Paper Feed Unit PB1070 / Paper Feed Unit PB1060
Machine Code: M440 / M441
Field Service Manual
Ver 1.00

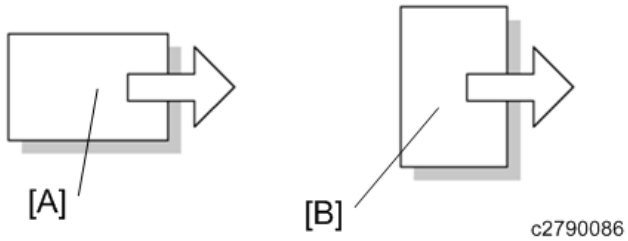
Latest Release: -

Initial Release: August, 2016

Symbols and Abbreviations

This manual uses several symbols.

Symbol	What it means
	Screw
	Connector
	Clip ring
	Clamp
	FFC
	E-ring
	Spring
SEF	Short Edge Feed
LEF	Long Edge Feed



[A] Short Edge Feed (SEF)

[B] Long Edge Feed (LEF)

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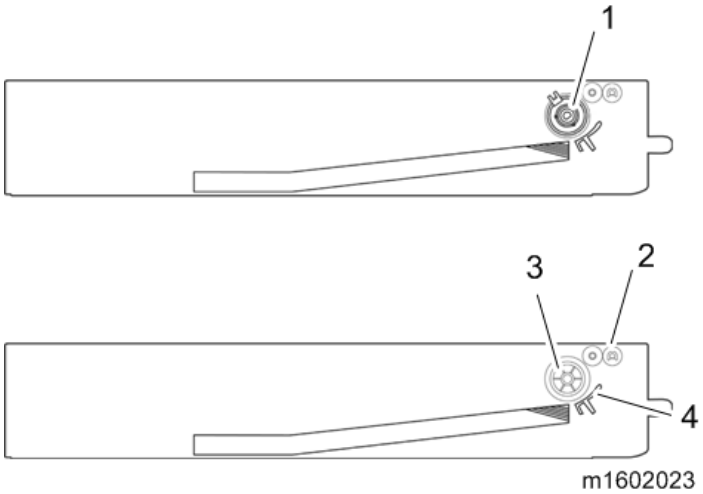
1. Detailed Descriptions

