Side Tray Type M37
Machine Code: D3FX
Field Service Manual
Ver. 1.0

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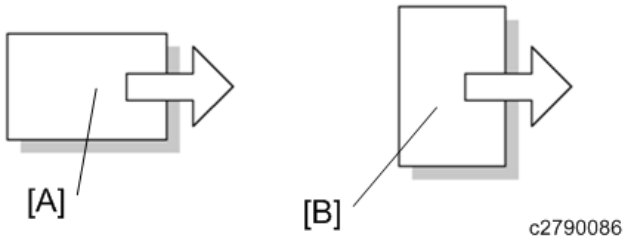
Symbols, Abbreviations and Trademarks

Symbols, 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
	E-ring
	Flat Flexible Cable
	Timing Belt
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. Detailed Descriptions

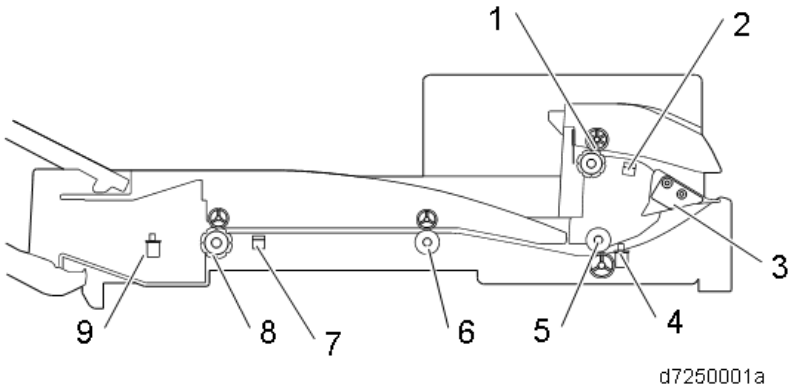
Changes from the Previous Machine

No difference mechanically.

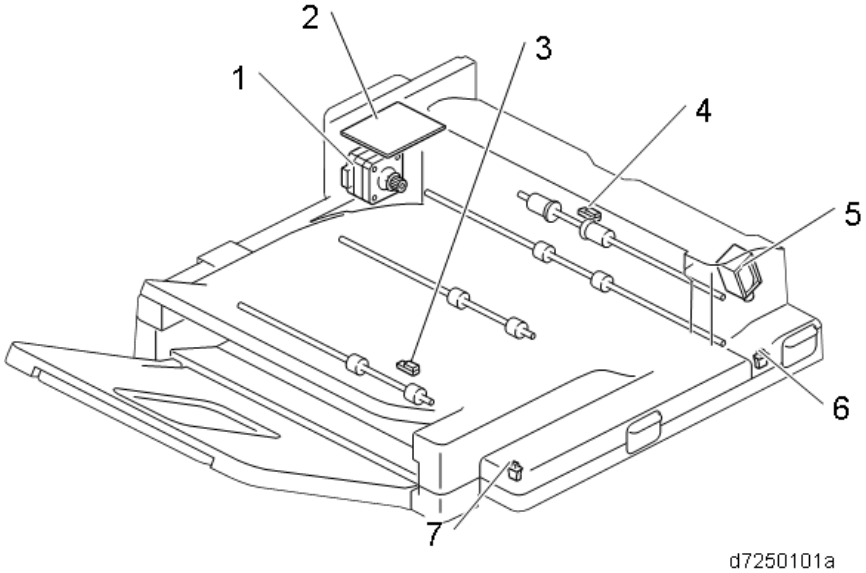
Specifications

Item	Specifications
Paper size:	A3 SEF, A4 SEF/LEF, A5 SEF/LEF, A6 SEF, B4 JIS SEF, B5 JIS SEF/LEF, B6 JIS SEF, 11 x 17 SEF, 8 1/2 x 14 SEF, 8 1/2 x 13 LEF, 8 1/2 x 11 SEF/LEF, 8 1/4 x 14 SEF, 8 1/4 x 13 SEF, 8 x 13 SEF, 8 x 10 SEF, 7 1/4 x 10 1/2 SEF/LEF, 5 1/2 x 8 1/2 SEF, 4 1/8 x 9 1/2 SEF/LEF, 3 7/8 x 7 1/2 SEF/LEF, C5 Env SEF/LEF, C6 Env SEF/LEF, DL Env SEF/LEF, 8K SEF, 16K SEF/LEF, 12 x 18 SEF, 11 x 15 SEF, 10 x 14 SEF, SRA3 SEF, SRA4 SEF/LEF, custom size
Paper weight:	52–300 g/m^2 (14 lb. Bond–110 lb. Cover)
Paper capacity (80 g/m^2, 20 lb. Bond):	• Internal tray 1: 250 sheets: A4, 8 1/2 x 11 or smaller 125 sheets: B4 JIS, 8 1/2 x 14 or larger • External tray: 125 sheets
Power consumption:	12 W (Power is supplied from the main unit.)
Dimensions (W x D x H):	800 x 549 x 156 mm (31.5 x 21.7 x 6.2 inches)
Weight:	Approx. 4 kg (8.9 lb.)

