

Installation Procedure

Paper Deck Side Paper Deck-X1

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.

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Caution



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

Symbols Used

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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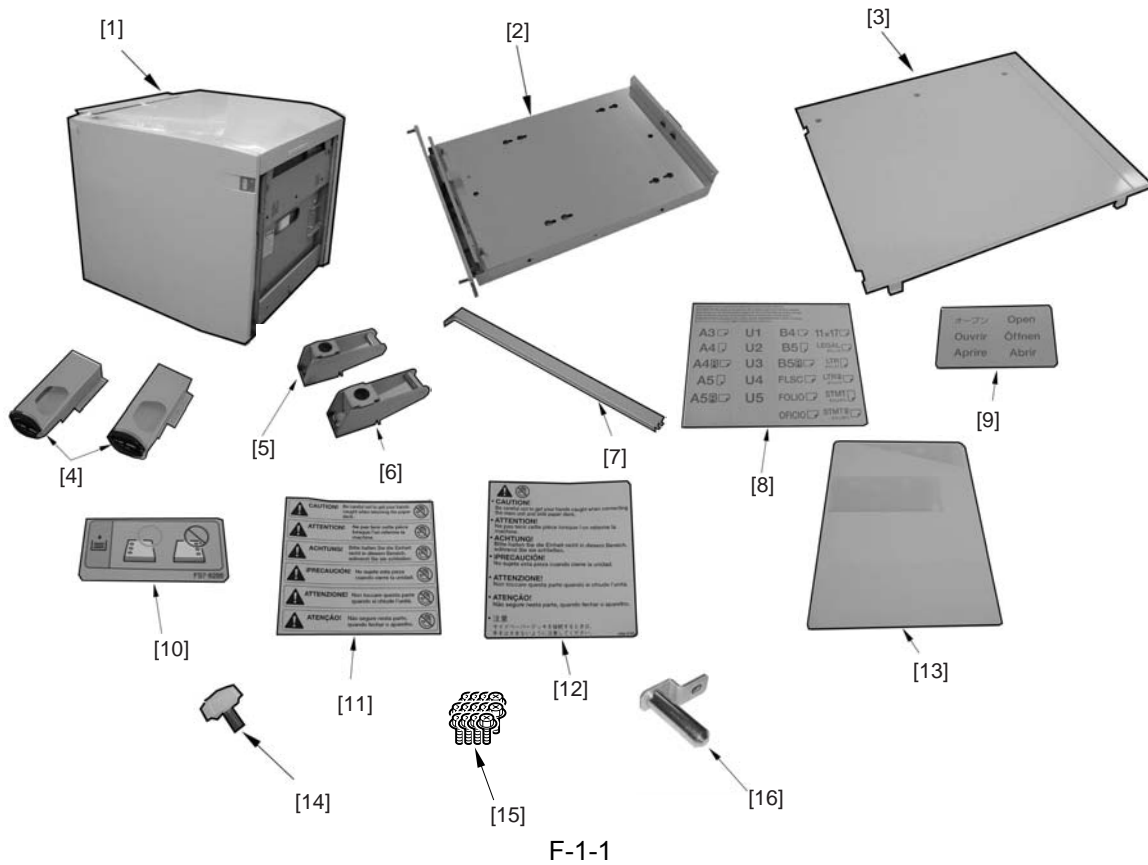
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Chapter 1 Installation Procedure

1.1 Unpacking and Checking the Components

1.1.1 Checking the Contents

0011-3357



F-1-1

[1] Paper deck	1pc.	[9] Open label	1pc.
[2] Deck mount	1pc.	[10] Three-hole paper setting label	1pc.
[3] Right cover	1pc.	[11] Finger caution label	1pc.
[4] Roller support	2pc.	[12] Hand caution label	1pc.
[5] Front latch receptacle	1pc.	[13] Lifter sheet set (sheet: 9, case: 1)	1pc.
[6] Rear latch receptacle	1pc.	[14] Limit plate securing screw	1pc.
[7] Paper end limit plate	1pc.	[15] RS tightening screw (M4X8)	16pc.
[8] Paper size label	1pc.	[16] Positioning pin	1pc.

1.2 Installation Procedure

1.2.1 Installing to the Copier

0011-3361

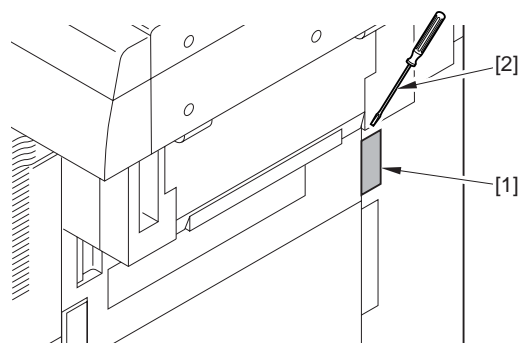
< Installation Procedure >



When attaching the Paper Deck to the host machine:

