

Paper Feed Unit PB1080/PB1080TE

Machine Code:D573

Field Service Manual

Ver 1.0

Latest Release: Nov, 2016

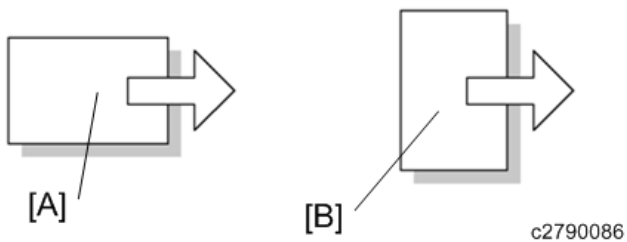
Initial Release: Nov, 2016

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Symbols and Abbreviations

This manual uses several symbols and abbreviations. The meaning of those symbols and abbreviations are as follows:

Symbol	What it means
	Clip ring
	Screw
	Connector
	Clamp
	Spring
SEF	Short Edge Feed
LEF	Long Edge Feed
K	Black
C	Cyan
M	Magenta
Y	Yellow
B/W, BW	Black and White
FC	Full color



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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1. Replacement and Adjustment

Beforehand

CAUTION

- Before installing options, please do the following:
If there is a fax unit in the machine, print out all messages stored in the memory, the lists of user-programmed items, and the system parameter list.
If there are printer jobs in the machine, print out all jobs in the printer buffer.
Turn off the main switch and disconnect the power cord, the telephone line, and the network cable.

CAUTION

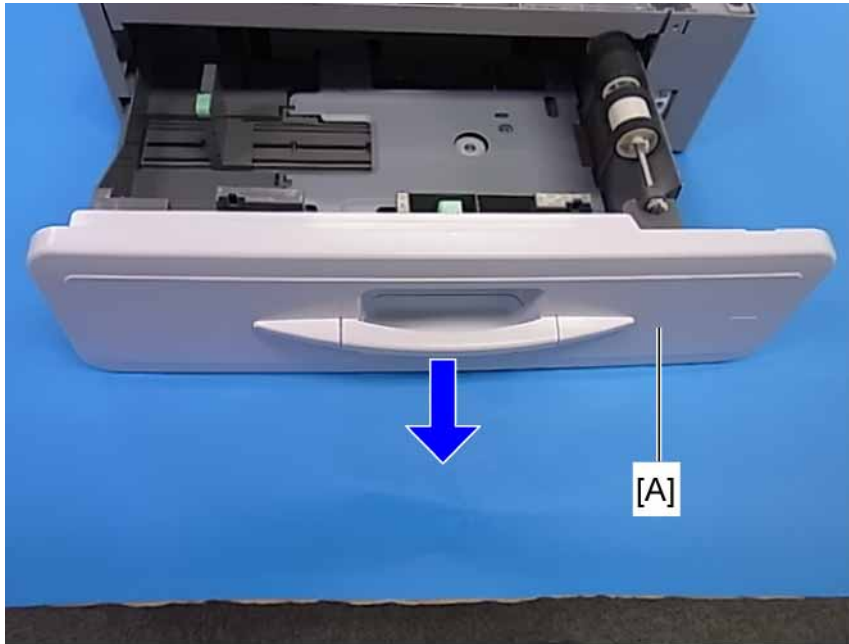
- **Do not lift the machine together with one or more paper feed unit(s):**
If there is already a machine with one or more optional paper feed unit(s), be sure to disconnect the machine and paper feed unit(s), and lift them up separately when moving/transporting. Otherwise, the handle of the paper feed unit breaks which can cause an injury, because the handle cannot hold the mainframe's weight.

Important

- Always touch a grounded surface to discharge static electricity from your hands before you handle SD cards, printed circuit boards, or memory boards.

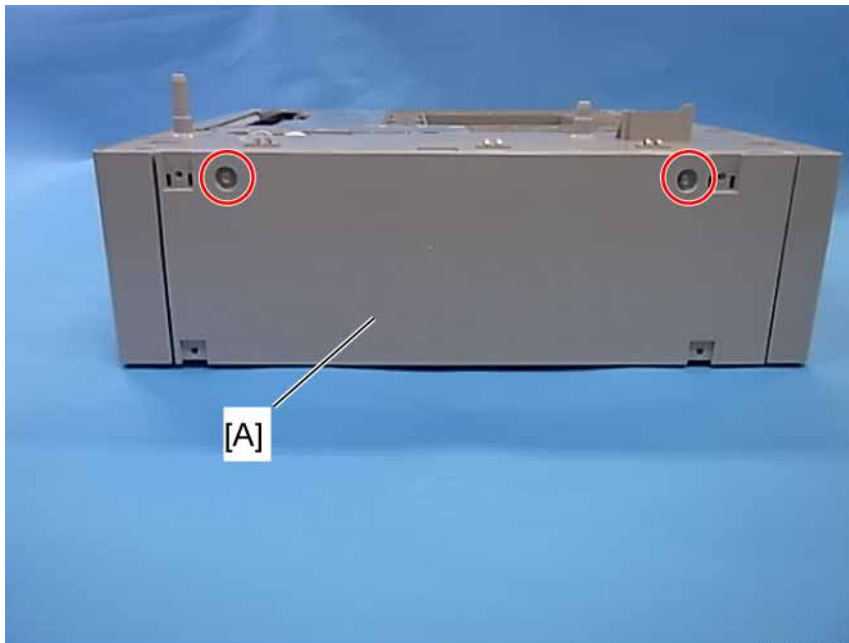
Rear Cover

1. Pull out the paper tray [A].



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2. Remove the rear cover [A]. (⌀ × 2)

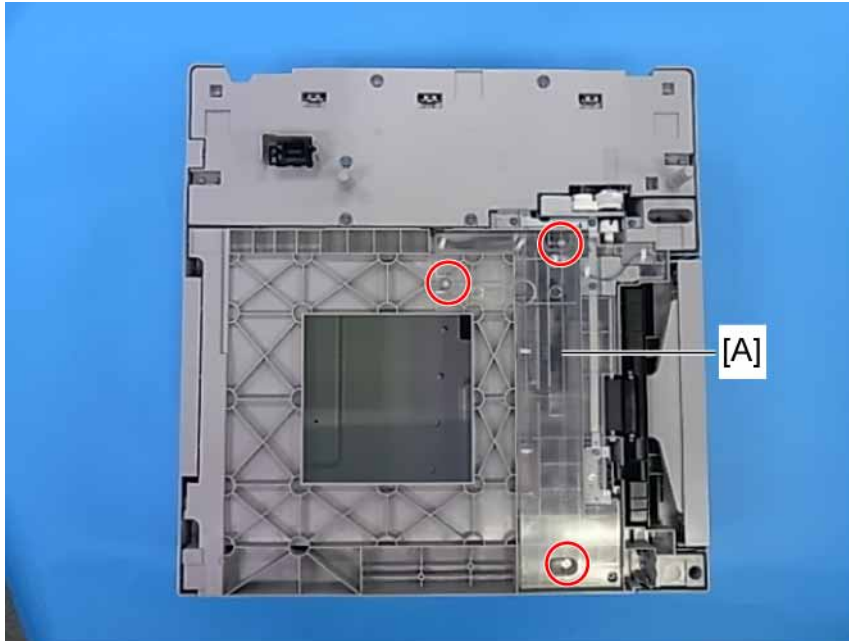


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1.Replacement and Adjustment