Parts Layout



No.	Description	No.	Description
1	Paper exit roller	6	Transport roller 2
2	Paper exit sensor (S1)	7	Side tray paper exit sensor (S2)
3	Paper junction gate	8	Transport roller 3
4	Paper exit switching unit set switch (SW1)	9	Paper exit tray set switch (SW2)
5	Transport roller 1	-	-

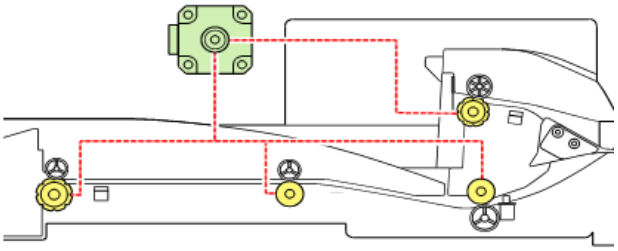


No.	Description	No.	Description
1	Side tray motor (M1)	5	Paper junction gate solenoid (SOL1)
2	Controller board (PCB1)	6	Paper exit switching unit set switch (SW1)
3	Side tray paper exit sensor (S2)	7	Paper exit tray set switch (SW2)
4	Paper exit sensor (S1)	-	-

Mechanism

Drive Mechanism

The paper exit roller and transport rollers 1-3 are driven by the side tray motor through gears and a timing belt.



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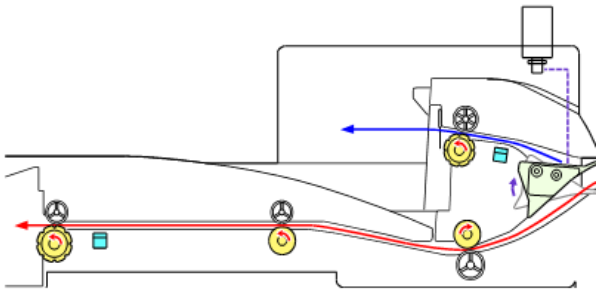
Paper Transport Mechanism

The paper junction gate solenoid drives the paper junction gate. The paper junction gate changes the path of the paper transported from the main machine's paper exit section to the upper or side paper exit tray.

Paper delivered to the upper paper exit tray is ejected by the paper exit roller, which is provided in the paper exit transport path. On the other hand, paper delivered to the side paper exit tray is transported by the transport roller, which is provided in the transport path. Two sensors detect paper jams.



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2. Replacement and Adjustment

Side Tray Motor (M1) Unit

1. Remove the upper extension tray [A], left extension tray [B].

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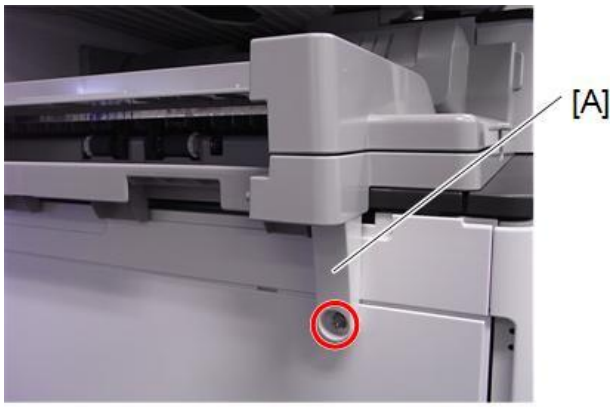
2. Remove the fixing plate [A] (×1).



