

Bridge Unit BU3090
Machine Code: D3FW
Field Service Manual
Ver. 1.0

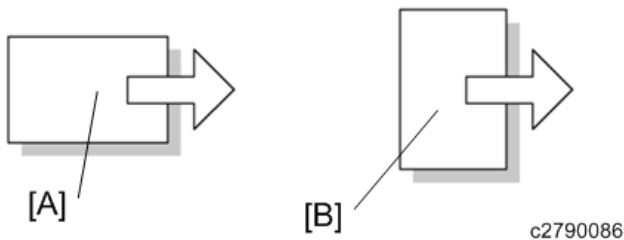
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Symbols, Abbreviations and Trademarks

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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Microsoft® Windows Server® 2012 Foundation

Microsoft® Windows Server® 2012 Essentials

Microsoft® Windows Server® 2012 Standard

- The product names of Windows Server 2012 R2 are as follows:

Microsoft® Windows Server® 2012 R2 Foundation

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Microsoft® Windows Server® 2012 R2 Standard

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Microsoft® Windows Server® 2016 R2 Essentials

Microsoft® Windows Server® 2016 R2 Standard

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Table of Contents

1. Detailed Descriptions	2
Changes from the Previous Machine	2
Specifications.....	3
Parts Layout.....	4
Mechanism	5
Drive Mechanism	5
Paper Transport Mechanism	5
2. Replacement and Adjustment	6
Drive Motor Unit.....	6
Paper Exit Sensor (S1).....	9
Relay Transport Sensor (S2).....	12
Paper Exit Tray Set Switch (SW1)	13
Relay Transport Unit Set Switch (SW2)	14

1. Detailed Descriptions

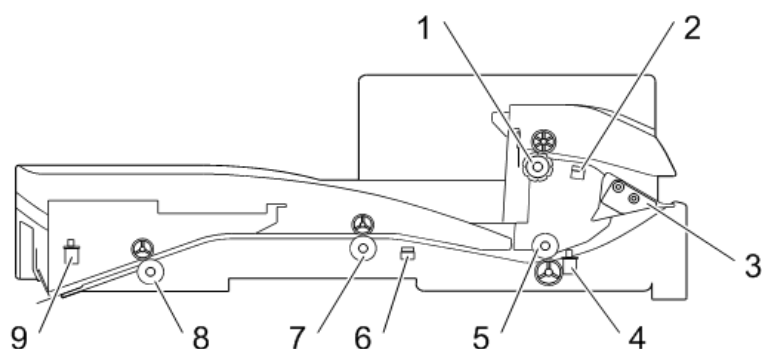
Changes from the Previous Machine

No difference mechanically.

Specifications

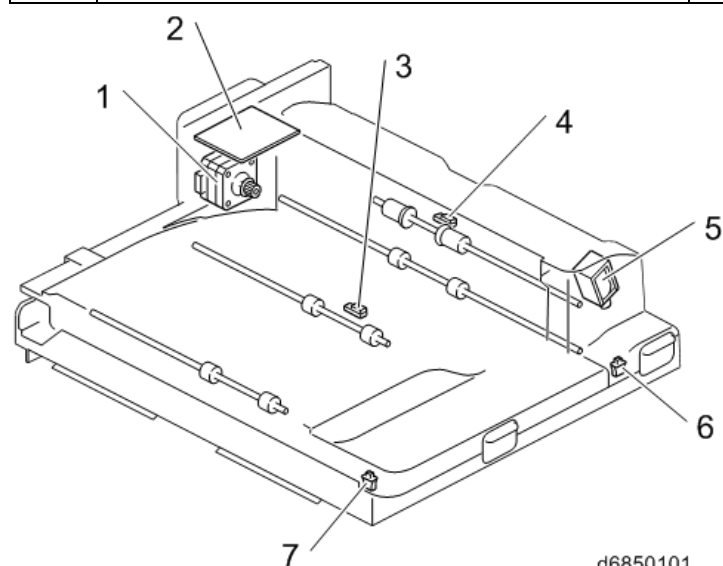
Item	Specifications
Stack capacity (80 g/m ² , 20 lb. Bond):	<ul style="list-style-type: none">• 250 sheets: A4, 8¹/₂ x 11 or smaller• 125 sheets: B4 JIS, 8¹/₂ x 14 or larger
Power consumption:	1.2 W
Dimensions (W x D x H):	412 x 466 x 143 mm (16.3 x 18.4 x 5.7 inches)
Weight:	Approx. 4 kg (8.9 lb.)