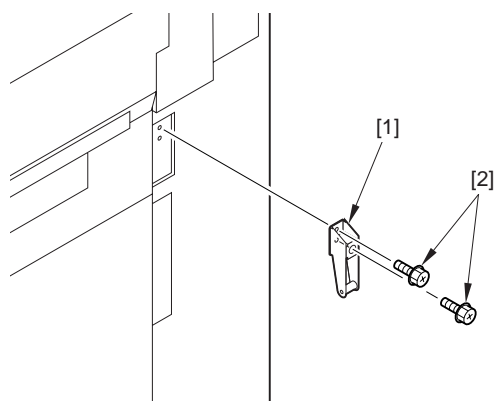
- Check that the power cable of the host machine is unplugged.
- Check that the host machine is installed completely.
- Do not carry in or out the host machine with the Paper Deck attached (to prevent damage).

- 1) At the top of the rear face cover [1], insert a flat-bladed screwdriver [2]. While releasing the lock nail, detach the rear face cover.



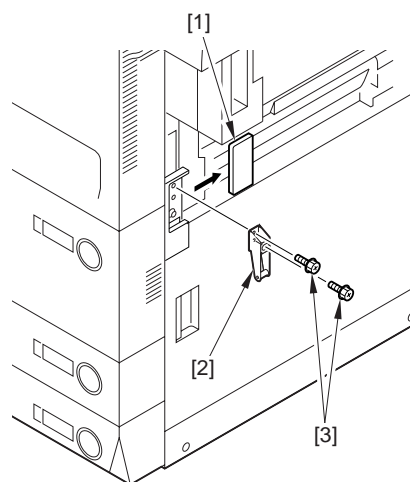
F-1-2

- 2) Attach the rear latch receptacle [3] with two accessory RS tightening screws.



F-1-3

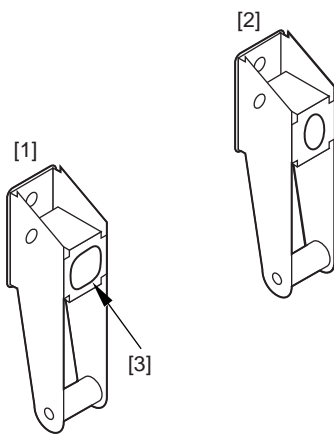
- 3) Open the upper right door and slide the front face cover [1] in the direction of the arrow shown in the figure to remove.
- 4) Attach the front latch receptacle [2] with two accessory RS tightening screws.



F-1-4

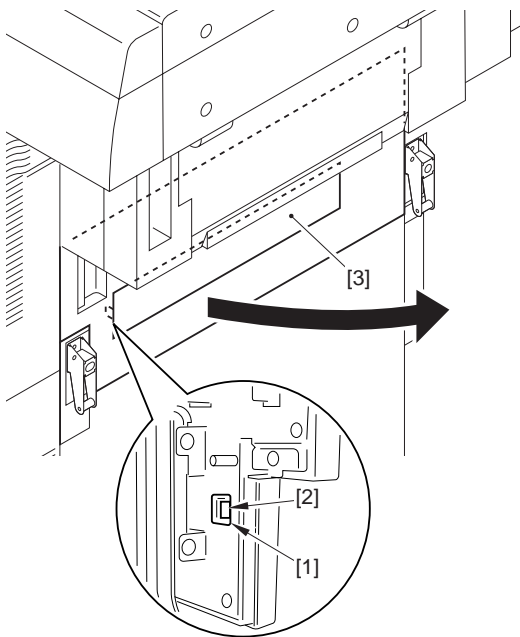


The screw mounting hole differs for the front latch receptacle [1] and the rear latch receptacle [2]. The larger hole [3] is for the front latch receptacle.



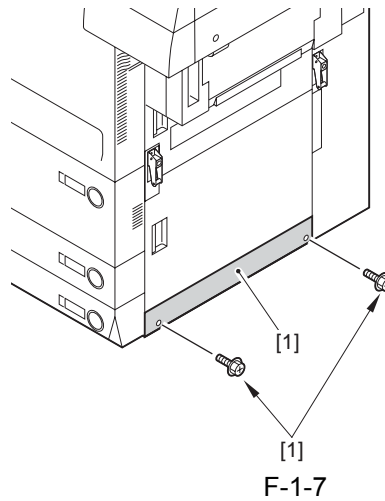
F-1-5

- 5) Free the claw [2] of the face cover from the opening [1] found behind the right door, and detach the face cover.



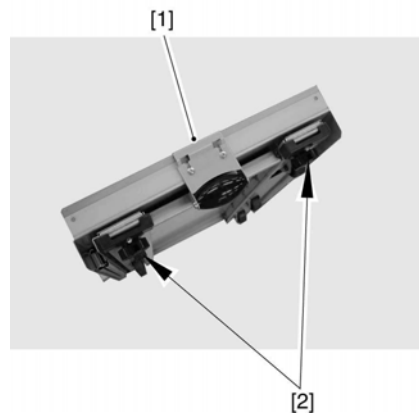
F-1-6

- 6) Undo the two screws and detach the lower right cover [1].