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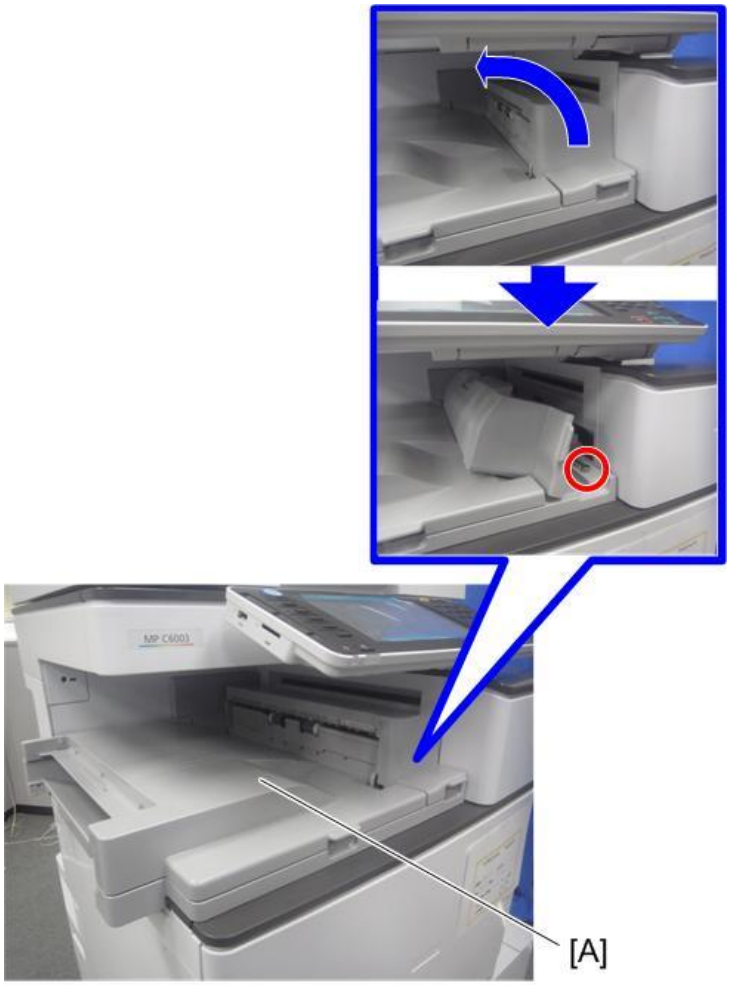
3. Remove the side tray [A] (×1).



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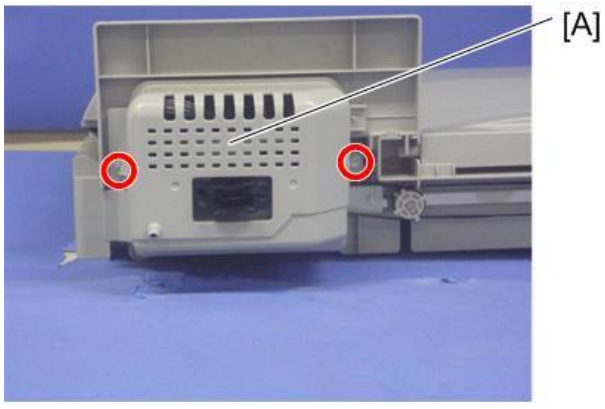
4. Remove the side tray motor unit cover [A] (×2).



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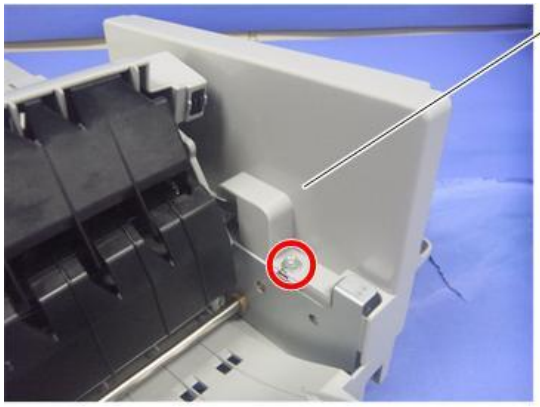
5. Remove the side tray rear cover [A] (×1).