Parts Layout



d6850001

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



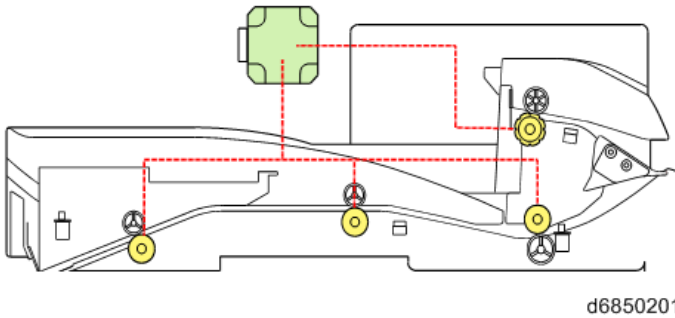
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No.	Description	No.	Description
1	Drive motor (M1)	5	Relay junction gate solenoid (SOL1)
2	Controller board (PCB1)	6	Relay transport unit set switch (SW2)
3	Relay transport sensor (S2)	7	Paper exit tray set switch (SW1)
4	Paper exit sensor (S1)	-	-

Mechanism

Drive Mechanism

The paper exit roller and transport rollers 1-3 are driven by the drive motor (M1) through gears and a timing belt.

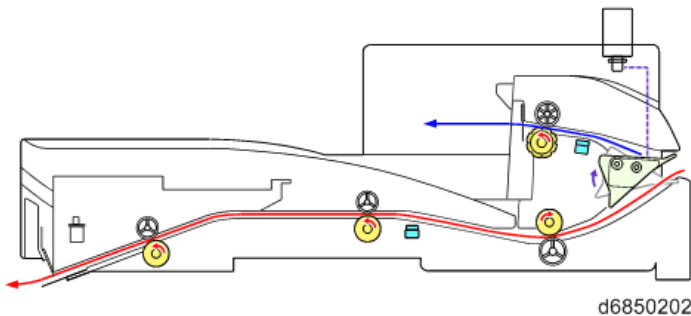


Paper Transport Mechanism

Paper transported from the main printer paper exit is changed over between the relay paper exit tray and relay transport unit by the relay junction gate.

Paper is output to the relay paper exit tray by a paper exit roller. The paper exit sensor (S1) in the paper exit transport path detects paper jams.

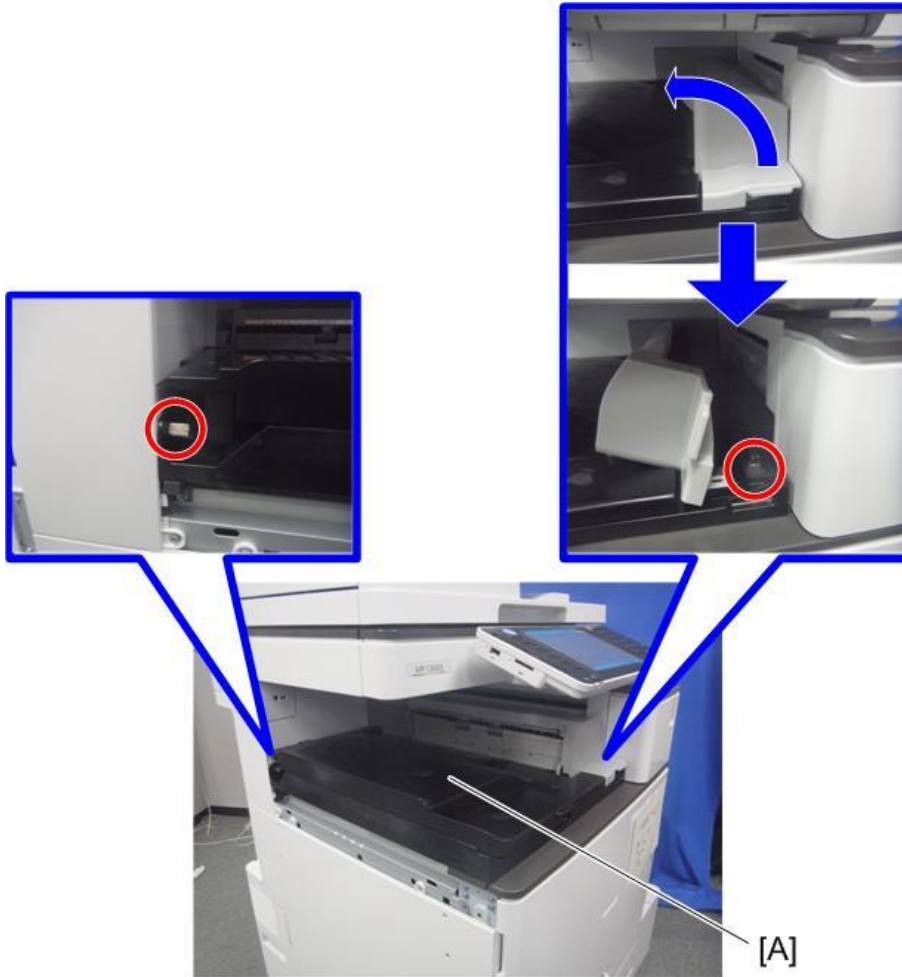
On the other hand, paper sent to the relay transport unit is sent to the finisher by the transport rollers. The relay transport sensor (S2) in the relay transport path adjusts the timing of feed to the finisher, and detects paper jams.