Overview

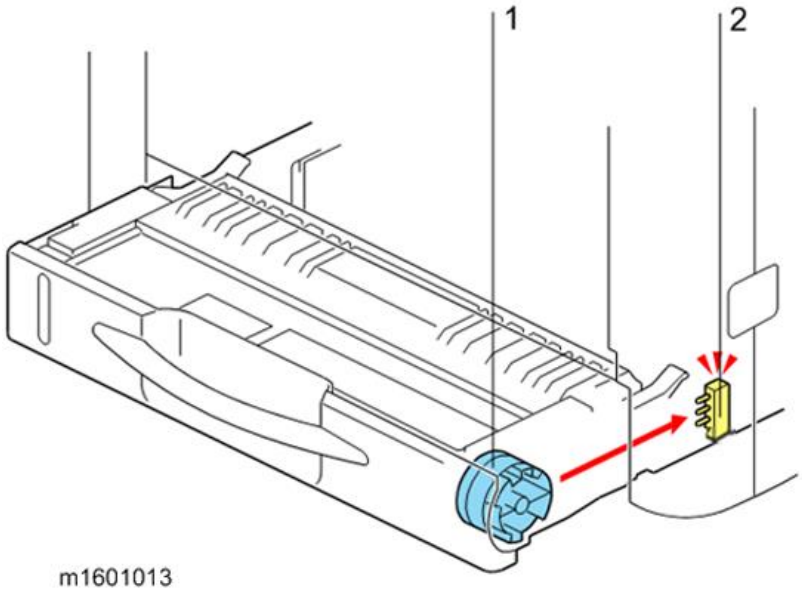
Mechanical Components

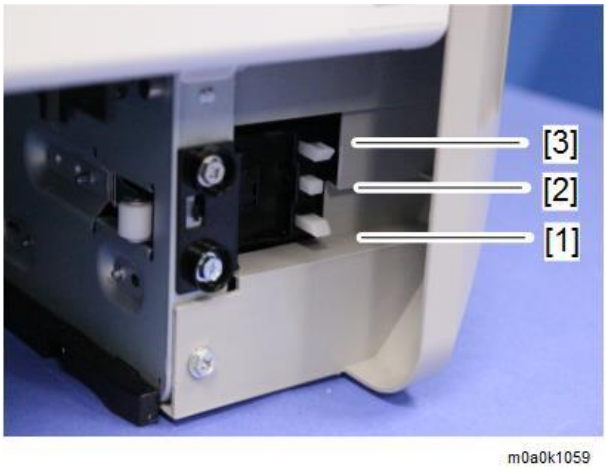


1. Paper feed clutch
2. Grip roller
3. Paper feed roller
4. Friction pad

Paper Size Detection

The paper size is detected by a combination of three switches built into the Paper Size Switch [2]. The switches are operated by the Paper Size Dial [1] located on the right side of the Paper Feed Tray.





1. SW1
2. SW2
3. SW3

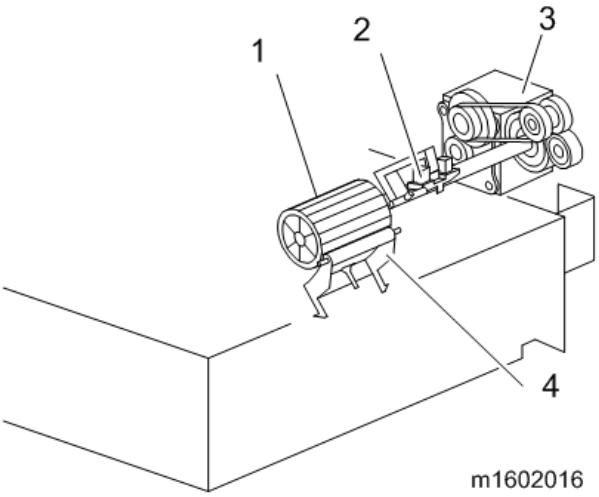
Paper size detection combinations (L: Switch is pressed)

	SW 1	SW 2	SW 3	Paper Size
1	L	L	L	A4 SEF
2	L	H	L	A5 SEF
3	H	L	L	A6 LEF
4	H	H	L	Legal SEF
5	L	L	H	Letter SEF
6	L	H	H	-

	SW 1	SW 2	SW 3	Paper Size
7	H	L	H	Half Letter SEF
8	H	H	H	Paper cassette is not set.

Paper Feed and Separation

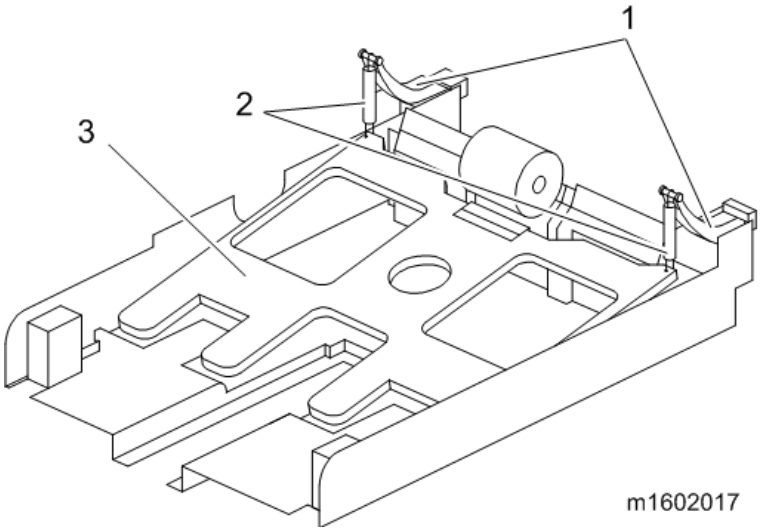
The paper feed unit uses the feed roller and friction pad method to separate paper. The friction pad method makes it possible to feed only one sheet at a time (the top sheet) because of the friction between the friction pad and the paper.



1. Paper feed roller
2. Paper feed sensor
3. Paper feed motor
4. Friction pad

Paper Lift

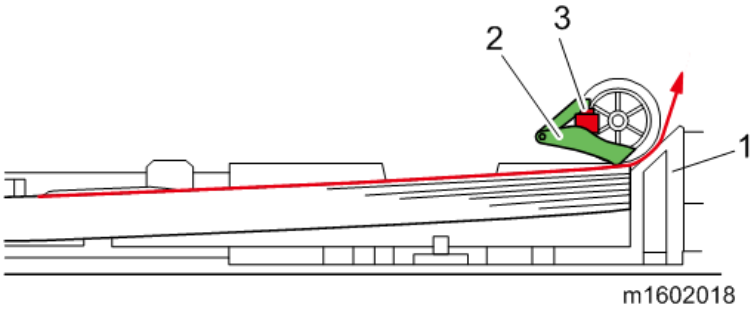
Pushing in the paper cassette makes the tray arms move up along the groove in the tilted guide and lift the bottom plate with springs.