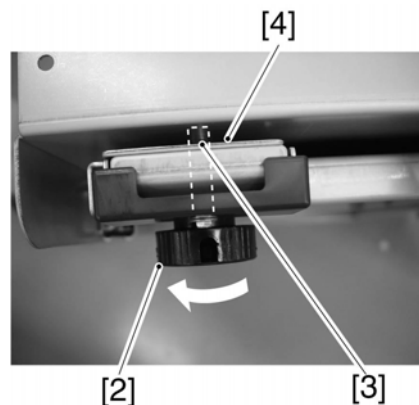


F-1-7

- 7) Take the deck mount out of the package.
8) The deck mount [1] has two adjusters. Turn each adjuster [2] until the adjuster axis [3] comes to the rail surface [4].



F-1-8



F-1-9

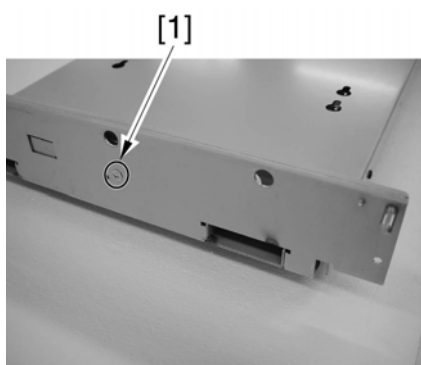


F-1-10

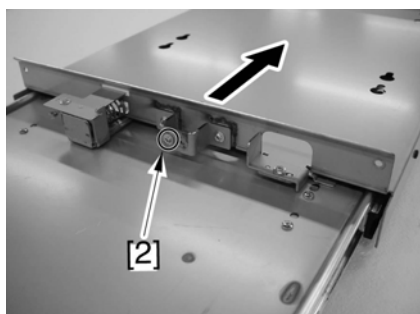
9) Remove one screw [1], slide the deck mount, and attach the removed screw to the position of [2].



When transferring the machine for moving, the deck mount should be secured. Fix the screw at the position of [2] not to lose.



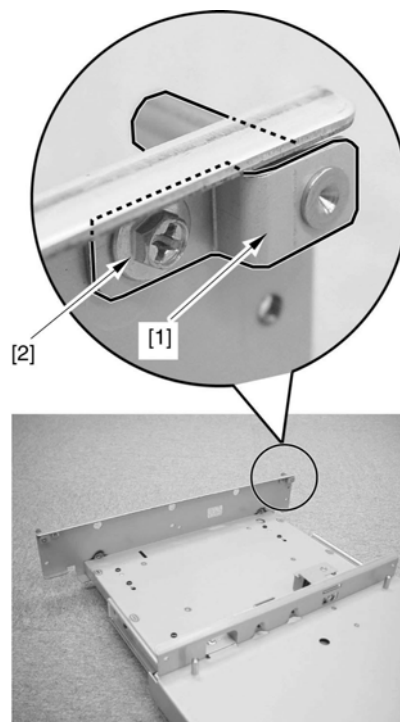
F-1-11



F-1-12

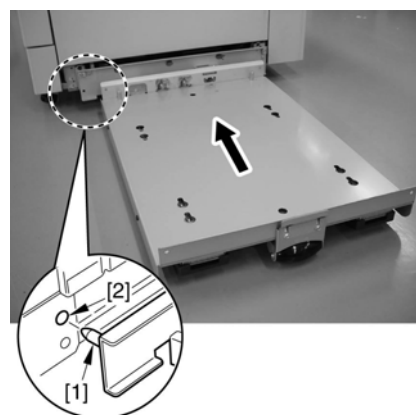
10) Attach the positioning pin [1] to the deck mount

with the accessory RS tightening screw as shown in the figure.

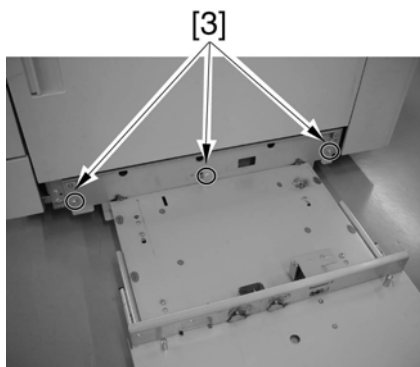


F-1-13

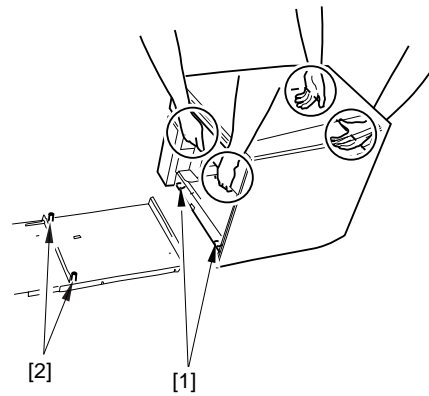
11) Press the deck mount positioning pin [1] into the hole [2] in the bottom plate of the host machine and secure the deck mount with three accessory RS tightening screws [3].



