

**1 Bin Tray BN3010
Machine Code: B803**

SERVICE MANUAL

June 23rd, 2006
Subject to change

Safety and Symbols

Replacement Procedure Safety

CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the replacement procedures in this manual.

Symbols Used in this Manual

This manual uses the following symbols.

: See or Refer to

: Screws

: Connector

: Clip ring

: E-ring

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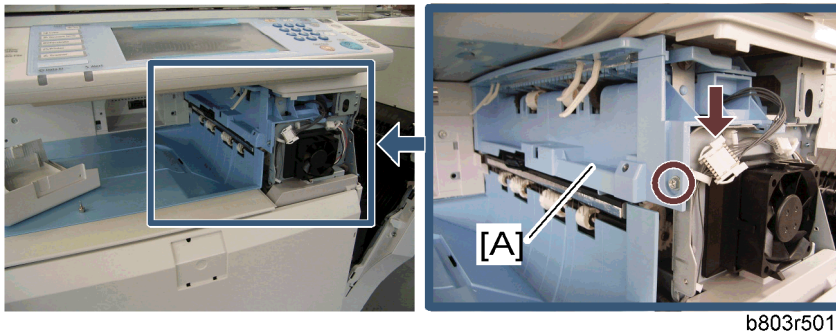
1. Replacement and Adjustment

Electrical Components

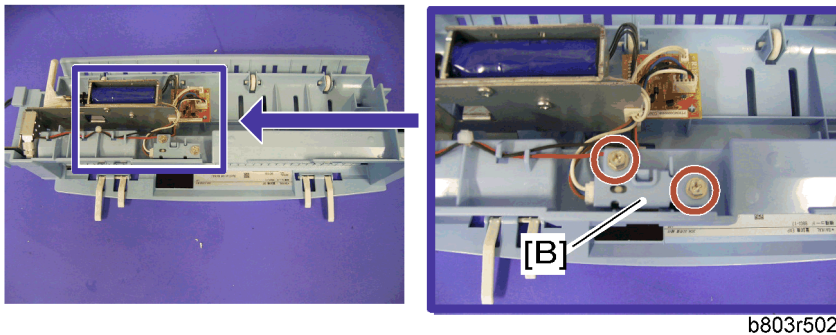
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Paper Sensor

1. 1-bin-tray (⚙️ x 2; M3 x 16)

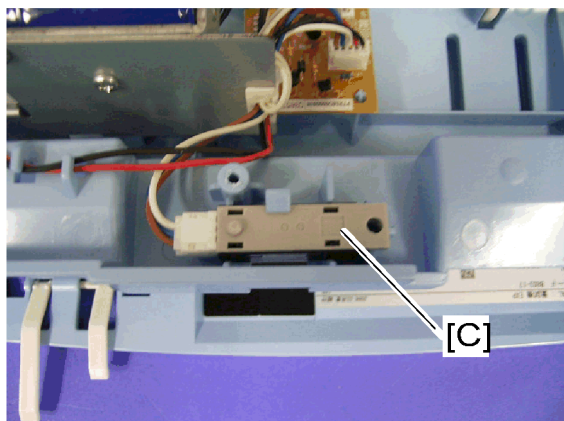


2. 1-bin sorter unit [A]



3. Paper sensor cover [B] (⚙️ x 2)

1

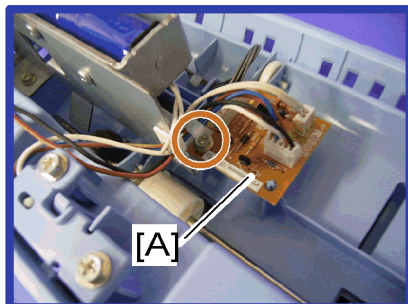
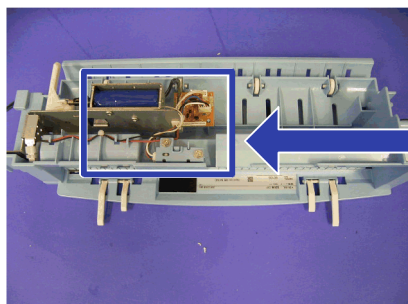


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4. Paper sensor [C] (🔌 x 1, hook)

1-Bin Control Board

1. 1-bin tray
2. 1-bin sorter unit (🔌 "Paper Sensor")



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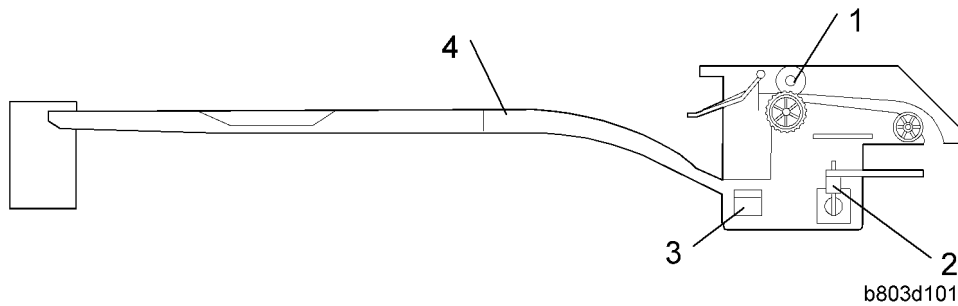
3. 1-bin control board [A] (🔌 x 1, 🔌 x 3)

2. Detailed Descriptions

Component Layout

Mechanical Component Layout

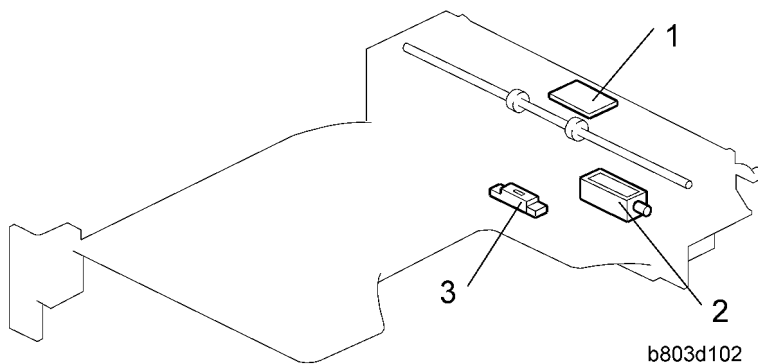
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- 1. Exit Roller
- 2. Junction Gate 2* Solenoid
- 3. Paper Sensor
- 4. Paper Tray

* Junction Gate 2 is located in the main frame.

Electrical Component Layout



- 1. 1-bin Control Board
- 2. Junction Gate 2 Solenoid

3. Paper Sensor

Electrical Component Descriptions

Symbol	Name	Function	Index No.
Sensor			
S1	Paper	Detects whether there is paper on the tray.	3
Solenoid			
SOL1	Junction Gate 2 Solenoid	Controls junction gate 2 in the main frame.	2
PCB			
PCB1	1-bin Control Board	Controls the junction gate 2 solenoid and the LED that indicates when there is paper in the tray.	1

Basic Operation

At the appropriate time after the leading edge of the first sheet of copy paper reaches the copier's registration roller, the junction gate 2 solenoid turns on to switch junction gate 2 in the main frame to direct the paper to the 1-bin paper tray.

The junction gate 2 solenoid turns off at the appropriate time after the paper is directed to the 1-bin paper tray.

The paper sensor turns on when there is paper in the tray, and the paper indicator turns on.

The tray can be opened for easier jam removal by swinging the tray to the left.

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