1. Tray arms
2. Springs
3. Bottom plate

Paper End Detection

When the optional bank [1] runs out of paper, the feeler [2] drops into the cutout in the bottom plate to actuate the paper end sensor [3].



1. Optional bank
2. Feeler
3. Paper end sensor

2. Replacement and Adjustment

Paper Feed Unit PB1060 (250 sheets) / PB1070 (500 sheets)

Paper Feed Tray

1. Paper Feed Tray [A]

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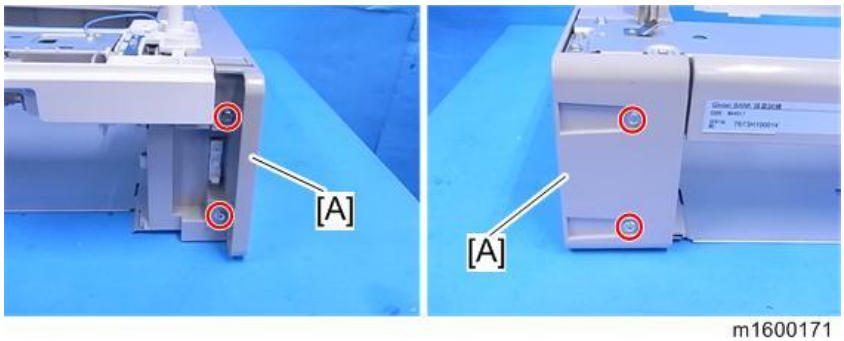
Exterior

Right Cover PB1070 (500 Sheets)

1. Paper Feed Tray (Paper Feed Tray)
2. Right Cover [A] (x4, Tab x2)



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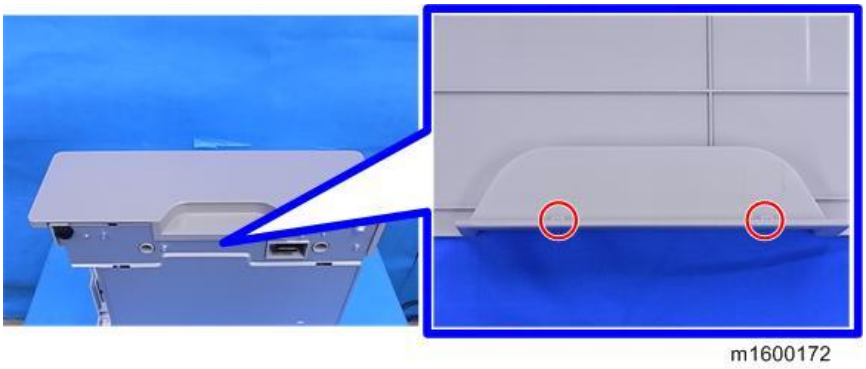
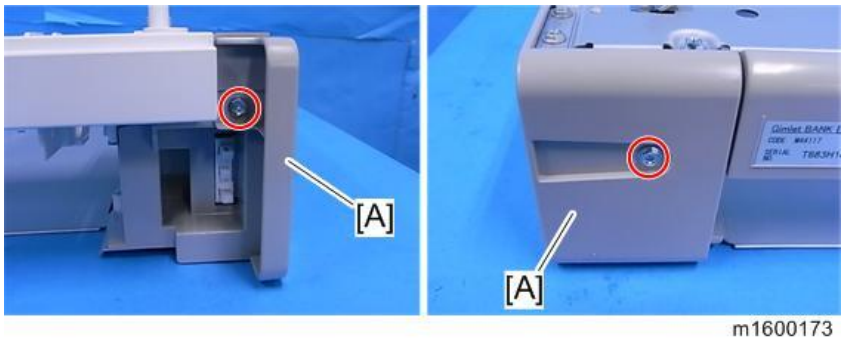
Note

- Be sure to release two tabs on the bottom of (and behind) the right cover while trying to remove it.