F-1-14



F-1-15

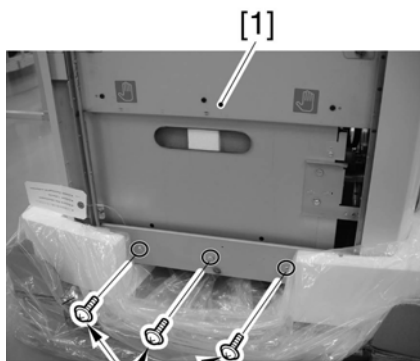


F-1-17

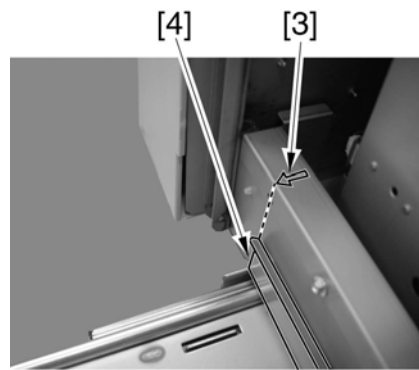
12) Take the plastic bag off the Paper Deck [1] and remove three screws [2] from the right side of the Paper Deck.



Keep the three removed screws for later use.



F-1-16

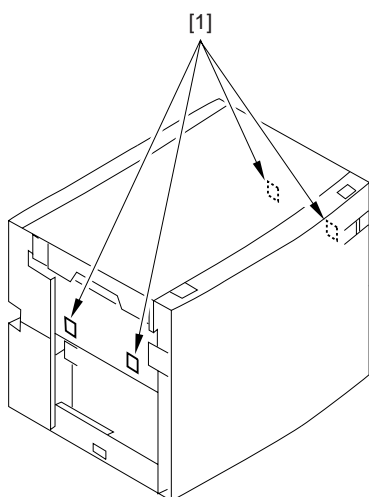


F-1-18



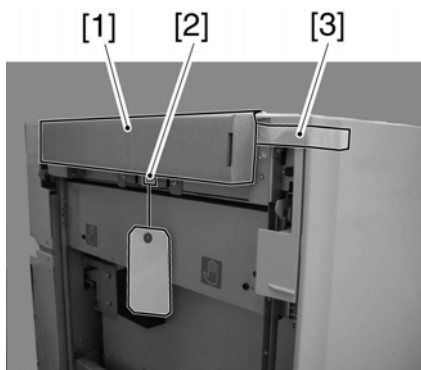
For lifting, hold the Paper Deck at the handle label positions at least with another person.

13) Hold the Paper Deck by the handles shown below and place it on the deck mount while aligning its holes [1] at the bottom with the pins [2] of the deck mount. For easy pin insertions into the holes, align the arrow [3] on the left stay of the Paper Deck with the edge [4] of the deck mount.



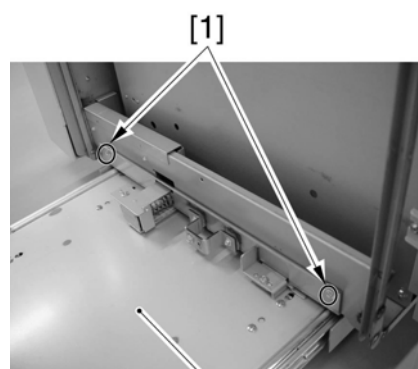
F-1-19

14) Remove the protective material [1], the roller pressure release [2], and the packing tape [3] from the Paper Deck.

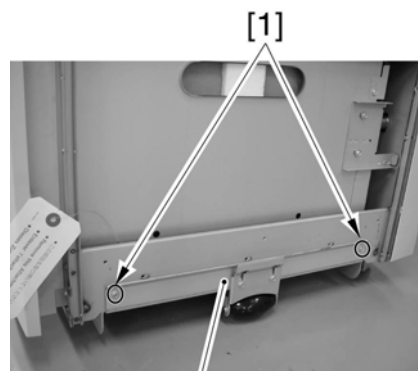


F-1-20

15) With four accessory RS tightening screws [1], secure the Paper Deck on the deck mount [2].



