

Portable Manual

Paper Deck

Side Paper Deck-W1

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."

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Chapter 1 Maintenance and Inspection

1.1 Periodically Replaced Parts

1.1.1 Periodically Replaced Parts

The machine does not have parts that require periodical replacement.



A periodically replaced part is one that must be replaced on a periodical basis to ensure a specific level of machine performance; once it fails, it can affect machine functions considerably regardless of its external appearance. If possible, schedule the replacement to coincide with scheduled servicing.

1.2 Durables

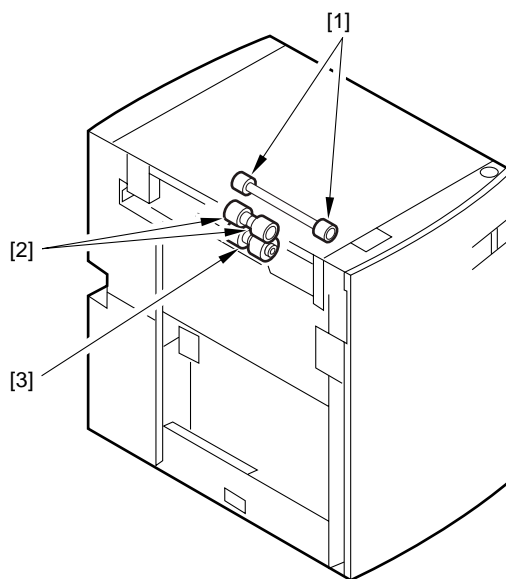
1.2.1 Guide to Replacement of Durables

Some parts of the machine may prove to require replacement once or more over the period of product warranty because of wear or damage. Replace them when they fail; see the following for a guide:

T-1-1

No.	Parts name	Parts No.	Q'ty	Life (pages)	Remarks
1	Side Paper Deck Feed Roller	FF5-7829(front) FF5-7830(rear)	2	500,000	Actual number may be checked in service mode.* PD-PU-RL
2	Side Paper Deck Delivery Roller	FB6-0615	2	500,000	Actual number may be checked in service mode.* PD-FD-RL
3	Side Paper Deck Separation Roller	FB5-6586	1	500,000	Actual number may be checked in service mode.* PD-SP-RL

* COPIER > COUNTER > DRBL-2.



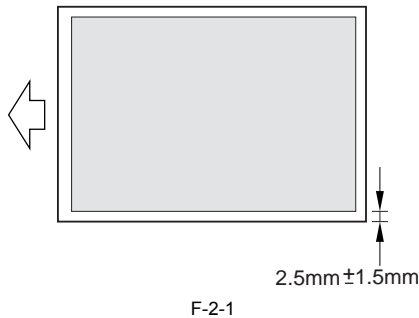
F-1-1

Chapter 2 Standards and Adjustments

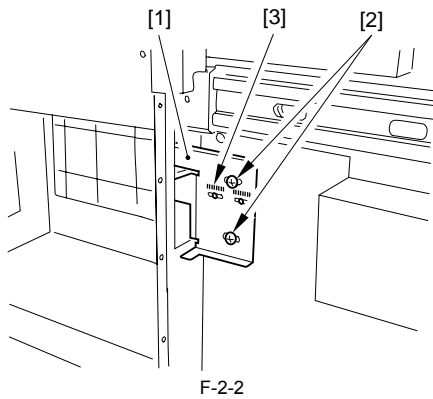
2.1 Basic Adjustment

2.1.1 Adjusting the Image Front Margin

- 1) Place the NA3 Test Chart on the copyboard glass, and make a double-sided copy to check the front non-image width of the 2nd side image.
Standard: 2.5 +/-1.5 mm



- 2) Slide out the compartment, and adjust the position of the latch plate [1] of the deck open solenoid using the 2 screws [2]. (At this time, use the index [3] on the latch plate as a reference.)