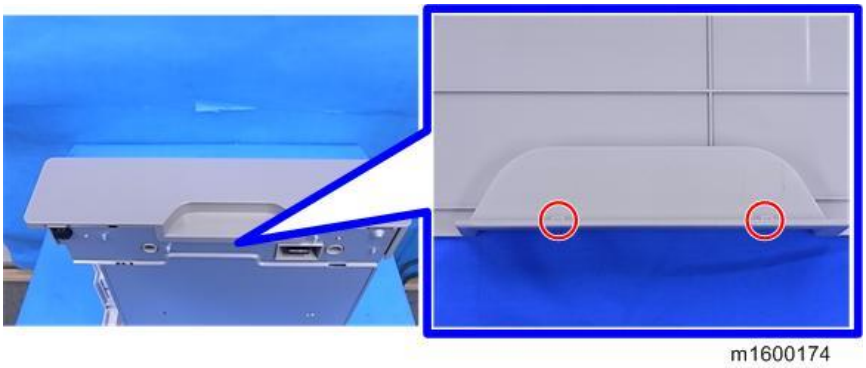
Right Cover PB1060 (250 Sheets)

1. Paper Feed Tray (Paper Feed Tray)
2. Right Cover [A] (x2, Tab)



Note

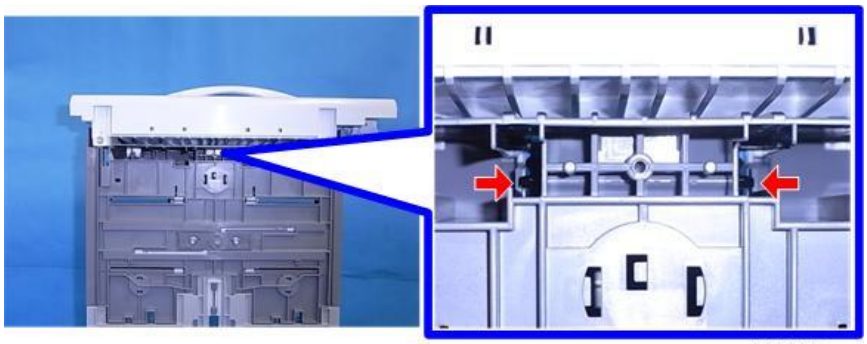
- Be sure to release two tabs on the bottom of (and behind) the right cover while trying to remove it.

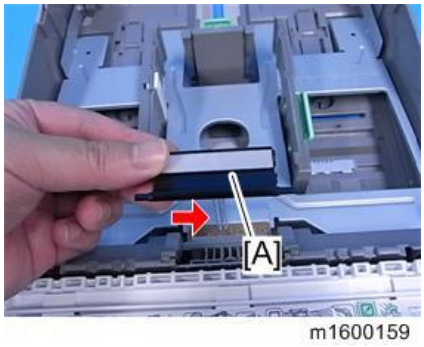


Friction Pad

1. Paper Feed Tray (Paper Feed Tray)

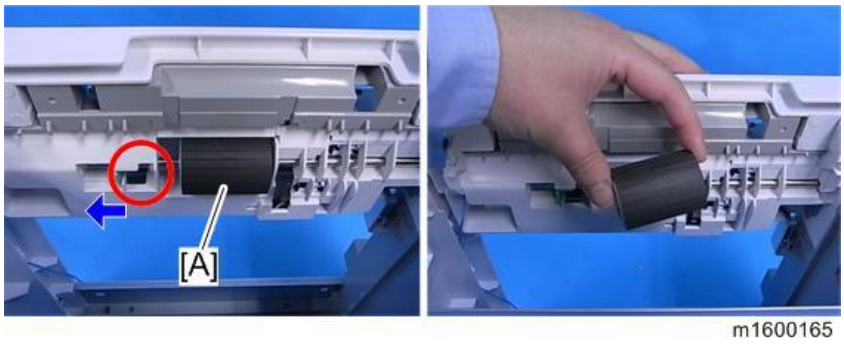
2. Friction Pad [A] (Tab x2, Spring x1)





Paper Feed Roller

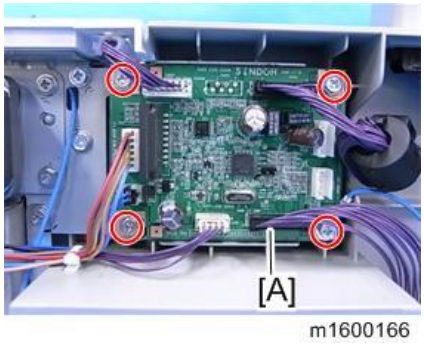
1. Paper Feed Tray (Paper Feed Tray)
2. Release the lever to the left as shown below to remove the paper feed roller [A].