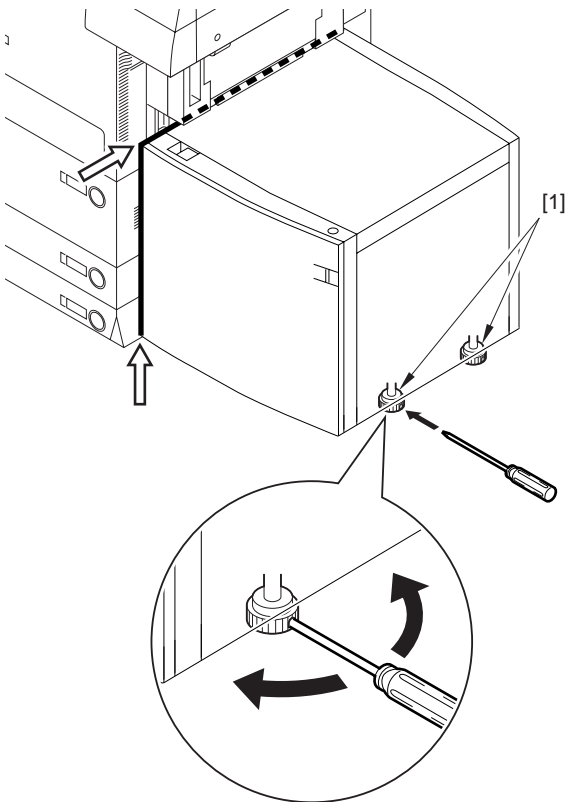
[2]
F-1-21



[2]
F-1-22

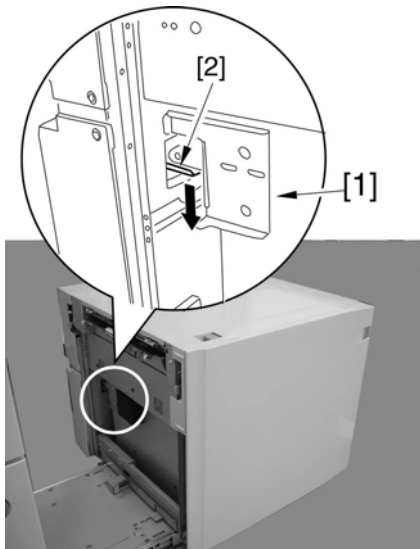
16) Slide the Paper Deck to left for attachment to the host machine.

17) Turn the two adjusters [1] of the deck mount with a screwdriver to make the front and top gaps between the Paper Deck and the host machine parallel.



F-1-23

- 18) Release the Paper Deck from the host machine.
- 19) Press the release level [2] down by finger to open the storage [1].



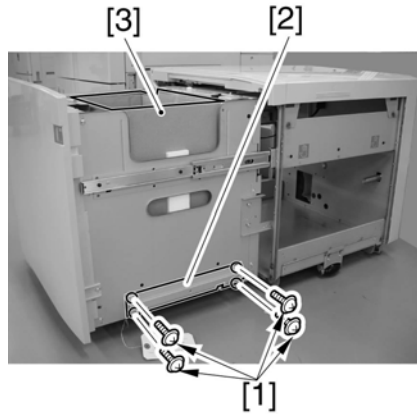
F-1-24

- 20) Remove four screws [1] and detach the fixture [2].

Detach also the cushion [3] inside the storage.

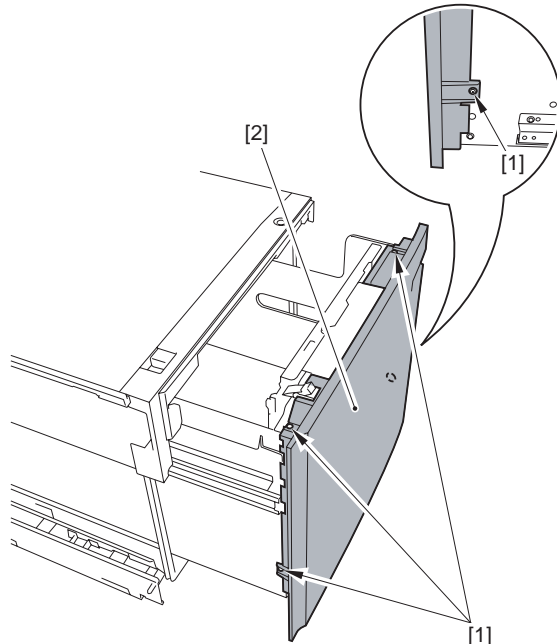


Keep the four removed screws for later use.



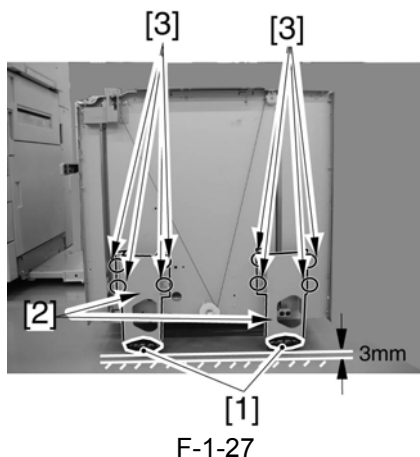
F-1-25

- 21) Keep the mounting position of the front deck cover in memory by referencing the scales marked around the mounting screws.
- 22) Loosen four screws [1] and detach the front deck cover [2].