Upper Cover

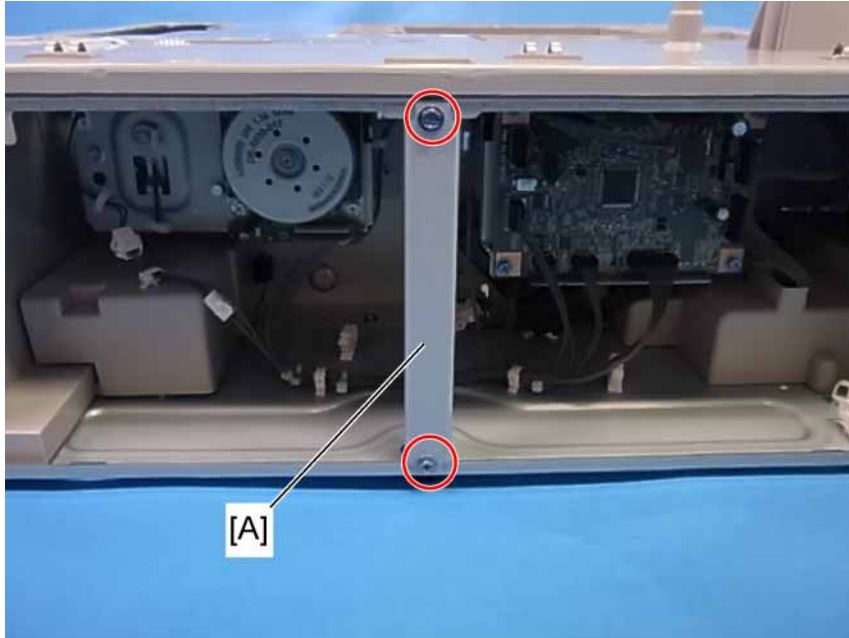
1. Remove the upper cover [A]. (⌀ × 3).



d5730007

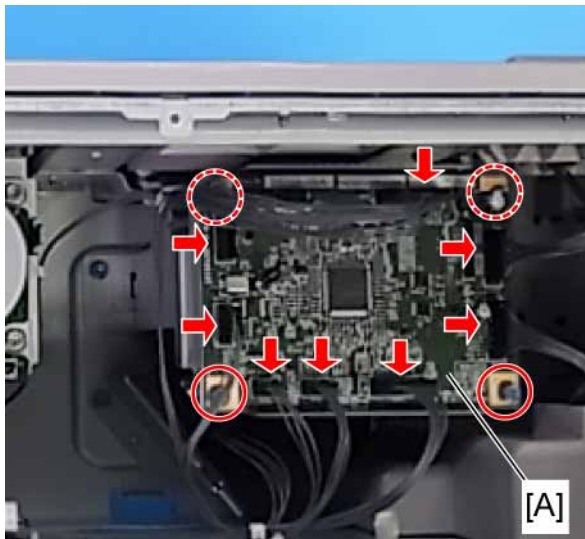
Controller Board

1. Pull out the paper tray.
2. Remove the rear cover ([Rear Cover](#))
3. Remove the rear stay [A]. (🔩 × 2)



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4. Remove the controller board [A]. (All 📏 s, 🔩 × 4)



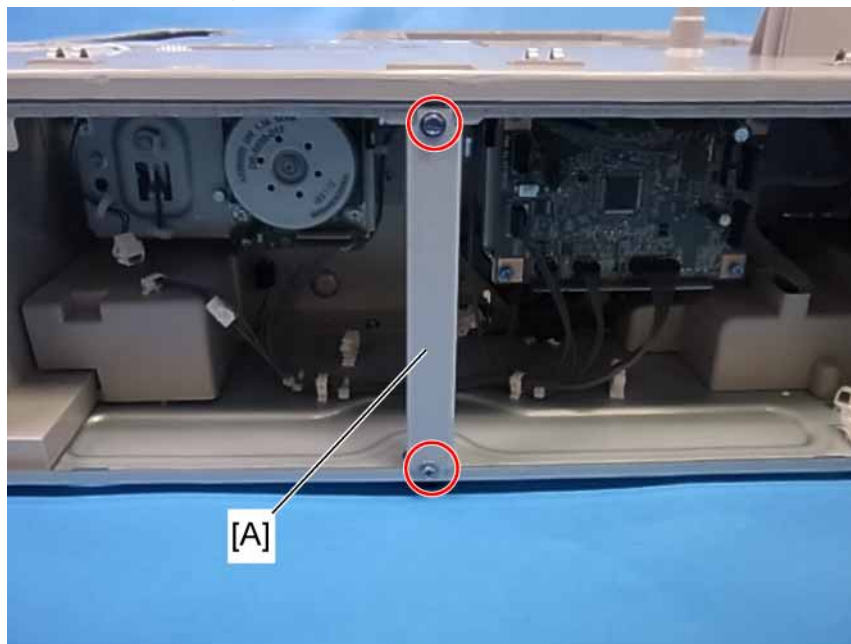
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Controller Board with the Bracket

1. Pull out the paper tray.
2. Remove the rear cover. ([Rear Cover](#))

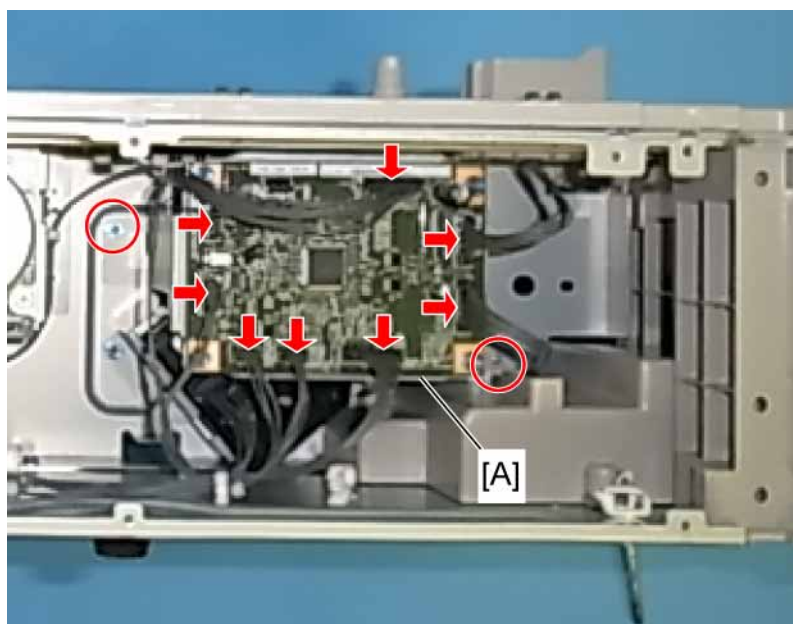
1.Replacement and Adjustment

- 3.** Remove the rear stay [A]. (🔩 × 2)



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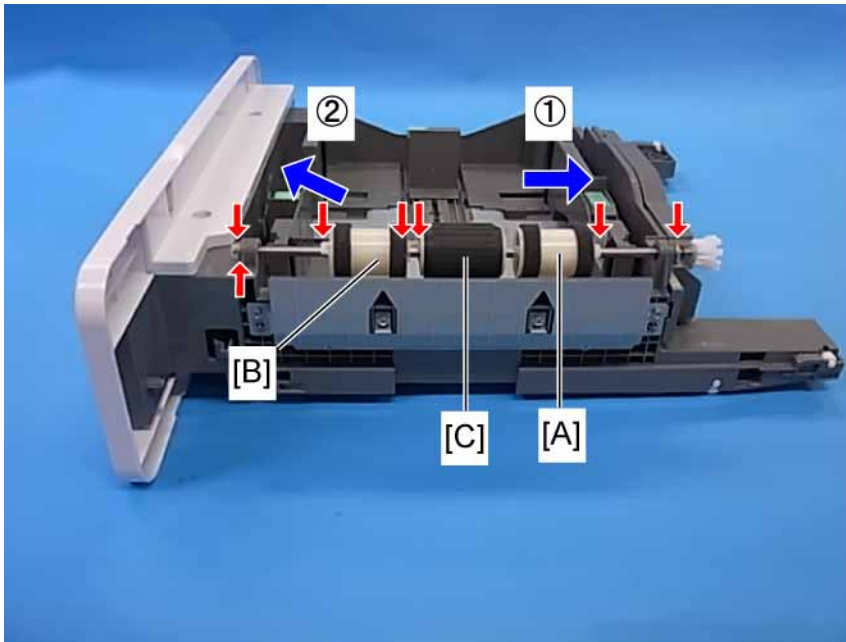
- 4.** Remove the controller board with the bracket [A]. (All 📏 s, 🔩 × 2)