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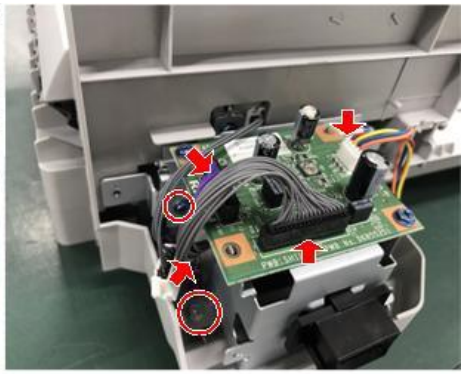
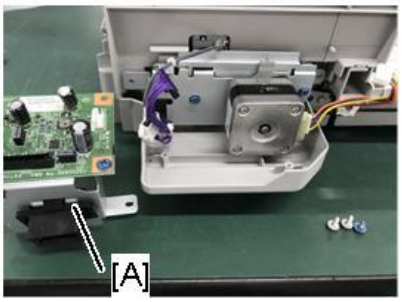
6. Remove the drawer connector [A] together with the bracket.

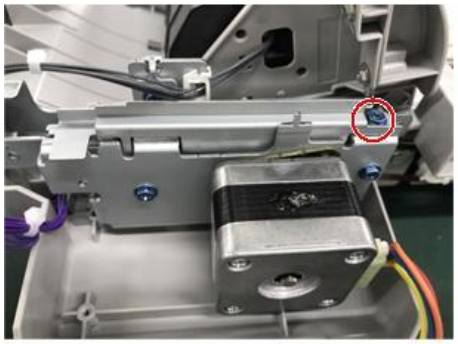


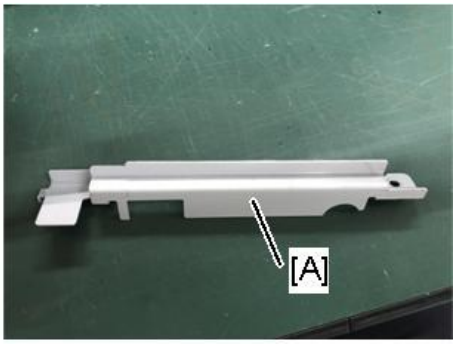
x3, x1, x3

d0bqm0564



7. Remove the bracket [A].

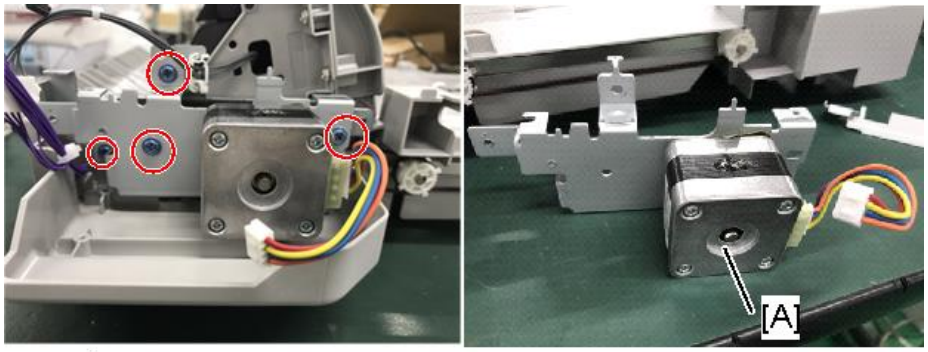




x1

d0bqm0565

8. Remove the side tray motor (M1) unit [A].

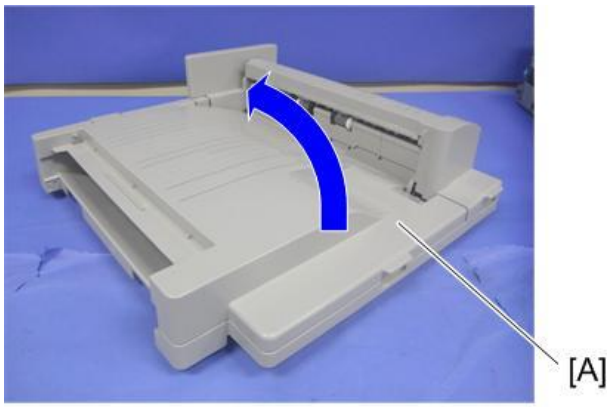


x4

d0bqm0566

Paper Exit Sensor (S1)

1. Remove the side tray. (Side Tray Motor (M1) Unit)
2. Remove the paper exit tray [A].



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3. Remove the side tray motor unit cover. (Side Tray Motor (M1) Unit)
4. Remove the side tray rear cover. (Side Tray Motor (M1) Unit)
5. Remove the side tray paper exit cover [A] (×1).

