

**Bridge Unit BU3070**  
**Machine Code: D685**  
**Field Service Manual**

May, 2016



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# Symbols, Abbreviations and Trademarks

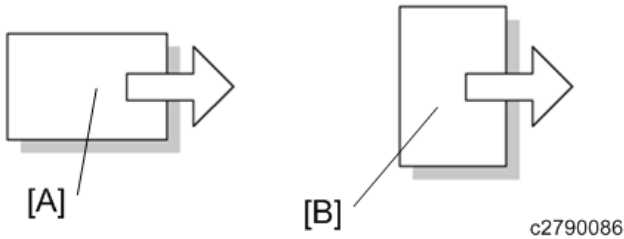
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## Symbols, Abbreviations

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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 [A]
LEF	Long Edge Feed [B]
K	Black
C	Cyan
M	Magenta
Y	Yellow
B/W, BW	Black and White
FC	Full color



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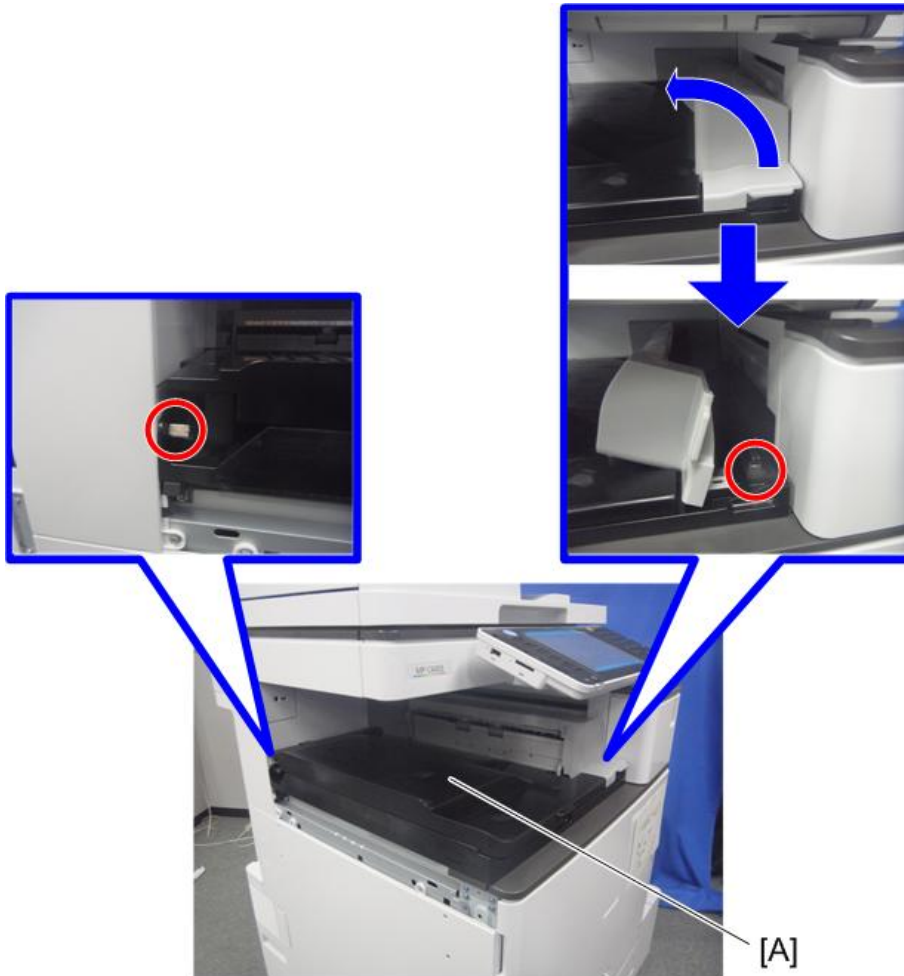


