

Paper Feed Unit Type TK1160
Machine Code: J312

Field Service Manual

19 December, 2011

Safety and Symbols

Replacement Procedure Safety

CAUTION

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

Symbols

This manual uses the following symbols.

Symbol	What it means
	Bushings
	C-ring
	Connector
	E-ring
	Harness clamp
	Pointer
	Screw
	Standoff
	Hook
	Spring

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Common Procedures

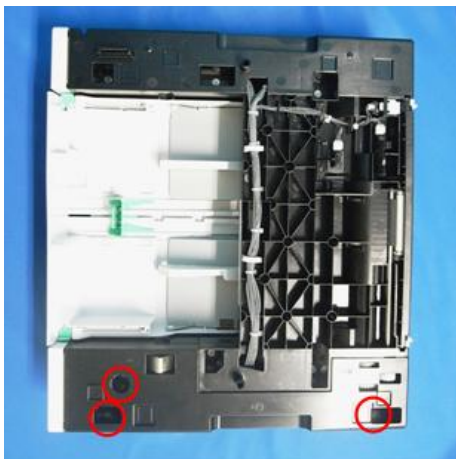
Before You Begin

Before you begin any replacement procedure:

1. Turn the machine off and disconnect it from its power source.
2. Lift the machine off the PFU.

Covers

Right Upper Cover



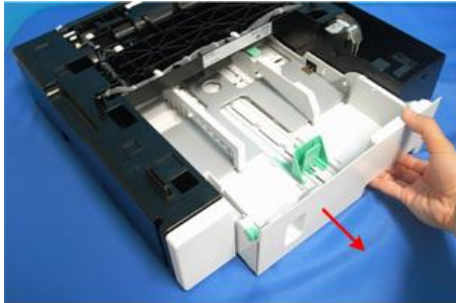
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1. Remove the right upper cover ( x3).

Cassette Tray, Feed Unit

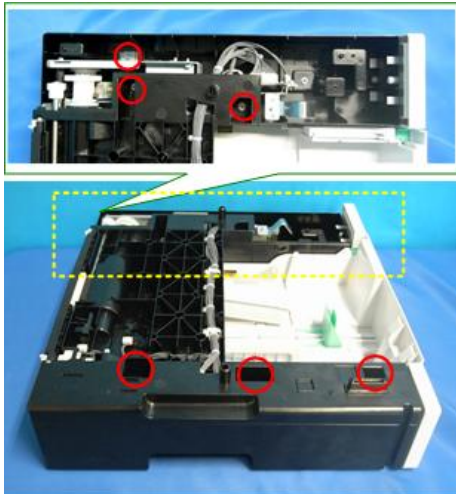
Preparation

- Right upper cover ( See "Covers" above)



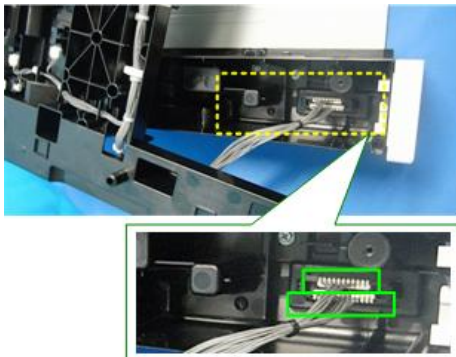
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1. Remove the feed tray.



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2. Unscrew the screws ( x6).



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3. Disconnect the harnesses under the feed unit (E x2).



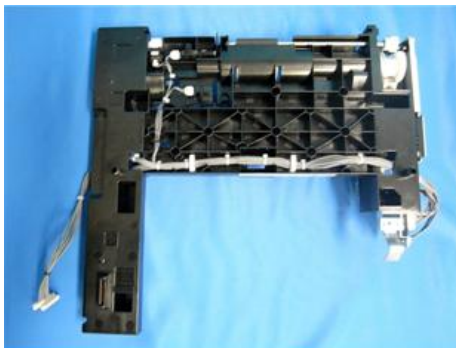
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4. Remove the feed unit.

