Finisher SR3230
Machine Code: D3BA
Field Service Manual
Ver 1.0

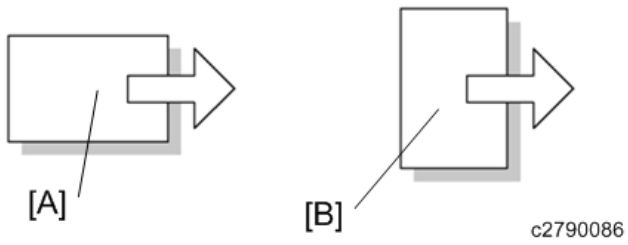
Latest Release: Sep, 2016
Initial Release: Sep, 2016

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

Microsoft® Windows Server® 2012 R2 Foundation

Microsoft® Windows Server® 2012 R2 Essentials

Microsoft® Windows Server® 2012 R2 Standard

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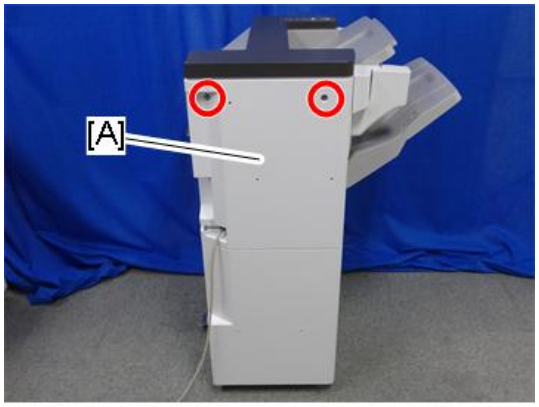
1. Replacement and Adjustment

Covers

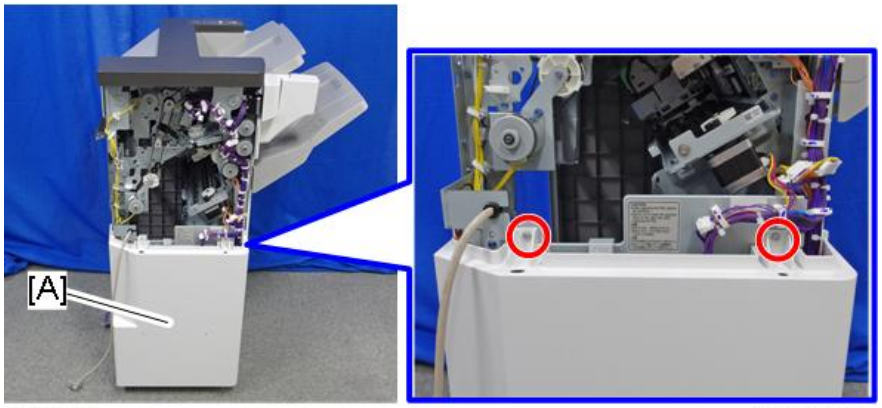
Rear Upper Cover, Rear Lower Cover, Upper Cover

1. Remove the rear upper cover [A].



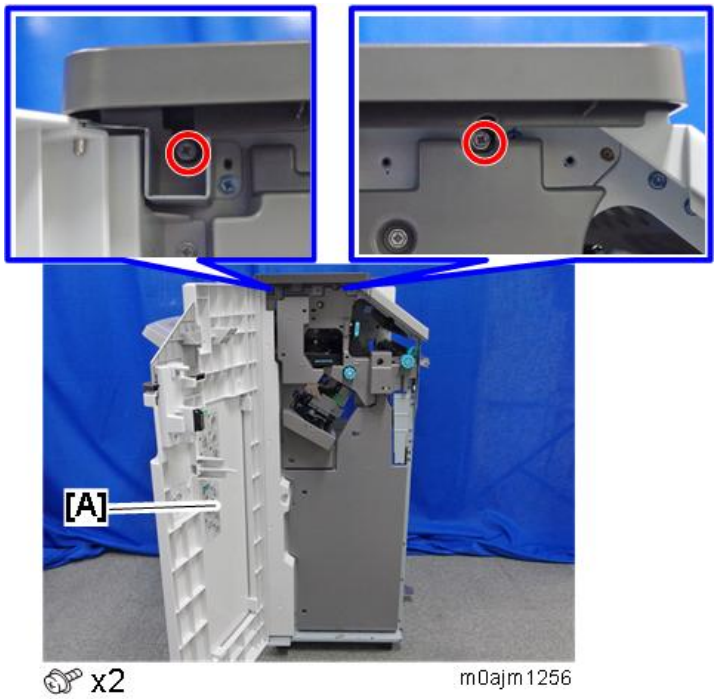
x2 m0ajm1254

2. Remove the rear lower cover [A].

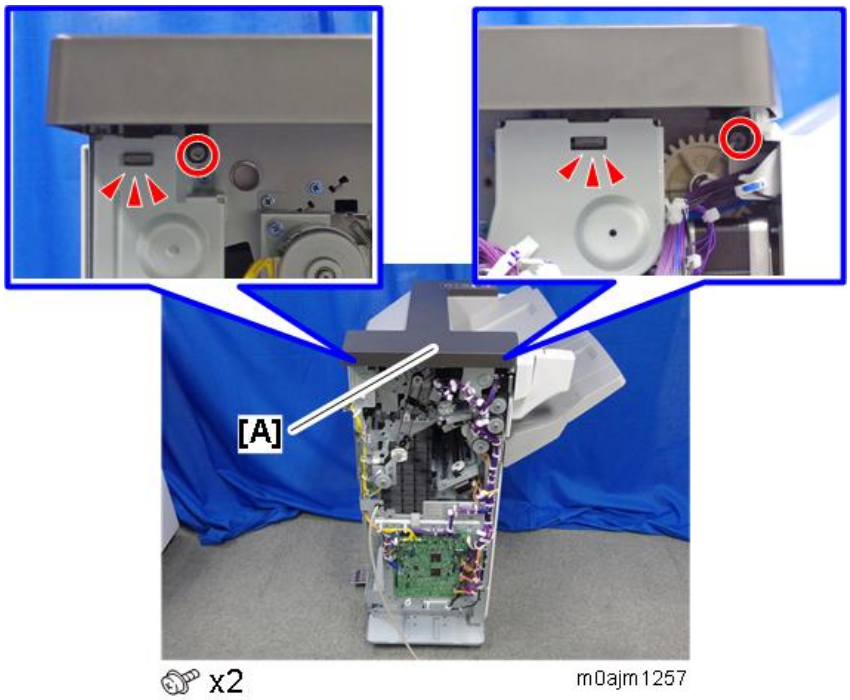


x2 m0ajm1255

3. Open the front door [A], and remove the screws of the upper cover.



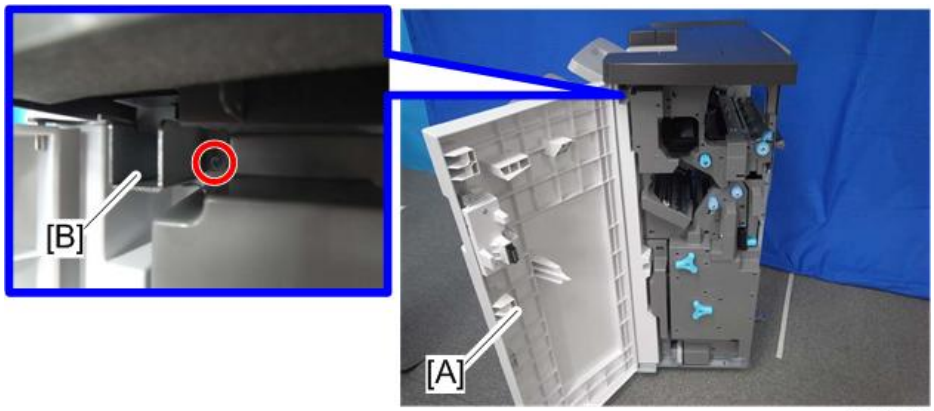
4. Remove the upper cover [A] (hook x 2).



