

Service Manual

Memory

Color iR 256MB Expansion RAM-A1

Canon

Application

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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."

Contents

Chapter 1 Installation

1.1 Unpacking and Installation.....	1- 1
1.1.1 Unpacking and Chacking the Components.....	1- 1
1.1.2 Installation Procedure	1- 1

Chapter 1 Installation

Contents

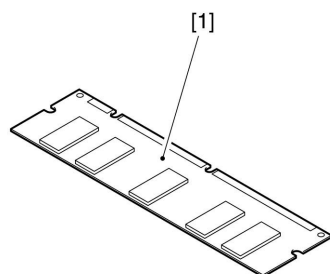
1.1 Unpacking and Installation.....	1-1
1.1.1 Unpacking and Chacking the Components	1-1
1.1.1.1 Unpacking and Checking the Components	1-1
1.1.2 Installation Procedure.....	1-1
1.1.2.1 Turning Off the Host Machine	1-1
1.1.2.2 Installation Procedure (for iR C3200 Series)	1-1
1.1.2.3 Installation Procedure (for iR C3100 Series)	1-2

1.1 Unpacking and Installation

1.1.1 Unpacking and Checking the Components

1.1.1.1 Unpacking and Checking the Components 0005-3509

Follow the instructions herein when installing the Color iR 256MB Expansion RAM to its host machine.



F-1-1

T-1-1

[1] 256MB Expansion RAM 1 pc.

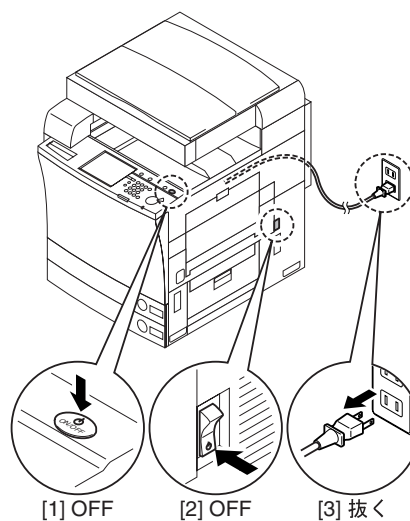
1.1.2 Installation Procedure

1.1.2.1 Turning Off the Host Machine 0005-3736

⚠ Before starting the work, be sure to go through the following on the host machine:

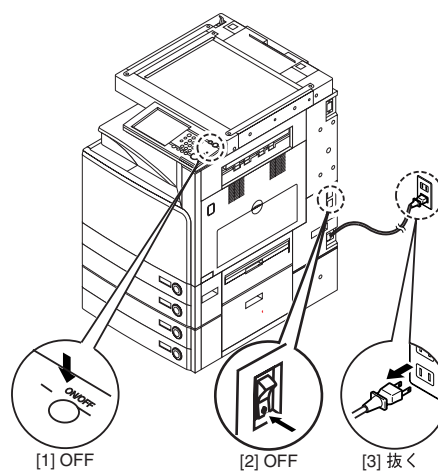
1. Turn off the control panel power switch.
2. Turn off the main power switch.
3. Disconnect the power cable (from the power outlet).

For iR C3200 Series



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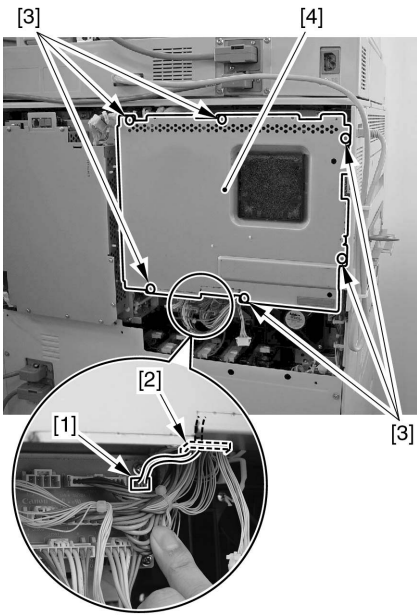
For iR C3100 Series



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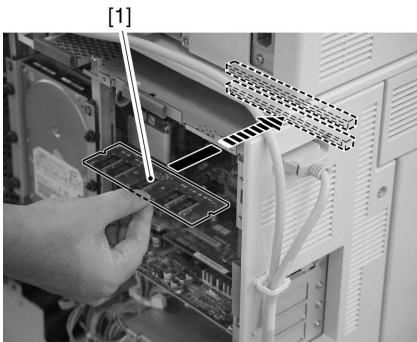
1.1.2.2 Installation Procedure (for iR C3200 Series) 0005-3507

- 1) Remove the machine's rear upper cover.
- 2) Disconnect the connector (J1512) [1] from the power distribution PCB, and free the harness from the wire saddle [2]; then, remove the 6 screws [3], and detach the main controller cover [4].



