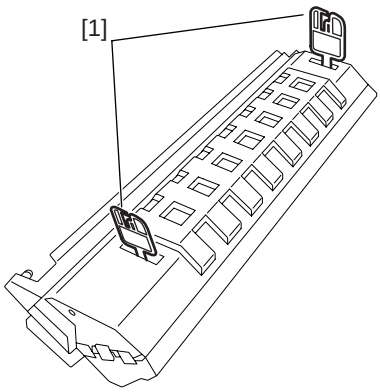


F-1-10

3) Open the packaging bag of the new drum unit, take the new drum out of it, and then remove packing tape.

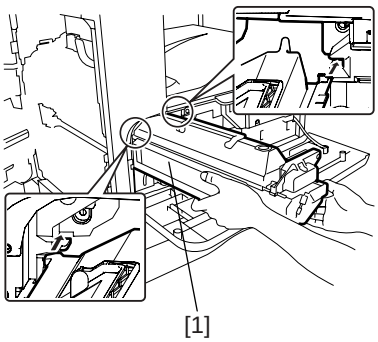
⚠

The drum unit for Asia/Oceania is provided with pressure release hooks [1]. Remove them. Drum units for other regions are not provided with the pressure release hooks.



F-1-11

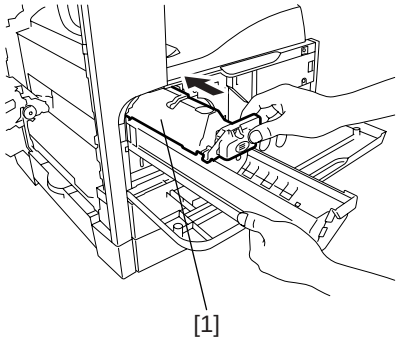
4) Holding the protective cover [1] of the new drum unit, place the drum unit against the iR body.



F-1-12

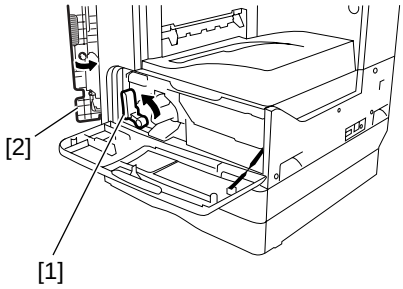
5) While holding the protective cover, insert the new drum unit [1] into the iR body.

MEMO:
The protective cover will not be reused.



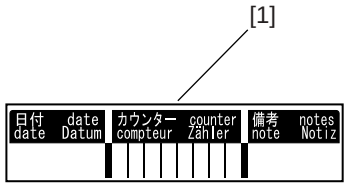
F-1-13

6) Turn the developer pressure release lever [1] counterclockwise, and then close the left door [2].



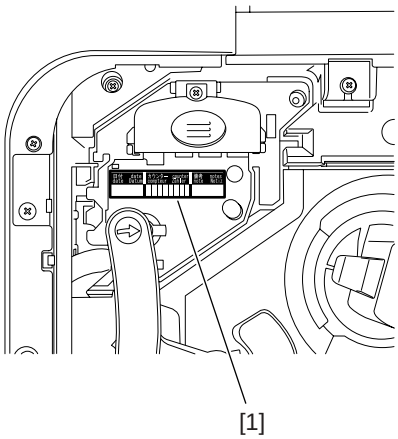
F-1-14

7) Enter the date in the drum counter label [1].



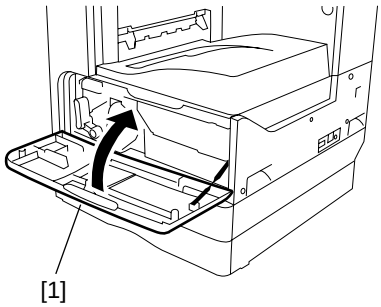
F-1-15

8) Affix the drum counter label [1] on the drum unit.



F-1-16

9) Close the front cover [1].



F-1-17

1.2.4 Installing the Toner Bottle

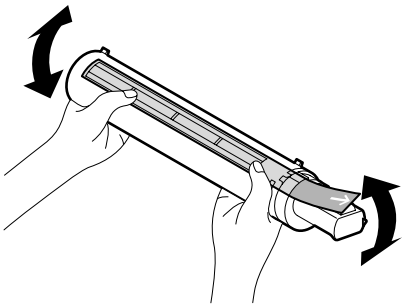
0017-5526

iR2018 / iR2022

⚠

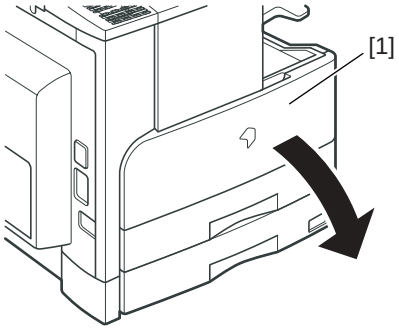
The image density may be slightly lower than usual on the first approx. 100 sheets printed after installation of the machine.
Therefore, perform the steps mentioned in <Going through the Developer Idling Mode> (provided after step 6 in this section) before installing the toner bottle.

1) Shake the toner bottle 5-6 times.



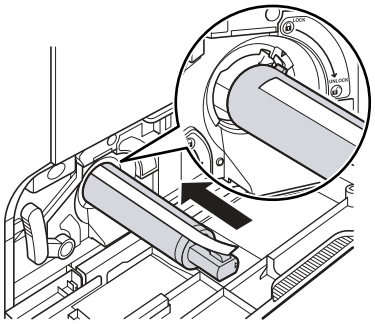
F-1-18

2) Open the front cover [1].



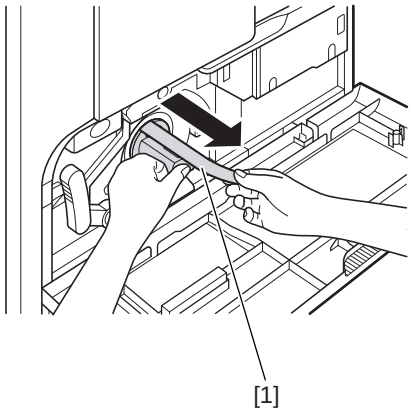
F-1-19

3) Insert the toner bottle.



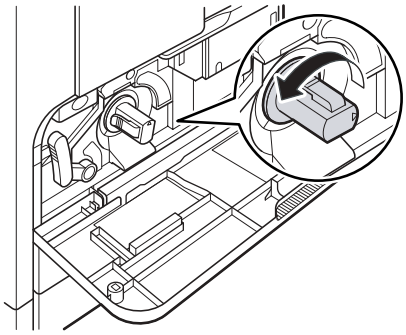
F-1-20

4) While holding the toner bottle, pull the seal [1] to remove it.



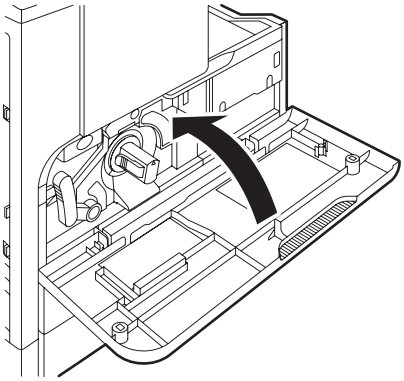
F-1-21

5) Turn the toner cartridge in the direction of the arrow until it stops.



F-1-22

6) Close the front cover.



F-1-23

<Going through the Developer Idling Mode>

1) Plug the power cord into the outlet.

2) Open the front cover.
3) With the front cover open, turn on the main power switch.
4) When a message appears on the control panel display, press the following keys to enter the service mode:

   Additional functions key > 2 key > 8 key > Additional functions key
5) Select "#PRINT" using the + or - key, and then press the OK key.
6) Select "#PRINT SW" using the + or - key, and then press the OK key. Confirm that the following message is displayed:
   Message: #PRINT SW 001 00000000
7) Press the following keys and confirm the message:
   # key > 1 key >1 key
   Message: #PRINT SW 011 00000000
8) Position the cursor to Bit-1 (second from right) using the + or - key, and press the 1 key, and then confirm the following message:
   Message: #PRINT SW 011 00000010
9) Press the OK key. Confirm that "SW 011" changes to "SW 012".
   Message: #PRINT SW 012 00000000
10) Press the Reset key to exit the service mode.
11) Close the front cover. The machine will run in the developer idling mode for about 1 minute.
12) When the machine stops, the idling mode ends.
    Install, the toner cartridge following the above-mentioned procedure.

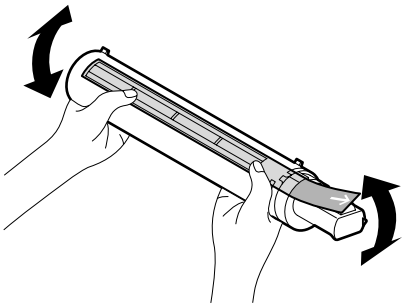
1.2.5 Installing the Toner Bottle

0017-5527

iR2022i / iR2025 / iR2030 / iR2018i

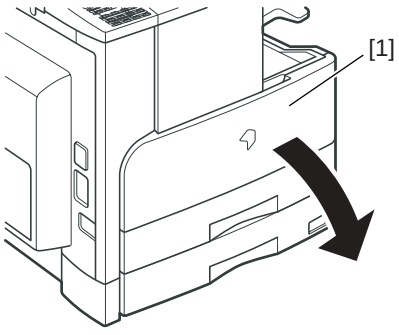
> ⚠
> The image density may be slightly lower than usual on the first approx. 100 sheets printed after installation of the machine.
> Therefore, perform the steps mentioned in <Going through the Developer Idling Mode> (provided after step 6 in this section) before installing the toner bottle.

1) Shake the toner bottle 5-6 times.



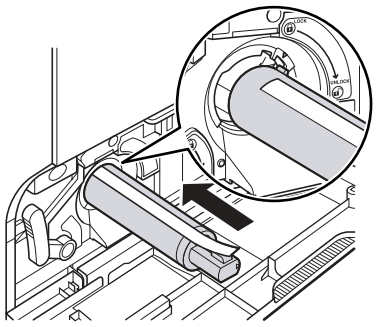
F-1-24

2) Open the front cover [1].



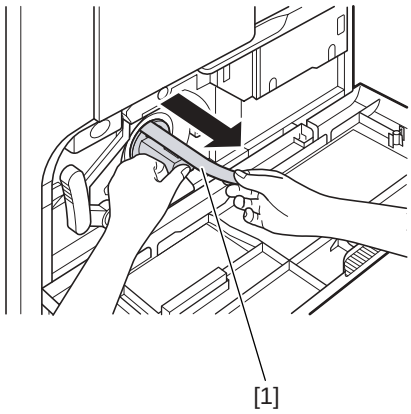
F-1-25

3) Insert the toner bottle.



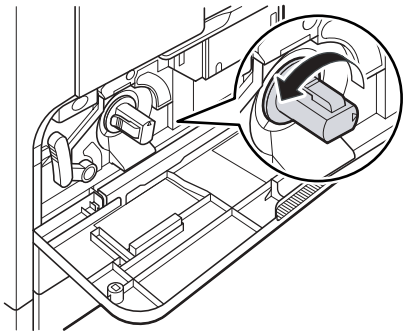
F-1-26

4) While holding the toner bottle, pull the seal [1] to remove it.



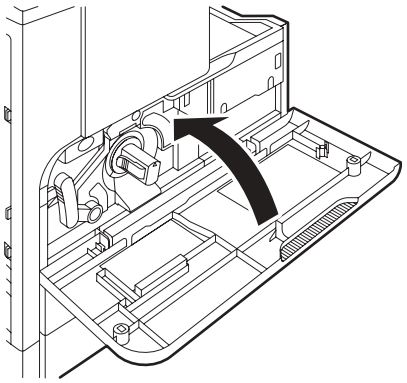
F-1-27

5) Turn the toner cartridge in the direction of the arrow until it stops.



F-1-28

6) Close the front cover.



F-1-29

<Going through the Developer Idling Mode>

1) Plug the power cord into the outlet.
2) Open the front cover.
3) With the front cover open, turn on the main power switch.
4) When a message appears on the control panel display, press the following keys to enter the service mode:

   ✻ > 2 key > 8 key > ✻

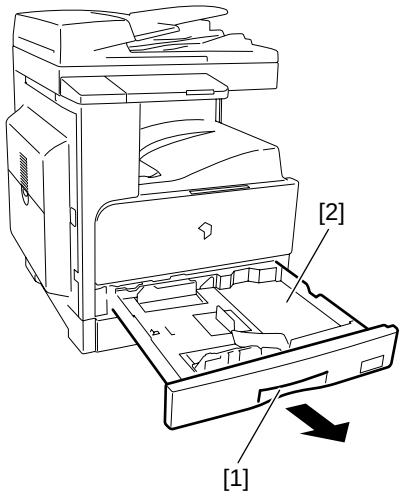
5) Select "#PRINT" using ◀ or ▶, and then press the OK.
6) Select "#PRINT SW" using ◀ or ▶, and then press the OK. Confirm that the following message is displayed:
   Message: #PRINT SW 001 00000000
7) Press the following keys and confirm the message:
   # key > 1 key > 4 key
   Message: #PRINT SW 014 00000000
8) Position the cursor to Bit-1 (second from right) using ◀ or ▶, and press the 1 key, and then confirm the following message:
   Message: #PRINT SW 014 00000010
9) Press the OK. Confirm that "SW 014" changes to "SW 015".
   Message: #PRINT SW 015 00000000
10) Press the Reset key to exit the service mode.
11) Close the front cover. The machine will run in the developer idling mode for about 1 minute.
12) When the machine stops, the idling mode ends.
    Install, the toner cartridge following the above-mentioned procedure.

1.2.6 Setting the Cassettes

0017-5528

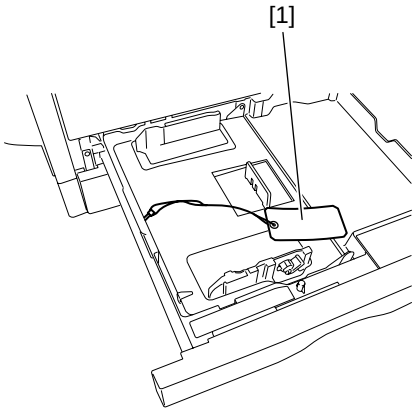
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Holding the knob [1] at the center of the cassette, draw out the cassette [2] until it stops.