Front Cover, Front Left Side Cover

1. Open the front door [A], and then remove the front door bracket [B] (x 1).

2. Remove the front door [A].



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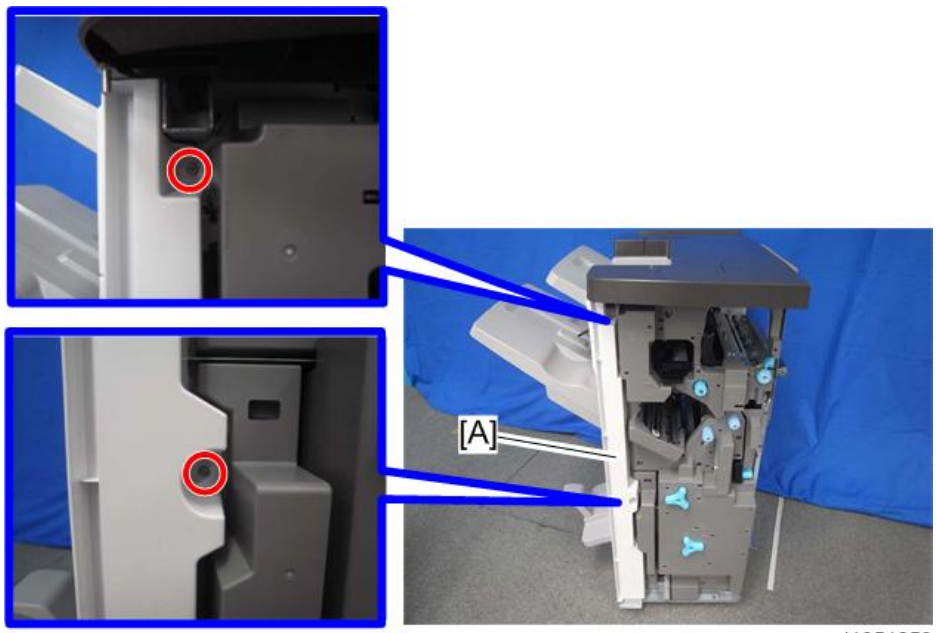
3. Remove the front left side cover [A] (x 2).



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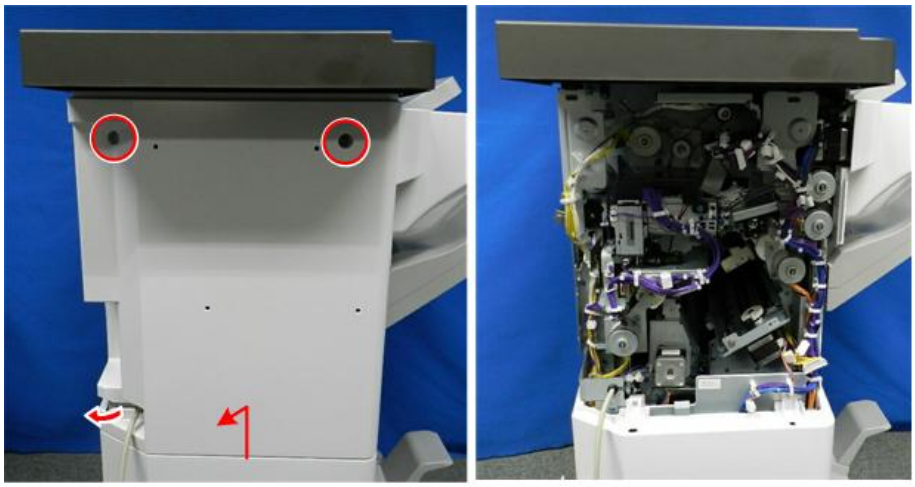
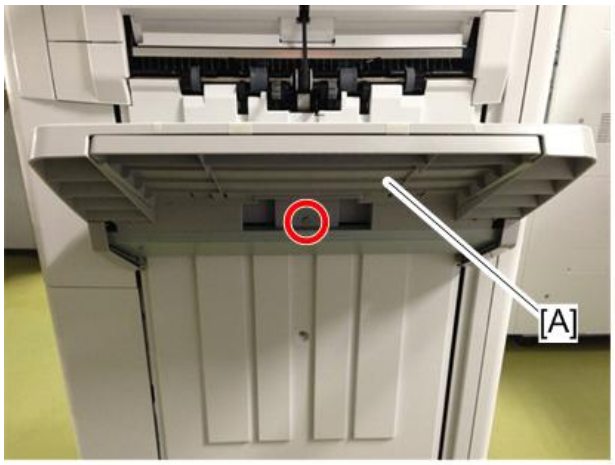
Paper Guide Cover

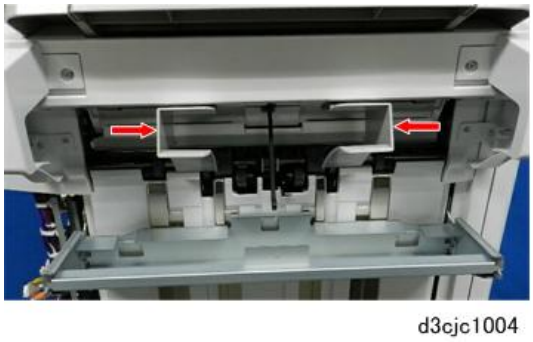
1. Remove the rear upper cover.



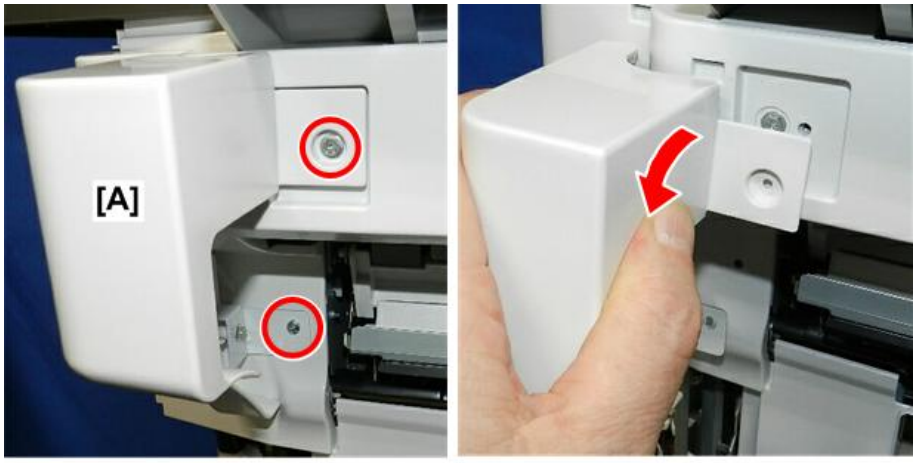
2. Remove the shift tray [A] (x1).