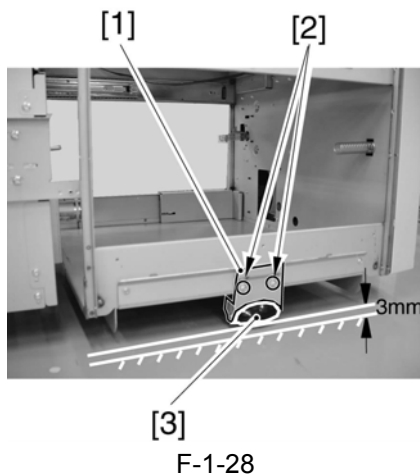


F-1-26

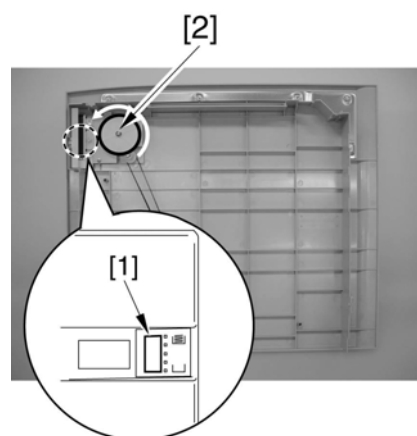
- 23) Pull the storage out completely, hold the rollers [1] about 3 mm from the floor, and secure the two roller supports [2] with eight accessory RS tightening screws [3].



- 24) Loosen the two securing screws [2] at the right roller support [1] of the deck mount. Slide the paper deck completely to right and tighten the screws [2] to keep the roller [3] about 3 mm from the floor.

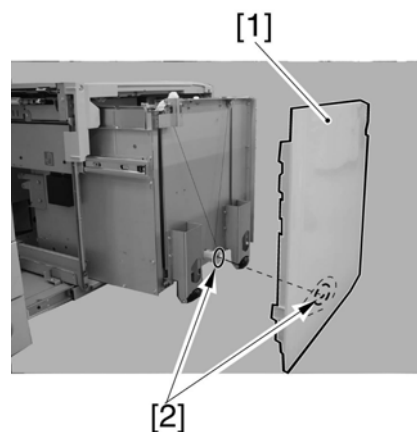


- 25) Check that the paper indicator [1] on the front deck cover is white. Otherwise, turn the gear [2] counterclockwise until the indicator [1] becomes white.



F-1-29

- 26) Attach the front deck cover [1] while aligning it with the paper indicator coupling [2].



F-1-30

- 27) Secure the paper end limit plate [1] at the initial paper size position (A3 or 11X17) with the limit plate securing screw [2].



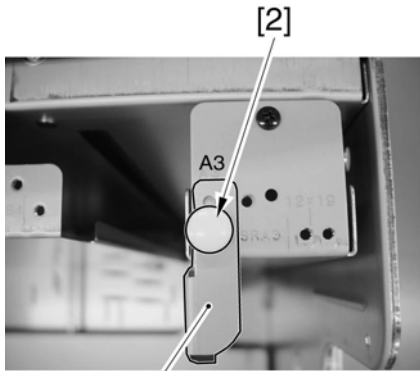
[1]
F-1-31

When changing the paper size by user request, follow the instructions given in Section 6, "Changing the Paper Size."

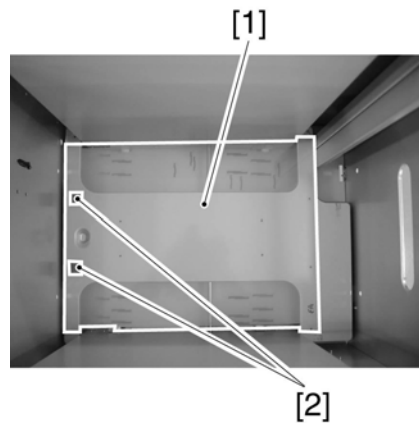
28) Place a lifter sheet [1] suitable for the paper size on the lifter.



Check that the lifter sheet is not aground on the separation sheet [2].