# 1. Replacement and Adjustment

## Drive Motor Unit

1

1. Separate the finisher, and remove the connecting bracket.
2. Bridge unit [A] (🔧×2).



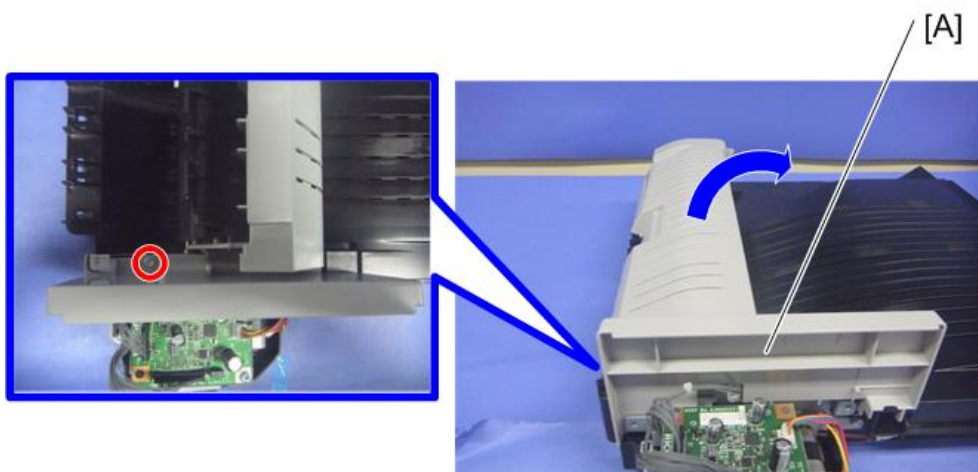
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3. Drive motor unit cover [A] (🔑×2).



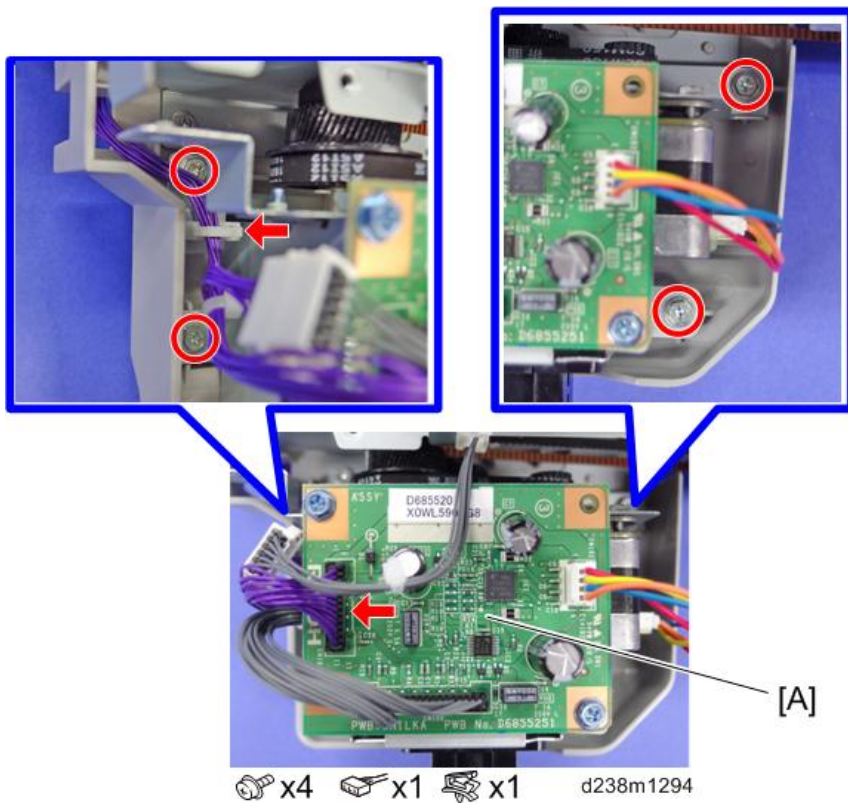
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4. Bridge unit rear cover [A] (🔑×1).