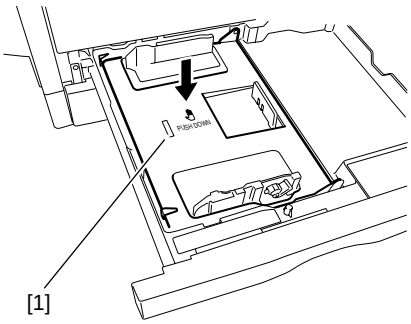
F-1-30

2) Remove the wire [1] securing the inner plate of the cassette.



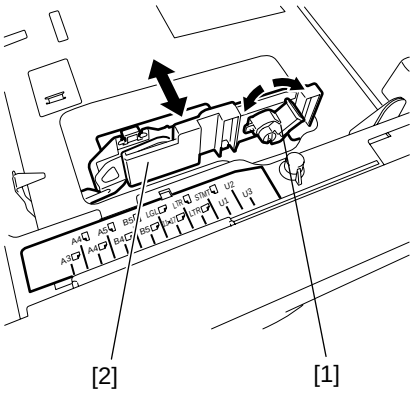
F-1-31

3) Press the "PUSH DOWN" mark [1] on the inner plate to lock it into the cassette.



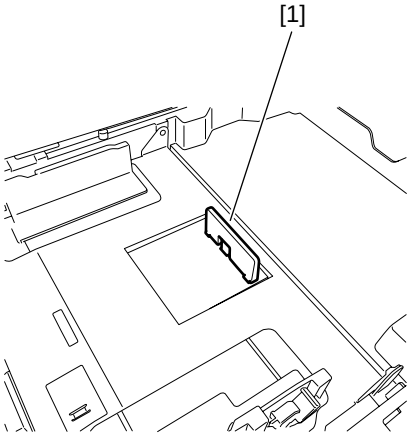
F-1-32

4) Turn the lever [1] of the paper front guide counterclockwise to release it. Slide the paper front guide [2] to fit to the size of the paper to be used, and then turn the lever clockwise to lock it.



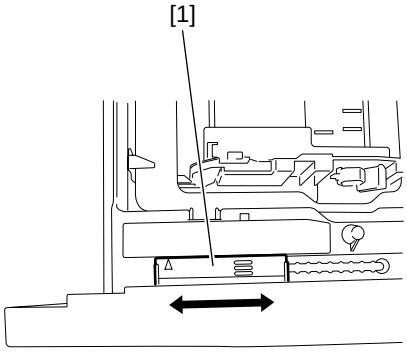
F-1-33

5) Turn the paper trailing edge registration plate [1] to the left to remove it. Re-attach it to fit to the size of the paper to be loaded.



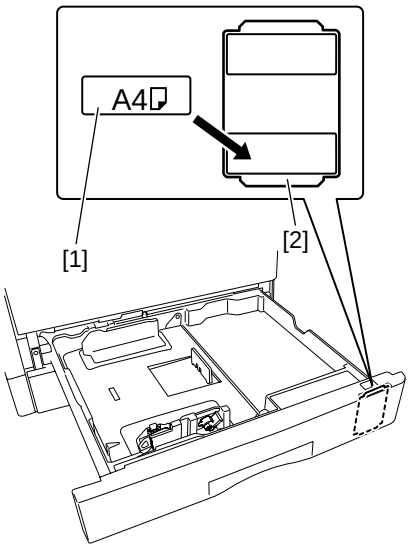
F-1-34

6) Slide the paper size detection lever [1] to fit to the paper size.



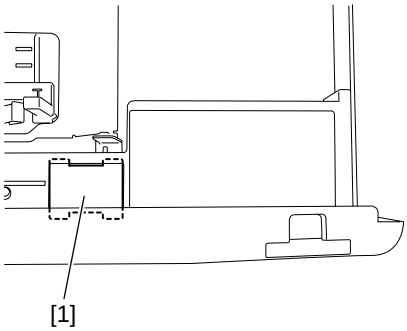
F-1-35

7) Affix the cassette size label [1] to the paper size indication plate [2].



F-1-36

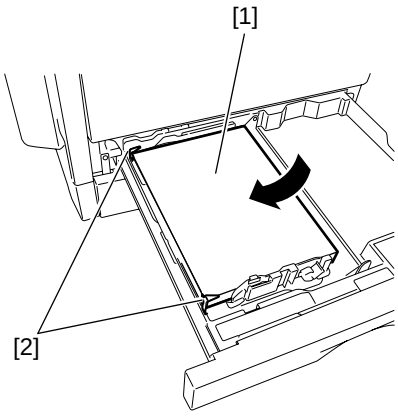
8) Affix the caution sheet printed in an appropriate language.



F-1-37

9) Align the left, right, and leading edges of sheets and load the stack of paper [1] in the cassette. Make sure that the paper is below the claws [2] of the cassette.

MEMO:
Inserting the cassette into the machine with the inner plate locked into the cassette will unlock the inner plate automatically. If the inner plate is not locked, press the "PUSH DOWN" mark on the inner plate to lock it into the cassette and then load paper.



F-1-38

10) Holding the knob at the center of the cassette, insert the cassette in the machine it stops.

1.2.7 Attaching the Ferrite Core

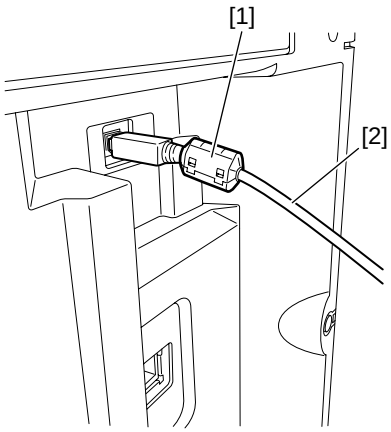
0017-5530

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

⚠
The installation of the ferrite core does only for the model equipped with the printer function.

1) Attach the ferrite core [2] to the user's USB cable, and then connect the USB cable to the USB port of the host machine.

⚠
To reduce noise, attach the ferrite core as close to the USB port of the host machine as possible.



F-1-39

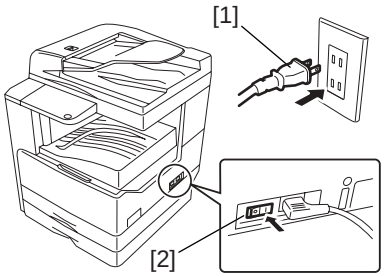
1.2.8 Checking the Image Quality

0017-5531

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Plug the power cord into the outlet, and then turn on the main power switch [2].
   Supply of toner will start after the initial rotation. After a few minutes, supply of toner finishes and the machine stops automatically.

⚠
Use the specified power supply (rated voltage -/+10% and rated current).



F-1-40

2) Place a document on the document glass, take a copy of it by supplying paper from the cassette or manual feed tray, and check the printed image. Also perform the following checks:
   - Check whether abnormal sound is heard.
   - Check the printed images at all preset magnifications.
   - Check whether the document is copied normally on the specified number of sheets.

1.2.9 Setting the Country/Region

0017-5532

iR2018 / iR2022

1) Press the following keys to display the service mode screen:
   Additional Functions Key > 2 Key > 8 Key > Additional Functions Key
2) Select "# CLEAR" using the + or - key, and then press the OK key.
3) Select "TYPE" using the + or - key, and then press the OK key.
4) Using the + or - key, select the country/region type that conforms to the communication standard used in the country/region where the machine is used.
5) Press the OK key. When "Please Wait" disappears, the selected country/region type takes effect.

1.2.10 Setting the Country/Region

0017-5533

iR2022i / iR2025 / iR2030 / iR2018i

1) Press the following keys to display the service mode screen:
   ✳ > 2 Key > 8 Key > ✳
2) Select "# CLEAR" using ◀ or ▶, and then press the OK.
3) Select "TYPE" using ◀ or ▶, and then press the OK.
4) Using ◀ or ▶, select the country/region type that conforms to the communication standard used in the country/region where the machine is used.
5) Press the OK. When "Please Wait" disappears, the selected country/region type takes effect.

1.2.11 Setting the Date and Time

0017-5534

iR2018 / iR2022

1) Press the additional functions keys to display the user mode screen.
2) Select "4. TIMER SETTINGS" using the + or - key, and then press the OK key.
3) Select "1. DATE&TIME SETTING" using the + or - key, and then press the OK key. The set date and time appears.
4) Enter the current date and time by moving the cursor to the characters you want to enter with the + and - keys.
5) Press the OK key to allow the entered date and time to take effect.

1.2.12 Setting the Date and Time 0017-5535

iR2022i / iR2025 / iR2030 / iR2018i

1) Press key to display the user mode screen.
2) Select "TIMER SETTINGS" and then press the OK.
3) Select "DATE&TIME SETTING", and then press the OK. The set date and time appears.
4) Enter the current date and time with the ten keys.
5) Press the OK to allow the entered date and time to take effect.

1.2.13 Attaching Other Parts

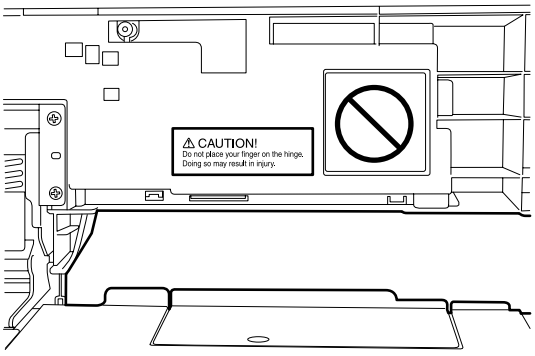
0017-5536

iR2022i / iR2018i

a. Finger pinch caution label

1) Open the DADF and affix the supplied finger pinch caution label.

⚠
Affix the label printed in the user-selected language.

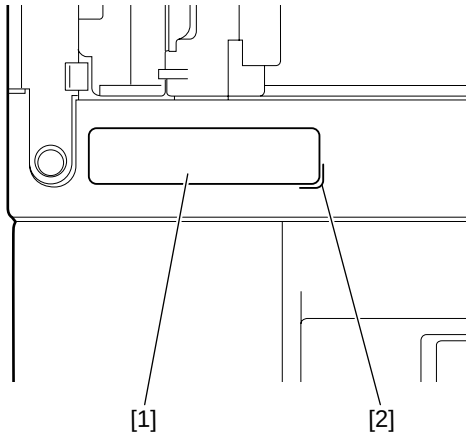


F-1-41

b. Scan glass cleaning label

1) Affix the supplied scan glass cleaning label [1] to the reader front cover with it aligned with the mark-off line [2].

⚠
Affix the label printed in the user-selected language.

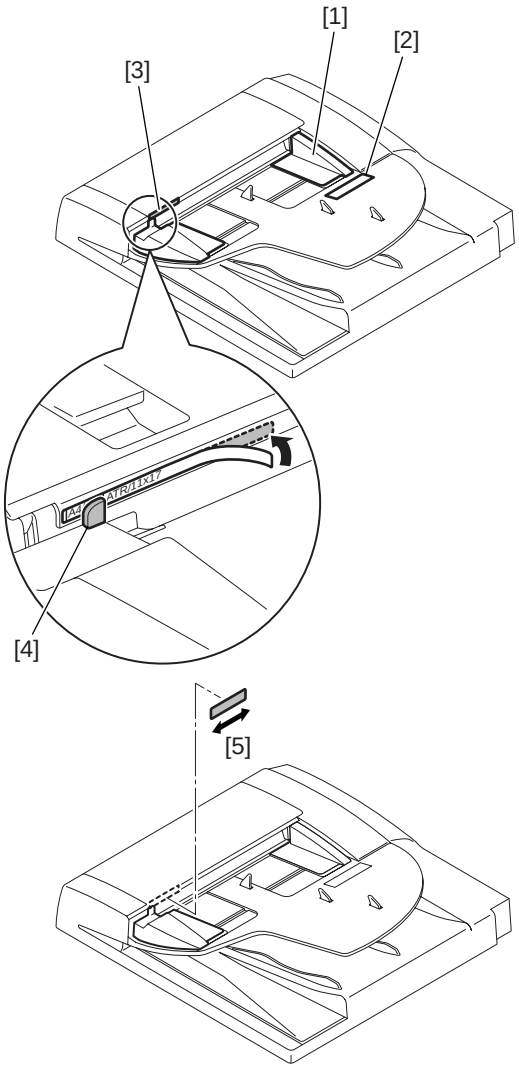


F-1-42

C. Document size label

The purpose of this label is to facilitate the size adjustment made from the view point of each user.

1) Align the side guide (rear) [1] to "A4/A3" "LTR/ 11X17" [2].
2) Affix the label of the series matching the document size label [3] to the feeder cover.
   Adjust the label position by moving it back and forth (in the direction of the arrow [5]) according to the view point of the user so that the indicator [4] on the side guide (front) meets the indicator on the size label, and then affix the label securely.



F-1-43

1.3 Checking the Connection to the Network

1.3.1 Checking the Network Connection 0017-5537

iR2018 / iR2022

If the machine supports a network feature, check the network connection following the procedure below.

1) Press the following keys to display the service mode screen:
   Additional Functions Key > 2 Key > 8 Key > Additional Functions Key
2) Select "# REPORT" using the + or - key, and then press the OK key.
3) Select "REPORT OUTPUT" using the + or - key, and then press the OK key.
4) Select "SPEC LIST" using the + or - key, and then press the OK key.
5) When "SPEC REPORT" is displayed, check that "NETWORK" is set to ON.
6) Contact the system administrator of the customer to make network settings.

1.3.2 Checking the Network Connection 0017-5539

iR2022i / iR2025 / iR2030 / iR2018i

If the machine supports a network feature, check the network connection following the procedure below.