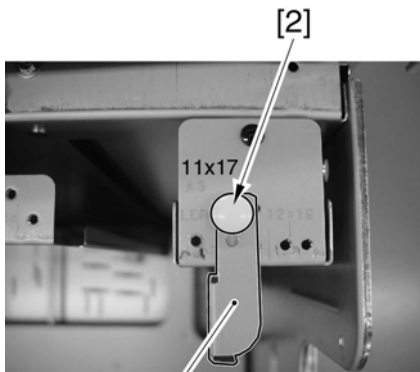


[1]
F-1-32

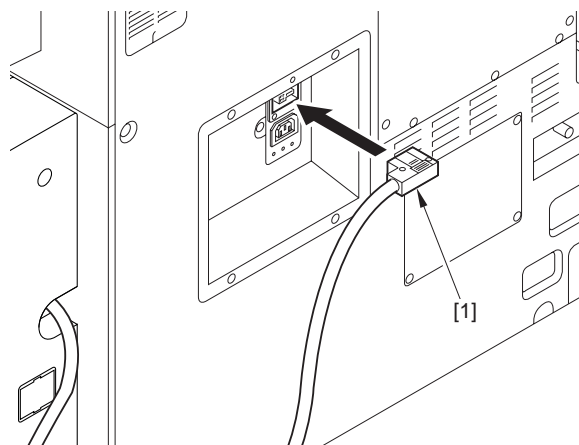


F-1-34

29) Detach the connector cover from the back of the host machine and connect the paper deck connector [1].



[1]
F-1-33

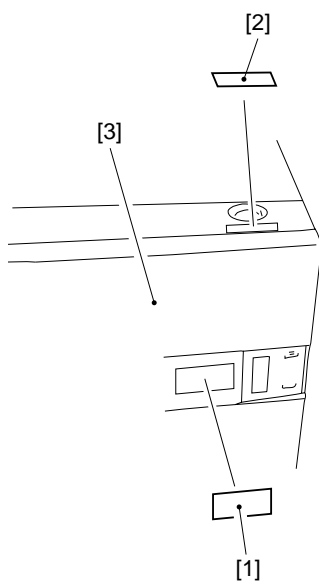


F-1-35



30) Ask the user and stick a paper size label [1] and an

open label [2].



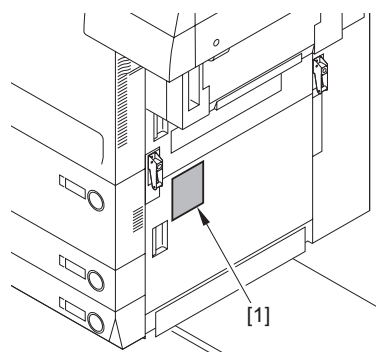
F-1-36

31) Stick the three-hole paper setting label [1] and the finger caution label [2].



[1]
F-1-37

32) Stick the hand caution label [1] to the lower right door of the host machine.



F-1-38

33) Close the storage.

34) Set the paper deck to the host machine.

1.2.2 Changing the Paper Size

0011-3364

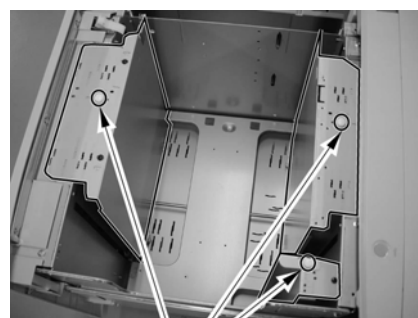
1) Open the storage.

2) Detach the lifter sheet.

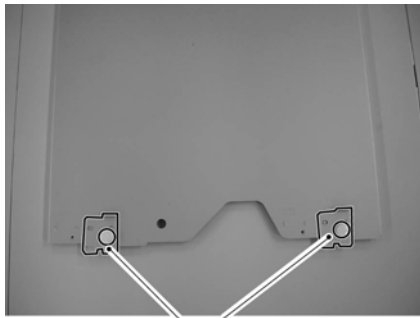
3) Remove the limit plate securing screws [1] and position the right/left limit plates and the paper end limit plate according to the new paper size.



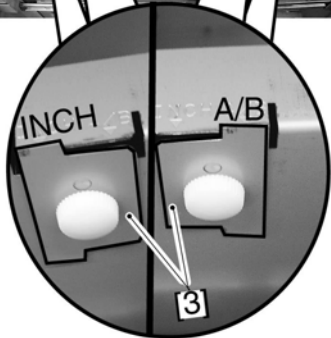
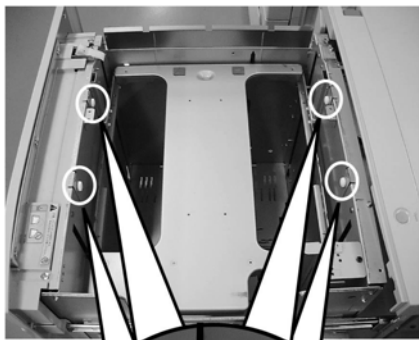
When changing the paper size from the A/B type to the inch type or changing the other way, position also the four switching plates [2] under the front/rear limit plates and four switching plates [3].



[1]
F-1-39



[2]
F-1-40



F-1-41

- 4) Place a lifter sheet for the new paper size on the lifter.



F-1-42

- 5) Set the user mode of the host machine according to the paper size (User Mode Key > Common Settings > Store Size for Side Paper Deck).