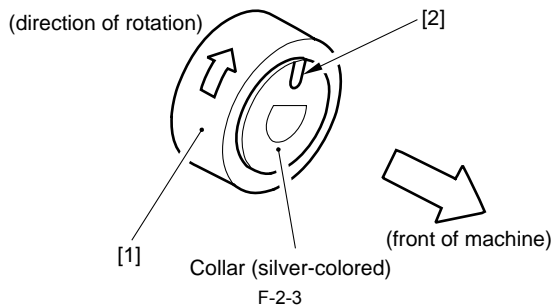


2.1.2 Orientation of the Pickup Roller

The pickup roller may be mounted by reversing the steps used to remove it; however, keep the following in mind:

- The pickup rollers used at the front and the rear of the machine are not interchangeable.
- The collar of the pickup roller used at the front of the machine is silver-colored.

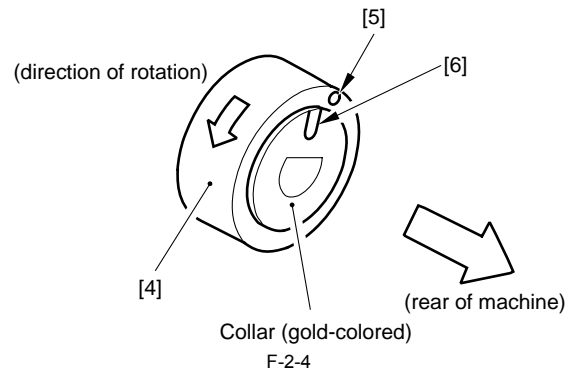
When mounting the pickup roller [1] to the pickup assembly, be sure that the round marking [2] of the color (silver-colored) is toward the front of the machine.



- [1] Pickup roller
[2] Marking (collar)

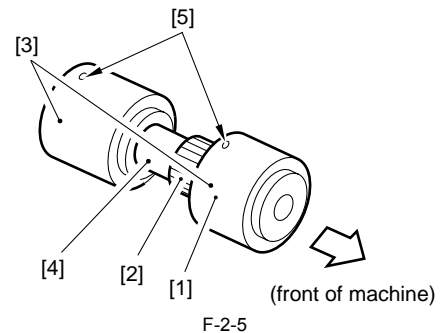
- The collar of the pickup roller used at the rear of the machine is gold-colored.

When mounting the pickup roller [4] to the pickup assembly, be sure that the round marking [5] on the side of the roller and the round marking [6] on the collar (gold-colored) are toward the rear of the machine.



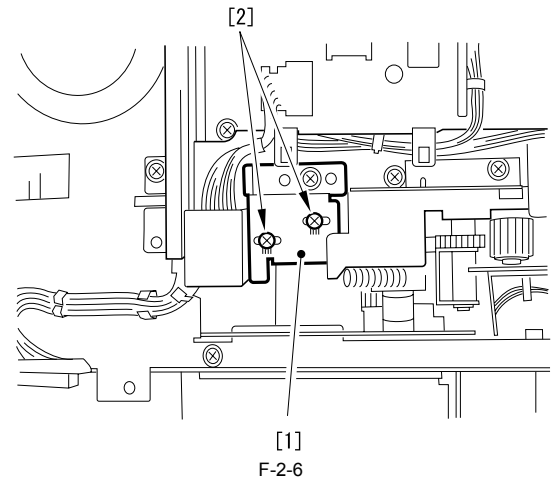
2.1.3 Orientation of the Feeding Roller

When mounting the feeding roller assembly [1] to the side paper deck pickup assembly, be sure that the belt pulley [2] is toward the front of the machine. When mounting the feeding roller [3] to the feeding roller shaft [4], be sure that the round marking [5] is toward the rear of the machine.



2.1.4 Positioning the Deck Pickup Roller Releasing Solenoid (SL101)

Take note of the position of the two fixing screws [2] used for the deck pickup roller releasing solenoid [1] before detaching it from its support plate with reference to the scale graduations on the plate. Or, mark the position on the support plate with a scriber if you are replacing the solenoid on its own (in this case, be sure to mount it back to its initial position).