1) Press the following keys to display the service mode screen:
   > 2 Key > 8 Key >
2) Select "# REPORT" using ◀ or ▶, and then press the OK.
3) Select "REPORT OUTPUT" using ◀ or ▶, and then press the OK.
4) Select "SPEC LIST" using ◀ or ▶, and then press the OK.
5) When "SPEC REPORT" is displayed, check that "NETWORK" is set to ON.
6) Contact the system administrator of the customer to make network settings.

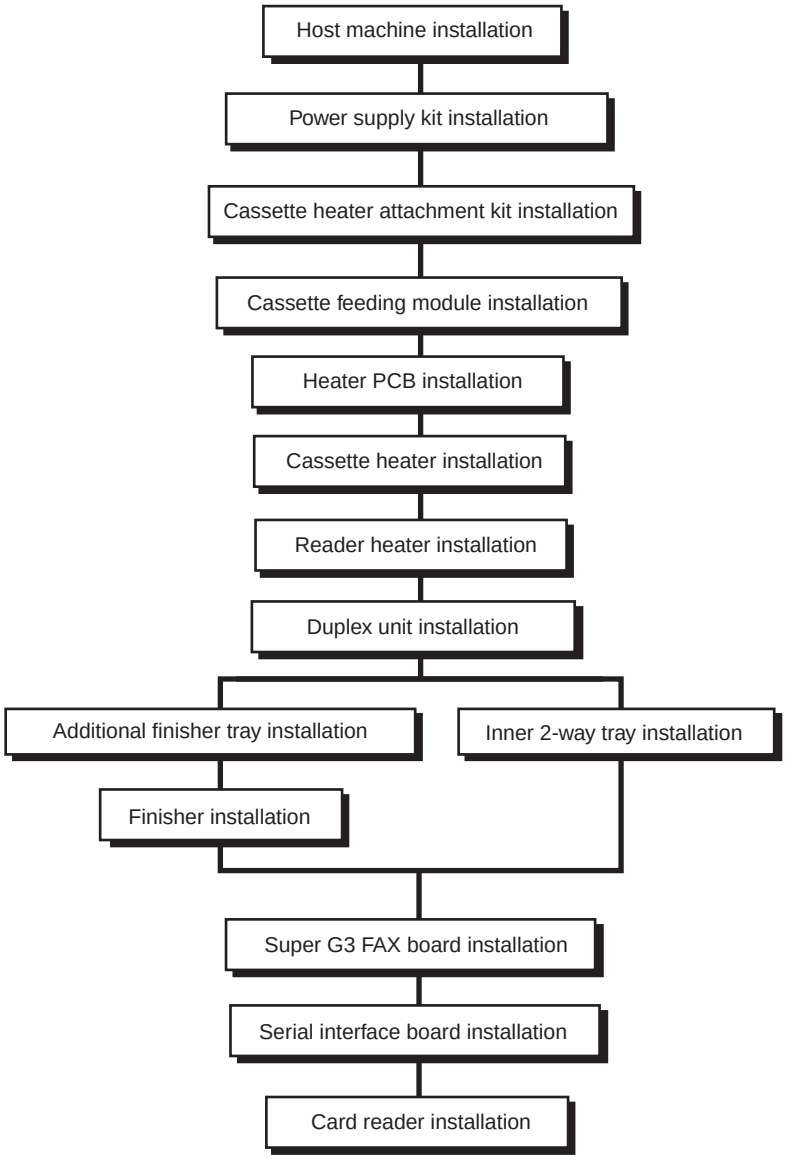
1.4 Flow of Accessory Installation

1.4.1 Flow of Accessary Installation (230V CENV)

0017-7884

iR2022i / iR2018i

If you are going to install any accessory after installing the host machine, follow the following flow of work so that the work will become effective.



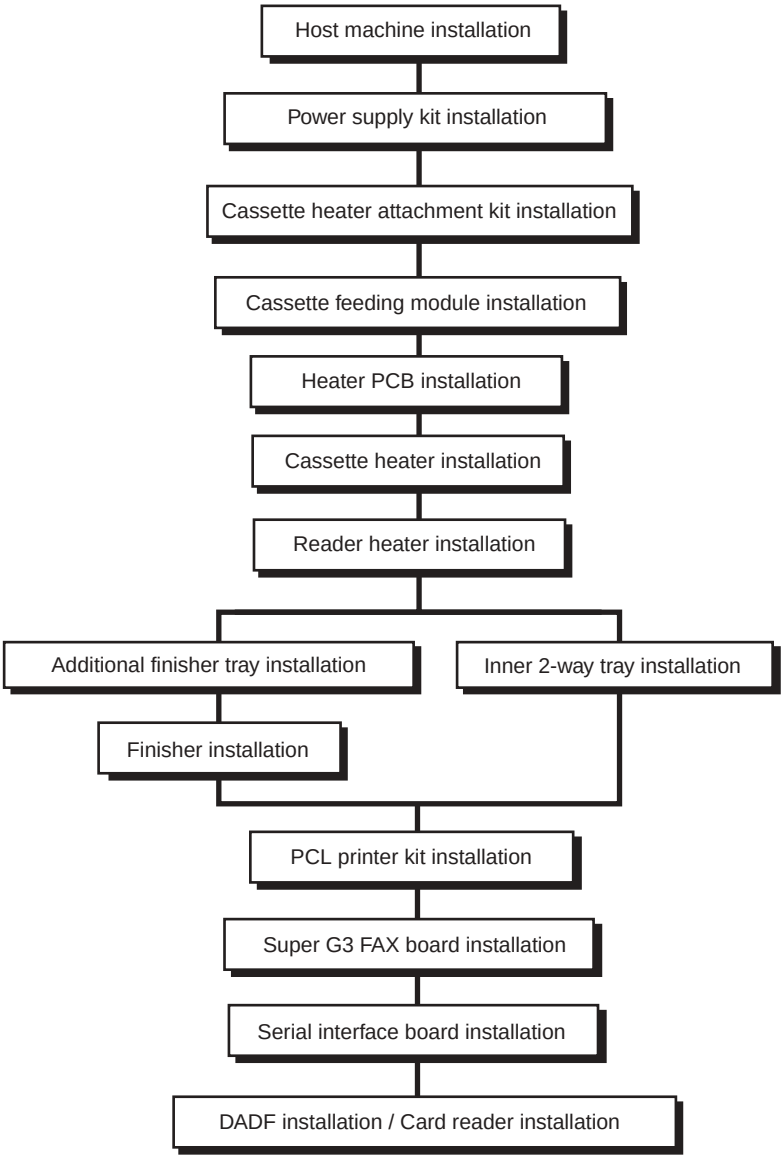
F-1-44

1.4.2 Flow of Accessary Installation (230V CENV)

0017-7885

iR2025 / iR2030

If you are going to install any accessory after installing the host machine, follow the following flow of work so that the work will become effective.



F-1-45

1.5 Installing the Card Reader

1.5.1 Points to Note

0017-5544

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

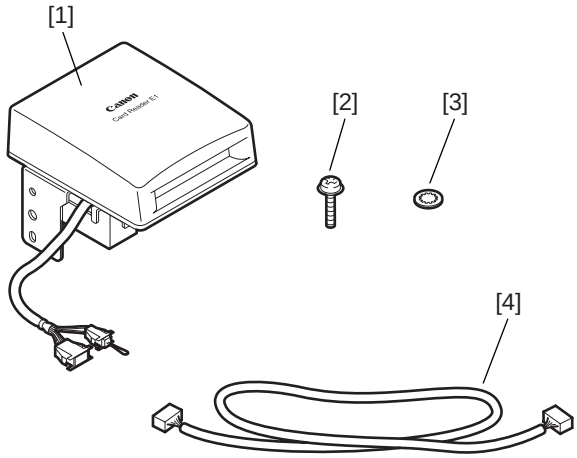
> ⚠
> When installing the card reader, the card reader attachment-D1 is required.

1.5.2 Checking the Contents

0017-5545

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

<Card reader-E1>

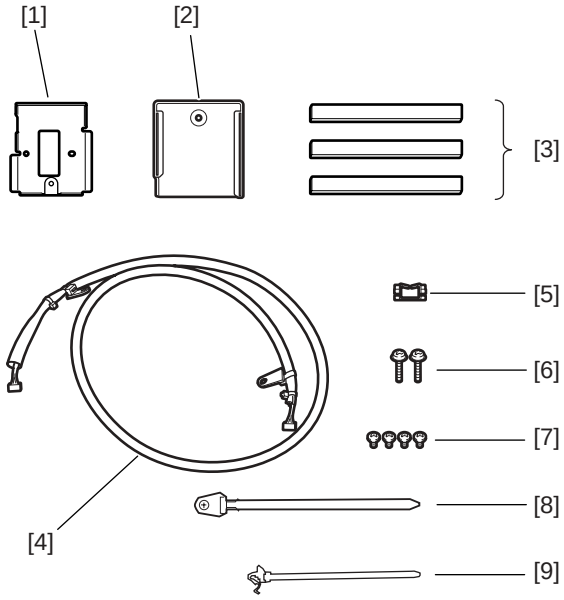


F-1-46

[1]	Card reader-E1	1 pc.
[2]	TP screw (M3x12)	1 pc.
[3]	Toothed washer	1 pc.
[4]	Repeating harness A	1 pc.

> ⚠
> The repeating harness, TP screw (M3x12), and toothed washer are not used.

<Card reader attachment-D1>



F-1-47

[1]	Card reader mount	1 pc.
[2]	Card reader cover	1 pc.
[3]	Harness cover (base + lid)	3 pcs.
[4]	Repeating harness B	1 pc.
[5]	Edge saddle	1 pc.
[6]	TP screw	2 pcs.
[7]	Binding screw (M4x6)	4 pcs.
[8]	Cord retainer	1 pc.
[9]	Reuse band	1 pc.

⚠

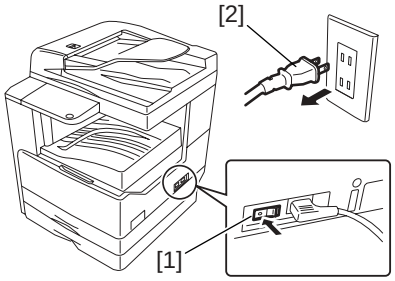
Do not use the cord retainer and the reuse band.

1.5.3 Installation Procedure

0017-5546

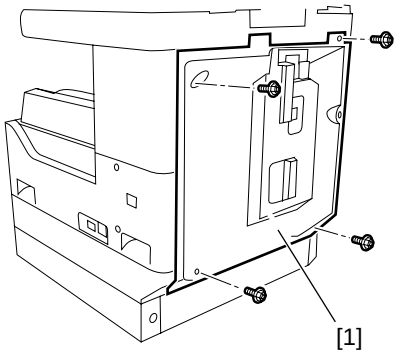
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Turn off the main power switch [1] of the host machine and disconnect the power plug [2] from the outlet.



F-1-48

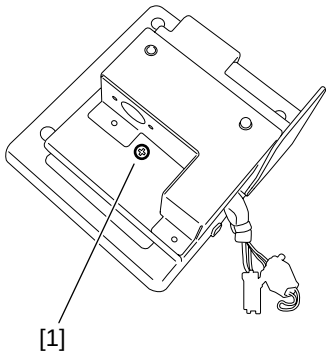
2) Remove the rear cover [1].
- Screws, 4 pcs.



F-1-49

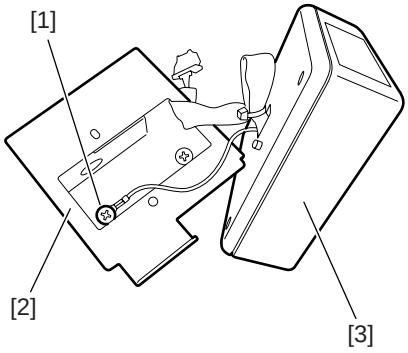
3) Remove the screw [1] from the card reader.

MEMO:
The removed screw will be used later.



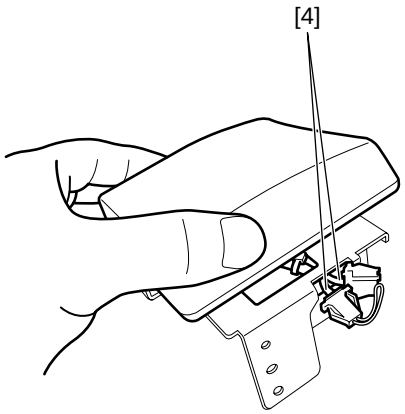
F-1-50

4) Remove the screw [1] and the tooth washer securing the ground cable, and then separate the card reader [3] from the card reader mount [2].



F-1-51

⚠
When removing the harness [4] through the opening in the card reader mount, take care not to cut or damage it.

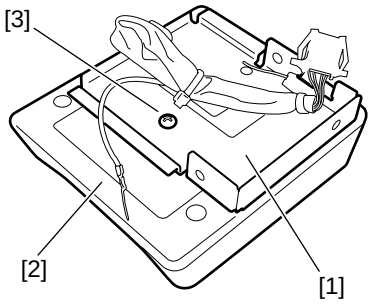


F-1-52

MEMO:
The removed card reader mount is no longer necessary.

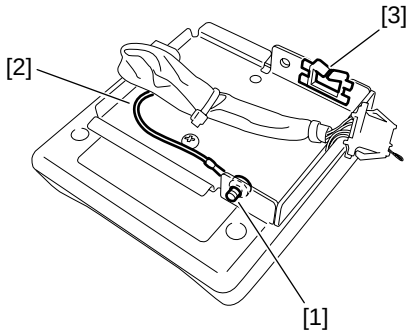
5) Insert the card reader [2] harness and ground cable into the hole in the supplied card reader mount [1]. Using the screw [3] removed in step 1, secure the card reader to the card reader mount.

⚠
When inserting the card reader [2] harness and ground cable to the hole of card reader mount plate [1], take care not to cut or damage them.



F-1-53

6) Connect the ground cable [2] to the reader mount. Attach the supplied edge saddle [3] to the card reader mount.
   - Supplied binding screw (M4x6) [1], 1pc.
7) Attach the supplied edge saddle [3] to the card reader mount.



F-1-54

8) Connect the connector [1] of the supplied repeating harness B to the connector [2] on the card reader.