3. Push the guides in to the center.

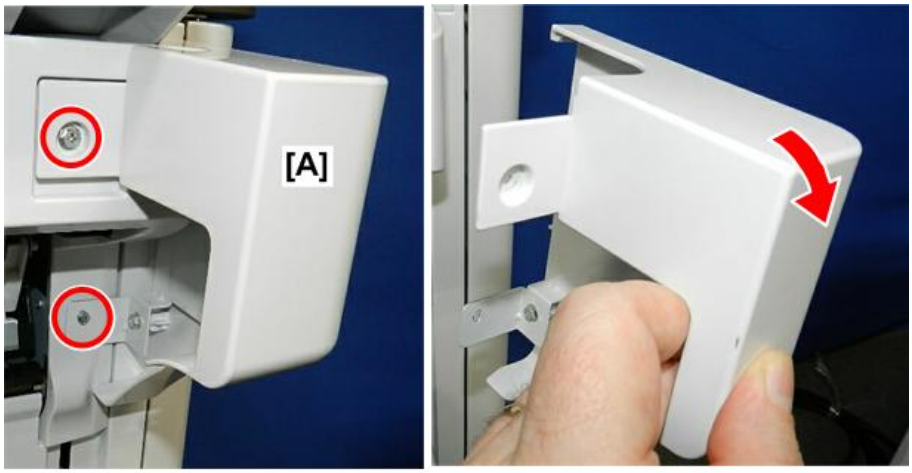


4. Remove the rear paper guide cover [A] (x2).



d3cjc1005a

5. Remove the front paper guide cover [A] (x2).



d3cjc1006a

6. Remove the paper guide cover [A] screws (x2).

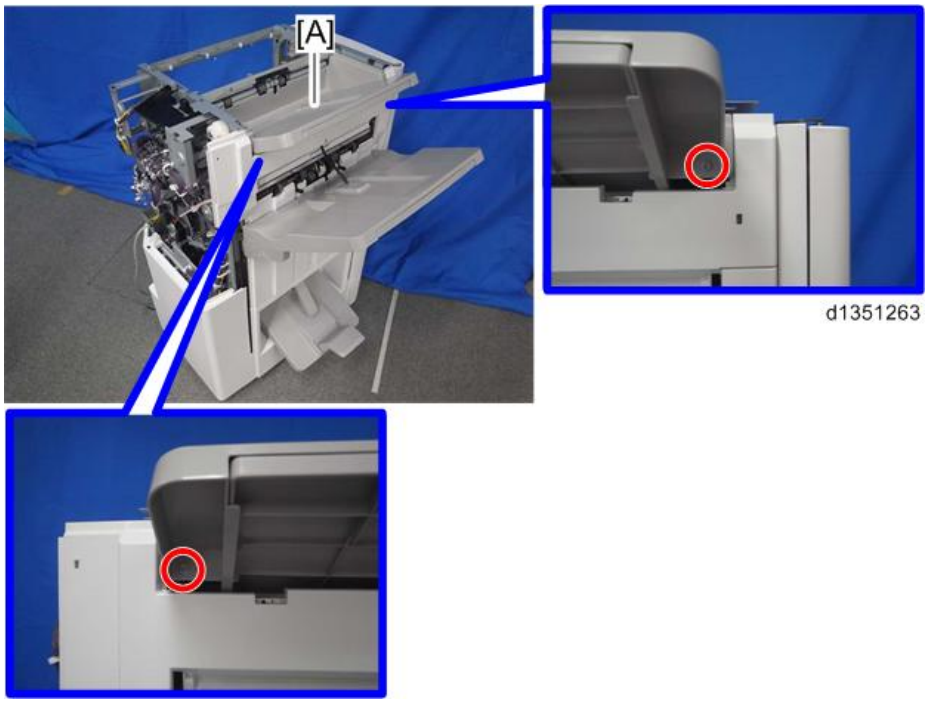
d3cjc1007a

7. Disconnect the front tab, and then remove the cover.

d3cjc1008a

Proof Tray

1. Remove the following covers.
   - Rear upper cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
   - Upper cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
2. Remove the proof tray [A] (x 2).



d1351263

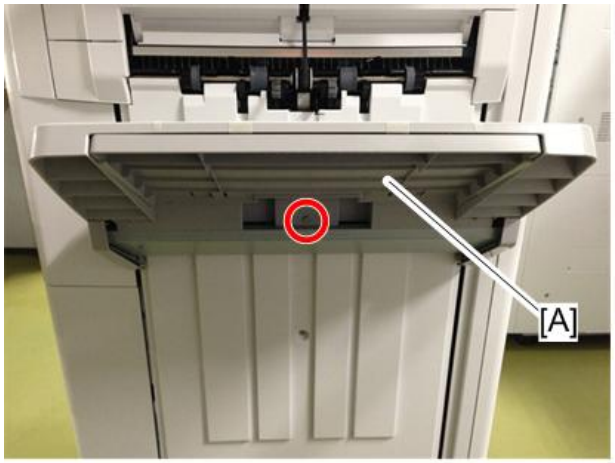
Shift Tray

1. Remove the shift tray [A] (x 1).

d1351267

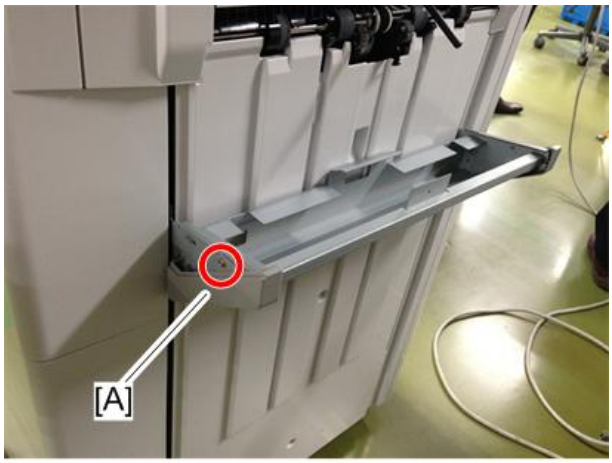
Left Cover

1. Remove the shift tray [A] (x 1).



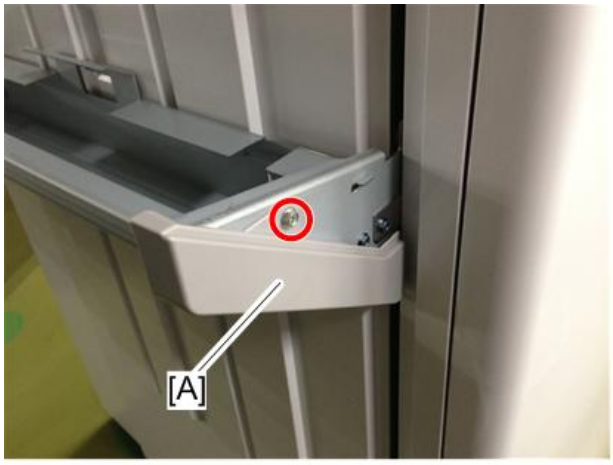
d1351777

2. Remove the rear mold bracket [A] (x 1).



d1351778

3. Remove the front mold bracket [A] (x 1).



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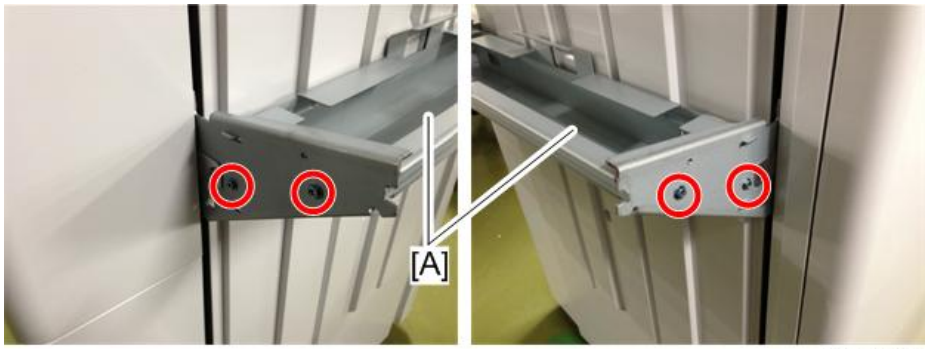
4. Remove the shift tray bracket [A] (x 4).



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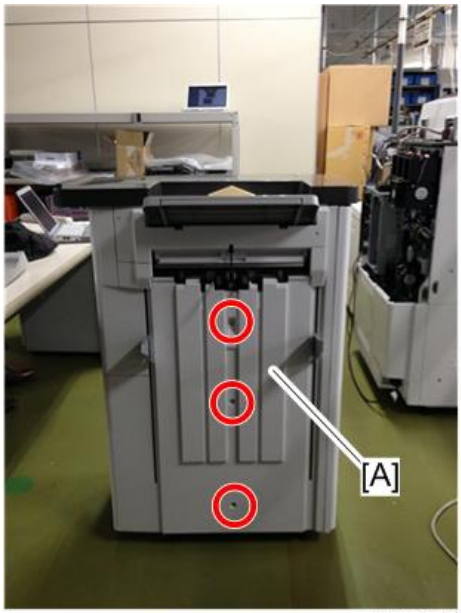
5. Remove the left cover [A] (x 3).

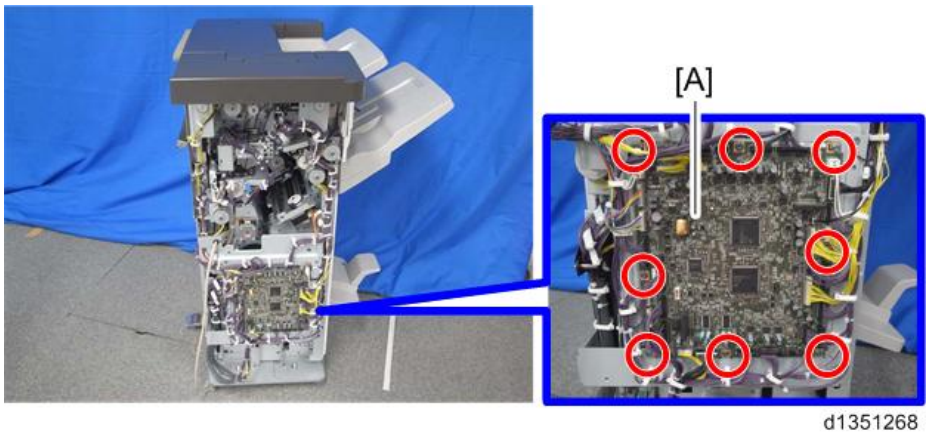


d1351781

Boards

Main Board

1. Remove the following covers.
   - Rear upper cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
   - Rear lower cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
2. Remove the main board [A] (x 8, connector x all).