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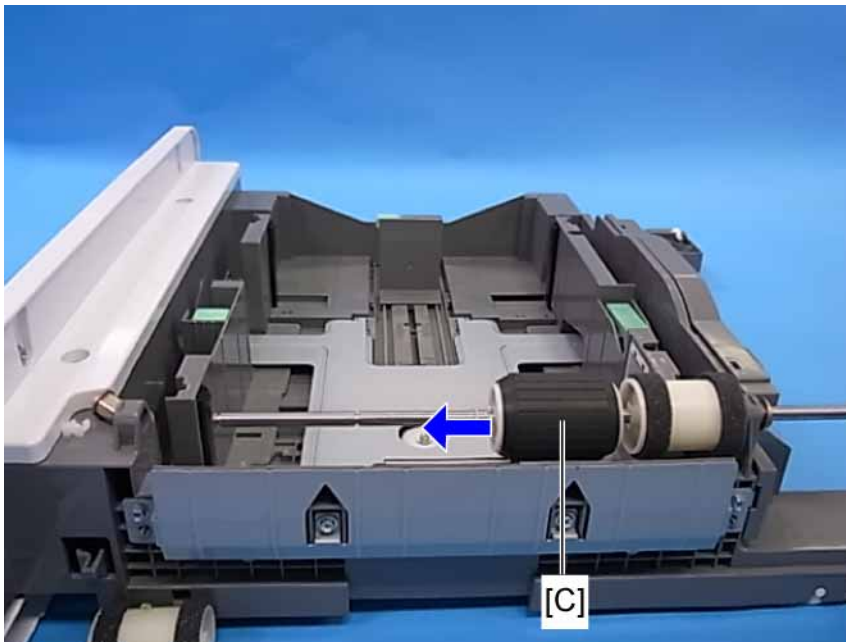
Paper Feed Roller

1. Pull out the paper tray.
2. Do the following steps:
 - Remove all clips on the shaft and move the roller [A] to the right side [1]. (⌀× 6, bearing × 1)
 - Move the shaft to the right, and pull out the shaft from the bushing at the left side.
 - Lift up the shaft [2] and remove the shaft from the bushing at the right side.
 - Remove the roller [B].



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- Remove the paper feed roller [C]

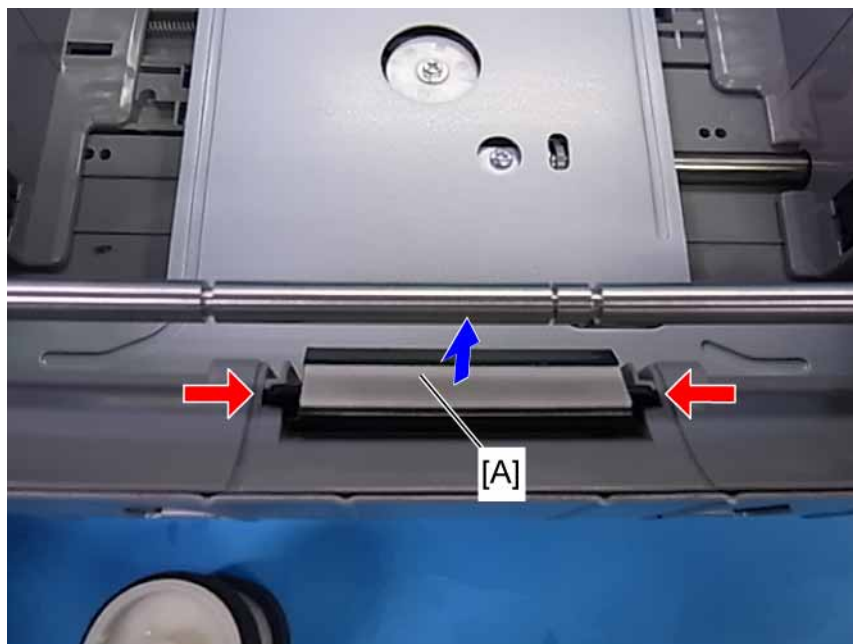


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1.Replacement and Adjustment

Friction Pad

1. Remove the paper feed roller. ([Paper Feed Roller](#))
2. Remove the friction pad [A]. (Hooks $\times 2$,  $\times 1$)

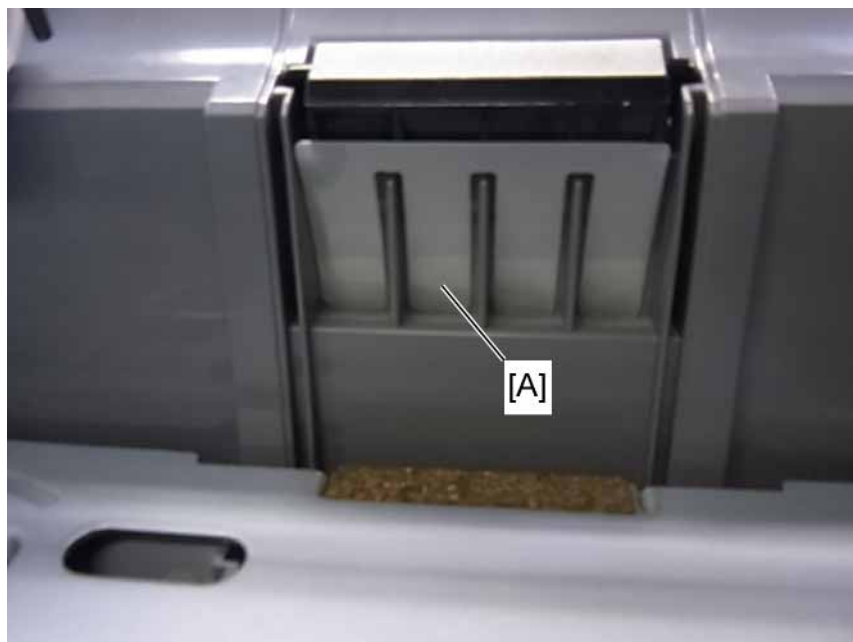


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When reinstalling the friction pad:

Note

- To prevent the friction pad from catching on the sheet [A], place the friction pad while bending the sheet slightly outward.

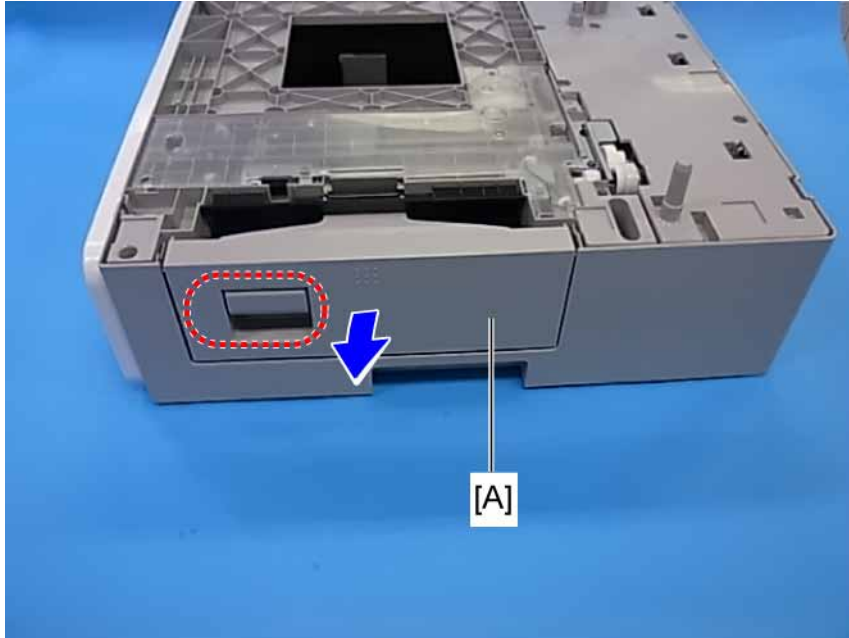


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Vertical Transport Rollers

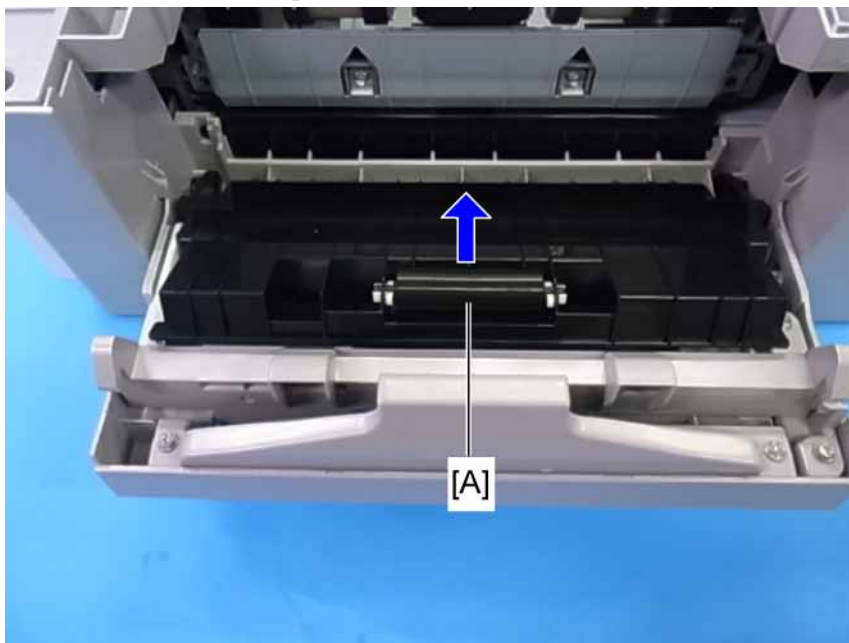
Vertical Transport Roller (Driven side)