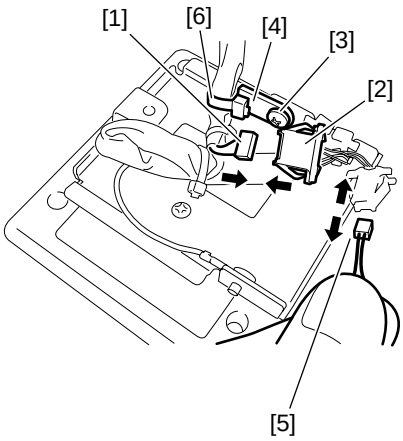
> ⚠
> Connect the repeating harness B's connector which is closer to the clamp [6] to the connector of the card reader.

9) Secure the repeating harness B clamp [4].
- supplied binding screw (M4x6)

10) Disconnect the shorting connector [5].

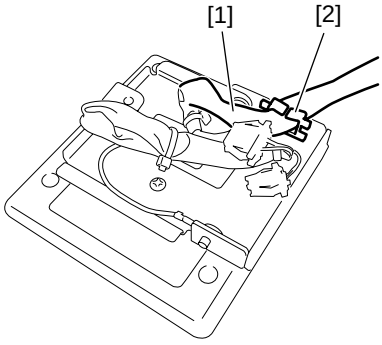
> ⚠
> If the shorting connector [5] is not disconnected, a malfunction or error can result.

> **MEMO:**
> The removed shorting connector is no longer necessary.



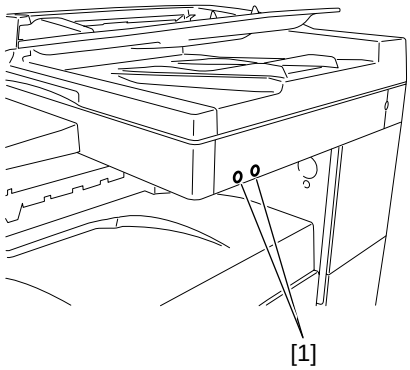
F-1-55

11) Secure the repeating harness B [1] with the edge saddle [2].



F-1-56

12) Remove the two blind seals [1] from the reader left cover.

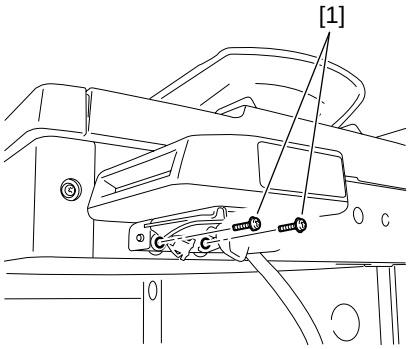


F-1-57

TONER
www.tonerplus.com.ua

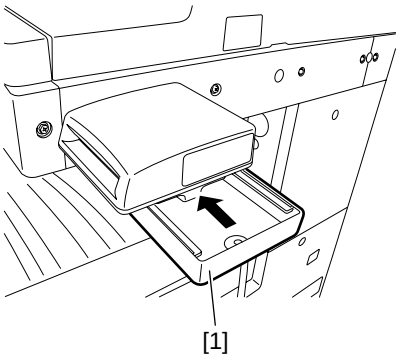
13) Attach the card reader to the reader.
- Supplied TP screws (M4x16) [1], 2 pcs.

⚠
When tightening the screws, take care not to damage the repeating harness B.



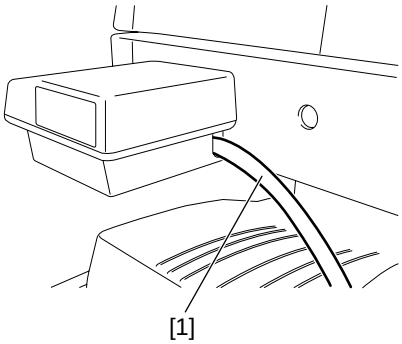
F-1-58

14) Slide the card reader cover [1] to attach it to the card reader mount.



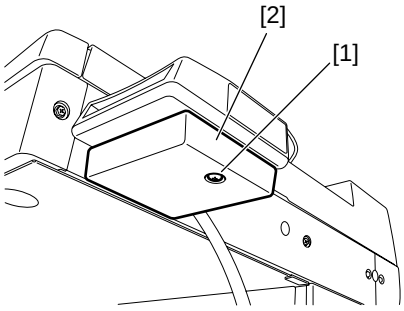
F-1-59

⚠
Route the repeating wire B [1] as shown below.



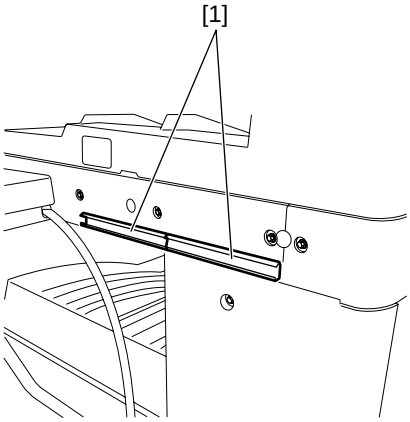
F-1-60

15) Secure the card reader cover [2].
- Supplied binding screw (M4x6) [1], 1pc.



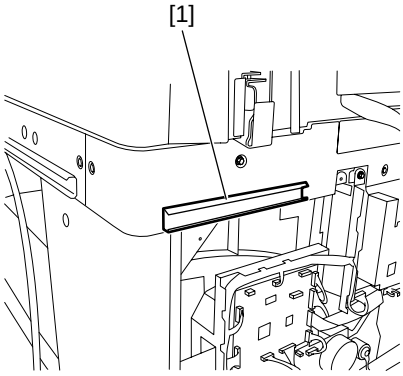
F-1-61

16) Affix the two supplied harness covers (bases) at the right rear of the machine with it aligned with the bottom line of the reader.



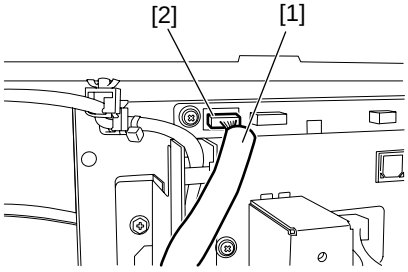
F-1-62

17) Affix the supplied harness cover (base) [1] at the back of the machine with it aligned with the bottom line of the reader.



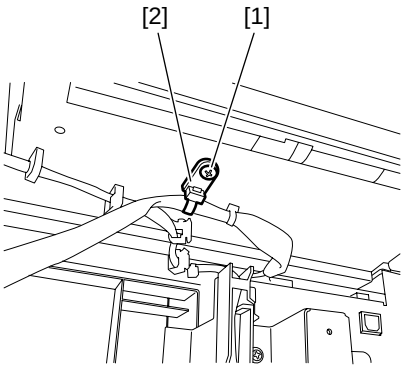
F-1-63

18) Connect the connector of the repeating harness B [1] to the connector J317 [2] on the image processor PCB.



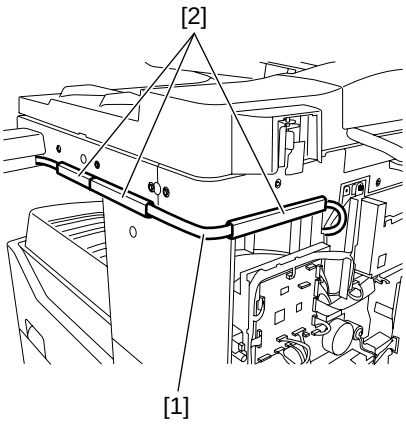
F-1-64

19) Secure the repeating harness B clamp [2].
- Supplied binding screw (M4x6) [1], 1pc.



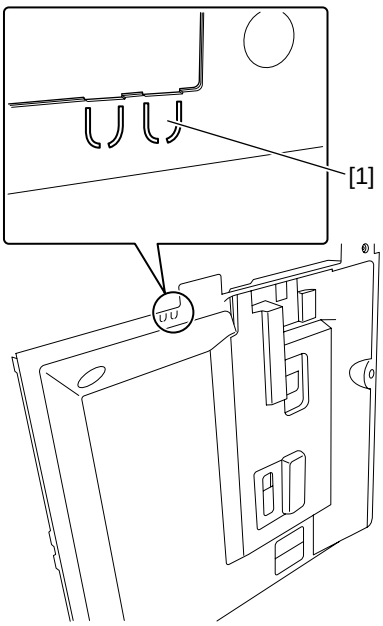
F-1-65

20) Using the three harness covers (lids) [2], secure the repeating harness B [1] to the harness covers (bases).



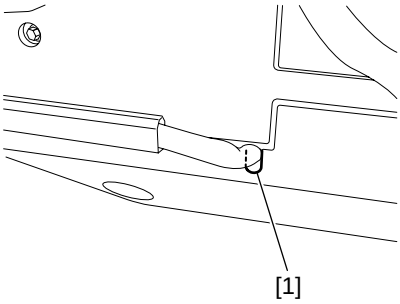
F-1-66

21) Using a nipper, remove the precut portion [1] of the rear cover as shown below.



F-1-67

22) Attach the rear cover with the repeating harness B routed through the cut portion [1] of the rear cover.



F-1-68

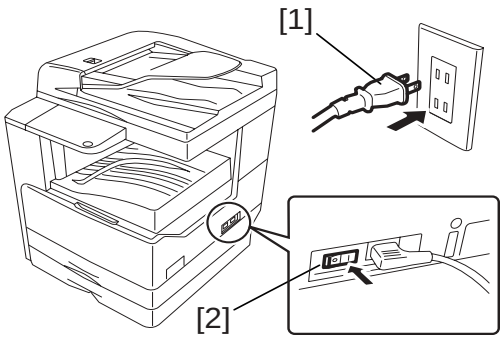
1.5.4 Registering the Card IDs

0017-5552

iR2018 / iR2022

> ⚠
> After installing the card reader-E1, register the card numbers to be used in the service mode of the host machine. If they are not registered, cards will not be recognized when inserted.

1) Plug the power cord [1] into the outlet, and then turn on the main power switch [2].



F-1-69

2) Press the following keys to display the service mode screen:
   Additional Functions Key > 2 Key > 8 Key > Additional Functions Key
3) Select "# ACC" using the + and - key, and then press the OK key.
4) Select "CARD" using the + and - key, and then press the OK key.
5) Specify the first ID number of the card ID numbers to be registered, and then press the OK key.
   Sequential Card ID numbers of 100 cards(*) are automatically registered in the department ID, starting with the specified card ID number.
   * When an optional ROM is added, card ID numbers of 1000 cards are registered.
6) Press the Additional Functions key to enter the user mode.
   7) Select "SYSTEM SETTINGS" using the + and - key, and then press the OK key.
8) Select "MANAGE DEPT. ID" using the + and - key, and then press the OK key.
9) Select "ON" using the + and - key, and then press

the OK key.

10) Turn main power switch off and on again. Check that "INSERT CARD" appears.

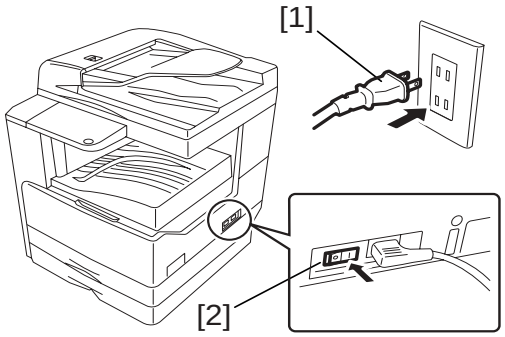
1.5.5 Registering the Card IDs

0017-5553

iR2022i / iR2025 / iR2030 / iR2018i

> ⚠
> After installing the card reader-E1, register the card numbers to be used in the service mode of the host machine. If they are not registered, cards will not be recognized when inserted.

1) Plug the power cord [1] into the outlet, and then turn on the main power switch [2].



F-1-70

2) Press the following keys to display the service mode screen:

   ✻ > 2 Key > 8 Key > ✻

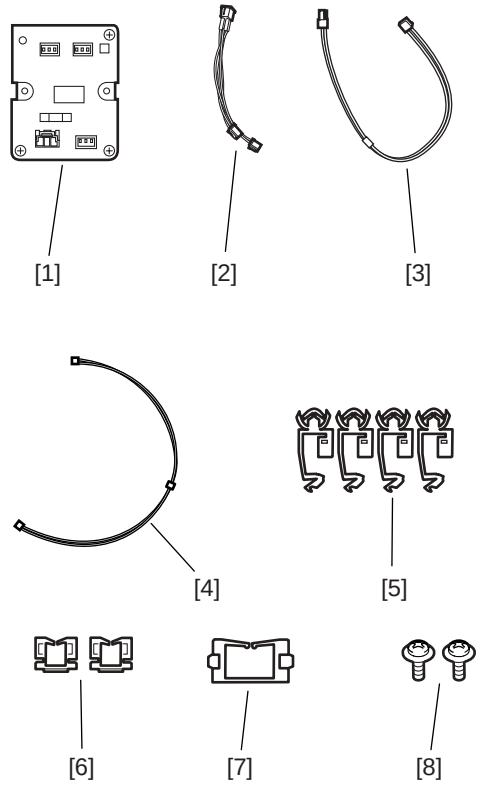
3) Select "# ACC" using ◀ and ▶, and then press the OK.
4) Select "CARD" using ◀ and ▶, and then press the OK.
5) Specify the first ID number of the card ID numbers to be registered, and then press the OK.
   Sequential Card ID numbers of 1000 cards are automatically registered in the department ID, starting with the specified card ID number.
6) Press ✻ key to enter the user mode.
7) Select "System Settings."
8) Select "Department ID Management."
9) Select "ON" and then press the OK.
10) Turn main power switch off and on again. Check that "Insert Card" appears.

1.6 Installing the Heater PCB

1.6.1 Preparing the parts 0017-5554

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Prepare the following parts.