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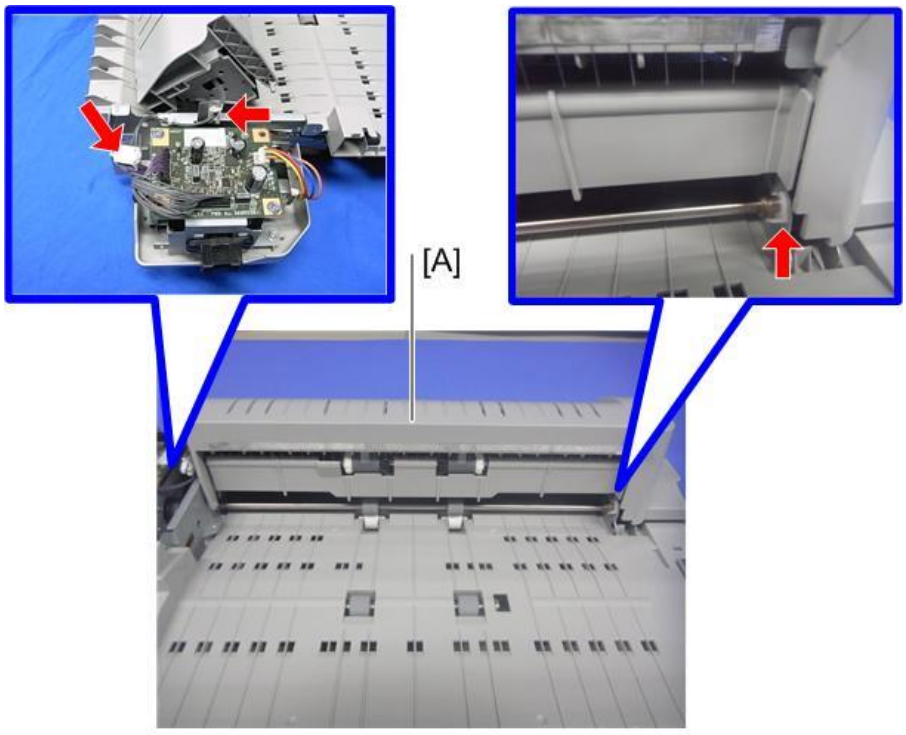
6. Remove the paper exit switching unit [A] (×1, ×1, ×1).



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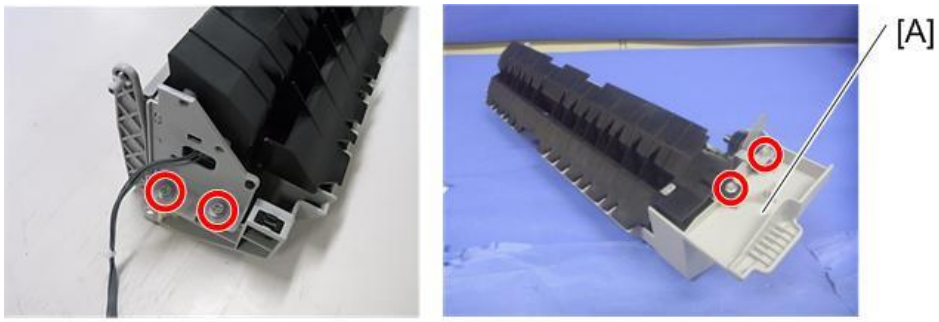
7. Remove the paper exit switching unit cover [A] (×4).



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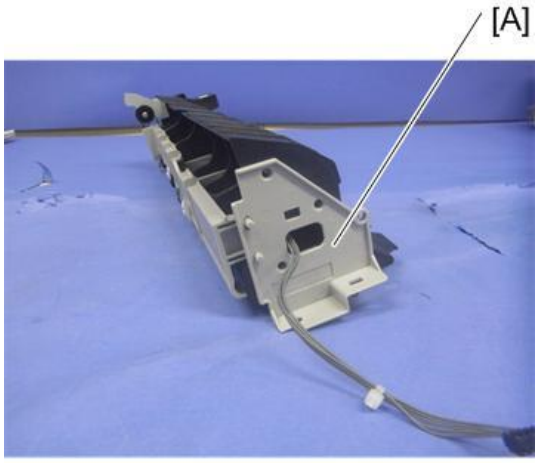
8. Remove the guide plate [A].