1. Open the vertical transport cover [A].



d5730005

2. Remove the vertical transport roller [A]. (hooks × 2)



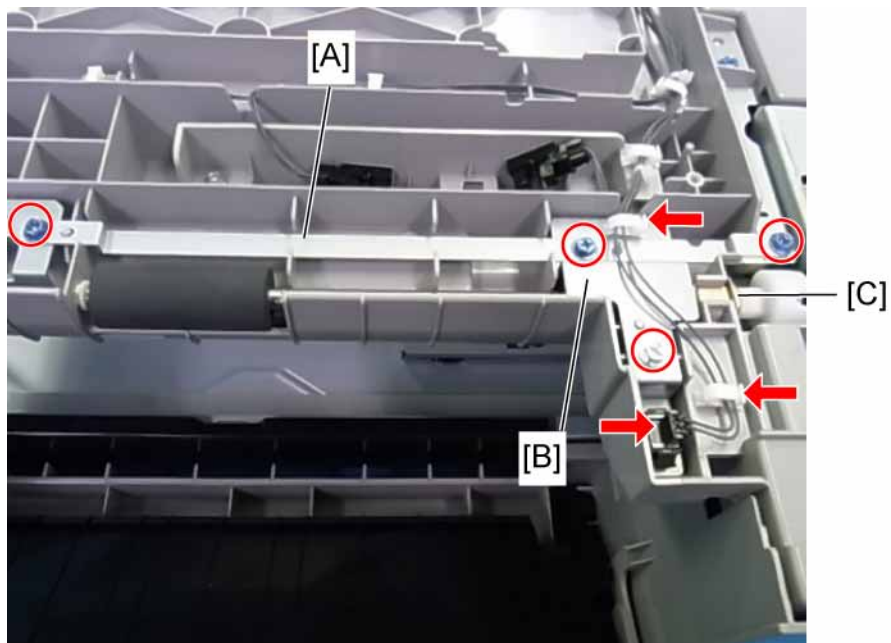
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Vertical Transport Roller (Driving Side)

1. Remove the upper cover. ([Upper Cover](#))
2. Open the vertical transport cover.
3. Remove the paper feed gear assembly. ([Vertical Transport Clutch and Relay Clutch](#))

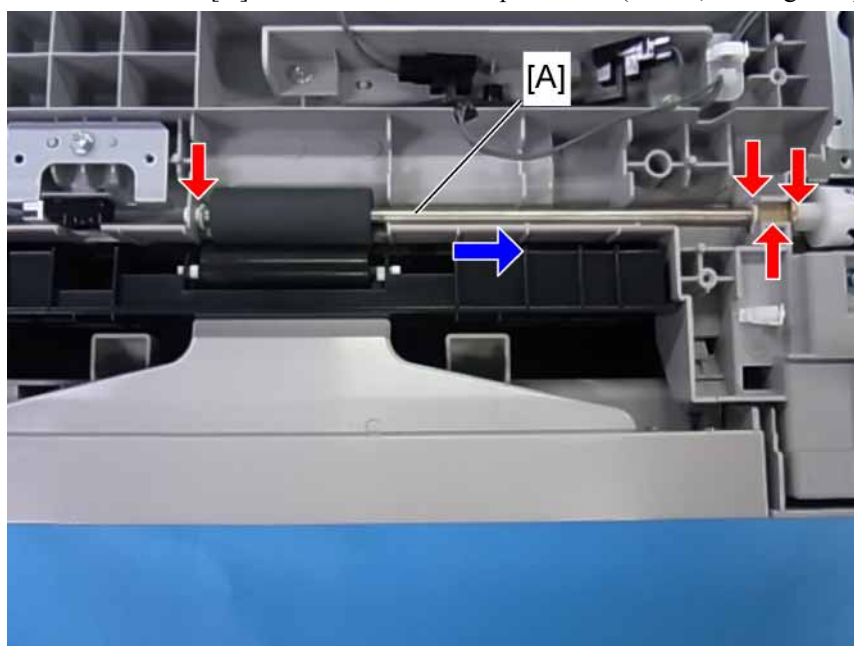
1.Replacement and Adjustment

- 4.** Remove the grounding plate [A] and sensor bracket [B], and then loosen the discharge plate [C]. (⌀ × 4, ⌀ × 2, ⌀ × 1)



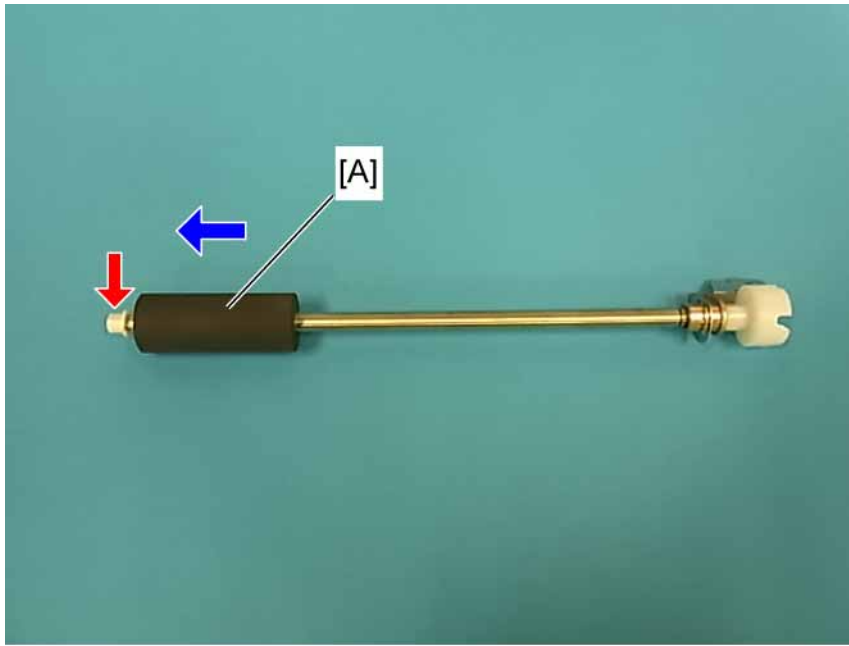
d5730008

- 5.** Remove the shaft [A] with the vertical transport roller (⌀ × 2, bearings × 2).