F-1-71

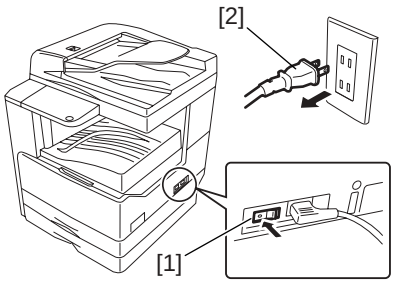
[1]	Heater PCB unit	1 pc.
[2]	Heater switch harness	1 pc.
[3]	Cassette heater harness	1 pc.
[4]	Heater control harness	1 pc.
[5]	Clamp	4 pcs.
[6]	Edge saddle (small)	2 pcs.
[7]	Edge saddle (large)	1 pc.
[8]	P screw (M3x8)	2 pcs.

⚠
One clamp is not used.

1.6.2 Preparing the Host Machine 0017-5555

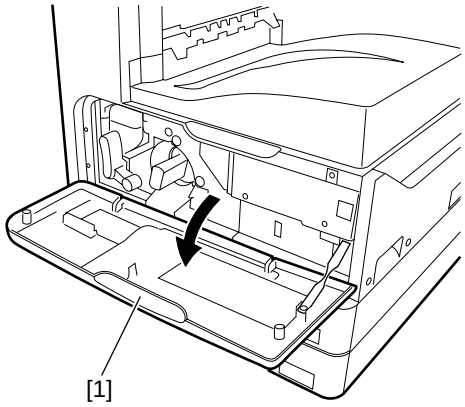
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Turn off the main power switch [1] of the host machine and disconnect the power plug [2] from the outlet.



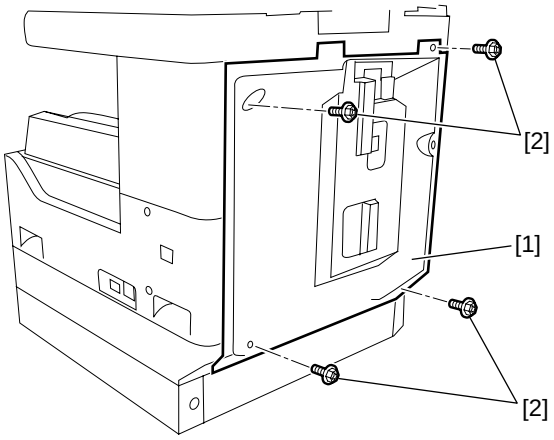
F-1-72

2) Open the front cover [1].

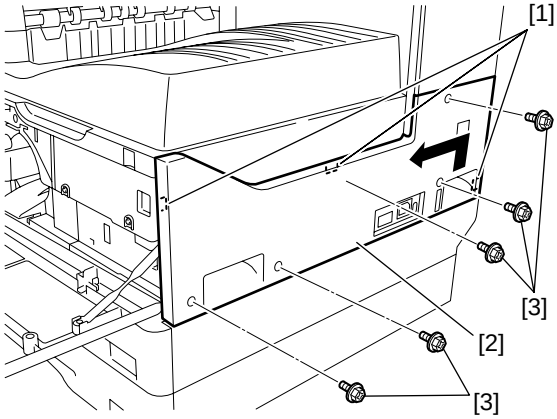


F-1-73

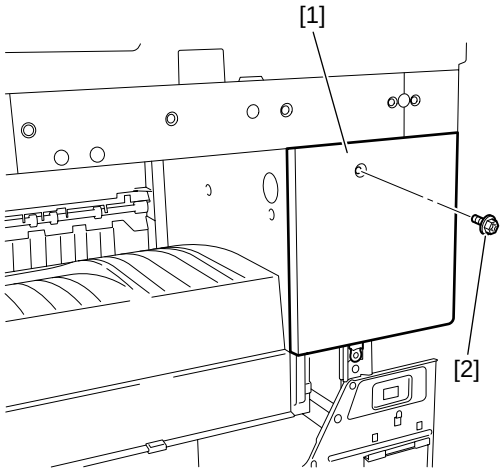
3) Remove the rear cover [1].
- RS tightening screws (M3 x 8)[2], 4 pcs.



4)Release the 3 hooks [1] and then remove the lower-right cover [2].
- RS tightening screws (M3 x 8)[3], 5 pcs.



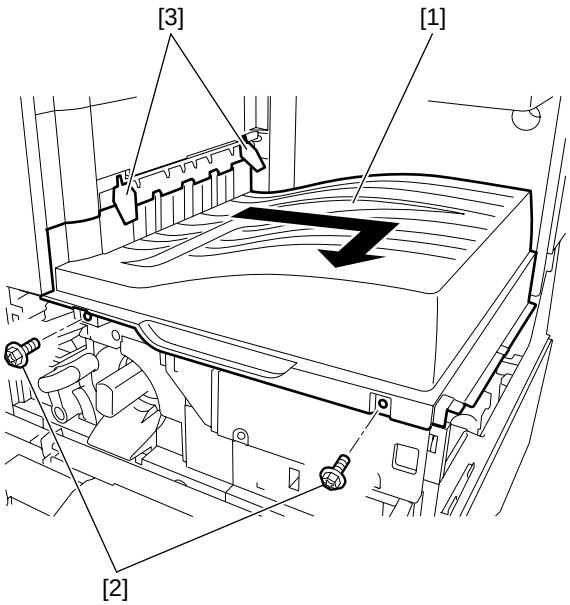
5) Remove the upper-right cover [1].
- RS tightening screw (M3 x 8)[2], 1 pc.



F-1-74

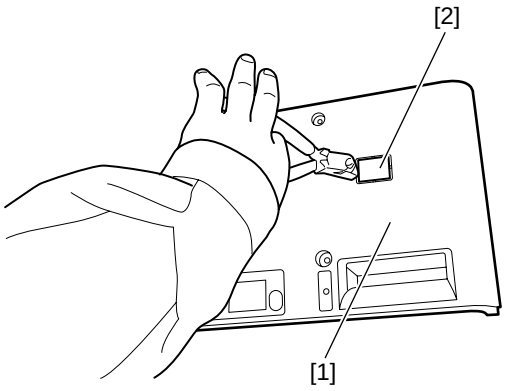
6) Remove the delivery tray [1].
- RS tightening screws (M3 x 8)[2], 2 pcs.

⚠
When detaching the derivery tray, be careful not to damage the paper holder [3].



MEMO:
When the Finisher-U2 is connected, detach the tray unit of finisher refer to the service manual of the Finisher-U2.

7) Using a nipper or the like, cut out the face plate [2] (used to install a heater switch) on the lower-right cover [1].



F-1-75

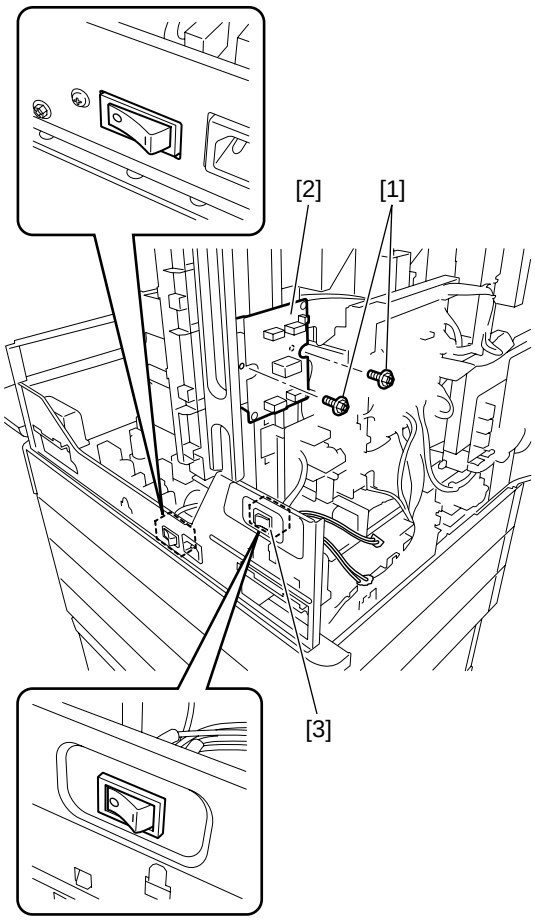
1.6.3 Installing the Heater PCB

0017-5556

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

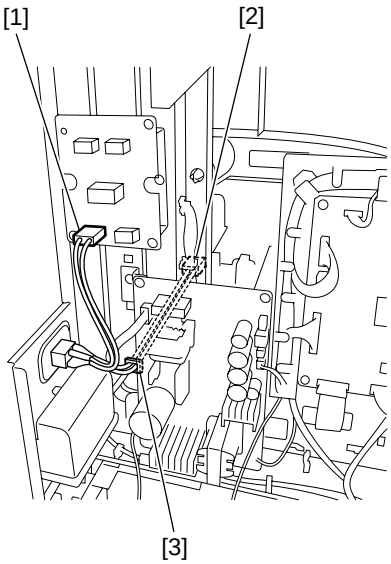
1) Install the heater PCB unit [2].
   - Supplied TP screws (M3x8) [1], 2pcs.
2) Install the heater switch [3] on the right side panel.

> ⚠
> Install the heater switch with the OFF position on the left and the ON position on the right just like the main power switch.



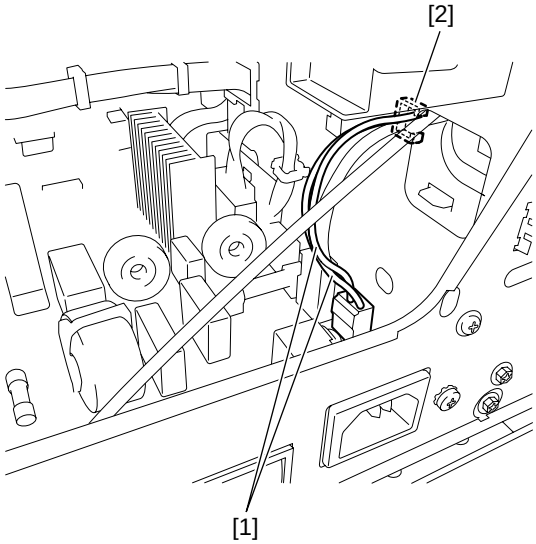
F-1-76

3) Install the edge saddle [3]. Connect one heater switch harness [1] to the connector (J1901) on the heater PCB. Route the other harness [2] to the front of the host machine through the edge saddle [3].



F-1-77

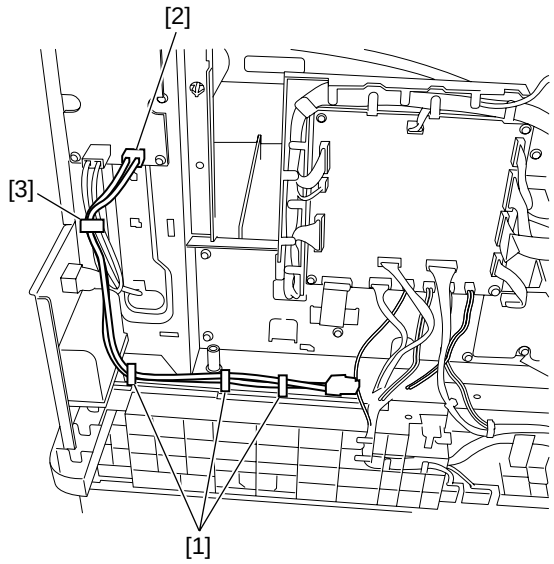
4) Attach the edge saddle [2], then connect the header switch harness [1] (routed to the front of the host machine) to the connector (J15) on the power supply PCB through the edge saddle [2].



F-1-78

5) Install the three clamps [1] on the back of the host machine.

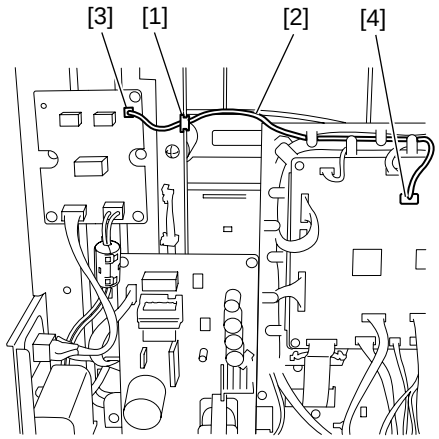
6) Connect the cassette heater harness [2] to the connector (J1905) on the heater PCB unit, install the reuse band [3], and then pass the harness through the clamps installed in step 5).



F-1-79

7) Install the edge saddle (small) [1].

8) Connect the heater harness [2] to the connector [3] (J1902) on the heater PCB unit, pass it through the attached edge saddle, and then connect it to the connector [4] (J224) on the DC controller PCB. Put the harness in the guide.



F-1-80

9) Install the delivery tray.
- RS tightening screws (M3 x 8) 2pcs.

> ⚠
> When attaching the delivery tray, be careful not to damage the full stack sensor and paper holders.

10) Install the upper-right cover.
- RS tightening screw (M3 x 8) 1pc.

11) Install the lower right cover.
- RS tightening screws (M3 x 8) 5pcs.

12) Install the upper-right cover.
- RS tightening screw (M3 x 8) 1pc.

13) Install the rear cover.
- RS tightening screws (M3 x 8) 4pcs.

14) Close the front cover of the host machine.

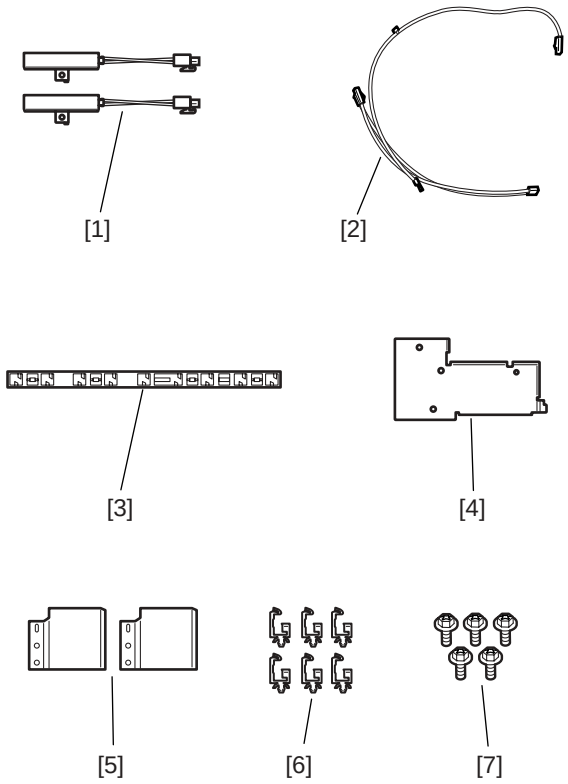
1.7 Installing the Reader Heater

1.7.1 Preparing the parts 0017-5557

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

> ⚠
> Before installing, make sure the heater PCB has been installed.