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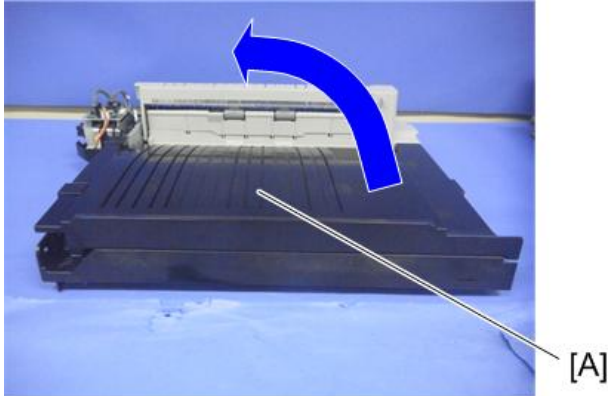
## 5. Drive motor unit [A]



## Paper Exit Sensor

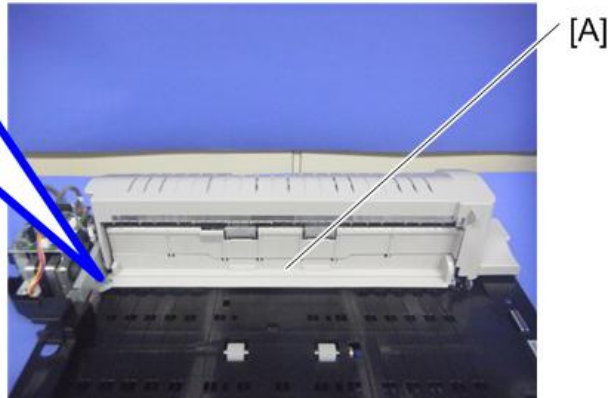
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1. Bridge unit (page 7)
2. Drive motor unit cover (page 7)
3. Bridge unit rear cover (page 7)
4. Paper exit tray [A]



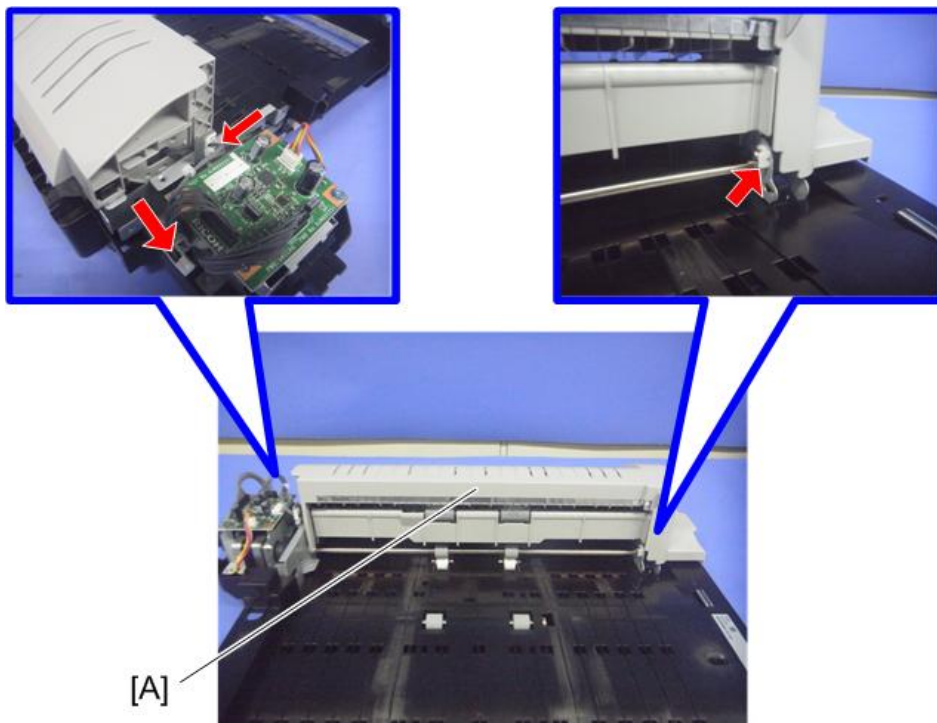
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5. Paper exit cover [A] (⌀ × 1)