Sensors

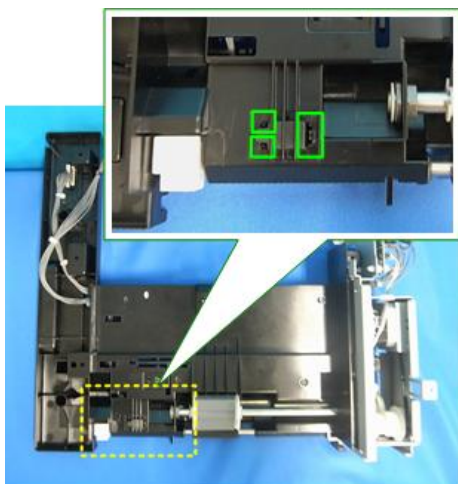
Relay Sensor

Preparation



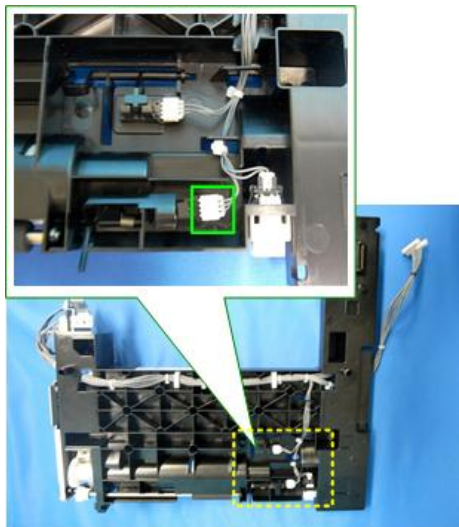
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- Remove the feed unit (p.3).



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1. On the top of the feed unit, use the tip of a small screwdriver to free the relay sensor (▼ x3).

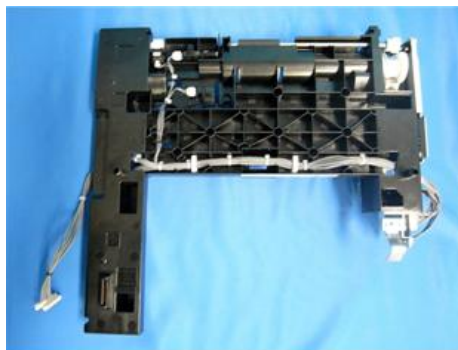


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2. Disconnect and remove the relay sensor (🔌 x1).

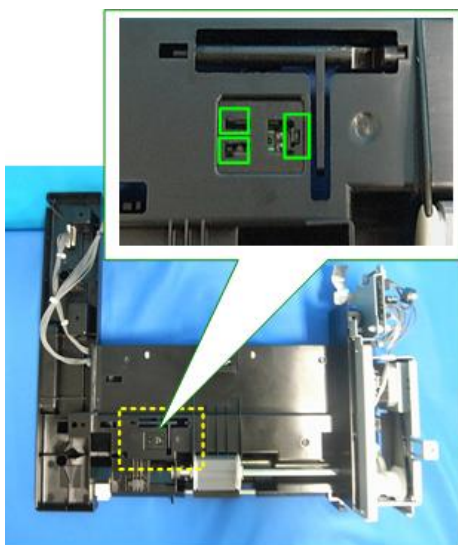
Paper End Sensor

Preparation



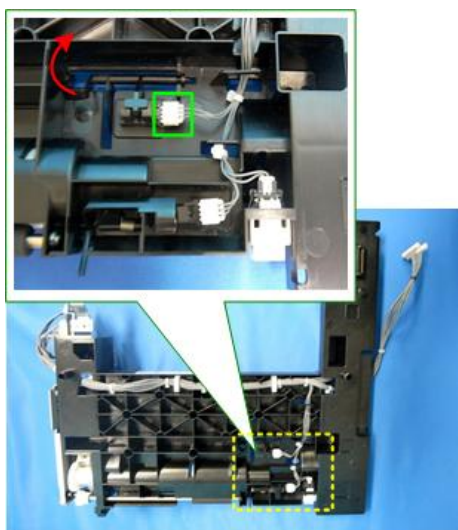
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- Remove the feed unit (🔧 p.3).



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1. Use the tip of a small screwdriver to free the paper-end sensor (🔧 x3).



