Service Manual

Cassette
Envelop Attachment-C1

Canon

Nov 13 2003

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 Specifications

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1.1 Names of Parts

1.1.1 Names of Parts

0001-0929

[1] Side guide plate (front)

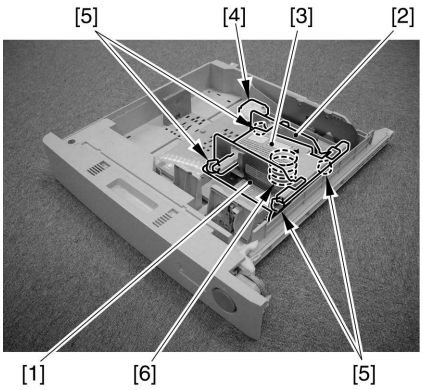
[2] Side guide plate (rear)

[3] Lifter

[4] Lifter gear

[5] Mounting roll (4 pc.)

[6] Spring (2 pc. in all)



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Chapter 2 Functions

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2.1 Basic Operation

2.1.1 Pickup Operation

0001-0980

The Envelope Cassette-C1 (hereafter, "envelope cassette") is an accessory for attachment to the host machine's cassette 1 to enable feeding of envelopes. The pickup operation used for it is in keeping with the operation used for cassette 1.

Unlike the host machine's cassette, which uses a lifter, the envelope cassette uses the force of a spring to keep the stack of paper to a specific level. Except for the use of the spring, all its pickup/feed operations are the same as those of the host machine.

2.2 Detecting Jams

2.2.1 Overview

0001-0858

The envelope cassette does not have jams that are unique to it, and the detection of jams is performed in keeping with the detection of jams by the host machine.

Chapter 3 Parts Replacement Procedure

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3.1 Document Feeding System

3.1.1 Replacing the Spring

3.1.1.1 Outline 0001-1280

Using envelopes of a different size in the envelope cassette possibly calls for the replacement of the spring. The spring is of 2 types, one identified by green and the other by red. One of these 2 types of springs is mounted to the cassette in keeping with the selected cassette configuration. (The other spring is kept by the user, possibly in the host machine.)
As necessary, be sure to replace the spring to suit the size of envelopes used in the cassette.

3.1.1.2 Envelope Sizes and Spring Types 0001-1284

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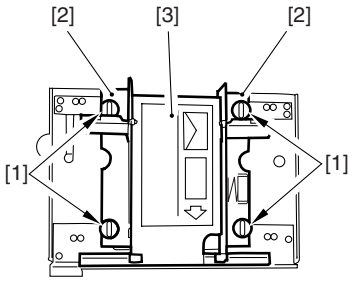
spring identified by green:	COM10, Monarch, DL, YOUKEI 4
sprint identified by red:	C5, B5

3.1.1.3 Replacing the Spring 0001-1285

1) Remove the 2 screws each to detach the mounting rolls [1]; then, detach the front and side guide plates [2] and the lifter [3].



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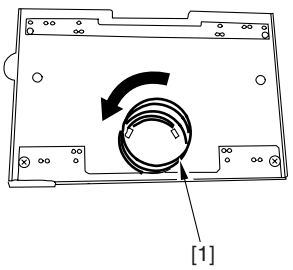
2) Pick the bottom (1st and 2nd turns) of the spring [1], and turn it counterclockwise to detach it from the cassette.



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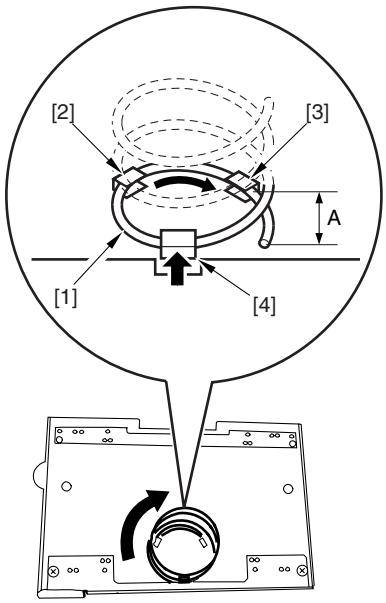
3) Turn the end of the replacement spring [1] clockwise so that it is fitted in sequence, starting with groove 1 [2] and then groove 2 [3].
4) Pick the bottom of the spring (1st and 2nd turns), and fit it into groove 3 [4]; then, keep turning the spring until segment A is about 15 mm from groove 2 [3].

At this time, check to be sure that the spring is securely fitted to the bottom surface.



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Chapter 4 Error Code

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4.1 Overview

4.1.1 Overview

0001-0859

The envelope cassette does not have error codes that are unique to it, and codes are used as are for the host machine.

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