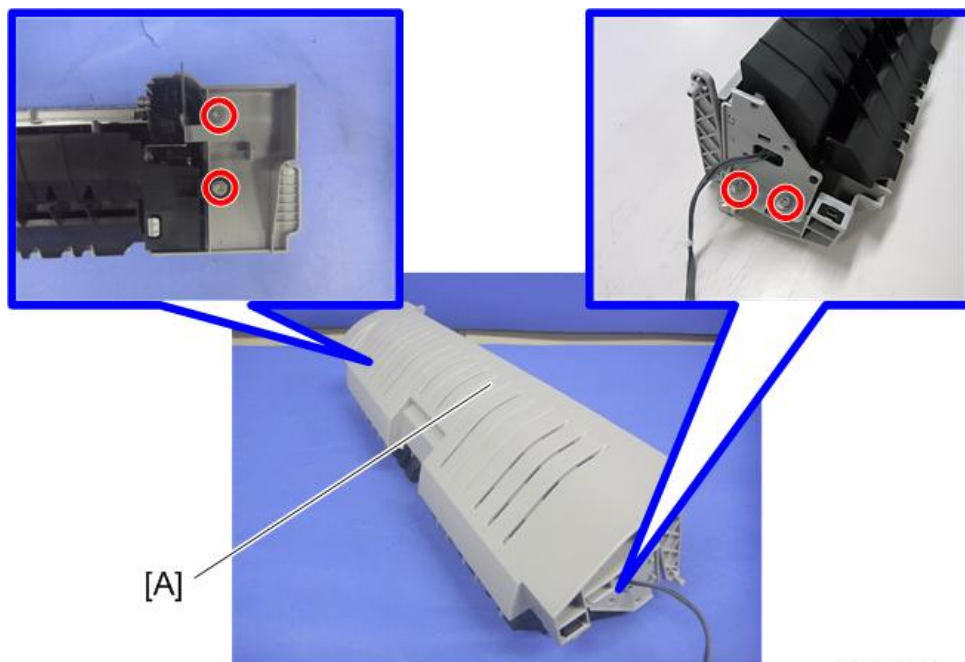
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## 6. Relay transport unit [A] (⌀×1, ☐×1, ⚙×1)



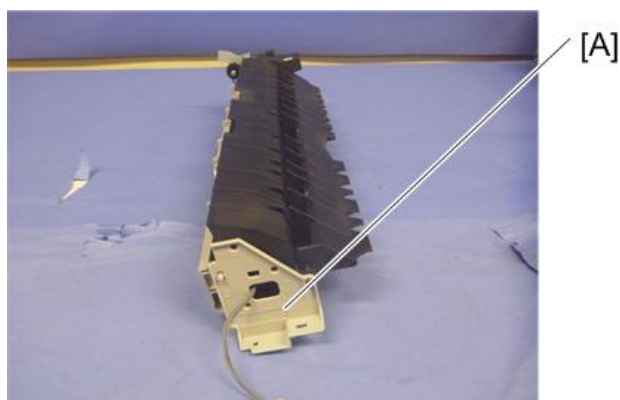
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7. Relay transport unit cover [A] (S ×4)