F-1-4

3)Fit the 256MB expansion RAM [1] in place.



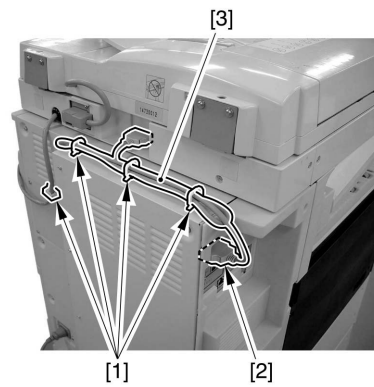
F-1-5

- 4)Mount the controller box cover and the machine's rear cover.
- 5)Connect the host machine's power cable (to the power outlet).
- 6)Turn on the main power switch.

1.1.2.3 Installation Procedure

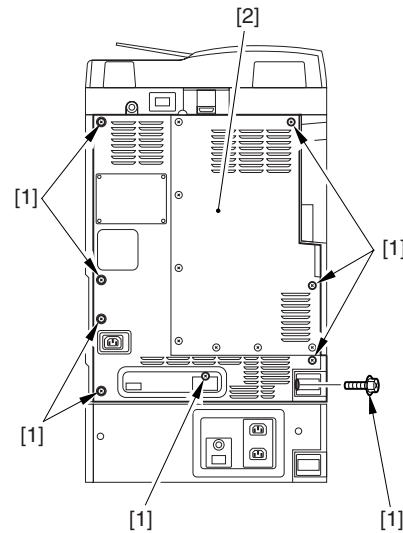
(for iR C3100 Series) 0005-3715

- 1)Remove the 4 wire saddles [1].
- 2)Disconnect the connector [2], and detach the reader communications cable [3].



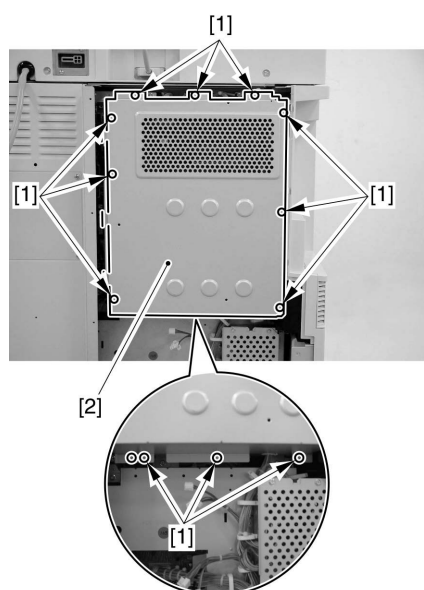
F-1-6

3)Remove the 9 screws [1], and detach the rear cover [2].



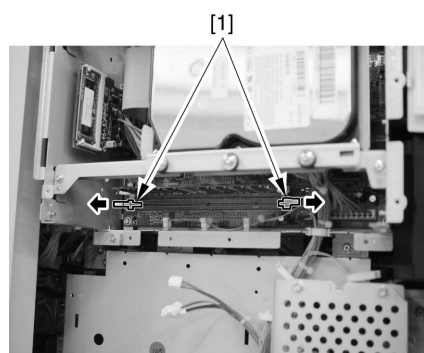
F-1-7

4)Remove the 12 screws [1], and detach the controller box cover [2].



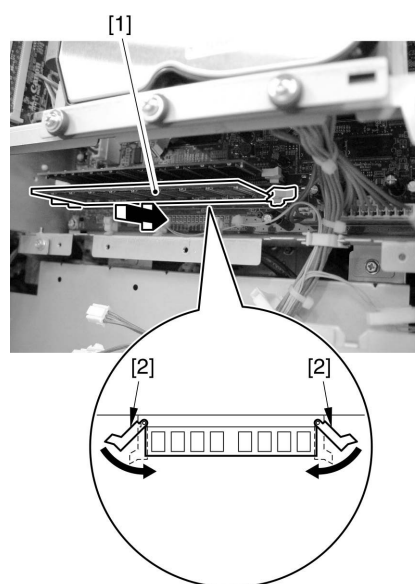
F-1-8

5) Open the 2 locking lever [1].



F-1-9

6) While pushing in the SD RAM [1], close the 2 locking levers [2].



F-1-10

7) Fit the controller box cover.

8) Fit the rear cover.

9) Connect the reader communications cable.

10) Connect the power cable.

11) Turn on the main power supply switch.

12) Turn on the control panel power switch.

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