2. Replacement and Adjustment

Drive Motor Unit

1. Separate the finisher, and remove the connecting bracket.
2. Remove the bridge unit [A] (⚙️×2).



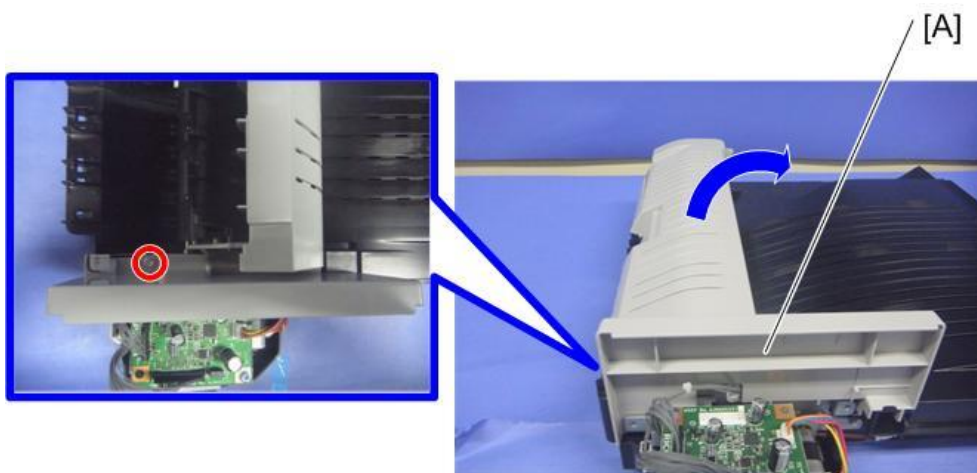
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3. Remove the drive motor unit cover [A] (⚙️×2).



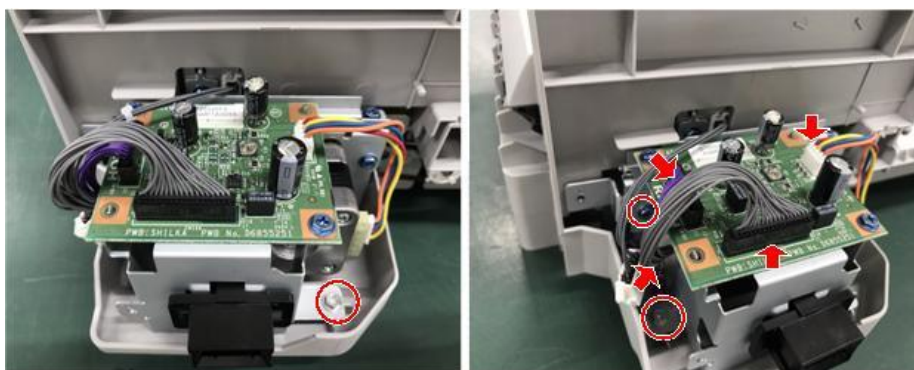
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- 4.** Remove the bridge unit rear cover [A] (⌀×1).