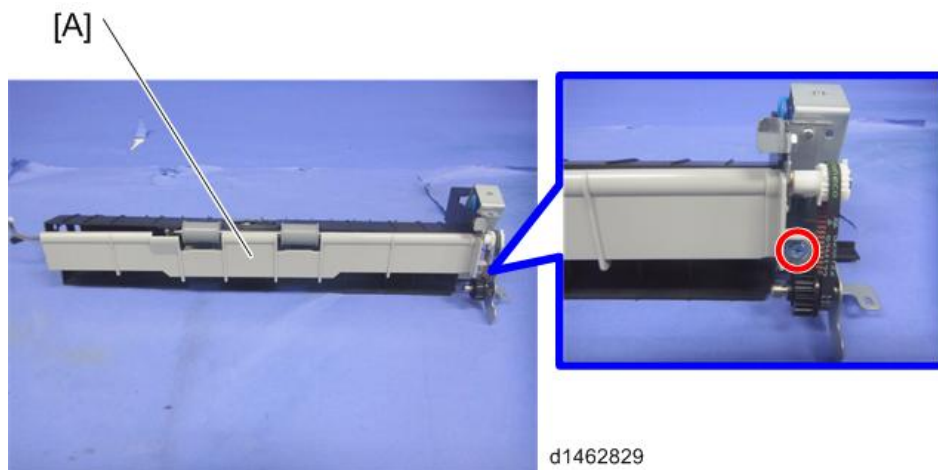
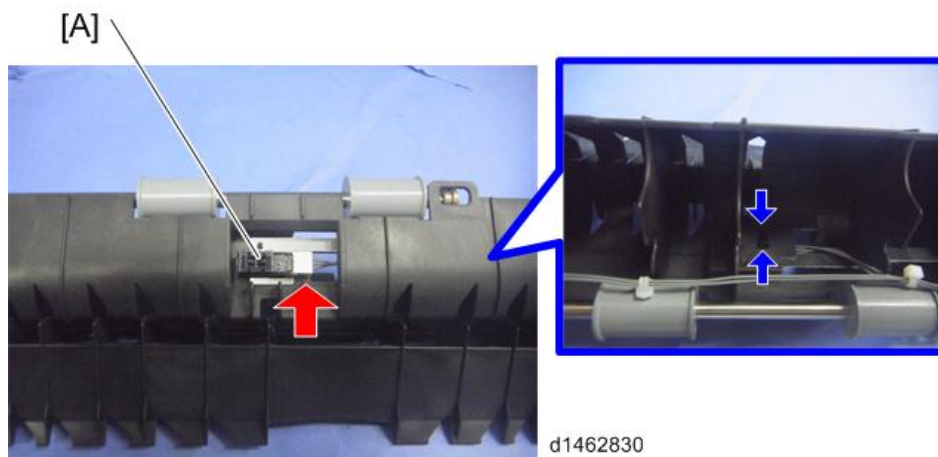
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8. Guide plate [A]



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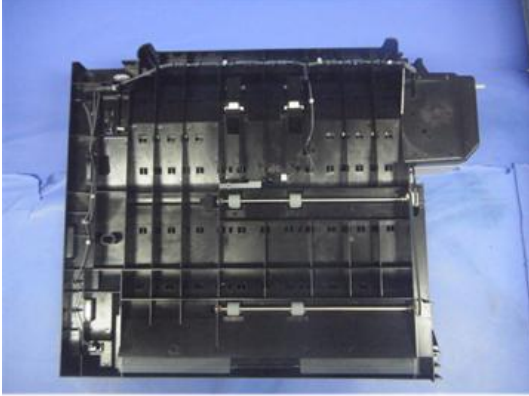


**9. Guide plate [A] (🔩×1)****10. Paper exit sensor [A] (🔧×1)**

## Relay Transport Sensor

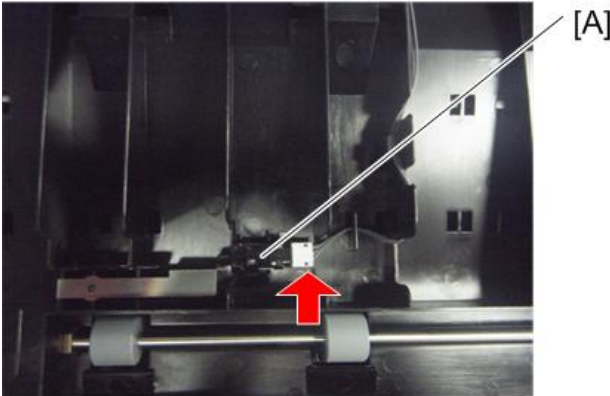
1

1. Bridge unit (page 7)
2. Place the unit upside down.



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3. Relay transport sensor [A] (📦 x1)



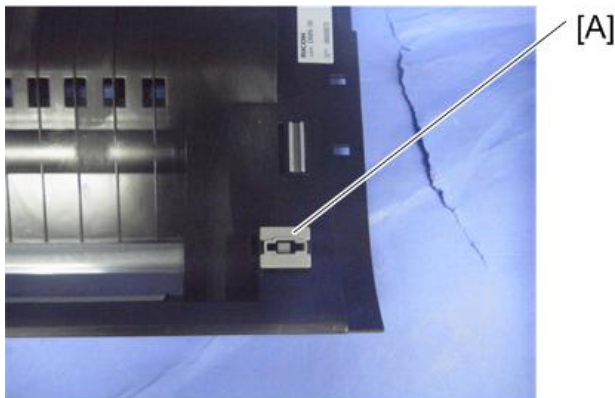
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# Paper Exit Tray Set Switch