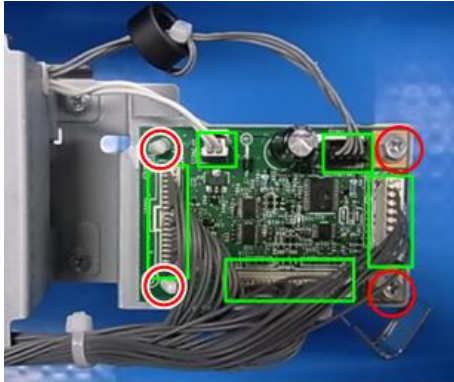
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2. Disconnect and remove the paper-end sensor (🔧 x1).

PFU Control Board

Preparation

- Remove the feed unit (p.3)



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1. Disconnect and remove the board (x5, x2, x2).

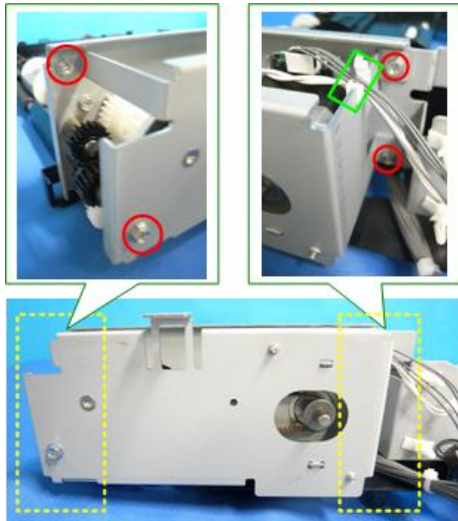


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Paper Feed Motor

Preparation

- Remove the feed unit (p.3)



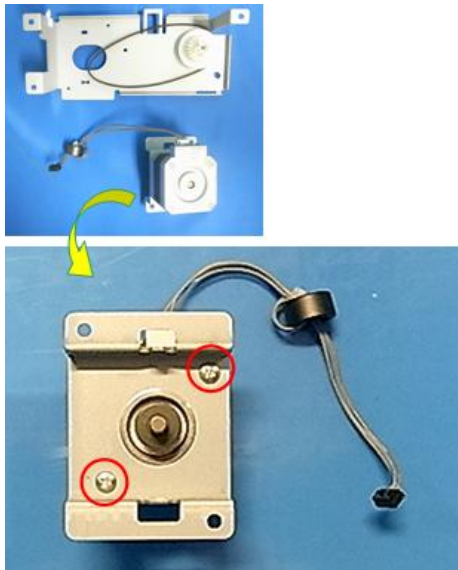
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1. Remove the feed motor bracket ( x4,  x1).



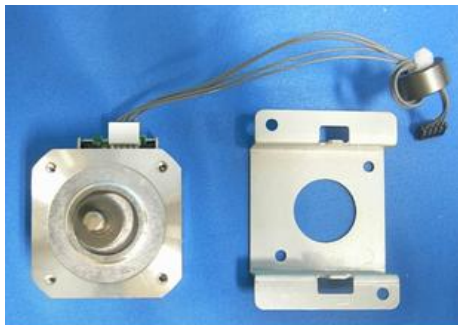
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2. Turn the bracket over and remove the cover ( x2).



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3. Separate the bracket and motor ( x2).



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Paper Feed Clutch, Rollers, Friction Pad

Gears, Paper Feed Clutch

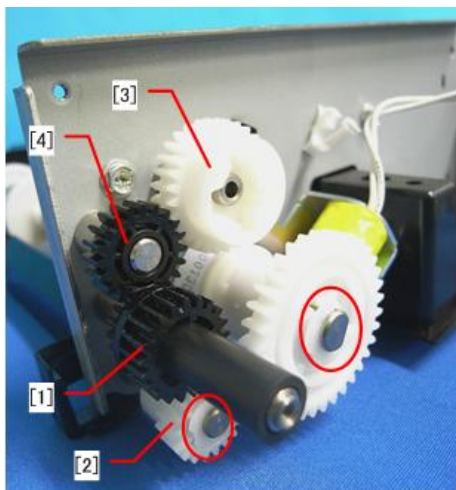
Preparation

- Remove the feed unit (🔧 p.3)
- Disconnect the control board (🔧 p.9)
- Disconnect the feed motor bracket (🔧 p.9)



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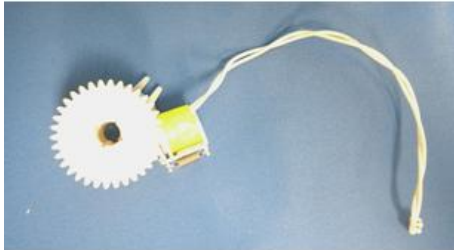
1. Disconnect the clutch harness (🔧 x1).



