Multi Bypass Tray BY1050 Machine Code: J315

Field Service Manual

Safety and Symbols

Replacement Procedure Safety

ACAUTION

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

After Installation Servicing

Disposal of Used Items

MARNING

• Ink is flammable. Never attempt to incinerate empty ink cartridges.

CAUTION

- Always dispose of used items in accordance with the local laws and regulations regarding the disposal of such items.
- To protect the environment, never dispose of this product or any kind of waste from consumables at a household waste collection point. Dispose of these items at one of our dealers or at an authorized collection site.

Symbols

This manual uses the following symbols.

Symbol	What it means
4	Bushings
ℴ	C-ring
ijĴ	Connector
©	E-ring
Ą	Harness clamp
10"	Pointer

Symbol	What it means
P	Screw
-	Hook
0	Timing belt

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1. Replacement and Adjustment

Before You Begin

Check the order of removal before you disassemble the bypass tray.

No.	ltem	Preparation
1	Top cover	• None
2	Bottom cover	Top cover
3	Bypass feed motor drive board	Top cover Bottom cover
4	Bypass feed motor	 Top cover Bottom cover Bypass feed motor drive board
5	Bypass feed clutch	Top cover Bottom cover Bypass feed motor and board
6	Pickup roller	 Top cover Bottom cover Bypass feed motor Bypass feed clutch
7	Feed Roller	Top cover Bottom cover Bypass feed motor
8	Friction pad	 Top cover Bottom cover Bypass feed motor Bypass feed clutch Pickup roller
9	Bypass Paper End Sensor	Top cover Bottom plate

Covers

Top Cover



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1. 2 screws (x 2).



2. Release 2 snap points with the small minus screw driver. After that, lift up the top cover and remove it (Snapping points x 2).

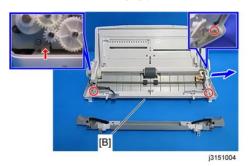
Bottom Cover

Preparation

• The top cover (See above).



1. The tab unit bracket [A] (** x 4)

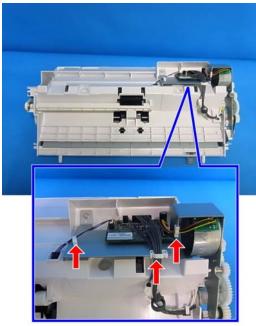


2. Remove 3 screws and release 1 snapping point. After that, lift up the main unit to obliquely right upward and remove it from the bottom cover [B] (*\varphi \times 3, snapping point x 1).

Bypass Feed Motor Drive Board

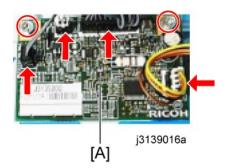
Preparation

- Top Cover (** p.6)
- Bottom Cover (*p.6)



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1. Free the harnesses (🖨 x 3).

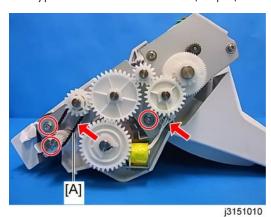


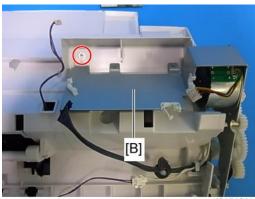
2. Remove the bypass feed motor drive board [A] from the bracket (*x 2, * x 4).

Bypass Feed Motor

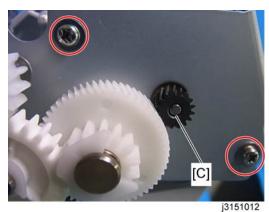
Preparation

• The bypass feed motor drive board (** p.8).





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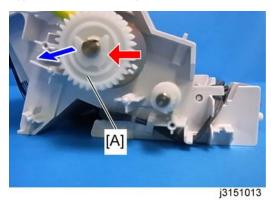
3. The bypass feed motor [C] ($\mbox{\ensuremath{\not{\ensuremath{\mathnormal{E}}}}} \ x \ 2).$

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Bypass Feed Clutch

Preparation

- Top Cover (** p.6)
- Bottom Cover (p.6)
- Bypass Feed Motor Drive Board (** p.8)
- Bypass Feed Motor (IP p.9)



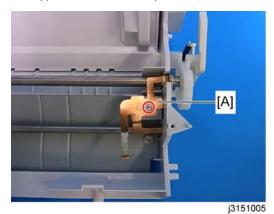
1. The bypass feed clutch [A] (♥ x 1)