1. Paper exit tray (page 10)
2. Paper exit tray set switch cover [A]

1



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3. Paper exit tray set switch [A] (📦 x1)

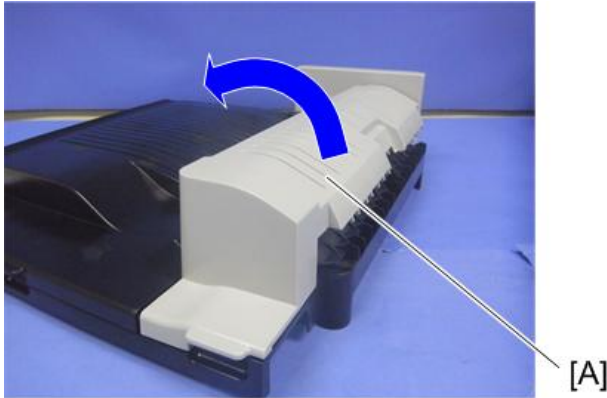


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## Relay Transport Unit Set Switch

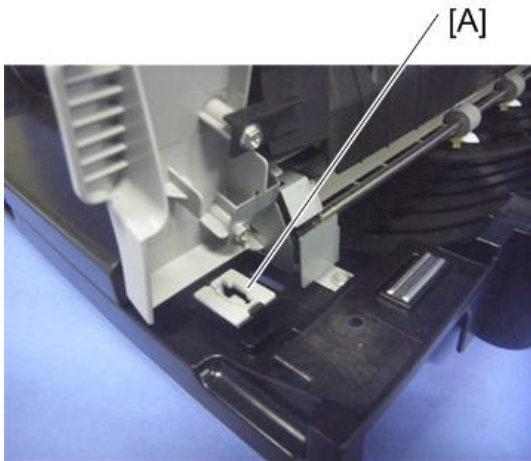
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1. Bridge Unit (page 7)
2. Open the relay transport unit cover [A].



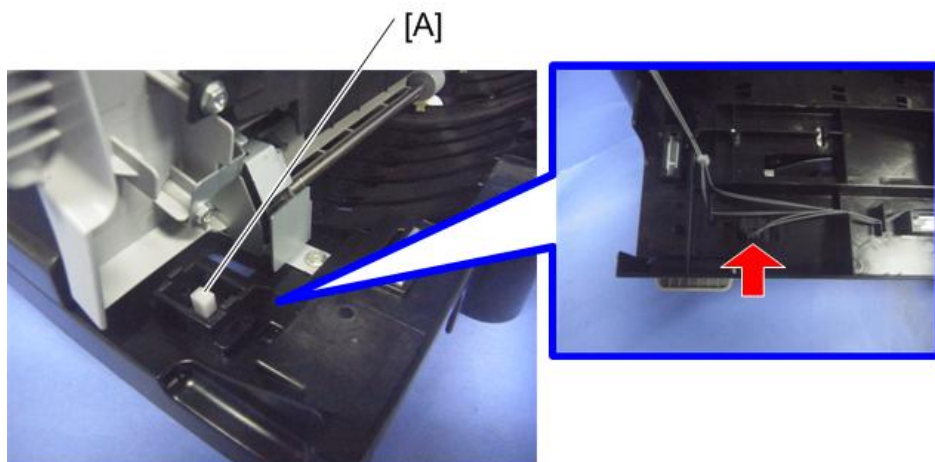
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3. Relay transport unit set switch cover [A]



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4. Relay transport unit set switch [A] (📦 ×1)



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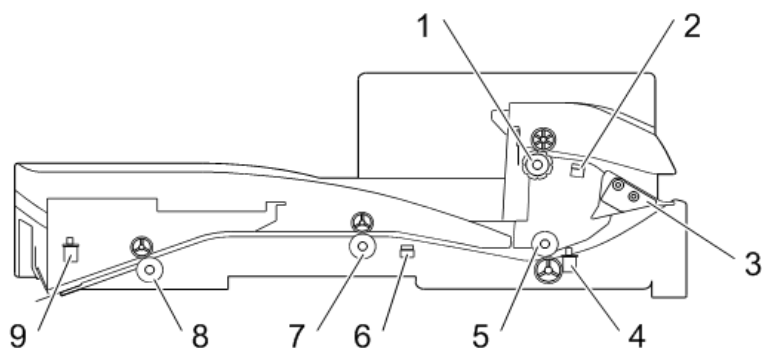