1) Prepare the following parts.



F-1-81

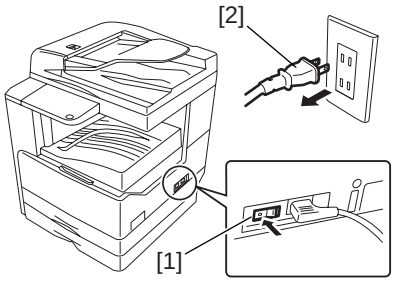
[1]	Reader heater	2 pcs.
[2]	Heater harness	1 pc.
[3]	Harness guide	1 pc.
[4]	Right heater base	1 pc.
[5]	Heater cover	2 pcs.
[6]	Clamp	6 pcs.
[7]	TP screw (M3x6)	5 pcs.

1.7.2 Installing the Reader Heater Harness

0017-5558

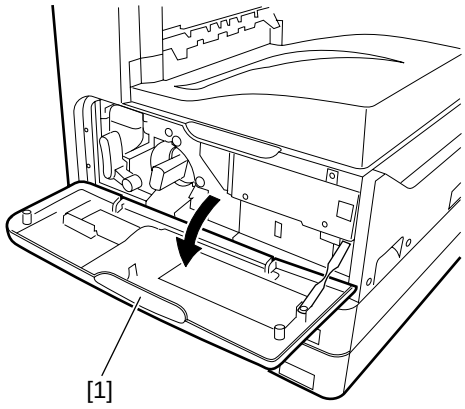
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Turn off the main power switch [1] of the host machine and disconnect the power plug [2] from the outlet.



F-1-82

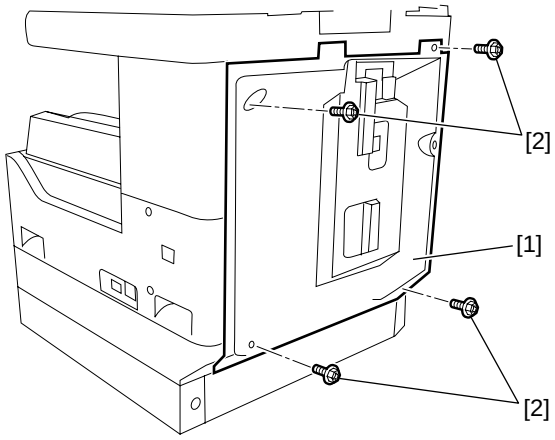
2) Open the front cover [1].



F-1-83

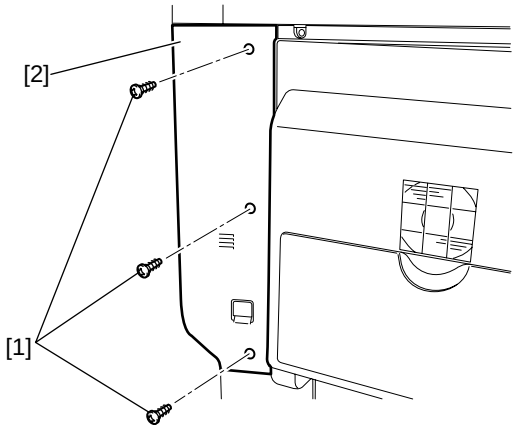
3) Remove the rear cover [1].

- RS tightening screws (M3 x 8)[2], 4 pcs.



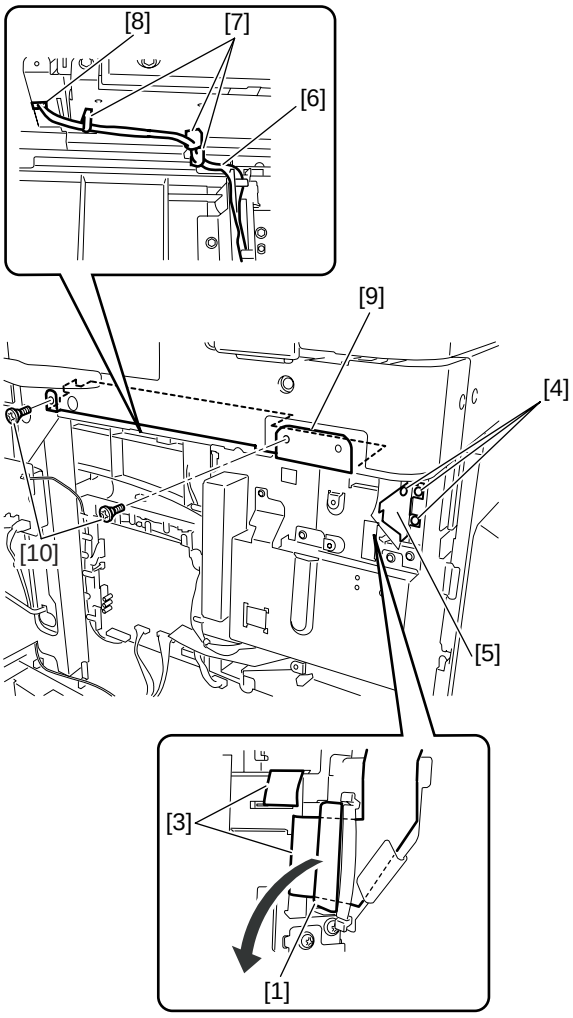
4) Remove the rear-left cover [2].

- RS tightening screws (M3 x 8)[2], 1 pc.



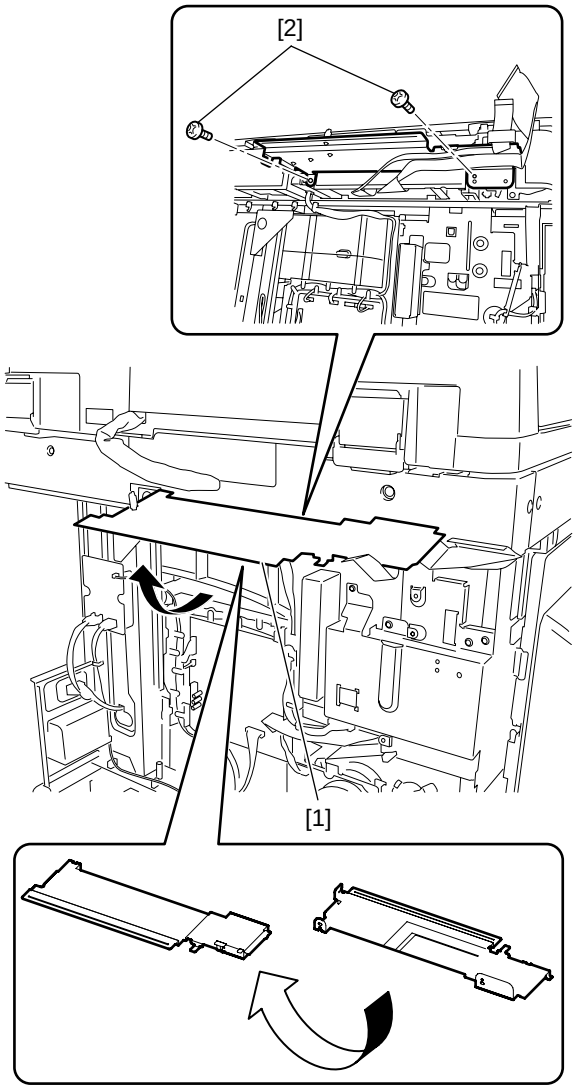
F-1-84

5) Open the core [1] on the rear side of the host machine. Disconnect the two leader flexible cables [3].
6) Detach the flexible cable guide [5].
   - Screws [4], 3 pcs.
7) Release the harness [6] from the three wire saddles [7] and one edge saddle [8].
8) Disconnect the leader flexible cable cover [9].
   - Screw [10], 2 pcs.



F-1-85

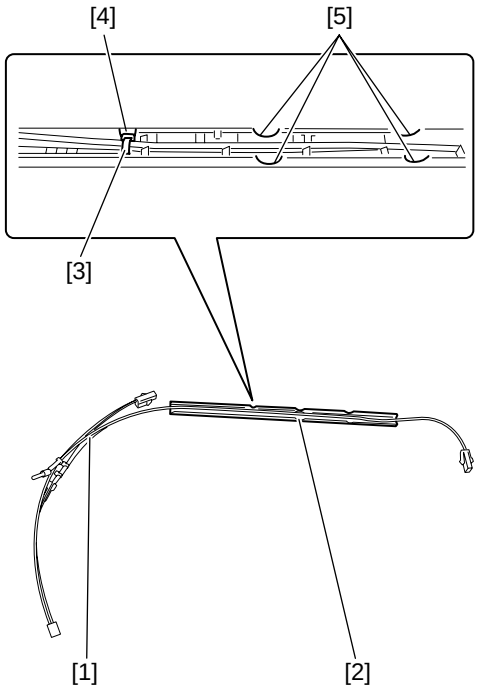
9) Turn over the reader flexible cable cover [1], and then secure to the back of the reader temporarily using a screw [2].



F-1-86

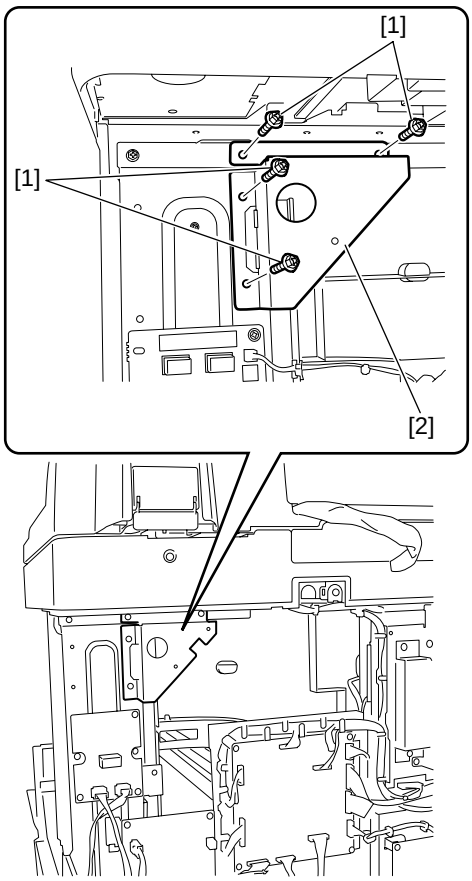
10) Pass the heater harness [1] though the harness guide [2] with the clamp [3] of the heater harness aligned with the notch [4] in the harness guide.

> ⚠
> Don't mistake the notch [4] and the notch [5] for screw stop.



F-1-87

11) Remove the metal plate [2].
- Screws [1], 4 pcs.

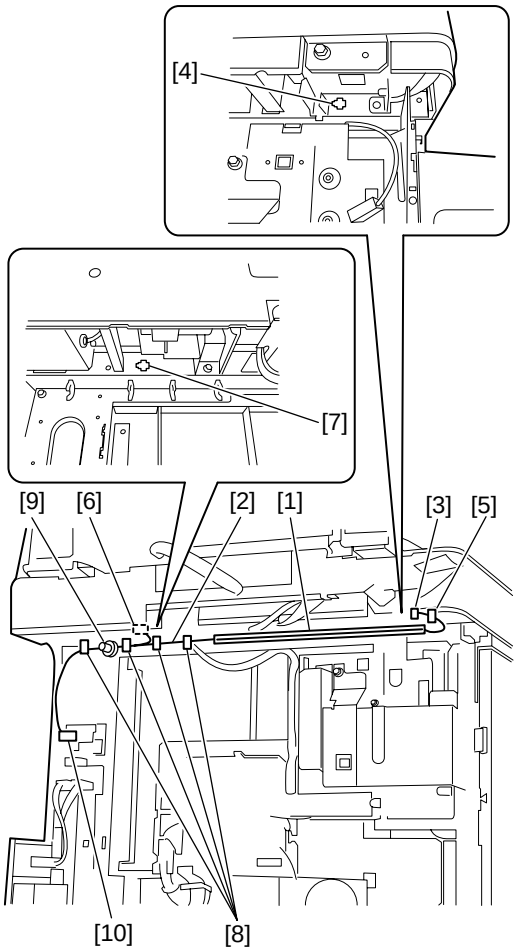


F-1-88

12) Secure the harness guide [1] to the rear bottom of the reader together with the heater harness [2].
13) Connect the heater connector (right) [3] to the hole [4] of the frame of the reader unit.
14) Install the wire saddle [5], and then pass the heater harness [2] through it.
15) Connect the heater connector (left) [5] to the hole [7] of the frame of the reader unit.
16) Install the four wire saddles [8], and then pass the heater cable through them.

MEMO:
Rout the heater cable so as its terminal [9] to be connected at the position shown in the Figure.

17) Connect the heater harness [2] to the connector (J1904) [10] on the heater PCB.



F-1-89

18) Install the metal plate removed in step 13).
- Screws, 4 pcs.

⚠
When reassembling the metal plate and screws, take account so as not to pinch the cable.

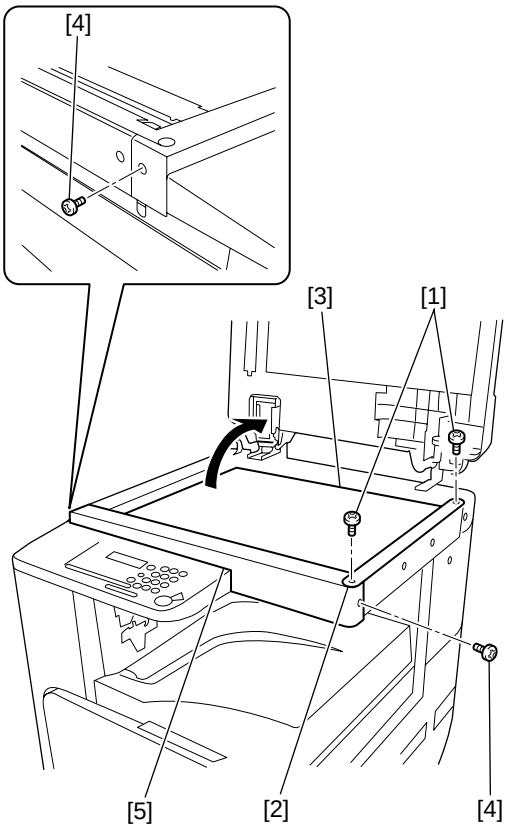
19) Install the reader flexible cover (temporarily secured in step 11) at the original position, and then perform steps 6 to 9 in reverse to connect the reader flexible cable to the image processor PCB.