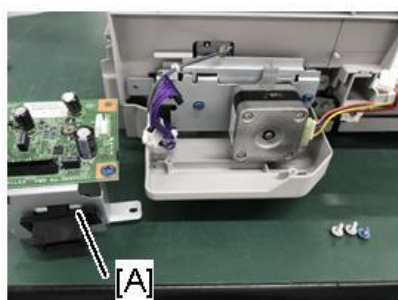
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- 5.** Remove the drawer connector [A] together with the bracket.

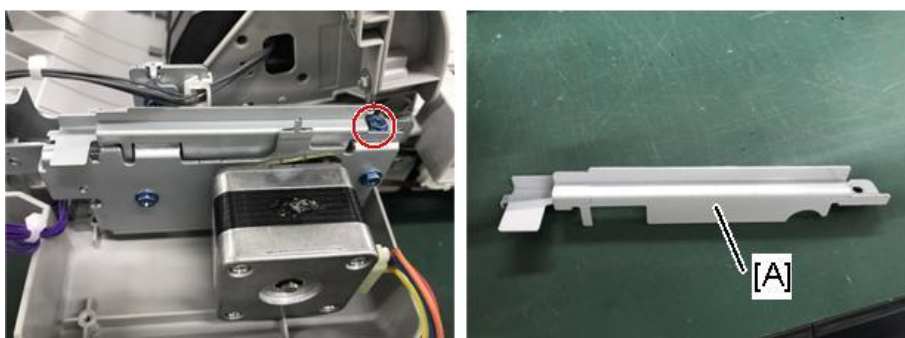


⌀x3, ⌀x1, ⌀x3

d0bqm0564



- 6.** Remove the bracket [A].