# 2. Detailed Descriptions

## Bridge Unit BU3070 (D685)

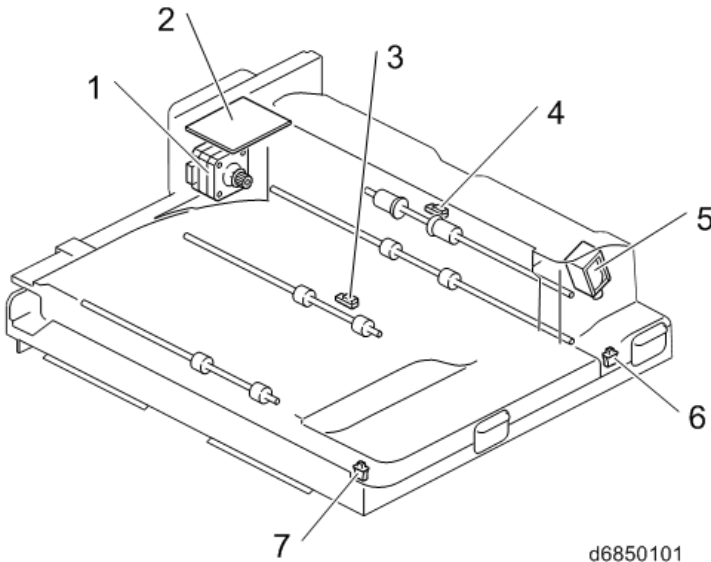
### Parts Layout

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No.	Description	No.	Description
1	Paper exit roller	6	Relay transport sensor
2	Paper exit sensor	7	Transport roller 2
3	Relay junction gate	8	Transport roller 3
4	Relay transport unit set switch	9	Paper exit tray set switch
5	Transport roller 1		

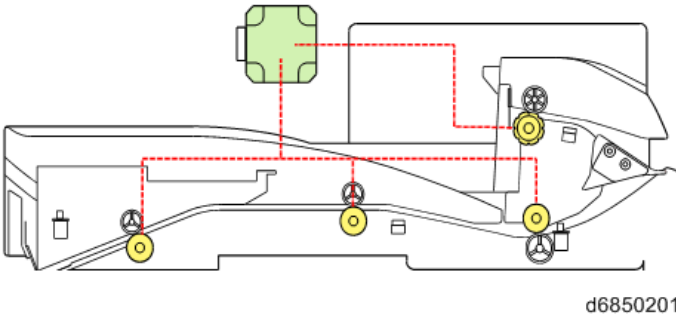


No.	Description	No.	Description
1	Drive motor	5	Relay junction gate solenoid
2	Controller board	6	Relay transport unit set switch
3	Relay transport sensor	7	Paper exit tray set switch
4	Paper exit sensor		

## Mechanism

### Drive Mechanism

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

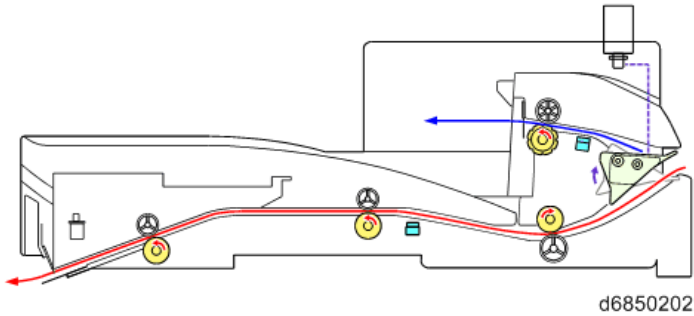


## Paper Transport Mechanism

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 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 sensor in the relay transport path adjusts the timing of feed to the finisher, and detects paper jams.



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