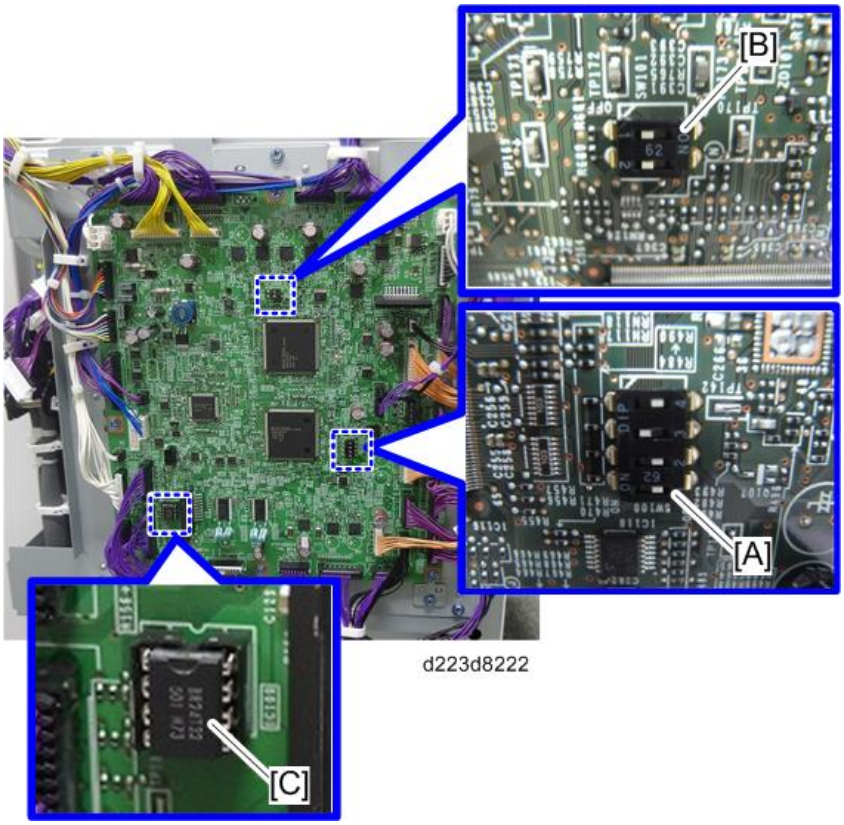


When replacing the main board

This board has two blocks of dip switches. When you reinstall the main board, follow the procedure below regarding the dip switch settings.

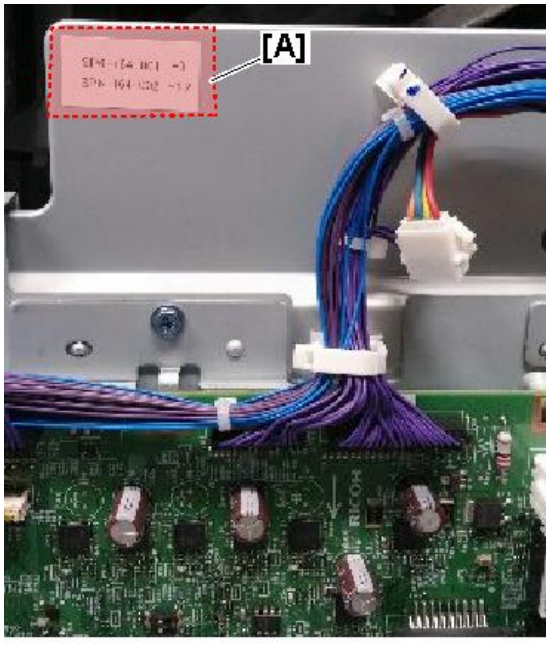
1. Check the settings of dip switch [A] on the old main board.
2. Replace the main board.
3. Change the settings of dip switch [A] on the new main board to match the settings on the old main board.
4. Make sure the switches of dip switch [B] on the new main board are all OFF.

5. Remove the EEPROM [C] from the old board and install it on the new board.



d223d8222

6. Locate the label [A] attached near the right corner of the board.



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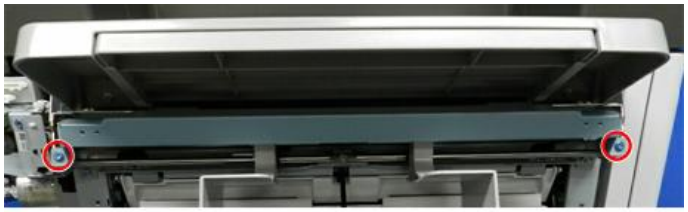
7. Go into the SP mode, open these SP codes, and then enter the numbers you see on the label.
   - SP6121-001 NV Adj. Data: Jog Position: Factory Adj.
   - SP6121-002 NV Adj. Data: Fold Position: Factory Adj.

Paper Guide

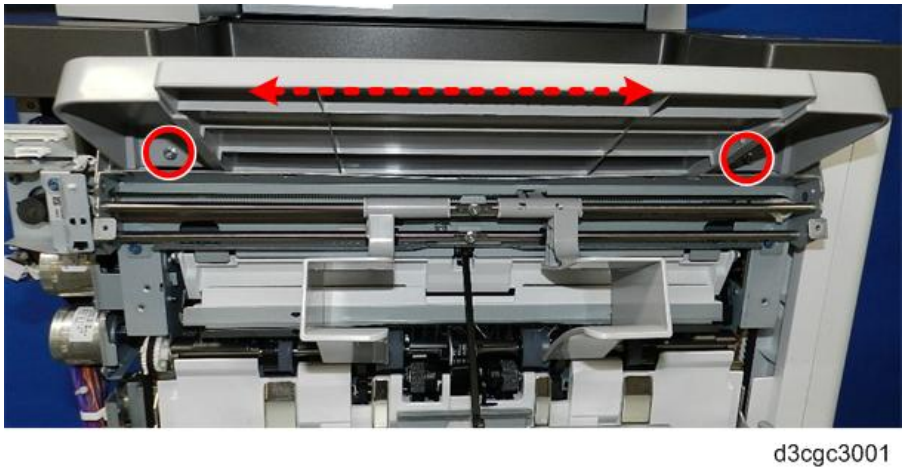
Paper Guide Unit

1. Remove the paper guide covers. (Paper Guide Cover)
2. Disconnect the cover support bracket.



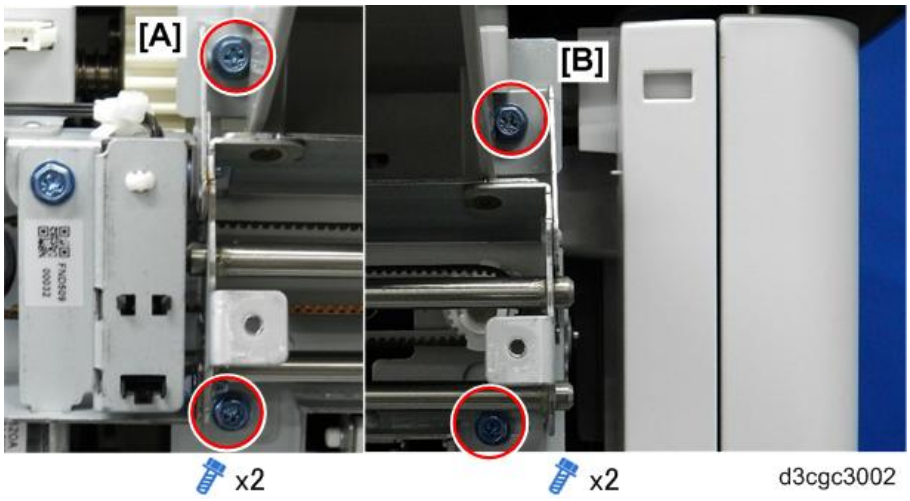
3. Remove the cover support bracket.