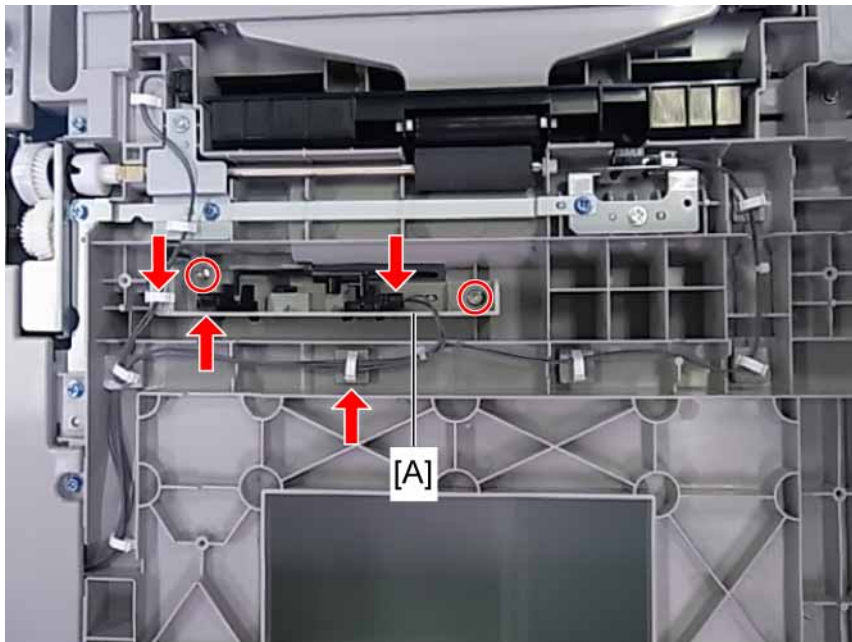
d5730009

- 6.** Remove the vertical transport roller (Driving side) [A]. (Bearing × 1)



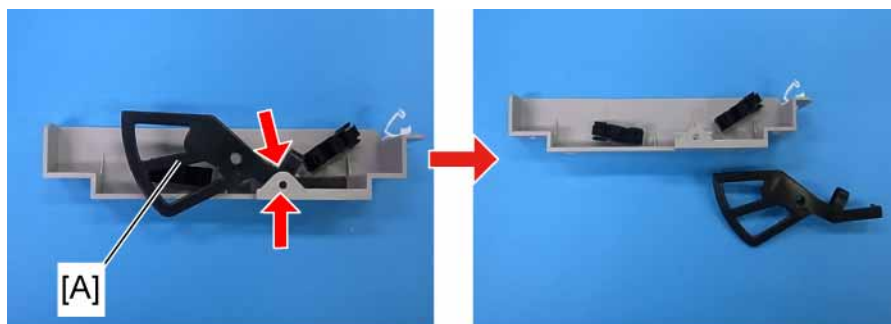
Paper End Sensor/ Remaining Paper Sensor

1. Pull out the paper tray.
2. Remove the upper cover. ([Upper Cover](#))
3. Remove the paper end sensor assembly [A]. (⚙ × 2, 🔧 × 2, 🔩 × 2)



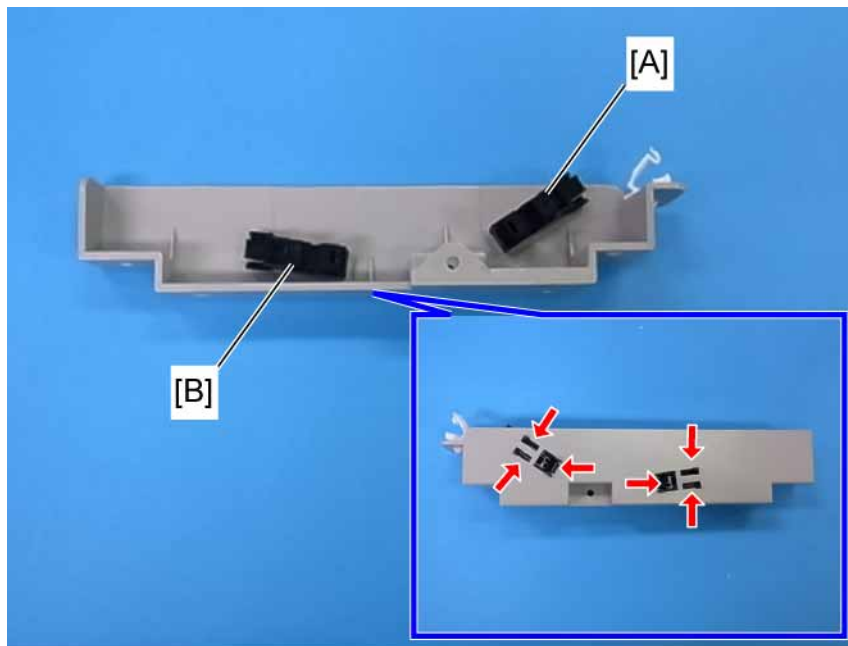
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4. Remove the feeler [A]. (Snap points × 2)



d5730025

- 5.** Remove the paper end sensor [A] and remaining paper sensor [B]. (hooks $\times$ 3 each)

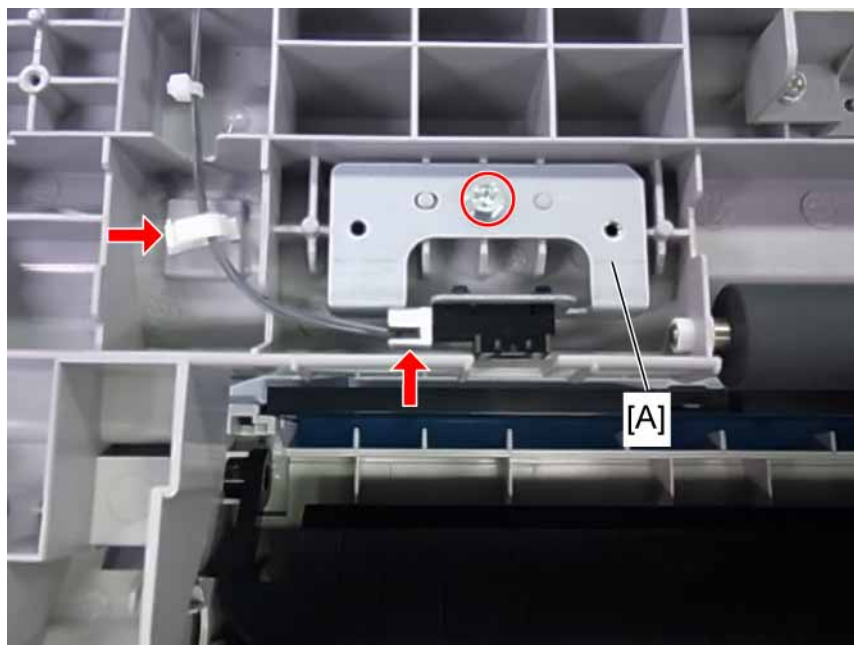


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1.Replacement and Adjustment

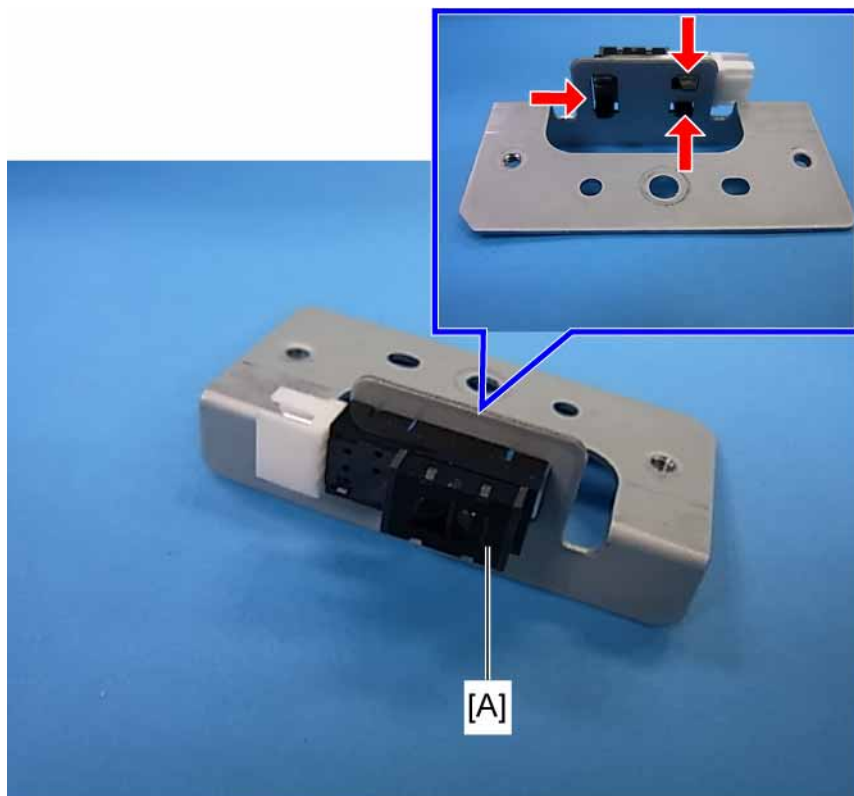
Paper Transport Sensor

1. Pull out the paper tray.
2. Remove the grounding plate and vertical transport cover open/close switch bracket. ([Vertical Transport Cover Open/Close Switch](#))
3. Remove the paper transport sensor with bracket [A]. (🔧 × 1, 🛠️ × 1, 🔑 × 1)