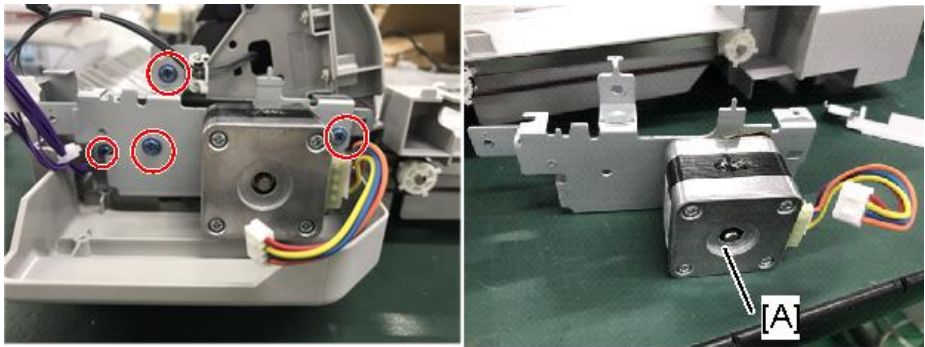


⌀x1

d0bqm0565

2.Replacement and Adjustment

7. Remove the drive motor unit [A].

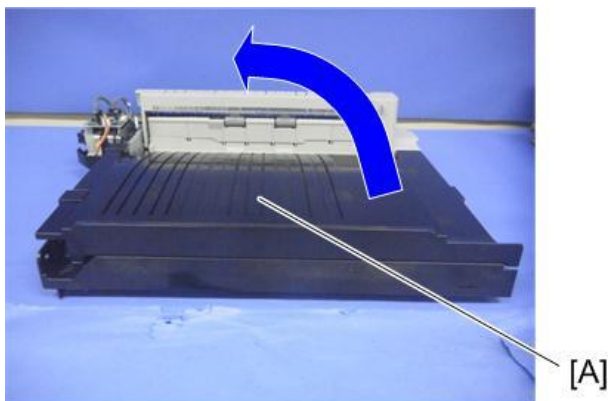


 x4

d0bqm0566

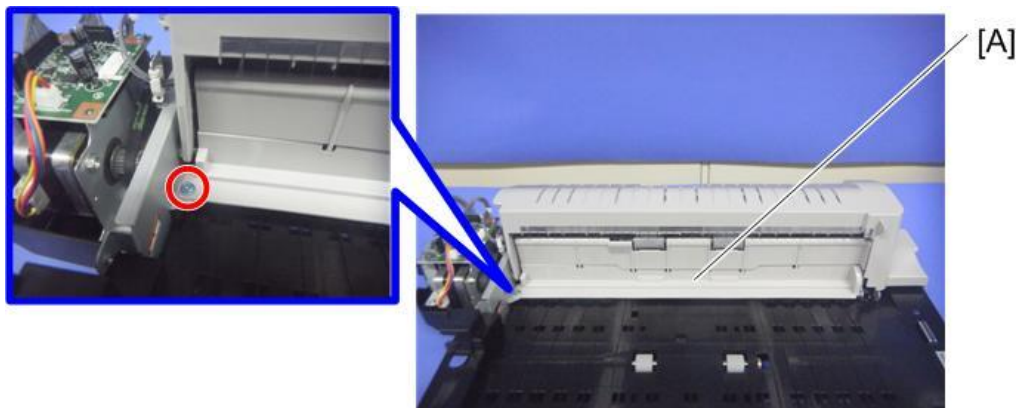
Paper Exit Sensor (S1)

1. Remove the bridge unit. (Drive Motor Unit)
2. Remove the drive motor unit cover. (Drive Motor Unit)
3. Remove the bridge unit rear cover. (Drive Motor Unit)
4. Remove the paper exit tray [A].



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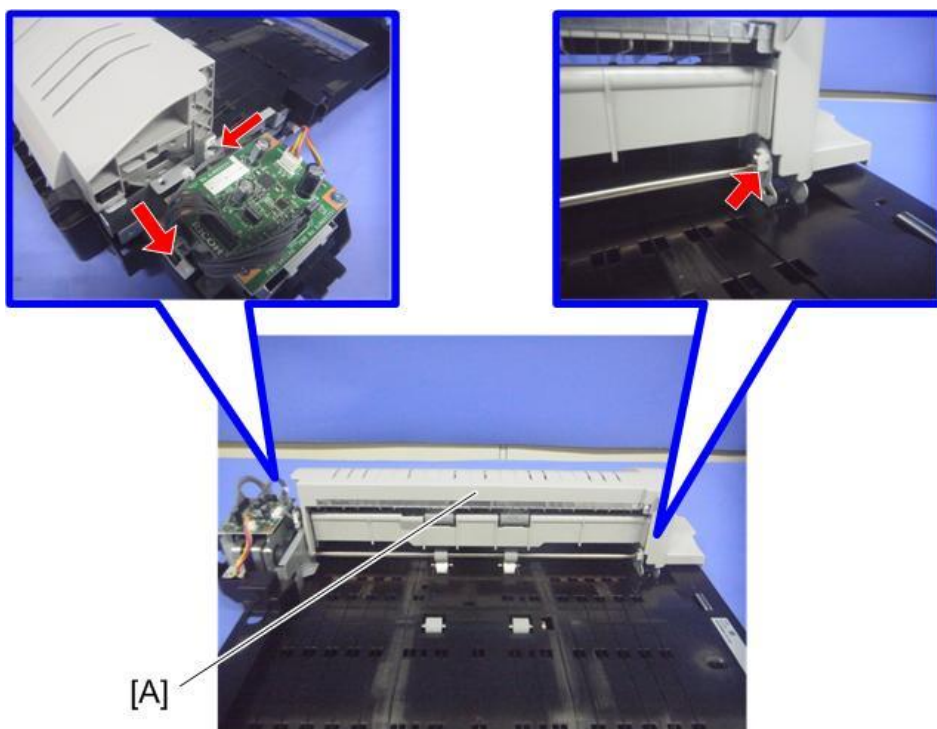
5. Remove the paper exit cover [A] (⌀×1).