Rollers

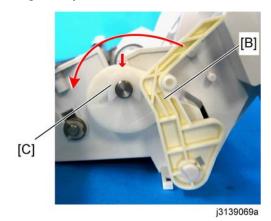
Pickup Roller

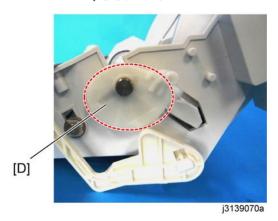
Preparation

• The bypass feed clutch (p.11)



1. The ground plate [A] (Fx1)

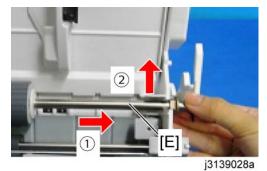




3. The cam [D].



4. The busing [E] (■ x1).



5. On the right, remove the roller shaft [E].



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6. Slide the cam off the shaft.

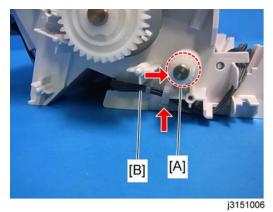


• The pickup roller cannot be removed from the shaft. The pickup roller and shaft comprise a single replacement part.

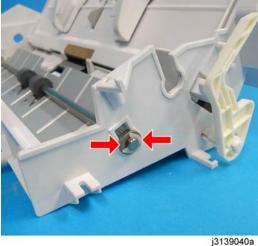
Feed Roller

Preparation

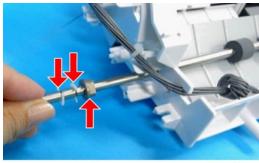
• The bypass feed unit (p.9)



1. On the left, free the drawer connector harness cable [B] (🗟 x 1) and one way clutch [A] (Ѿ x 1).



2. Remove the parts on the right end of shaft ($\overrightarrow{\mathbb{Q}} \times 1, \ \stackrel{\blacktriangleleft}{\blacksquare} \times 1).$



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3. Pull the shaft to left about 10cm, then slide the parts off the shaft (Ѿx2, ■x1).



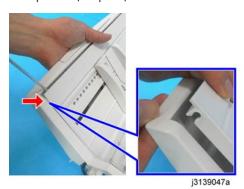
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4. To remove a transport roller, lift the right end first, and then slide the shaft from the left to disconnect it.

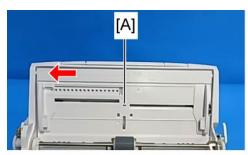
Friction Pad

Preparation

• Pickup roller (p.12)

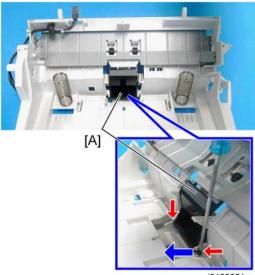


1. Disconnect the upper hinges the left side first and then, the right side.



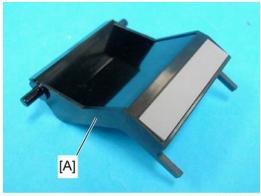
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2. The feed panel [A] (Hinges x 2)



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3. Press out both hinges.



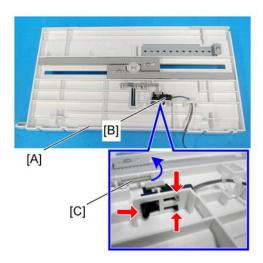
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4. The friction pad [A].

Bypass Paper End Sensor

Preparation

• The feed panel (** p.16)



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- 1. Turn the feed panel [A] over.
- 2. Remove the paper end sensor [B] while the feeler [C] is set to out of the way ($\nabla \times 3$, 2×1 , 1×1).

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Reassembly

Remounting the Bypass Feed Motor

Check that the motor is located correctly for engagement with the gear.



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Remounting the Motor Bracket and the Drawer Harness

To prevent the drawer harness from being jammed in the motor bracket, mount the motor bracket as follows:



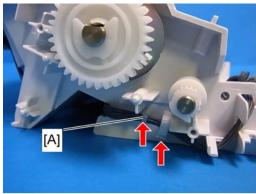
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1. Mount the motor bracket before connecting the drawer harness.



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2. Thread the drawer harness through the hook and reconnect it.



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3. Engage the clamp with the bind positioned to its left [A].



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4. Thread the harness behind the hook.

Remounting the Sensor Harness

To prevent the sensor harness from coming off, position the bind as follows:



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1. Position the bind between the clamp and board.

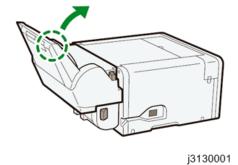


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2. Position the bind to be between the clamp and sensor.

Remounting the Multi Bypass Tray

If the tabs do not return to their original positions, push the tray in while pulling up on its top left part as shown below.



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