d5730022

4. Remove the paper transport sensor [A]. (Hooks × 3)

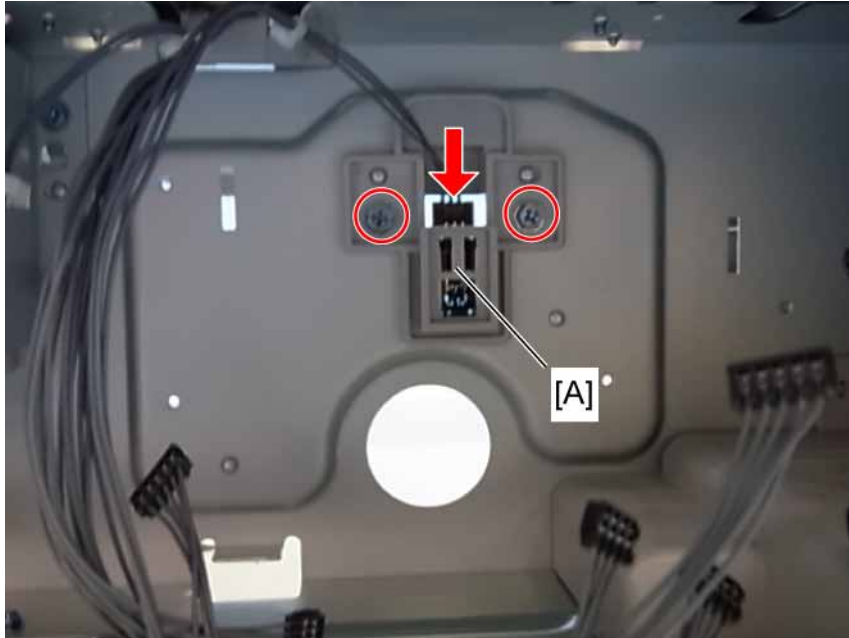


d5730023

Tray Bottom Plate Lift Sensor and HP Sensor

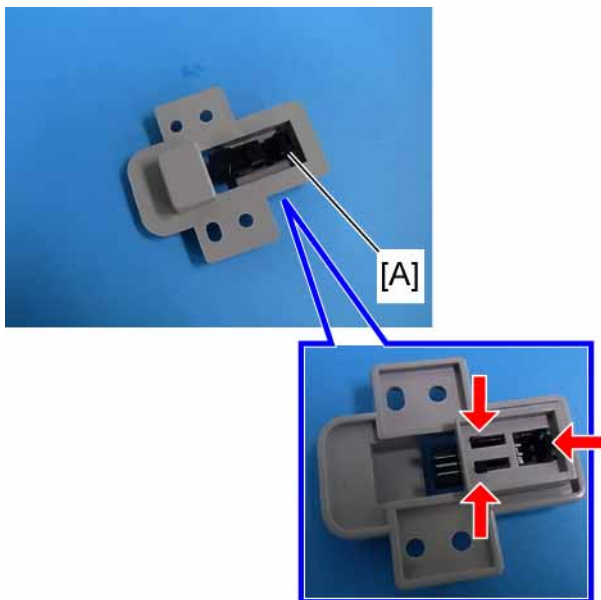
Tray Bottom Plate Lift Sensor

1. Remove the tray lift motor ([Tray Lift Motor](#))
2. Remove the tray bottom plate lift sensor with the bracket [A]. ( × 1,  × 2)



d5730017

3. Remove the tray bottom plate lift sensor [A] (Hooks × 3)



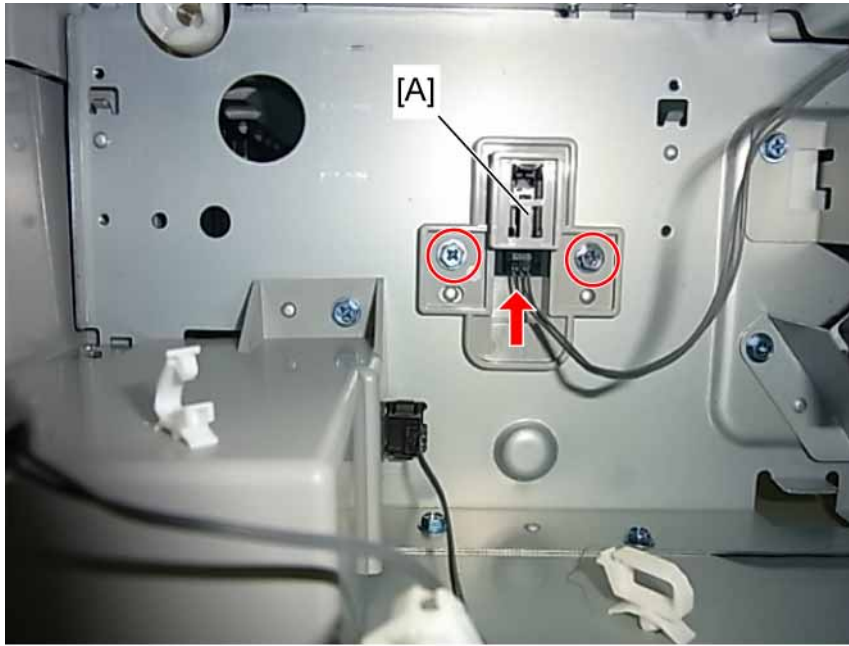
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Tray Bottom Plate HP Sensor

1. Remove the paper feed gear assembly ([Vertical Transport Clutch and Relay Clutch](#))

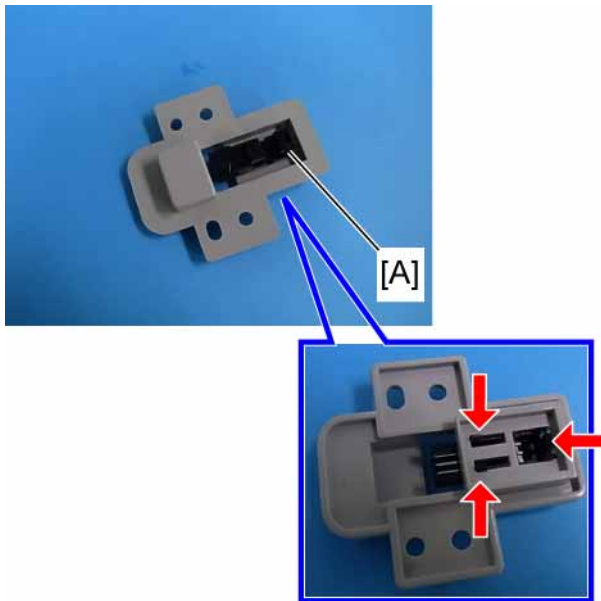
1.Replacement and Adjustment

- 2.** Remove the tray bottom plate HP sensor with the bracket [A] ( × 1,  × 2)



d5730019

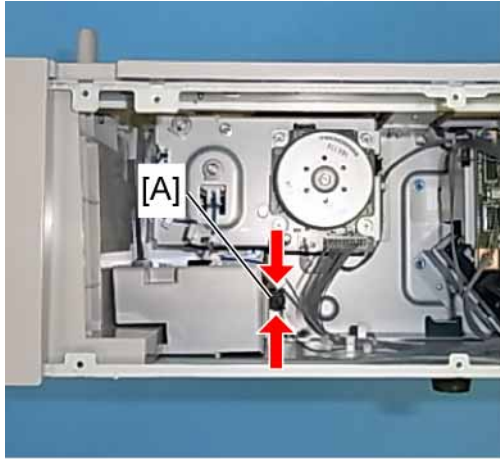
- 3.** Remove the tray bottom plate HP sensor [A]. (Hooks × 3)