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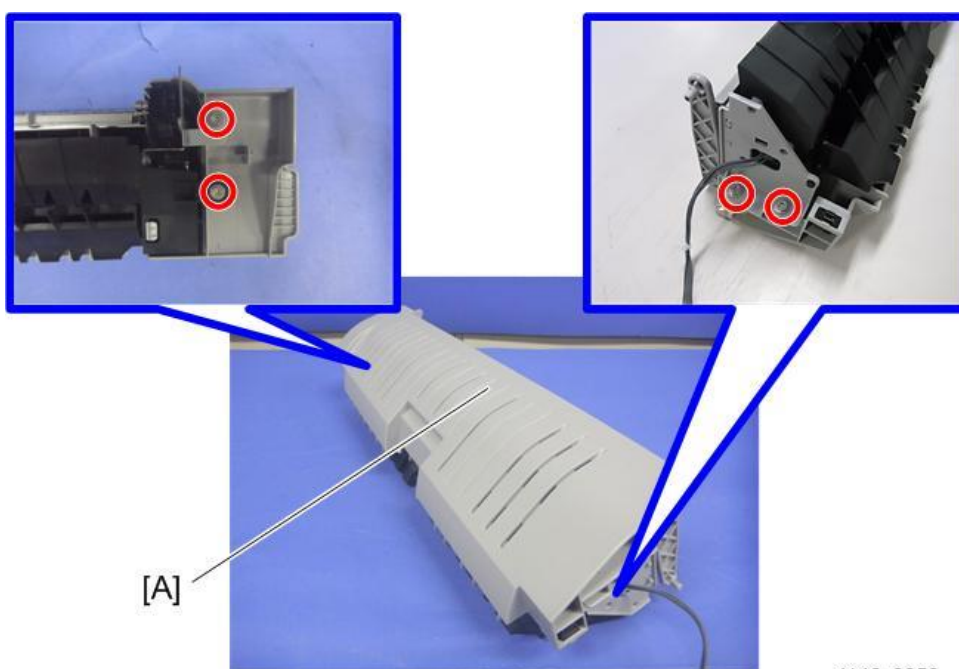
2.Replacement and Adjustment

- 6.** Remove the relay transport unit [A] (⌀×1, ☐×1, ⚙×1).



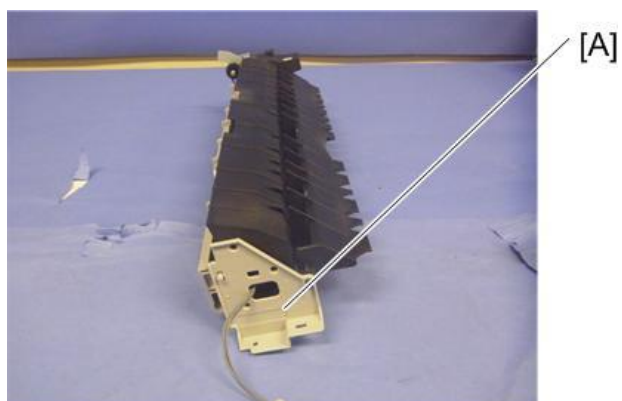
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- 7.** Remove the relay transport unit cover [A] (⌀×4).



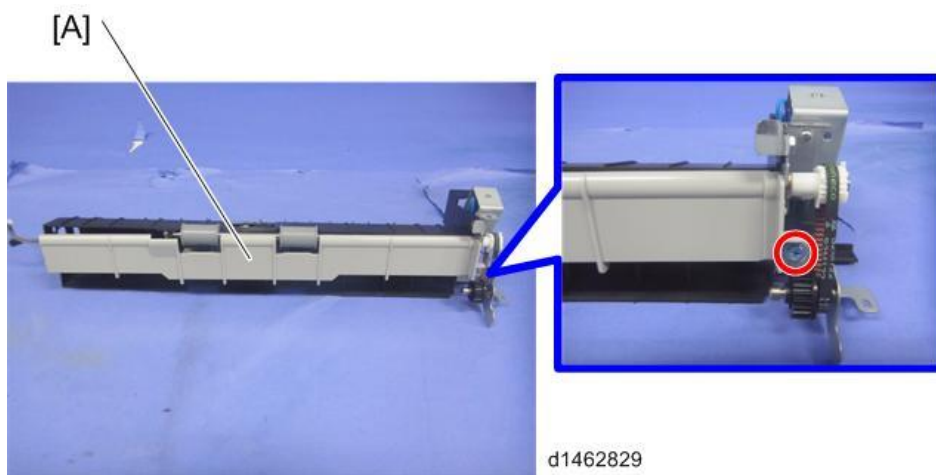
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- 8.** Remove the guide plate [A].