Chapter 3 Error Code

3.1 Overview

3.1.1 Outline

The machine communicates its state to its host machine as needed for diagnosis by the host machine' CPU. The host machine will indicate a code on its control panel upon detection of an error, the nature of which may be checked in the host machine' service code. The following table shows the applicable codes and faults associated with them together with the timing of detection:

3.1.2 Error Code

E043

T-3-1

Code	Main cause	Condition
E043	The side paper deck main motor (M101) is faulty. The side deck driver PCB is faulty. The DC controller PCB is faulty.	0000 The PLL lock signal (DMPLK) does not arrive for 2 sec or more after the side paper deck main motor drive signal has been generated.

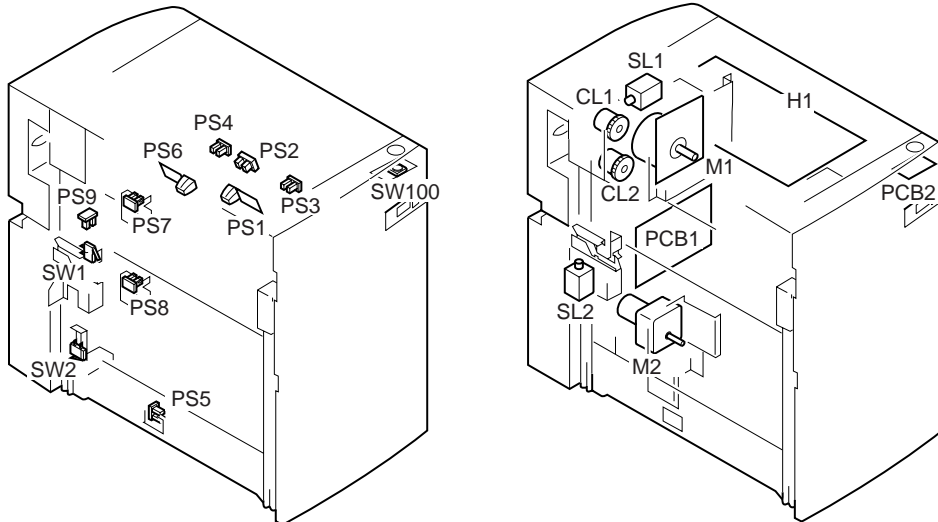
Chapter 4 Outline of Components

4.1 Outline of Electrical Components

4.1.1 Arrangement of Electric Parts

T-4-1

Name	Notation
Deck pickup sensor	PS1
Deck paper absent sensor	PS2
Deck lifter upper limit sensor	PS3
Deck lift position sensor	PS4
Deck set sensor	PS5
Deck feed sensor	PS6
Deck paper supply position sensor	PS7
Deck paper level sensor	PS8
Compartment open sensor	PS9
Compartment open detecting switch	SW1
Deck lifter lower limit detecting switch	SW2
Compartment open switch	SW100
Deck main motor	M1
Deck lifter motor	M2
Deck feeding clutch	CL1
Deck pickup clutch	CL2
Deck pickup roller releasing solenoid	SL1
Compartment open solenoid	SL2
Deck heater (option for 200/230V model)	H1
Deck drive PCB	PCB1
Open switch PCB	PCB2



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Chapter 5 System Construction

5.1 Product Specifications

5.1.1 Specifications

T-5-1

Item	Description
Pickup	Separation roller
Paper accommodation	Side tray
Copy paper type	<ul style="list-style-type: none"> - Plain paper (64 to 80 g/m²): A4, B5, LTR - Recycled paper (64 to 80g/m²): A4, B5, LTR - Eco paper: (80g/m²): A4 - Tracing paper: A4,B5 - Colored paper (recommended type)A4 - Thick paper (90 to 200 g/m²): A4, B5, LTR - 3-hole paper (horizontal feed, restrictions on orientation): LTR
Stack height	385 mm (approx.; about 3,500 sheets of 80 g/m ² paper, about 4,000 sheets of 64 g/m ² paper)
Paper size switch	by switching size guide plate (multiple settings) and size in service mode (OPTION)
Dimensions	326.2 (W) X 583 (D) X 574.5 (H) mm (approx.)
Weight	46 kg (approx.)
Power supply	DC from host machine
Operating environment	Same as copier

The above specifications are subject to change for product improvement.

Feb 7 2006