d5730018

Tray Set Switch

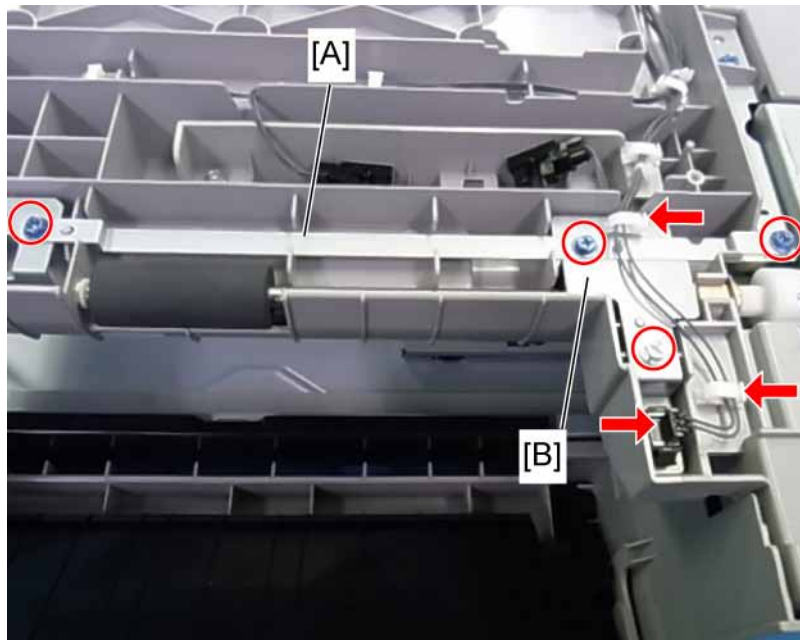
1. Pull out the paper tray.
2. Remove the rear cover. ([Rear Cover](#))
3. Pull out the tray set switch [A] from the front while releasing the hooks (Hooks × 2).



d5730020

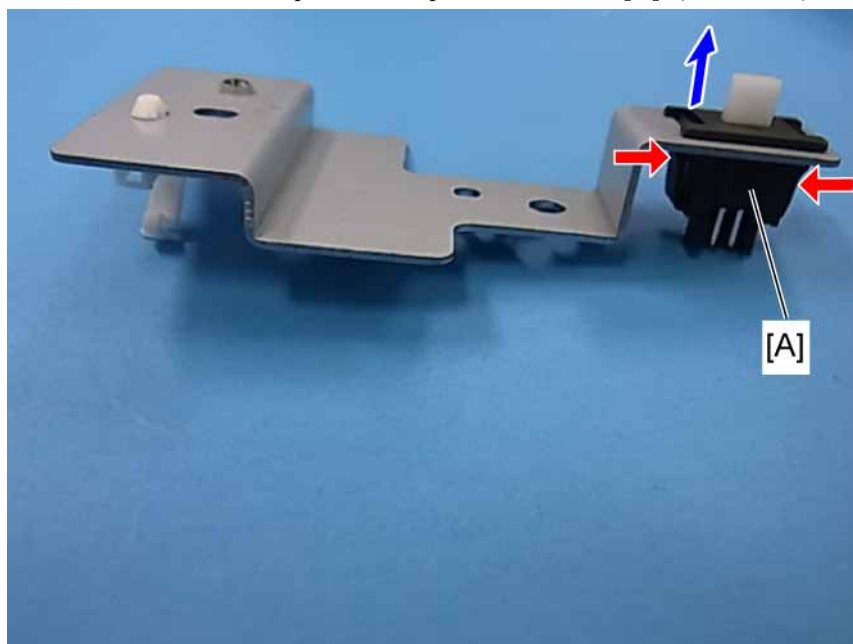
Vertical Transport Cover Open/Close Switch

1. Open the right door.
2. Remove the upper cover. ([Upper Cover](#))
3. Remove the grounding plate [A] and the sensor bracket [B]. (⌀ × 4, ⌀ × 2, ⌀ × 1)



d5730008a

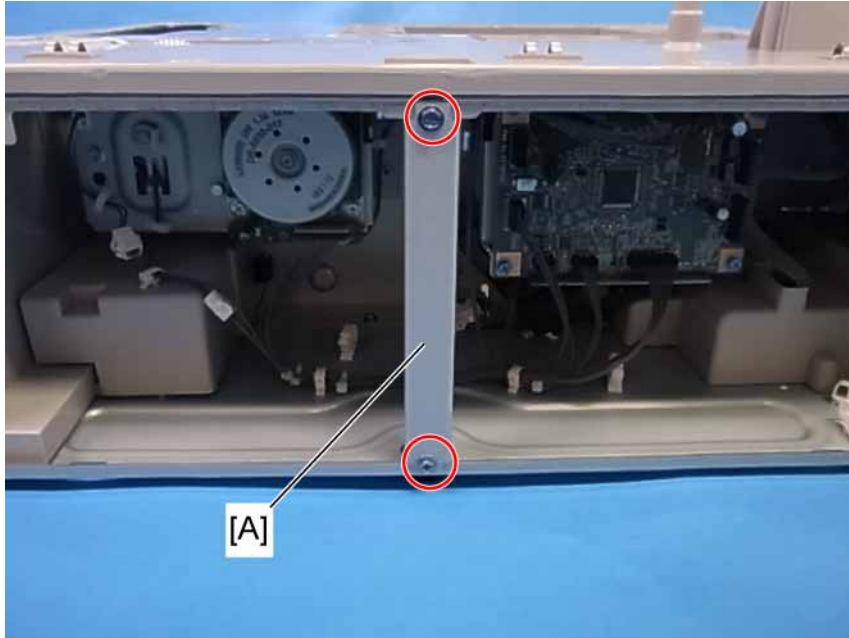
4. Remove the vertical transport cover open/close switch [A]. (Hooks × 2)