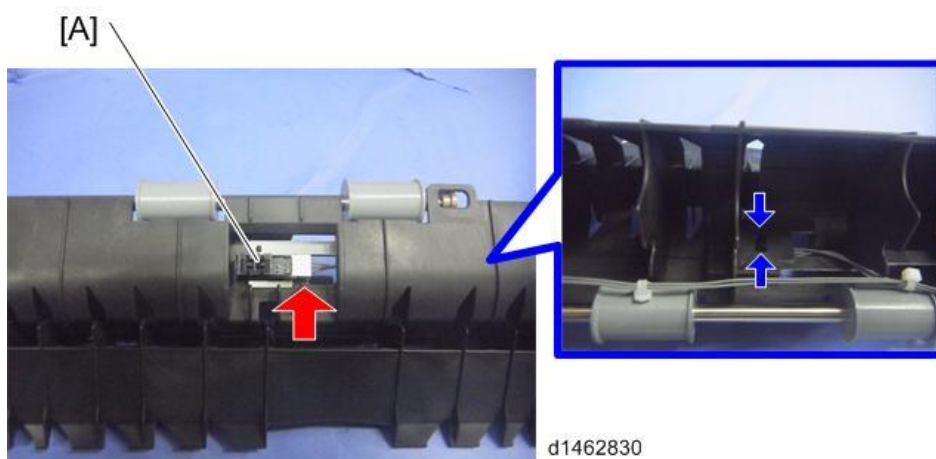
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- 9.** Remove the guide plate [A] (⚙️ ×1).



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- 10.** Remove the paper exit sensor [A] (🔧 ×1).

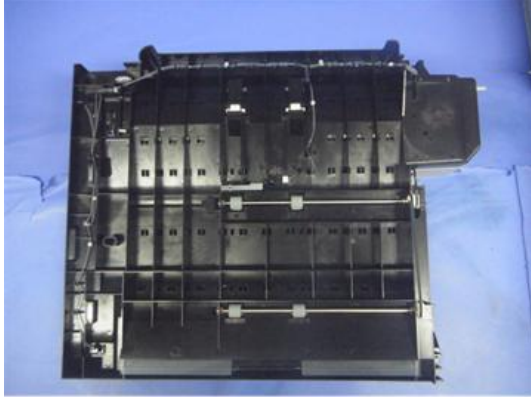


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2.Replacement and Adjustment

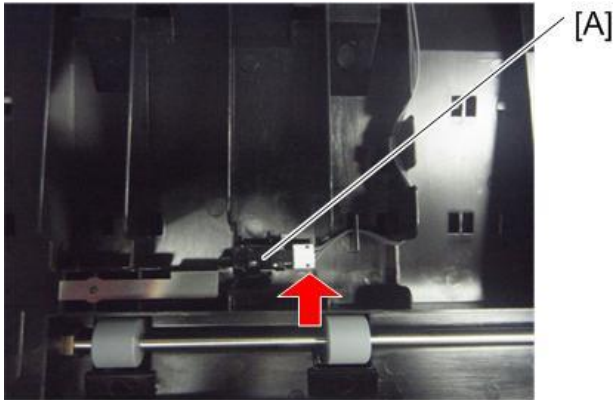
Relay Transport Sensor (S2)

1. Remove the bridge unit. ([Drive Motor Unit](#))
2. Place the unit upside down.



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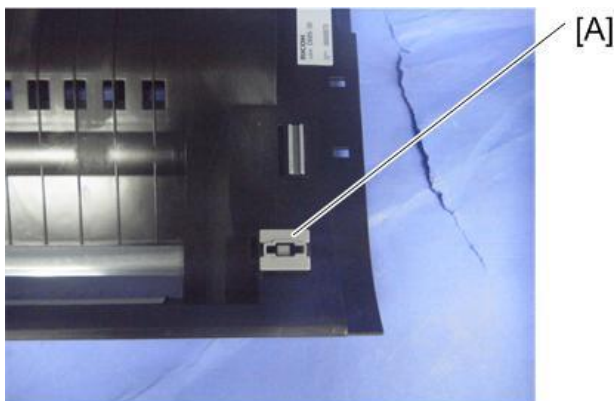
3. Remove the relay transport sensor [A] (📦 ×1).



