Paper Feed Unit Type TK1190 Machine Code: J314

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.

Symbols

This manual uses the following symbols.

Symbol	What it means
4	Bushings
Ѿ	C-ring
EQII	Connector
©	E-ring
	Harness clamp
10"	Pointer
P	Screw
₽	Standoff
-	Hook
SAM C	Spring

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1. Replacement and Adjustment

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

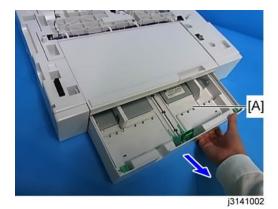


1. The right upper cover (Fx 3).

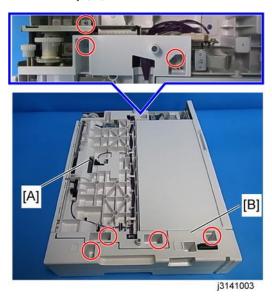
Cassette Tray, Feed Unit, Left Cover

Preparation

• Right upper cover (See "Covers" above)



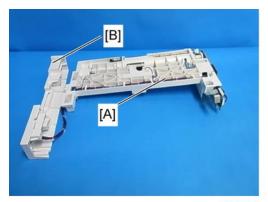
1. The feed tray [A].



2. The feed unit [A] and the left cover [B] ($\mbox{\ensuremath{\not{P}}} \times 7).$



• The feed unit and the left cover are connected by the harness. Therefore, pay extra attention to remove them to avoid damaging to the harness.



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A: Feed unit

B: Left cover

Sensors

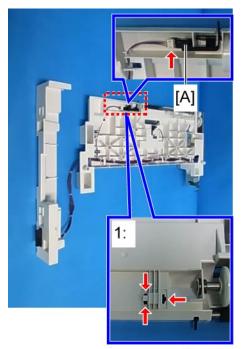
Relay Sensor

Preparation



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• The feed unit and the left cover (P p.3).



j3141005

1: Bottom side

- 1. Disconnect the relay sensor [A] connector ([x 1).
- 2. Turn over the feed unit and remove the relay sensor [A] (x 3).

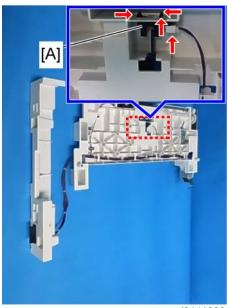
Paper End Sensor

Preparation



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• The feed unit and the left cover (p.3).



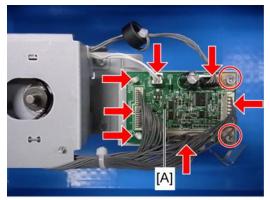
j3141006

1. Use the tip of a small screwdriver to free the paper-end sensor [A] (☐ x 1, ▼ x 3).

PFU Control Board

Preparation

• The feed unit and the left cover (** p.3)



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1. The PFU control board (\square \times 5, \mathscr{F} \times 2, $^{\$}$ \times 2).





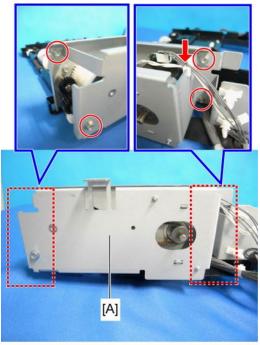
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Paper Feed Motor

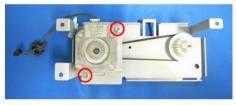
Preparation

• The feed unit and the left cover (P p.3)



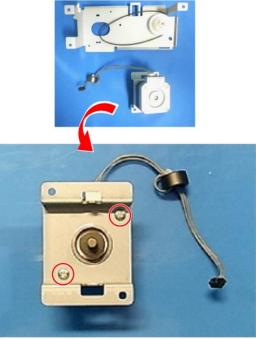
j3129089a

1. The feed motor bracket [A] ($\rat{F} \times 4$, $\rat{\Box} \times 1$)



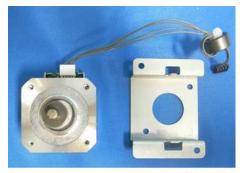
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2. Turn the bracket over and remove the cover (*x 2).



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3. Separate the bracket and motor (F x 2).



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Paper Feed Clutch, Rollers, Friction Pad

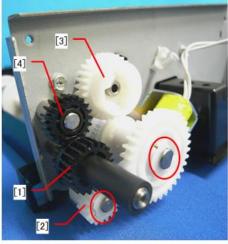
Gears, Paper Feed Clutch

Preparation

- The feed unit and the left cover(Cassette Tray, Feed Unit, Left Cover)
- The PFU control board (** p.8)
- The feed motor bracket (** p.8 "PFU Control Board")



1. Disconnect the clutch harness [A] (x 1).



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2. Remove the gears in the order shown above (${\bf \overline{O}}$ x 1 at [2]).

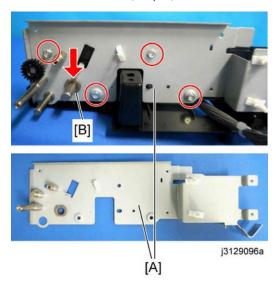


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Paper Feed Roller

Preparation

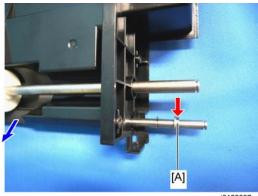
- The feed unit and the left cover (** p.3)
- The PFU control board (** p.8)



1. The plate on the side of the feed unit [A] ($\mbox{\ensuremath{\not\sim}}\ \times$ 4).

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2. The end of the feed roller shaft [B] (x 1).



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

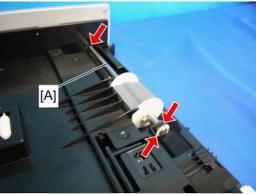


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Pickup Roller

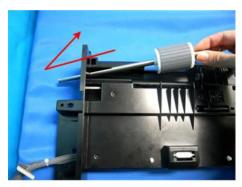
Preparation

- The paper feed clutch (p.11 "Gears, Paper Feed Clutch").
- The Friction pad (** p.15).



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1. The other end of the pickup roller shaft [A] (♡ x 1, ■ x 2)



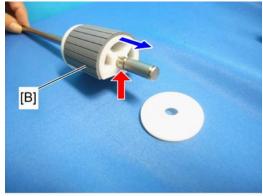
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2. The pickup roller shaft.



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3. Remove the press roller (🖾 x 1).



J3129103a

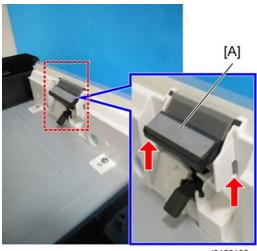
4. Release the pickup roller [B] and remove it ($\nabla \times 1$).

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Friction Pad

Preparation

• The feed unit and the left cover (** p.3)



- j3129102a
- The friction pad (▼ x 2).
- 2. Clean the friction pad [A].