

Portable Manual

Finisher, Sorter, DeliveryTray
Additional Finisher Tray-C1

Canon

Application

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Printed in Japan

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 must be replaced on a periodical basis.

1.2 Durables

1.2.1 Durables

This machine does not have items that may be classified as durables.

1.3 Periodical Servicing

1.3.1 Periodical Servicing

The machine does not have items that must be serviced on a periodical basis.

Chapter 2 Error Code

2.1 Service Error Code

2.1.1 Service Error Code

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Code	Detail code	Description	Timing of detection
E542	0001	-The option stack tray motor or the finisher controller PCB is faulty.	-The optional stack tray has been driven, but the paper surface is not detected.
	0002	-The option stack tray home position sensor is faulty.	-The shift does not end within a specific period of time (i.e., to the point of paper retrieval).
	0003	-The option stack tray clock sensor is faulty.	-The operation stack tray has been driven for ascent, but it does not reach home position within 3000 msec.
	0004	-The optional stack tray motor is subjected to an abnormal load.	-The option stack tray has been driven for descent, but it does not move past home position within 3000 msec.
	0005		-The option stack tray has been driven, but the encoder clock signal of the tray is not detected twice or more within 300 msec.
E584	0001	-The shutter drive motor or the finisher controller PCB is faulty.* -The shutter open sensor is faulty. -The shutter clutch is faulty	-When the shutter unit is being opened, the shutter open sensor does not go on within 1000 msec, not ending the operation.
	0002	-The shutter drive motor is subjected to an abnormal load at time of shutter operation.*	-When the shutter unit is being closed, the shutter closed sensor does not go off within 1000 msec, not ending the operation.

*Shutter drive motor, used to operate the shutter by means of a drive clutch.

Chapter 3 Outline of Components

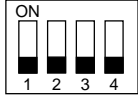
3.1 Variable Resistors (VR), Light-Emitting Diodes (LED), and Check Pins by PCB

3.1.1 Functions of the DIP Switch

The DIP switch (SW1) on the finisher controller PCB possesses the following functions:

- Press it to switch over operation.
- Shift all bits of SW1 at the end of a check.

1. Checking the Operation of the Stack Unit



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Operations

<With the Option Tray at the Position of Paper Surface Detection>

1. The option tray moves down 20 mm (until it turns off the paper surface sensor).
2. The option tray moves up and stops when it turns off the paper surface detection sensor.

<With the Option Tray Not at the Position of Paper Surface Detection>

1. The machine executes a series of operations used to move the option tray to the position of paper surface detection.

<Moving the Stack Tray for Packing>

- Use it to move the tray so that it will be located suitably for packing.

Chapter 4 System Construction

4.1 Basic Construction

4.1.1 Functional Construction

The finisher additional tray is an option, and is designed as an addition (No. 2 tray) to the finisher's standard tray. It is equipped with an option tray paper sensor (PI12) to detect the presence/absence of paper on it.

4.2 Product Specifications

4.2.1 Specifications

T-4-1

Item		Description	Remarks
Stacking method		face-down	
Stack size	feed direction	139.7 to 457 mm	
	cross-feed direction	98.4 to 320 mm	
Number of sheets in a stack	upper tray	small-size:26 mm or less in height large-size:13 mm or less in height	
	lower tray	small-size:26 mm or less in height large-size:13 mm or less in height	80 g/m2 paper

Sep 14 2005