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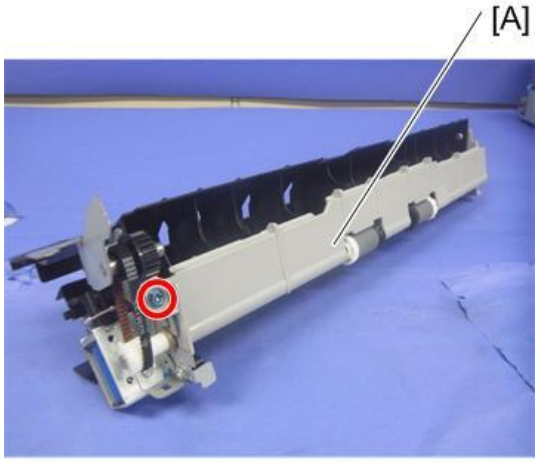
9. Remove the guide plate [A] (×1).



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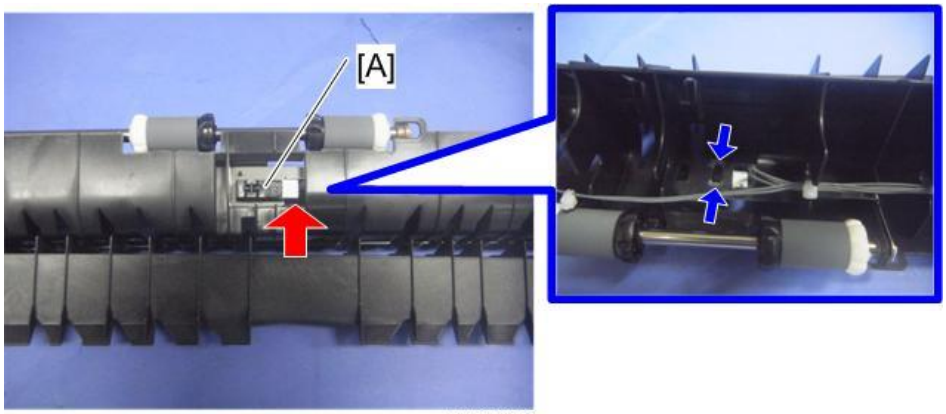
10. Remove the paper exit sensor (S1) [A] (×1).



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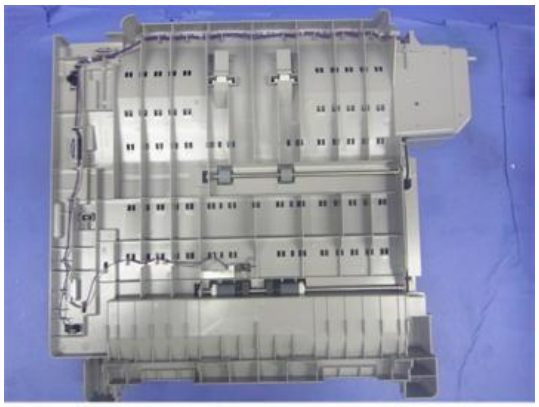
Side Tray Paper Exit Sensor (S2)

1. Remove the paper exit tray. (Paper Exit Sensor (S1))
2. Place the unit upside down.



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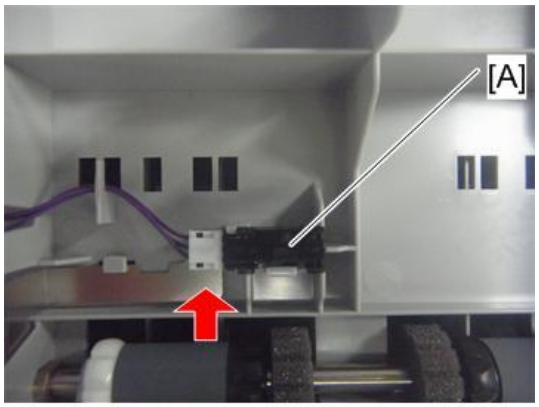
3. Remove the side tray paper exit sensor (S2) [A] (×1).