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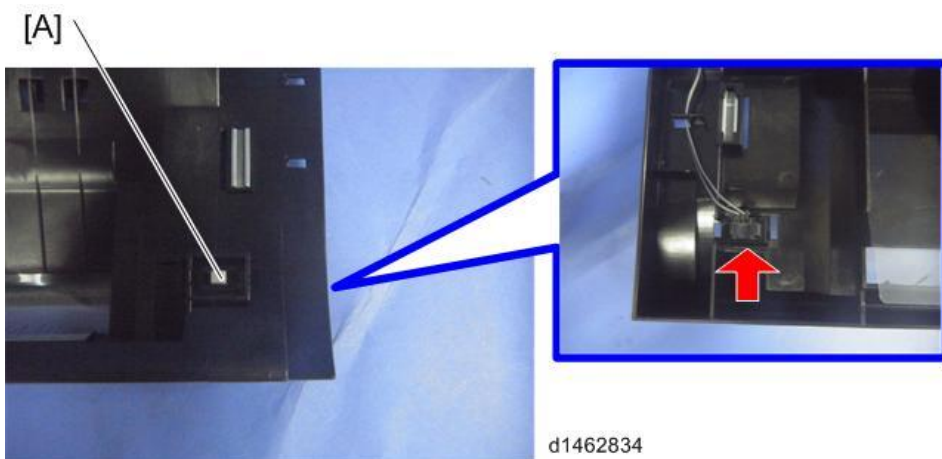
Paper Exit Tray Set Switch (SW1)

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



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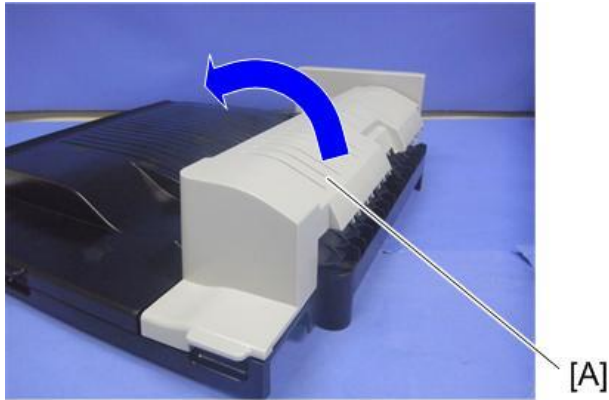
3. Remove the paper exit tray set switch [A] (🔧 ×1).



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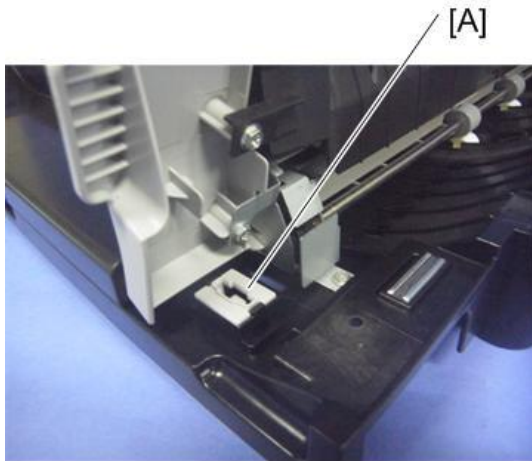
Relay Transport Unit Set Switch (SW2)

1. Remove the bridge unit. ([Drive Motor Unit](#))
2. Open the relay transport unit cover [A].



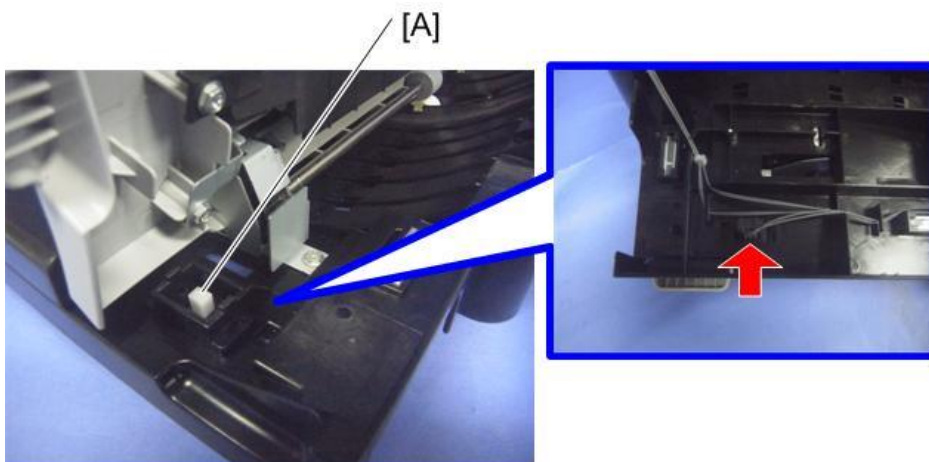
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3. Remove the relay transport unit set switch cover [A].



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4. Remove the relay transport unit set switch [A] (🔧 ×1).



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