Tray Main Board

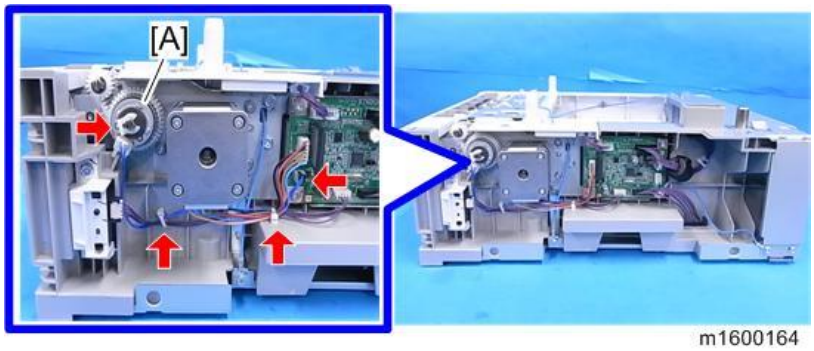
1. Paper Feed Tray (Paper Feed Tray)
2. Right Cover (Exterior)

3. Tray Main Board [A] (x4, x all)



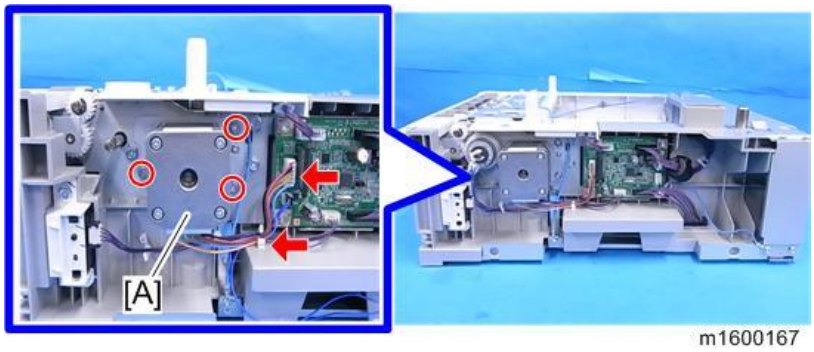
Paper Feed Clutch

1. Paper Feed Tray (Paper Feed Tray)
2. Right Cover (Exterior)
3. Paper Feed Clutch [A] (x1, x2, x1)

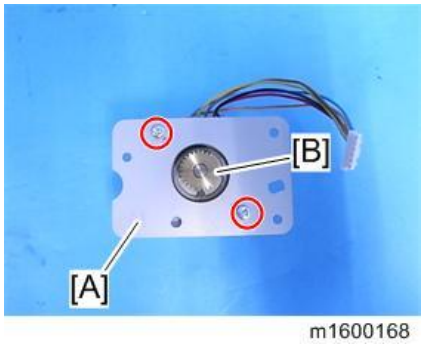


Paper Feed Motor

1. Paper Feed Clutch (Paper Feed Clutch)
2. Bracket [A] with Paper Feed Motor (x3, x1, x1)

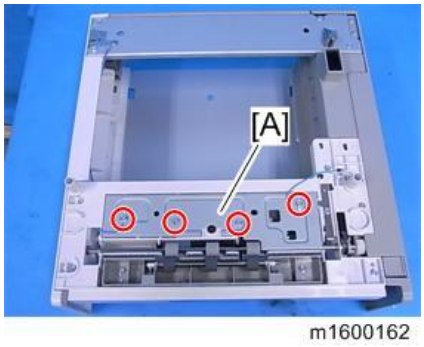


3. Detach the paper feed motor [B] from the bracket [A]. (x2)

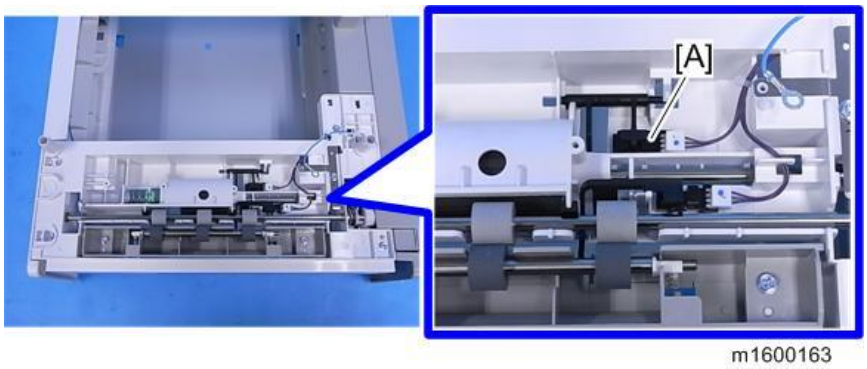


Paper End Sensor

1. Paper Feed Tray (Paper Feed Tray)
2. Bracket [A] (x4)