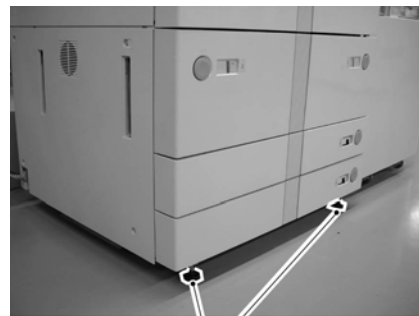
If the service mode settings are not appropriate, the message 'size paper deck size register' may fail to appear; if such is the case, change the following service mode setting to '0' to correct:

COPIER > OPTION > ACC > PD-SIZE

1.2.3 Adjusting the Side Registrations

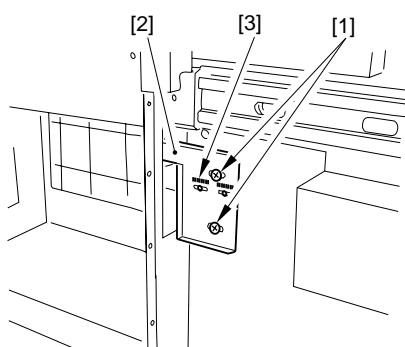
0011-3369

- 1) Check that the two adjusters [1] of the host machine are settled on the floor.



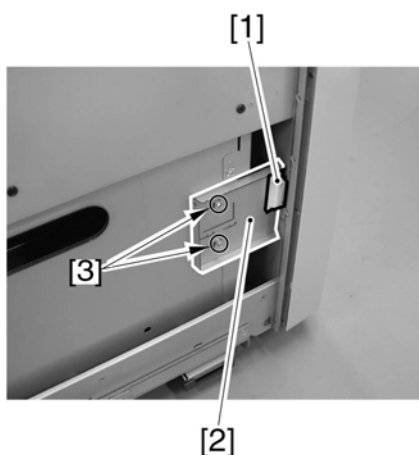
[1]
F-1-43

- 2) Turn on the power switch of the host machine.
3) Feed paper from the Paper Deck and check the copy image. If the right and left registrations do not satisfy the standard, pull out the storage and adjust the position of the latch plate [2] with two screws [1]. Use the scale [3] on the latch plate for reference.



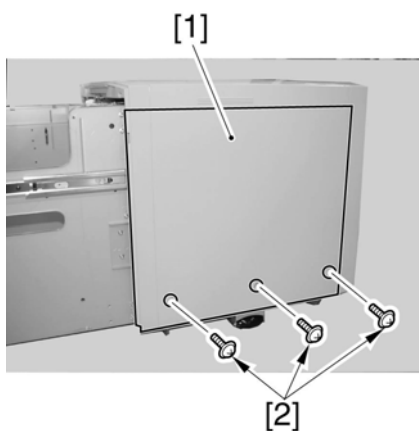
F-1-44

- 4) Adjust the position of the magnet mount [2] with the two screws [3] so that the magnet [1] may contact the deck rear frame when the storage is closed.



F-1-45

- 5) Mount the machine's right cover [1] using the 3 screws removed in step 13).

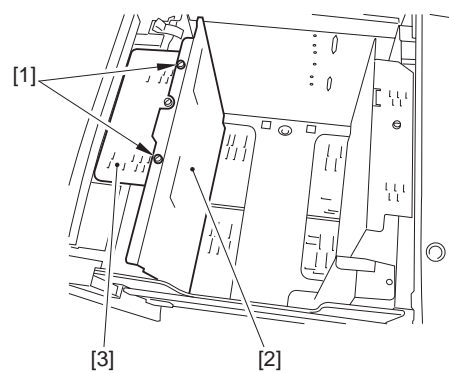


F-1-46

Reference:

If the paper size is not correct or the paper is wavy, correct the fault by adjusting the left/right registration as follows:

Loosen the coin-slot screw [1], and adjust the position of the size guide plate [1] and the side guide adjusting plate [3].

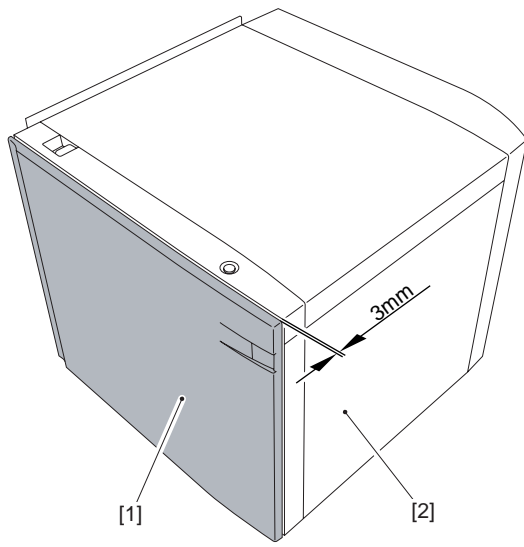


F-1-47

1.2.4 Adjusting the Front Cover

0011-3367

- 1) Attach the front cover [1] so that the gap between the front cover and the upper front cover [2] will be 3 +/-1 mm.



F-1-48

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