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Paper Exit Tray Set Switch (SW2)

1. Remove the paper exit tray. (Paper Exit Sensor (S1))
2. Remove the paper exit set switch cover [A].

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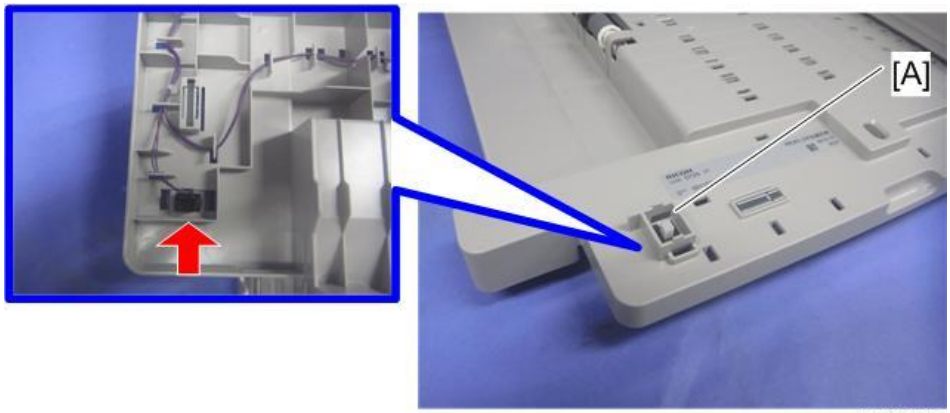
3. Remove the paper exit tray set switch (SW2) [A] (×1).



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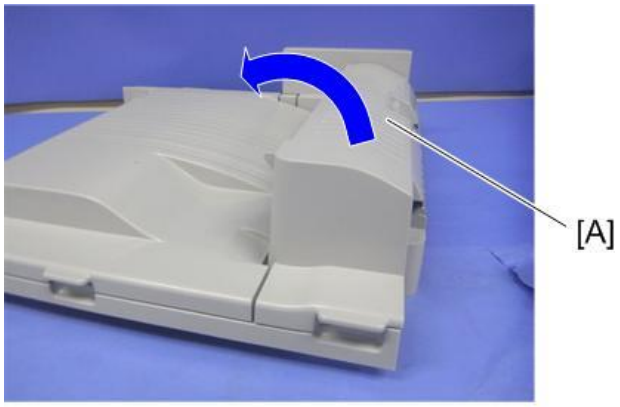
Paper Exit Switching Unit Set Switch (SW1)

1. Open the paper exit switching unit [A].



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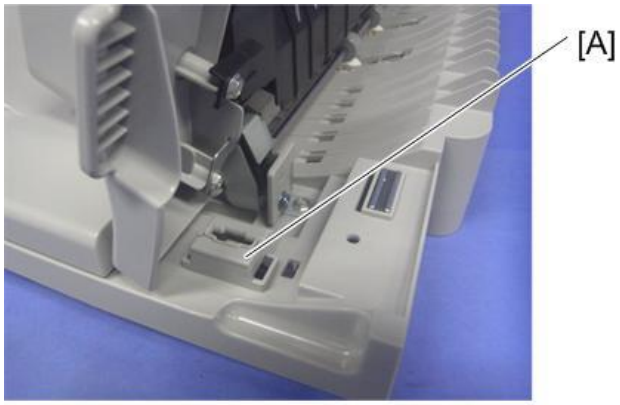
2. Remove the paper exit switching unit switch cover [A].



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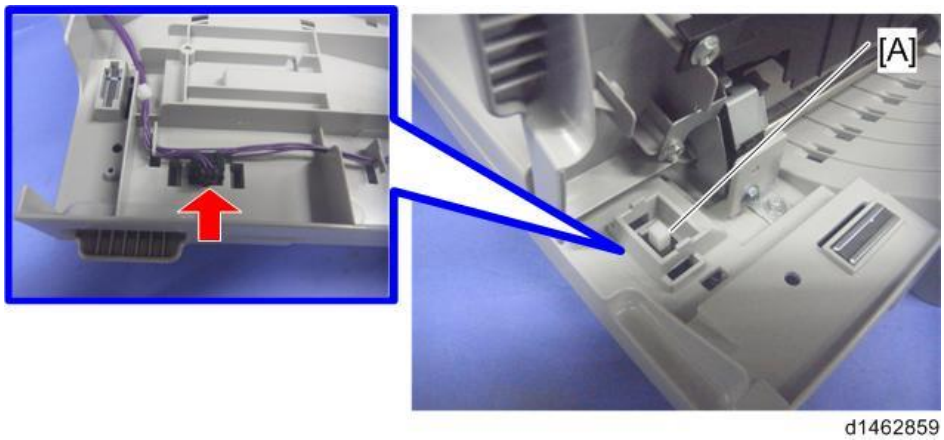
3. Remove the paper exit switching unit set switch (SW1) [A] (×1).



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