4. **Loosen** (do not remove) the screws on both ends of the paper exit. This will loosen the tray so that you can move the tray slightly side-to-side; then you can remove the bracket screws more easily.

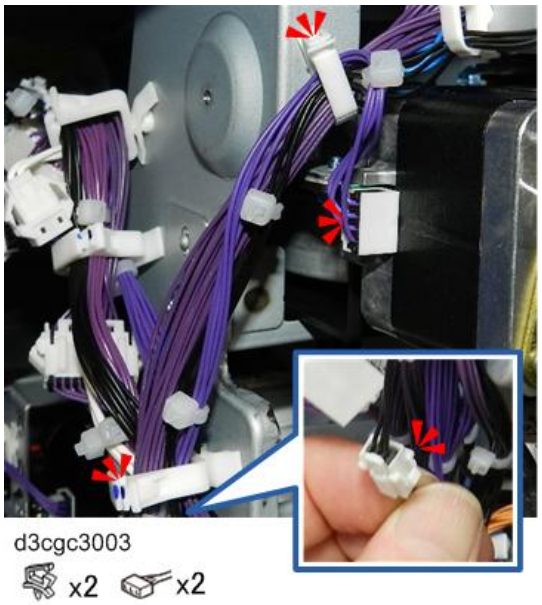


5. Disconnect the rear end of the paper guide unit bracket [A].

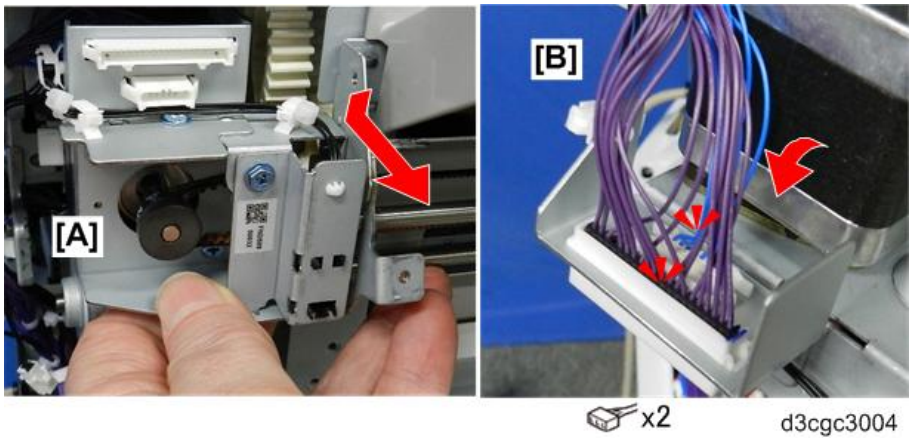
6. Disconnect the front end of the paper guide unit bracket [B].



7. At the rear, open the clamps and disconnect the motor and sensor harnesses.

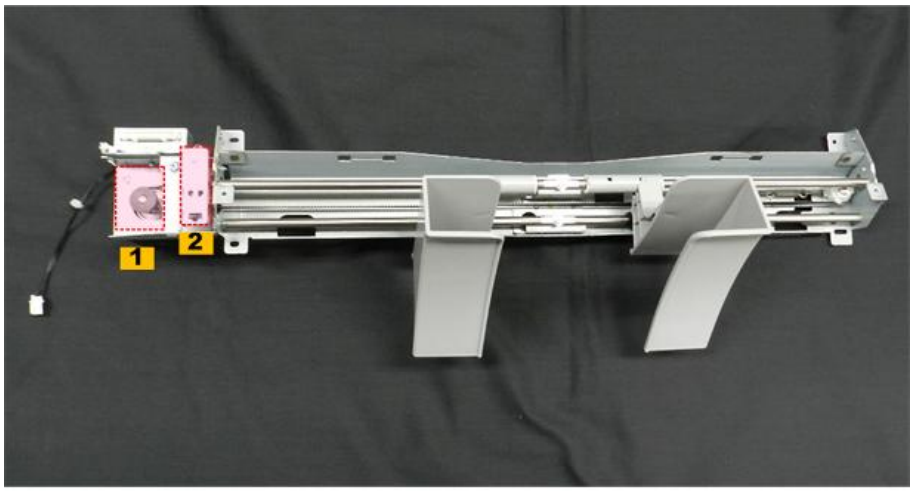


8. Hold the unit bracket with both hands, lower the rear end [A], roll it toward you slightly, and then disconnect the harnesses [B].



9. Lay the unit on a flat clean surface so that you can see the paper guide motor [1] and paper guide position

sensor bracket [2].

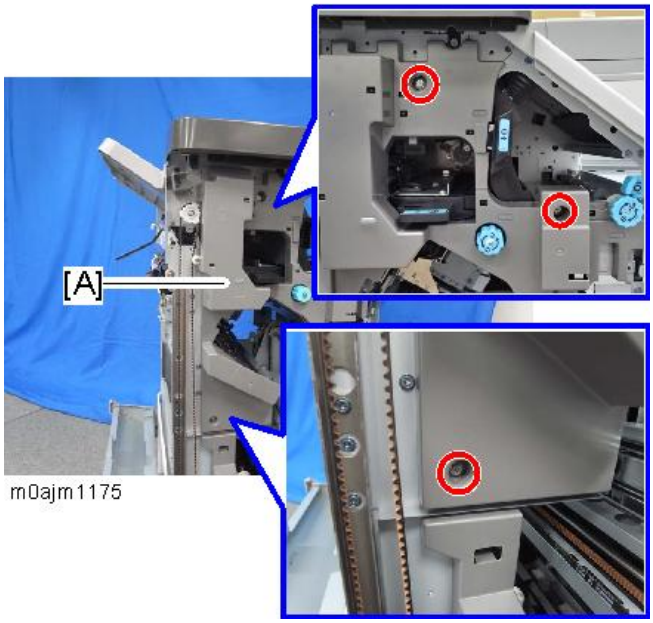


d3cgc3005

Main Motors

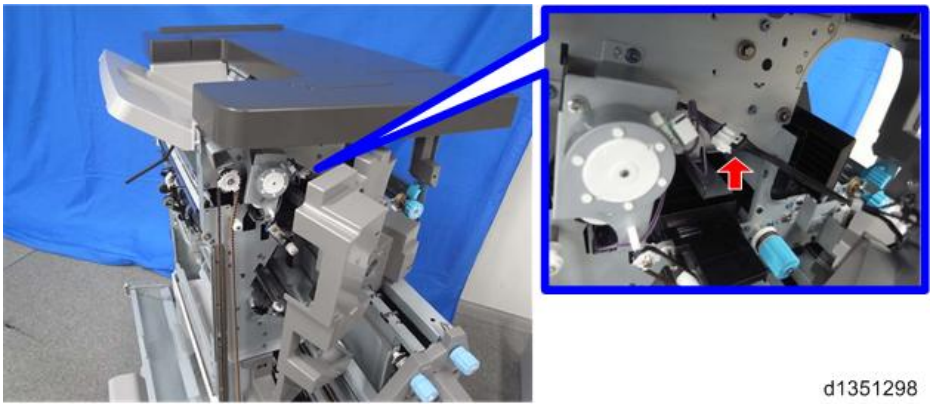
Corner Stapling Unit

1. Remove the following covers.
   - Front cover (Front Cover, Front Left Side Cover)
   - Front left side cover (Front Cover, Front Left Side Cover)
   - Left cover (Left Cover)
   - Rear upper cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
   - Rear lower cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
2. Remove the inner upper cover [A] (x 3).