1.7.3 Removing Reader Components 0017-5559

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

⚠
Installation precautions are as follows:
- Do not touch the top surface of the contact sensor.
- Be careful not to allow foreign objects to enter the reader unit.
- Do not stain the stream reading glass.
- Be careful not to touch grease on the shaft, when moving the contact sensor, etc.

1) Open the ADF/copyboard cover.
2) Remove the right glass holder [2] of the reader.
   - Screws [1], 2 opcs.
3) Remove the document deck glass [3].
4) Remove the front cover [5] of the reader.
   - Screws [4], 2 pcs.



F-1-90

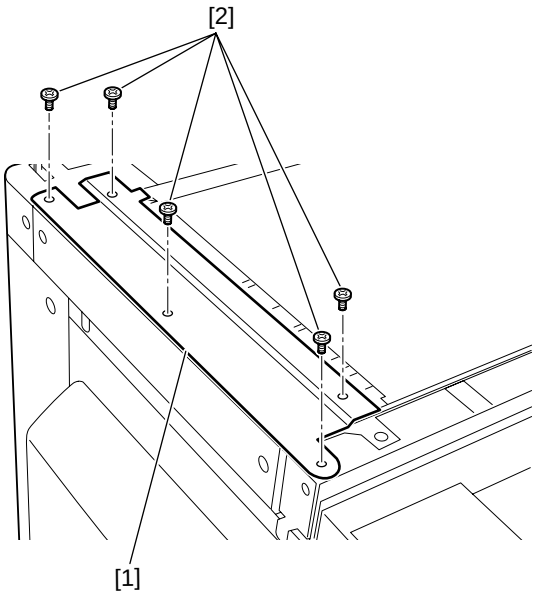
1.7.4 Removing Parts at the Left of the Reader 0017-5560

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

The work procedure for removing the parts at the left of the reader differs between the machine with a copyboard cover and the machine with a DADF. Follow the appropriate procedure.

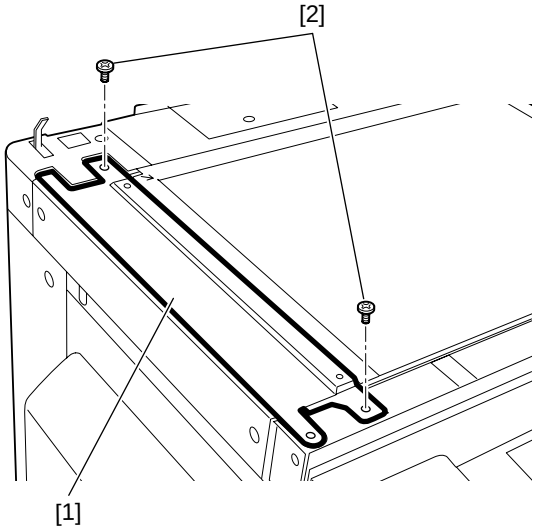
a. Machine with a Copyboard Cover

1) Remove the upper-left cover [1] of the reader.
- Screws [2], 5 pcs.



F-1-91

2) Remove the blind plate [1].
- Screws [1], 2 cps.

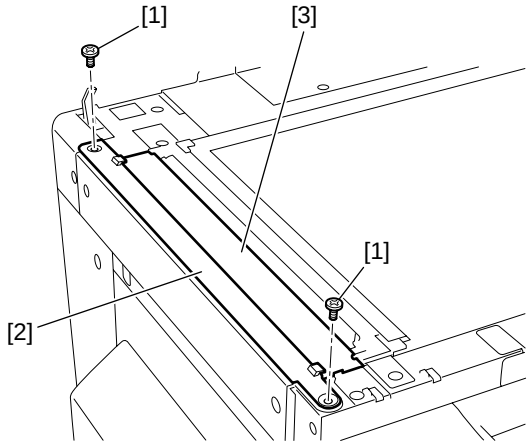


F-1-92

b. Machine with a DADF

1) Remove the stream reading glass holder [2].
- Screws [1], 2 pcs.

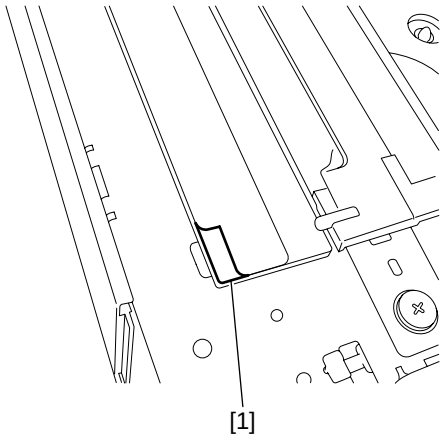
2) Remove the stream reading glass [3].



F-1-93

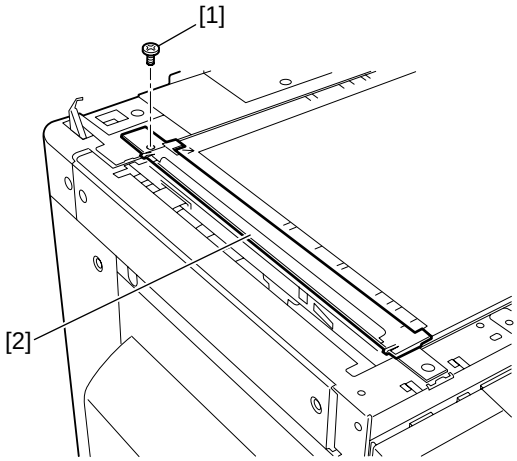
⚠

Mount the stream reading glass with the notch [1] of the sheet material affixed to the glass is at the front left.



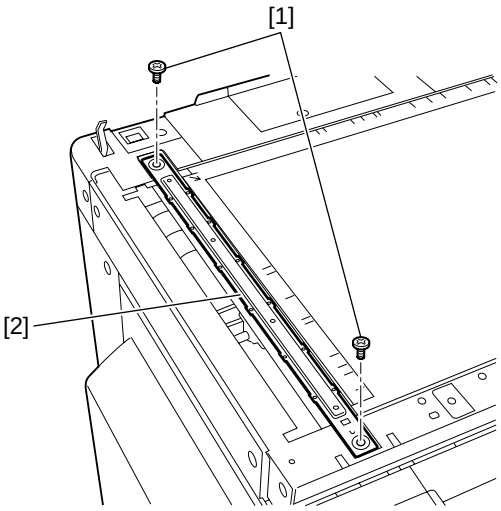
F-1-94

3) Remove the jump board [2].
- Screw [1], 1pc.



F-1-95

4) Remove the stay [2].
- Screws [1], 2pcs.



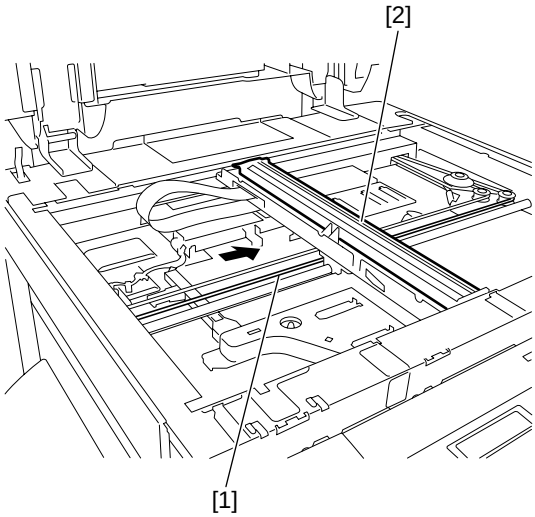
F-1-96

1.7.5 Installing the Reader Heater 0017-5561

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Pull the front side [1] of the drive belt in the direction of the arrow to move the contact sensor [2] to the vicinity of center.

> ⚠
> Do not touch the top surface of the contact sensor.



F-1-97

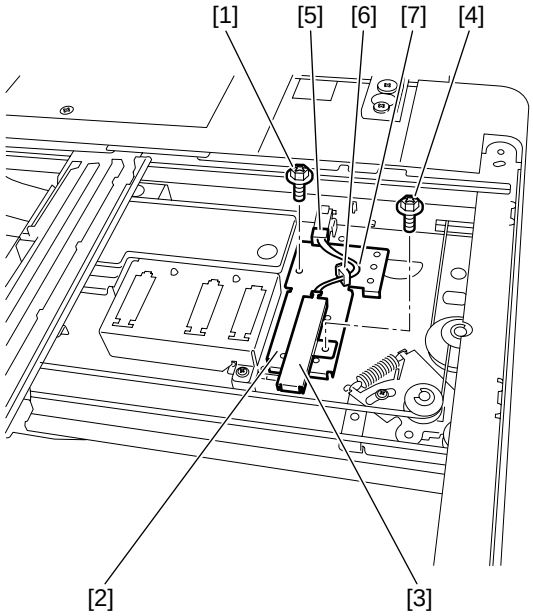
2) Install the heater base [2].
- Screw [1], 1 pc.

3) Install the reader heater [3] on the header base [2].
- Screw [4], 1 pc.

2) Install the heater base [2] using a screw [1].

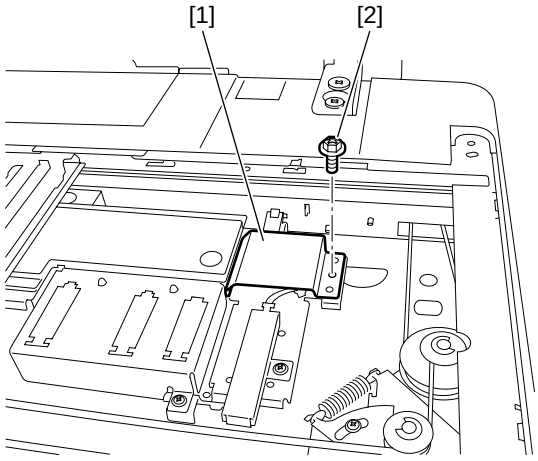
3) Install the reader heater [3] on the header base [2] using a screw [4]. Connect the connector [5] of the heater. Install the wire saddle [6] and route the cable [7].

4) Install the wire saddle [6] and route the cable [7].
5) Connect the connector [5] of the heater.



F-1-98

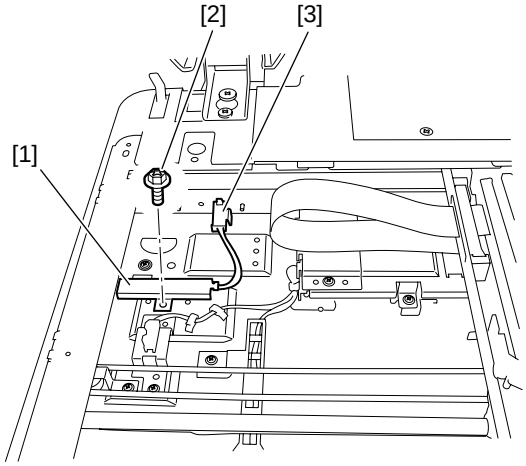
6) Attach the heater cover [1].
- Screw [2], 1 pc.



F-1-99

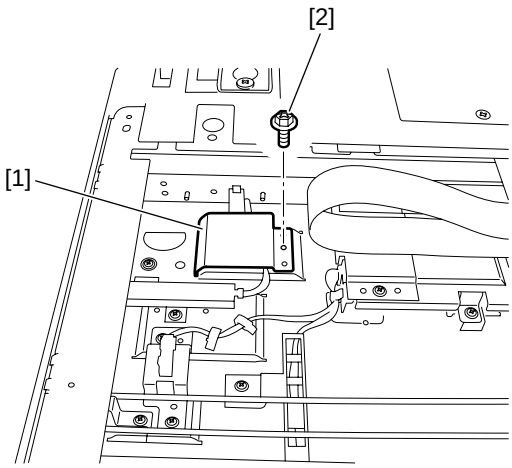
7) Install the reader heater [1].
- Screw [2], 1 pc.

8) Connect the connector [3] of the heater.



F-1-100

9) Attach the heater cover [1].
- Screw [2], 1 pc.



F-1-101

10) Reinstall the parts at the left of the reader.
- Stay (2 screws)
- Jump board (1 scerw)
- Stream reading glass
- Grass holder (2 scerws)

⚠
Tighten the screws pressing the glass holder towards the glass.

11) Attach the front cover of the reader.
   - Screws, 2 pcs.
12) Install the copyboard glass.
13) Install the right glass holder of the reader.
   - Screws, 2 pcs.

⚠
Tighten the screws pressing the glass holder towards the glass.

14) Attach the rear-left cover of the host machine.
   - Screws, 3 pcs.
15) Attach the upper-right cover of the host machine.
   - Screw, 1 pc.
16) Attach the lower-right cover of the host machine.
   - Screws, 5 pcs.
17) Attach the rear cover of the host machine.
   - Screws, 4 pcs.

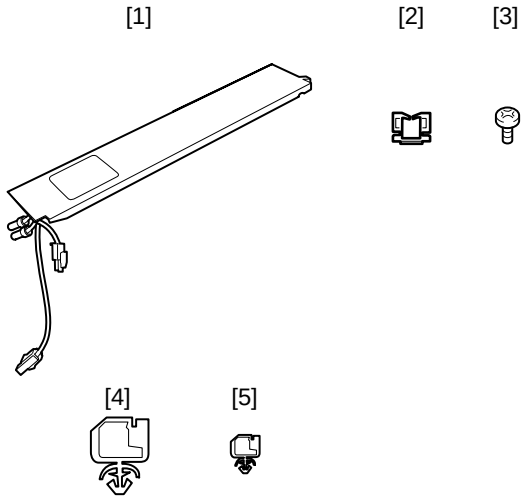
1.8 Installing the Cassette Heater

1.8.1 Preparing the parts 0017-5562

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

⚠
Before installing the cassette heater, make sure the heater PCB has been installed.