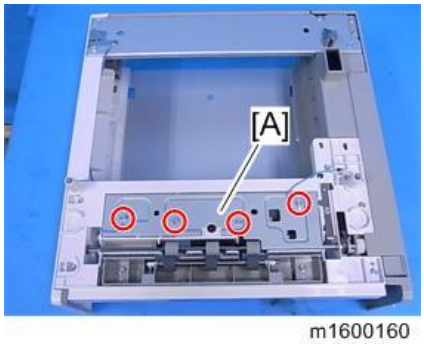
3. Paper End Sensor [A] (x1, Hook)



Paper Feed Sensor

1. Paper Feed Tray (Paper Feed Tray)

2. Bracket [A] (x4)



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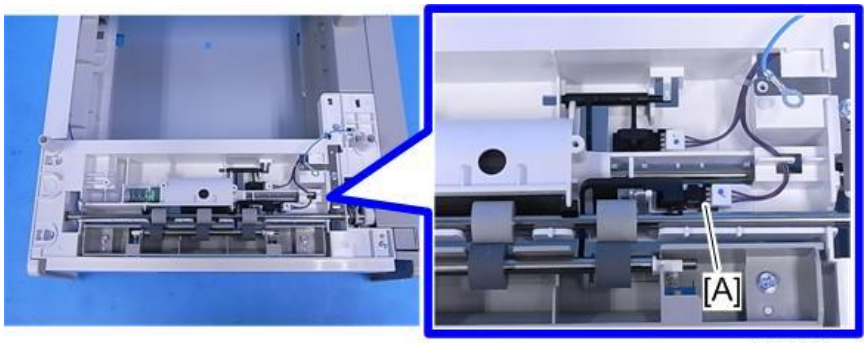
3. Paper Feed Sensor [A] (x1, Hook)



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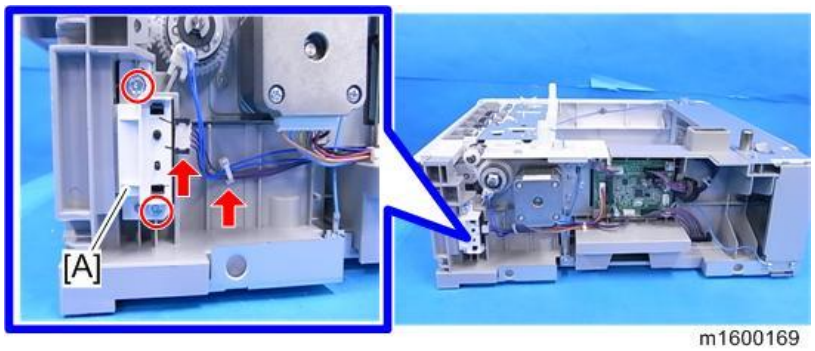
Paper Size Switch

1. Paper Feed Tray (Paper Feed Tray)
2. Right Cover (Exterior)
3. Bracket [A] with paper size switch (x2, x1, x1)



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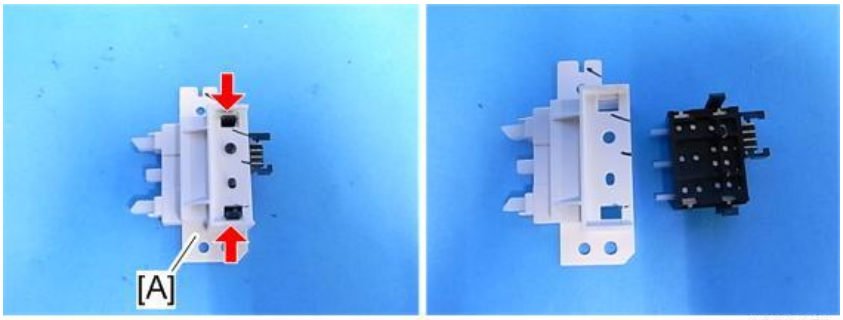
4. Detach the paper size switch from the bracket [A]. (Hook x2)



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