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2. Remove the gears in the order shown above (🔧 x1 at [2]).

3. Remove the clutch (x1).

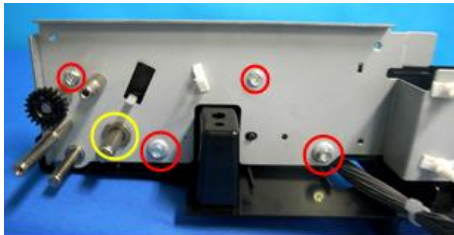


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Paper Feed Roller

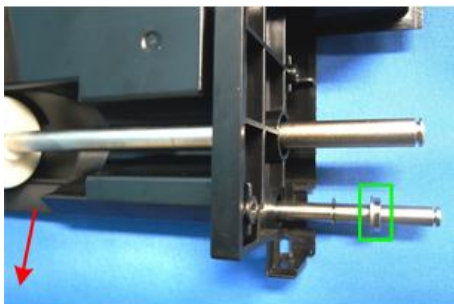
Preparation

- Remove the feed unit ( p.3)
- Disconnect the PFU control board ( p.9)



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1. Disconnect the plate on the side of the feed unit ( x4).
2. Disconnect the end of the feed roller shaft ( x1).



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3. Pull out the transport roller from the end with the bushing attached and remove the ring.

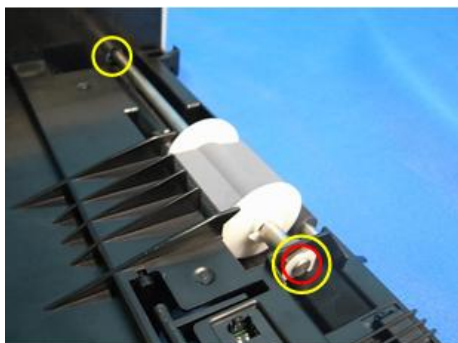


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Pickup Roller

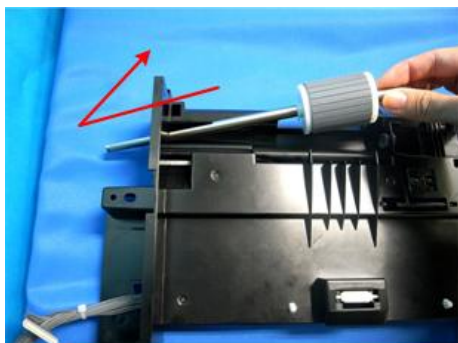
Preparation

- Remove the feed clutch (p.12).



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1. Disconnect the other end of the feed roller shaft (x1, x2).



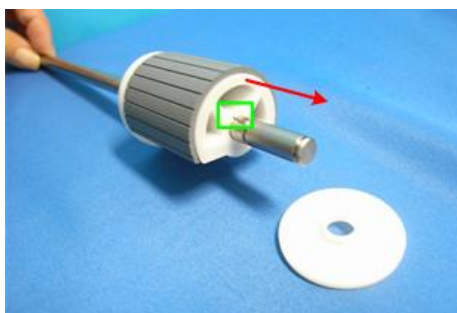
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2. Remove the feed roller shaft.



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3. Remove the press roller (⑧ x1).



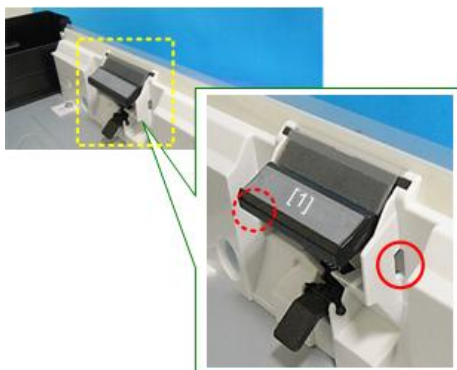
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4. Release the feed roller and remove it (▼ x1).

Friction Pad

Preparation

- Remove the feed unit (▶ p.3)



j3129102

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1. Remove the friction pad (▼ x2).
 2. Clean the friction pad [1].