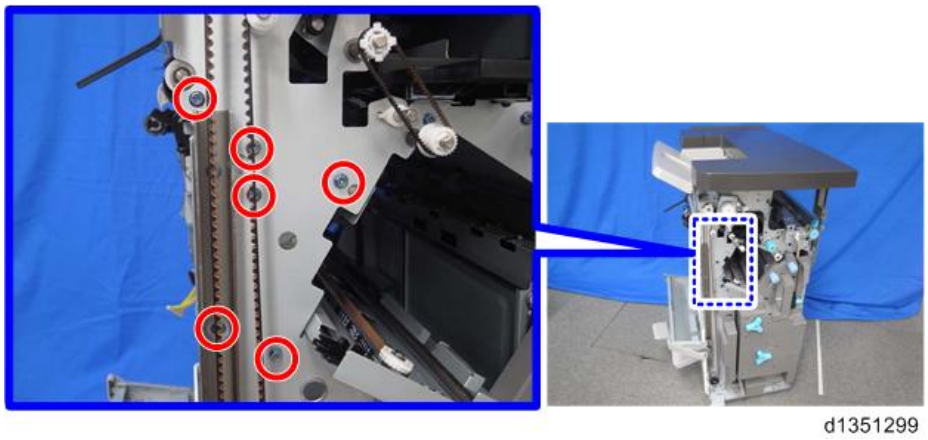


Note

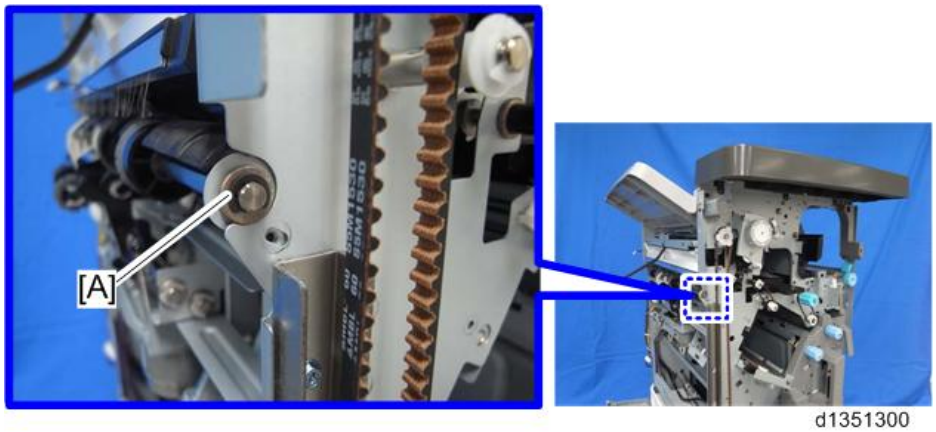
- Disconnect the harness from the back side of the inner upper cover when you remove the inner upper cover.



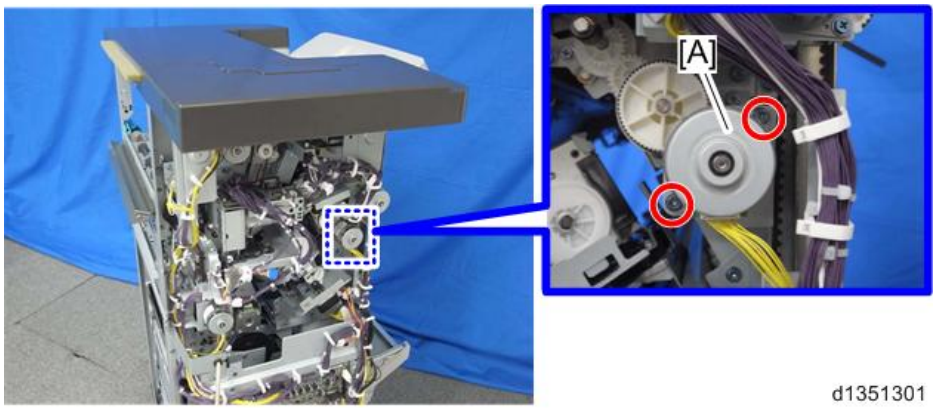
3. Remove 6 screws from the front side of the finisher (x 6).



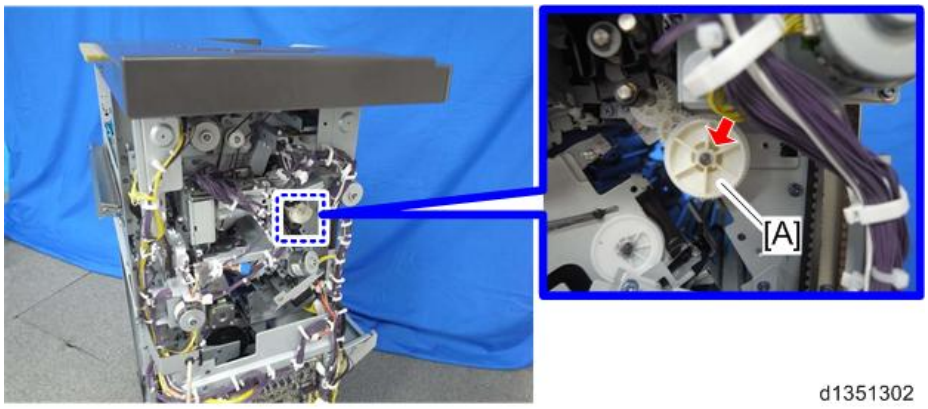
4. Remove the bushing [A] from the front side of the finisher (C-ring x 1).



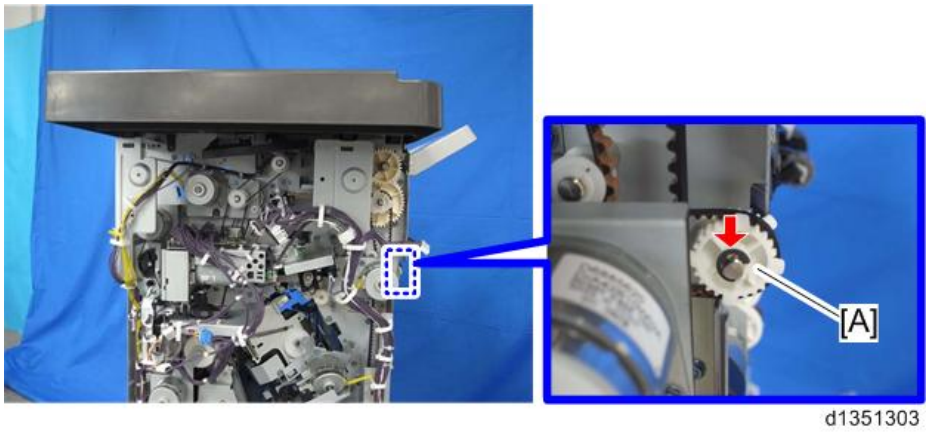
5. Remove the pressure release motor bracket [A] from the rear side of the finisher (x 2).



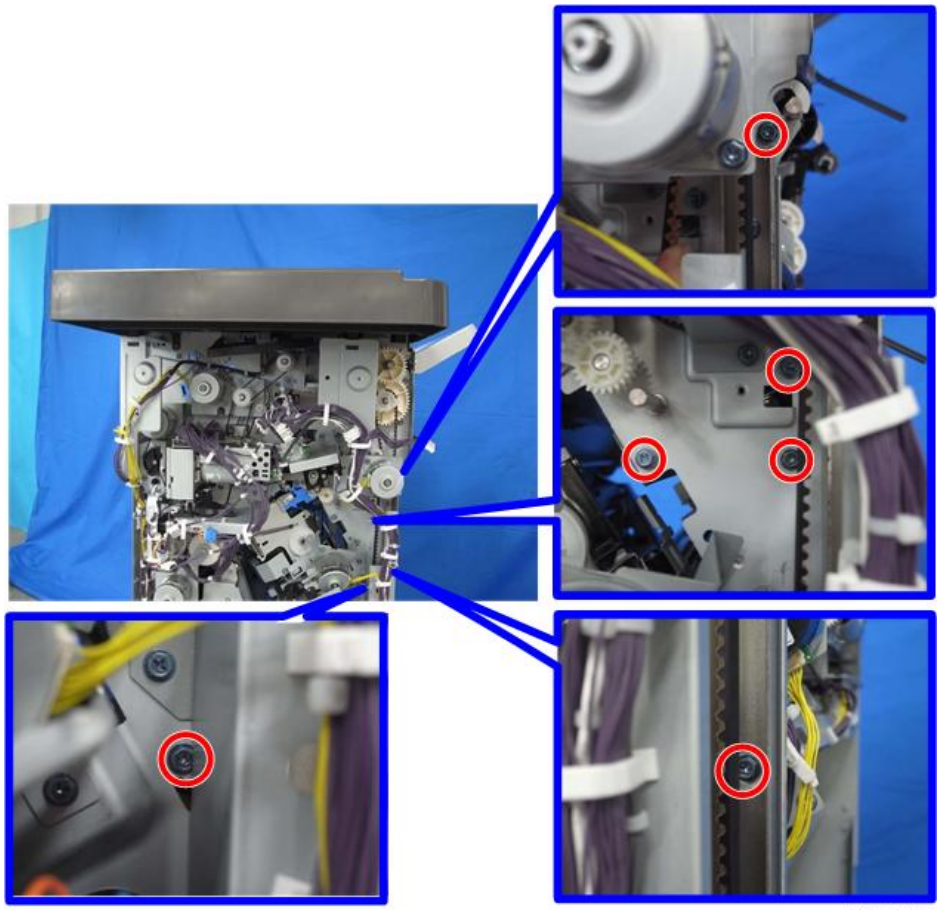
6. Remove the gear [A] from the rear side of the finisher (snap-fit x 1).