1) Prepare the following parts.



F-1-102

[1]	Cassette heater	1 pc.
[2]	edge saddle*1	1 pc.
[3]	P tightning screw (M4x8)	1 pc.
[4]	Wire saddle (large)	1 pc.
[5]	Wire saddle (small)*1	1 pc.

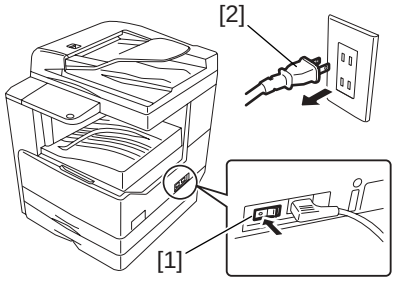
*1: Use the edge saddle [2] and wire saddle (small) [5] only when attaching the cassette heater to the host machine. Do not use them when attaching the cassette heater to the optional cassette.

1.8.2 Installing the Cassette Heater

0017-5563

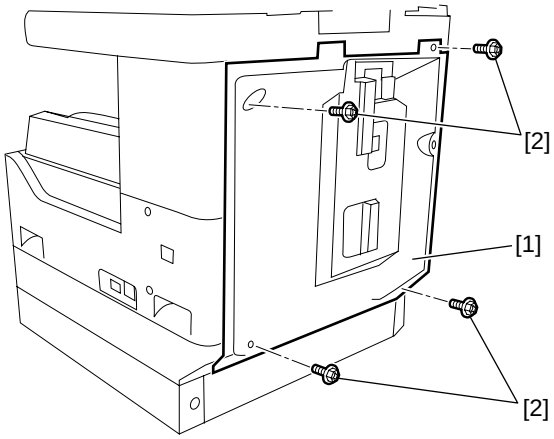
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Turn off the main power switch [1] of the host machine and disconnect the power plug [2] from the outlet.



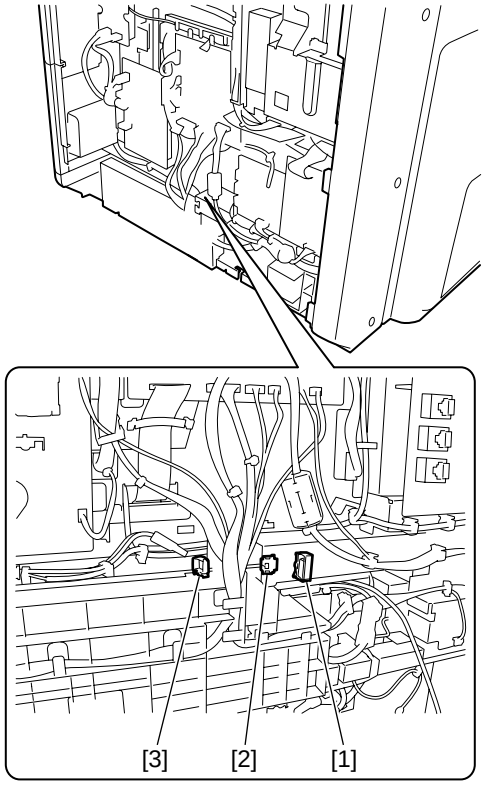
F-1-103

2) Remove the rear cover [1].
- Screws [2], 4 pcs.



3) Install the wire saddle (large) [1], edge saddle [2], and wire saddle (small) [3].

⚠
Install the wire saddle [3] on the molded part side.



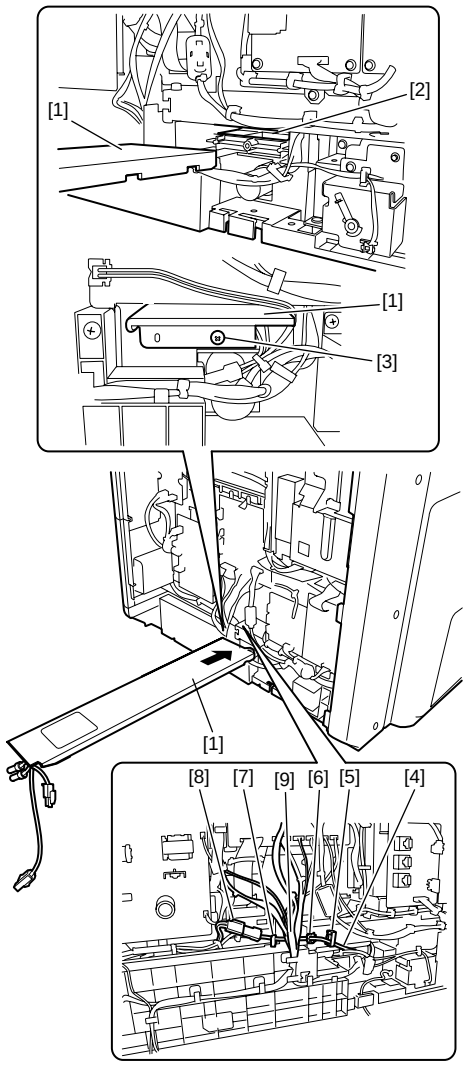
F-1-104

4) From the rear of the host machine, insert the cassette heater [1] in the slot [2] in the host machine.

> ⚠
> When installing the cassette heater, exercise care so that the harness is caught in other parts.

5) Secure the cassette heater [1].
   - Screw [3], 1 pc.
6) Pass the cassette heater harness [4] in the wire saddle (large) [5], edge saddle [6], and wire saddle (small) [7].
7) Connect the connector of the cassette harness to the connector [8].

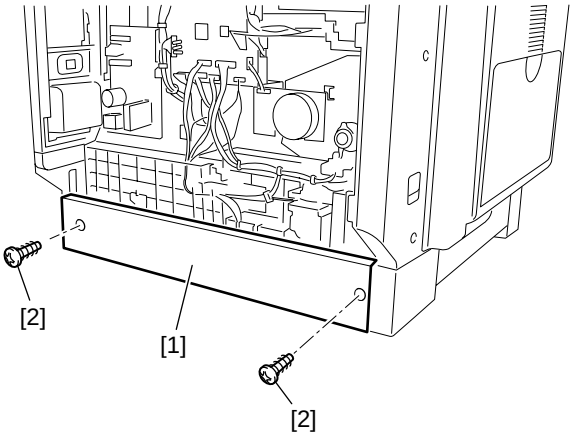
> ⚠
> Route the cassette heater harness [4] behind the harness [9].



F-1-105

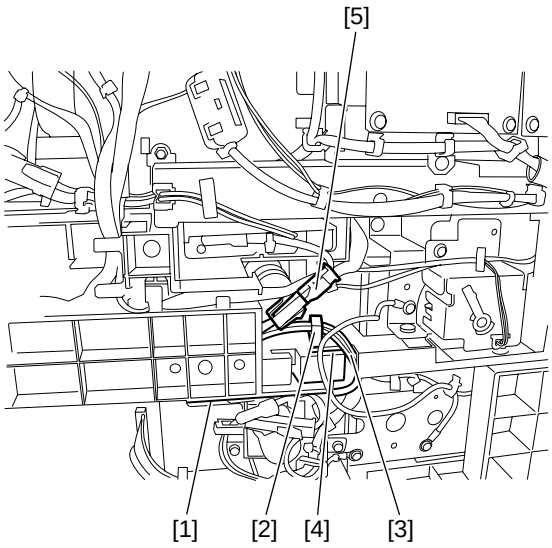
8) When attaching the cassette heater to the first optional cassette [1], perform step 9 after attaching it.

9) Remove the cassette rear cover [1].
- Screws [2], 2 pcs.



F-1-106

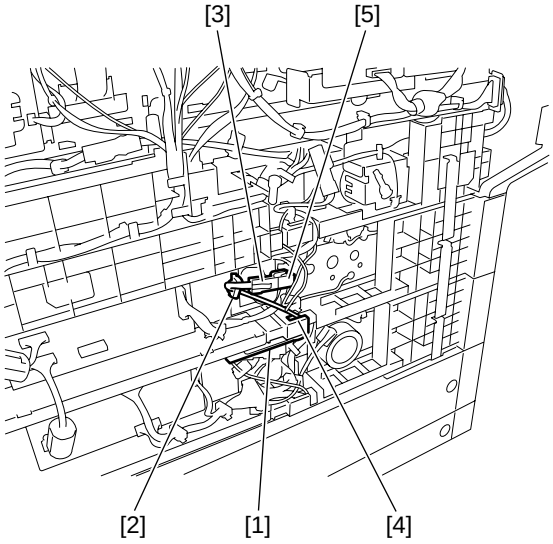
9) Install the wire saddle (large) [2], lace the cassette heater harness [3] through the harness guide [4] and wire saddle (large) [2], and then connect the connector of the cassette heater harness to the connector [5].



F-1-107

10) When attaching the cassette heater to the second or subsequent optional cassette, perform step 11 after attaching the cassette heater.

11) Install the wire saddle (large) [2], lace the cassette heater harness [3] through the harness guide [4] and wire saddle (large) [2], and then connect the connector of the cassette heater harness to the connector [5].



F-1-108

12) Attach the rear covers of the host machine and cassette.
- Screws, 4 pcs. (Host machine rear cover)
- Screws, 2 pcs. (Cassette rear cover)

13) Turn on the host machine.

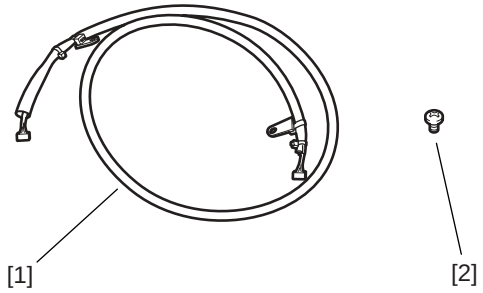
14) Turn on the heater switch and check that the cassette heater is powered.

1.9 Installing the Control Card Cable

1.9.1 Preparing the parts 0017-5564

iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Prepare the following parts.



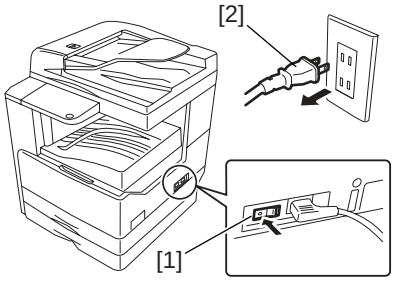
F-1-109

[1]	Control card cable	1 pc.
[2]	Binding screw (M4x6)	1 pc.

1.9.2 Installing the Control Card Cable 0017-5565

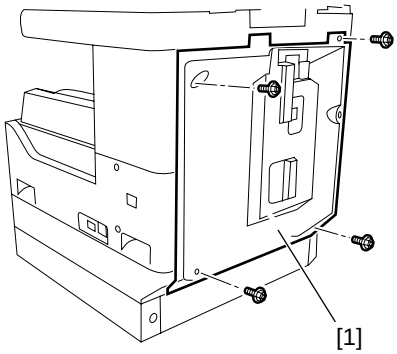
iR2022i / iR2025 / iR2030 / iR2018 / iR2022 / iR2018i

1) Turn off the main power switch [1] of the host machine and disconnect the power plug [2] from the outlet.



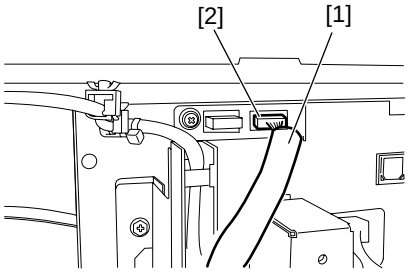
F-1-110

2) Remove the rear cover [1].
- Screws, 4 pcs.



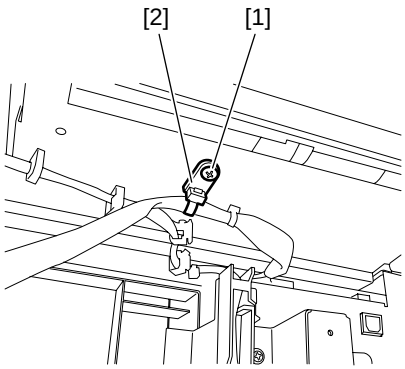
F-1-111

3) Connect the connector of the control card cable [1] to the connector J320 [2] on the image processor PCB.



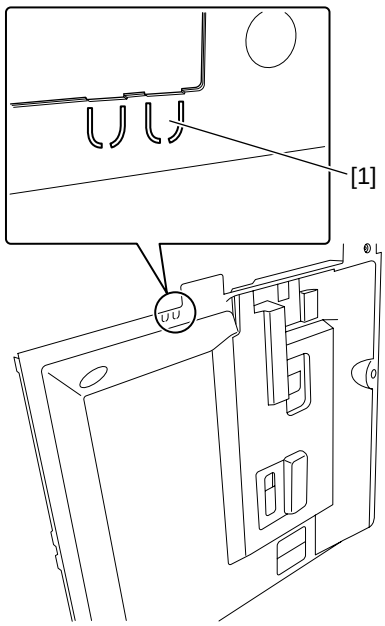
F-1-112

4) Secure the control card cable clamp [2].
- Binding screw (M4X6) [1], 1pc.



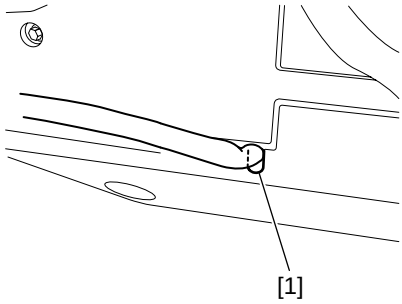
F-1-113

5) Using a nipper, remove the precut portion [1] of the rear cover as shown below.



F-1-114

6) Attach the rear cover with the control card cable routed through the cut portion [1] of the rear cover.



F-1-115

7) Continue work for the control card.

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