d5730021

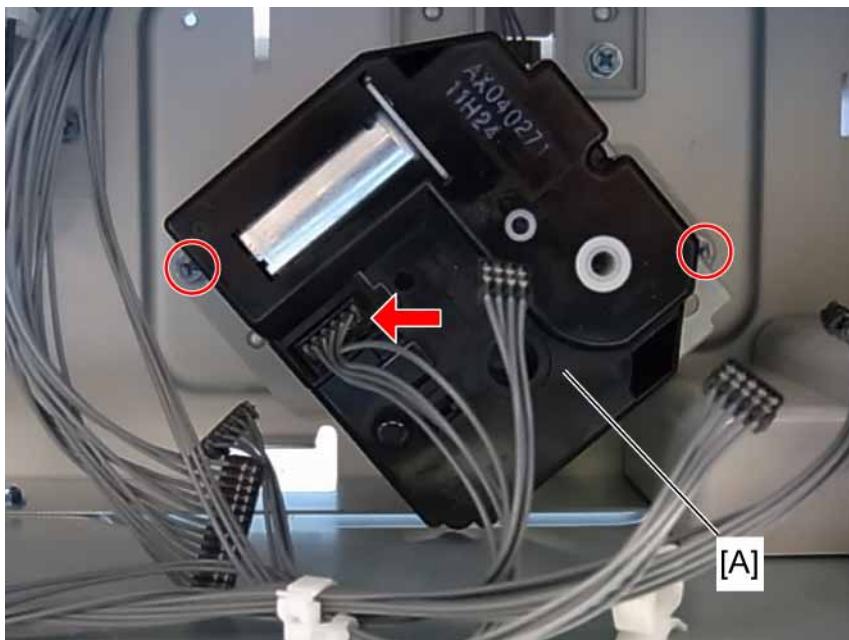
Tray Lift Motor

1. Pull out the paper tray.
2. Remove the rear cover ([Rear Cover](#))
3. Remove the rear stay [A]. (🔩 × 2)



d5730011

4. Remove the controller board with bracket. ([Controller Board](#))
5. Remove the tray lift motor [A]. (🔩 × 2, 📦 × 1)

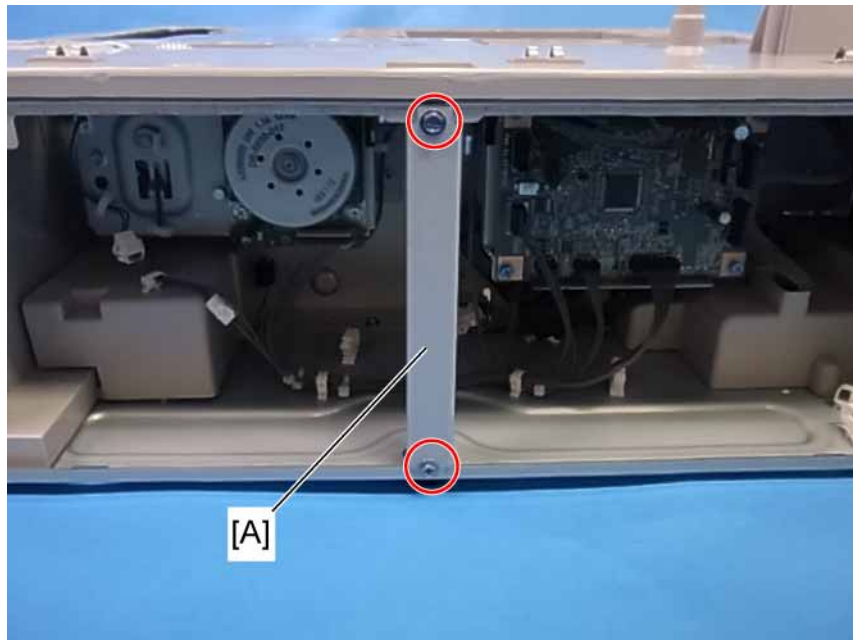


d5730012

1.Replacement and Adjustment

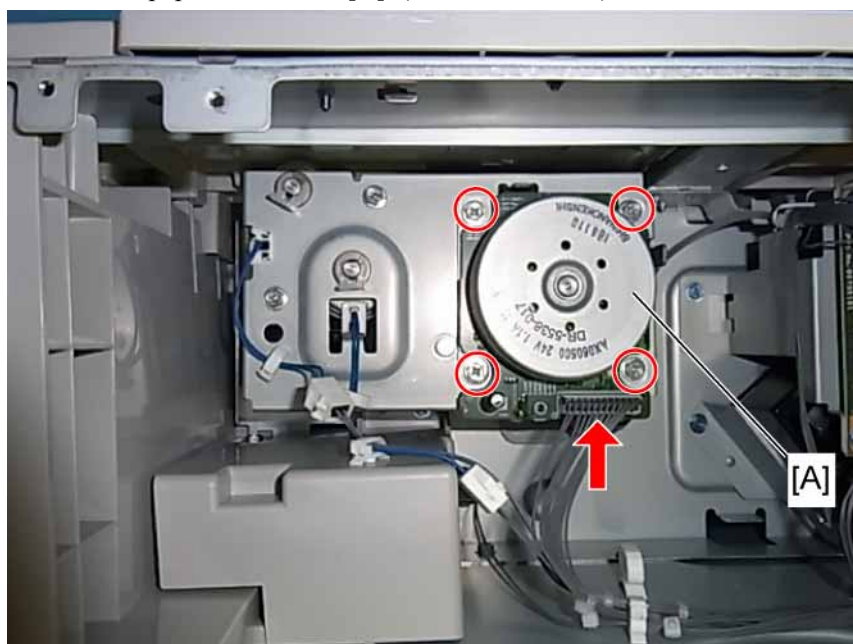
Paper Feed Motor

1. Pull out the paper tray.
2. Remove the rear cover. ([Rear Cover](#))
3. Remove the rear stay [A]. (🔩 × 2)



d5730011

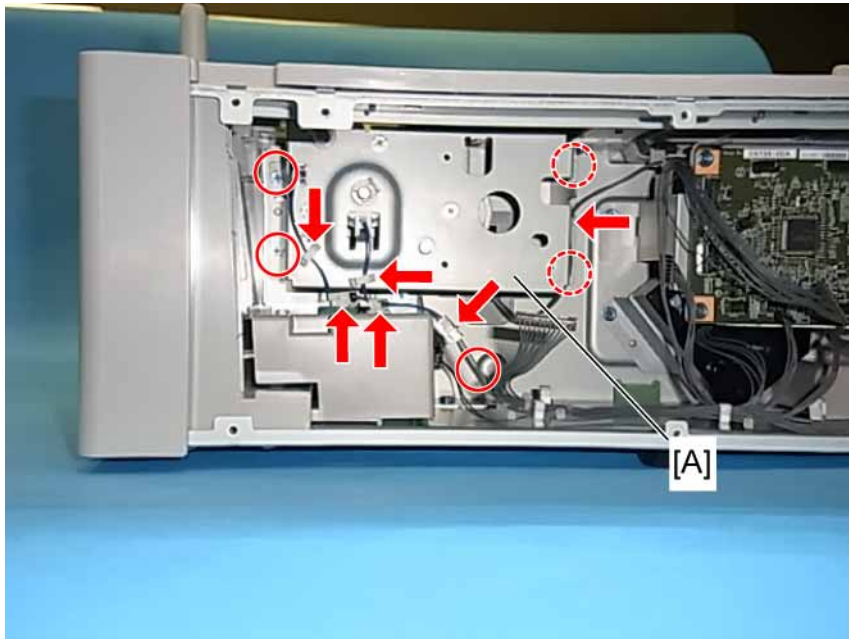
4. Remove the paper feed motor [A]. (🔧 × 1, 🔩 × 4)



d5730013

Vertical Transport Clutch and Relay Clutch

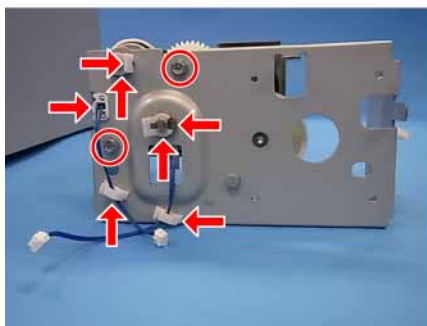
1. Remove the paper feed motor. ([Paper Feed Motor](#))
2. Remove the paper feed gear assembly [A]. (⚙️ × 2, ⚙️ × 4, ⚙️ × 4)



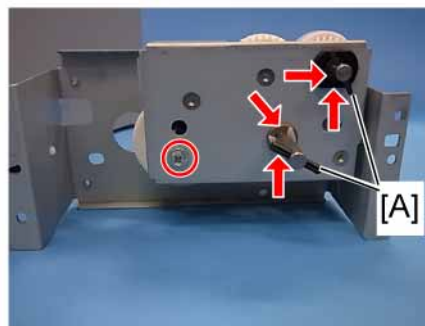
d5730014

3. Remove all screws, clips, clamps, e-rings and bearings.
4. Pull out the wedges [A].

1:



2:



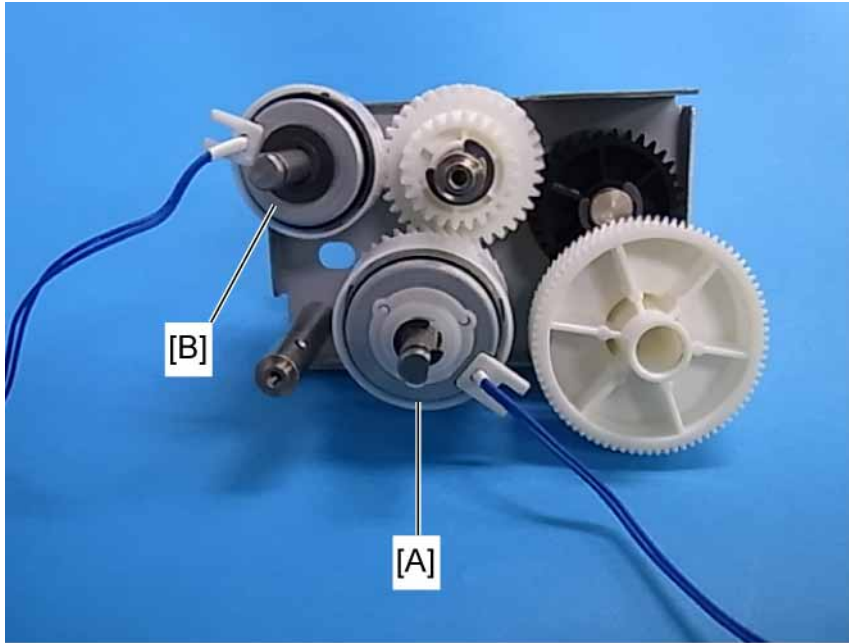
d5730015

1: Front

2: Rear

1.Replacement and Adjustment

- 5.** Pull out the vertical transport clutch [A] and relay clutch [B] from the bracket.



d5730016

Note

- Refer to the above photo when reassembling the paper feed gear assembly.