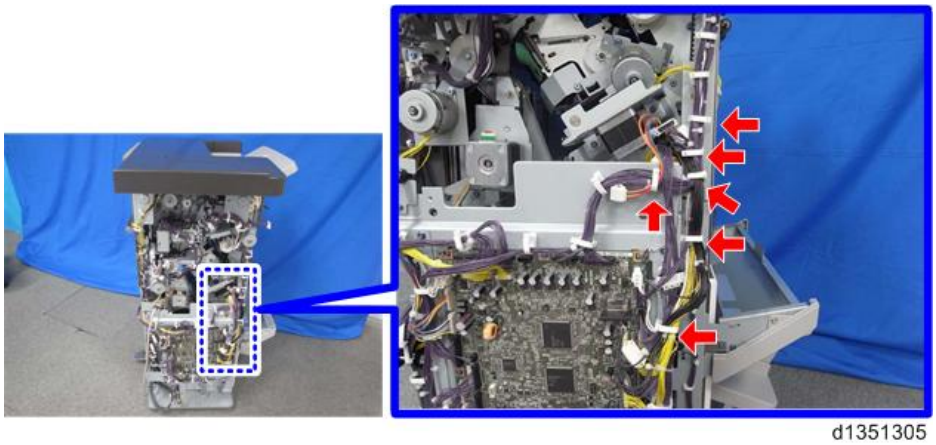
7. Remove the pulley [A] from the rear side of the finisher (C-ring x 1).



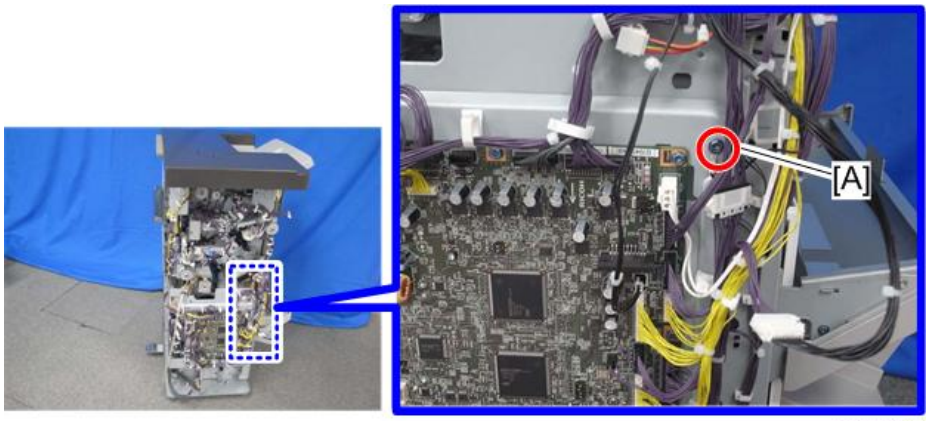
8. Remove 6 screws from the rear side of the finisher (x 6).



9. Open the clamps shown below (x 6).



10. Disconnect the ground wire [A] of the main board (x 1).



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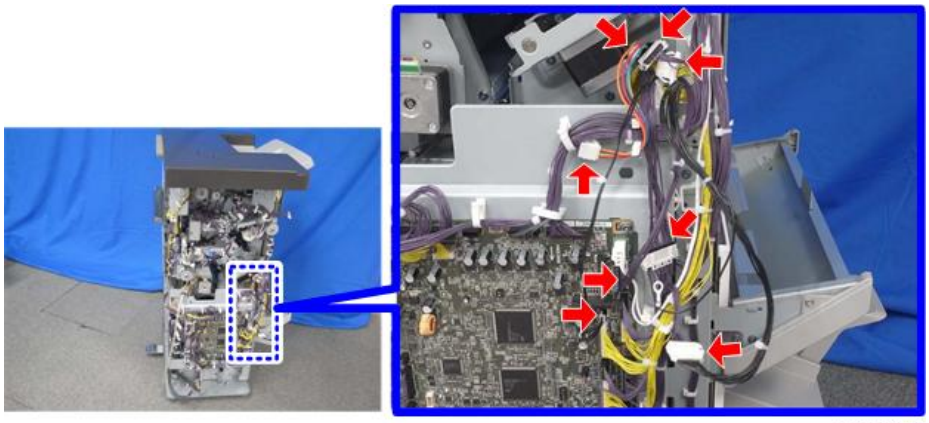
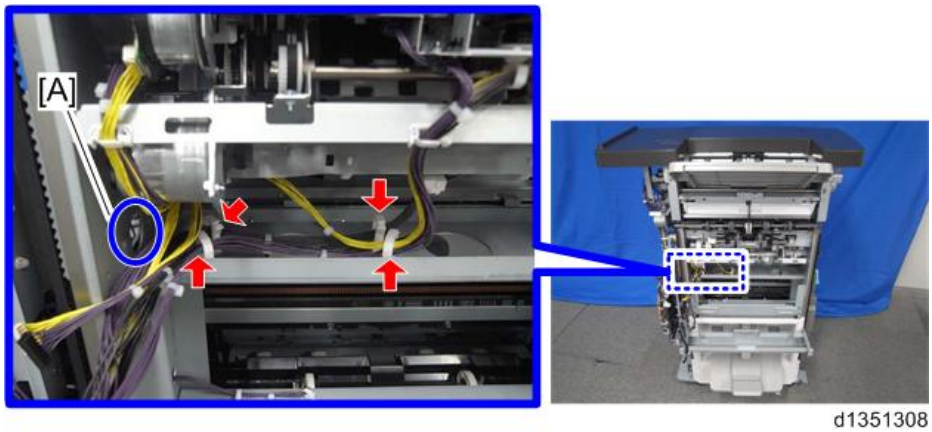
11. Disconnect the connectors shown below (x 8).



d1351307

12. Pull out the harnesses disconnected in step 11 to the right side of the finisher through the hole [A].
13. Remove the harness from the clamps (x 4).



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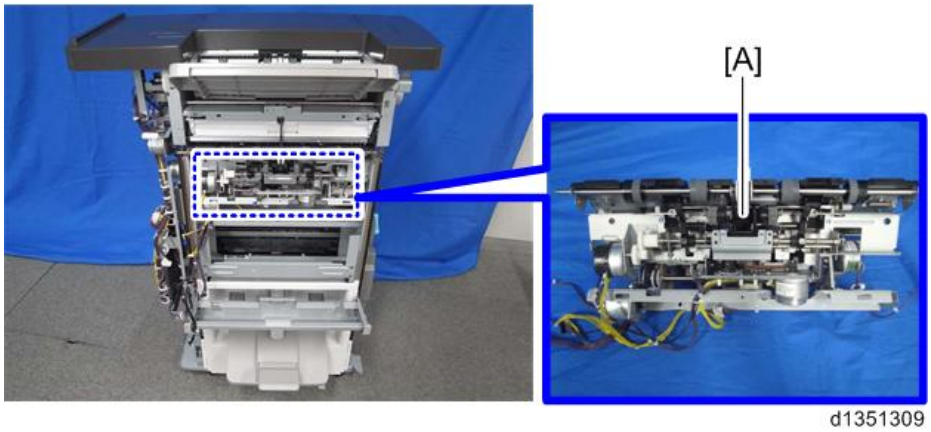
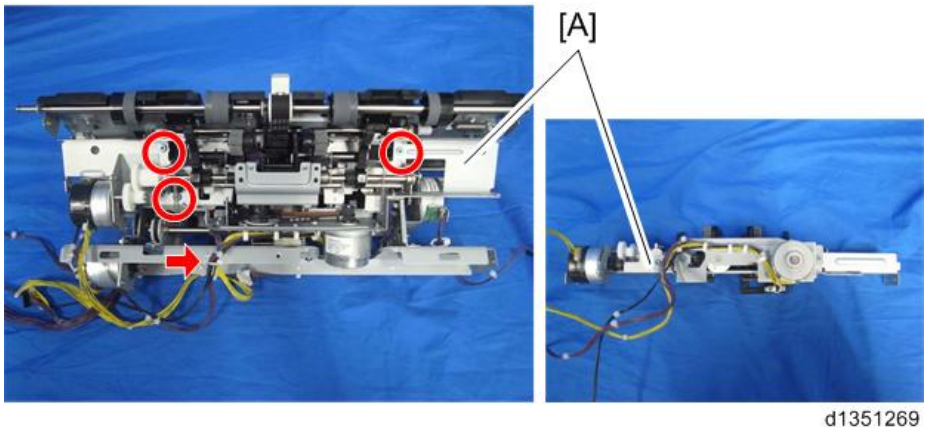
14. Remove the corner stapling unit [A] from between the front and left plate.

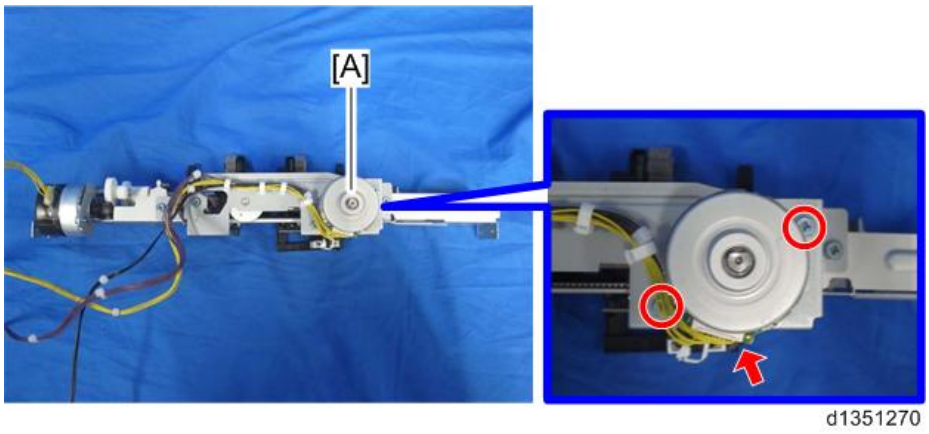


Paper Exit Gate Motor

1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the stapler bracket [A] (x 3, x 1).



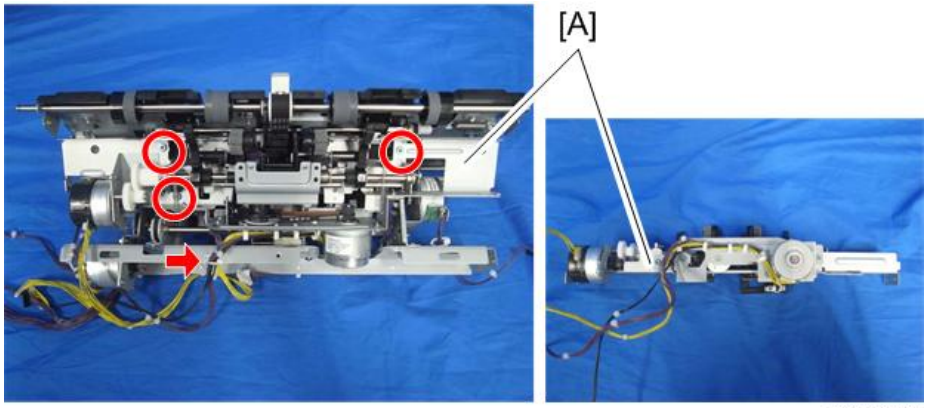
3. Remove the paper exit gate motor [A] (x 2, x 1).



Leading Edge Guide Motor

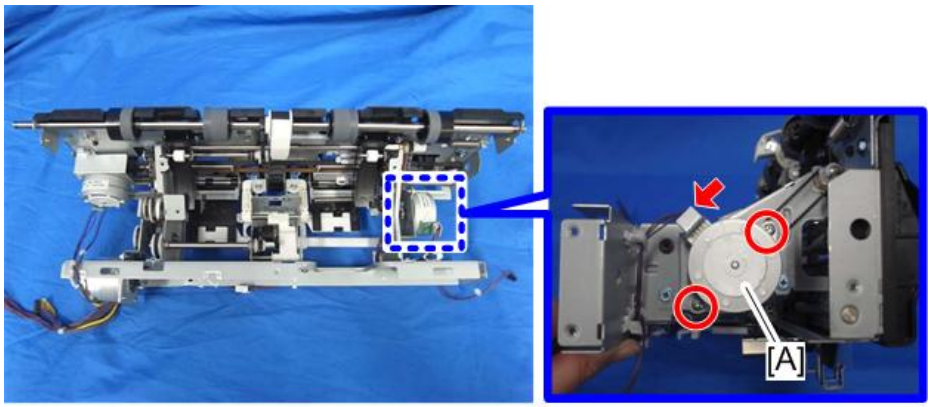
1. Remove the corner stapling unit. (Corner Stapling Unit)

2. Remove the stapler bracket [A] (x 3, x 1).



d1351269

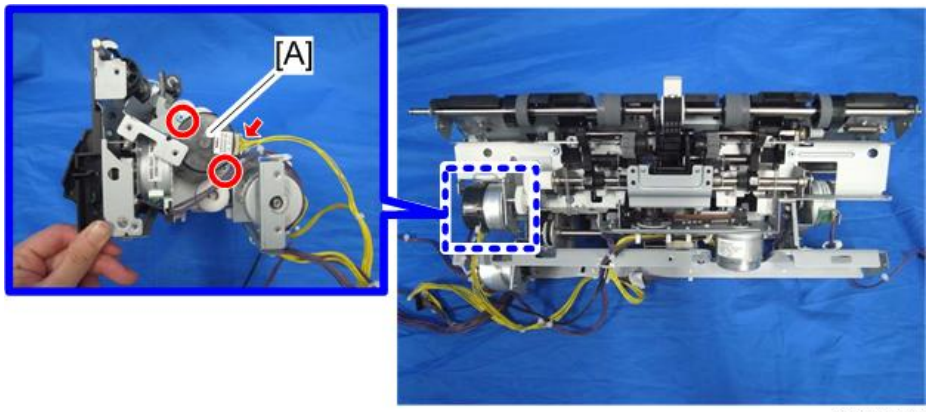
3. Remove the leading edge guide motor [A] (x 2, x 1).



d1351271

Trailing Edge Pressure Plate Motor

1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the trailing edge pressure plate motor [A] (x 2, x 1).

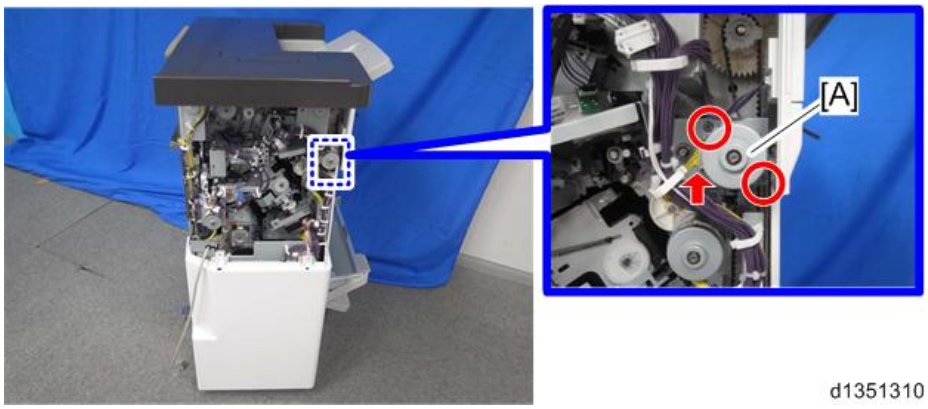


d1351272

Stacking Roller Motor

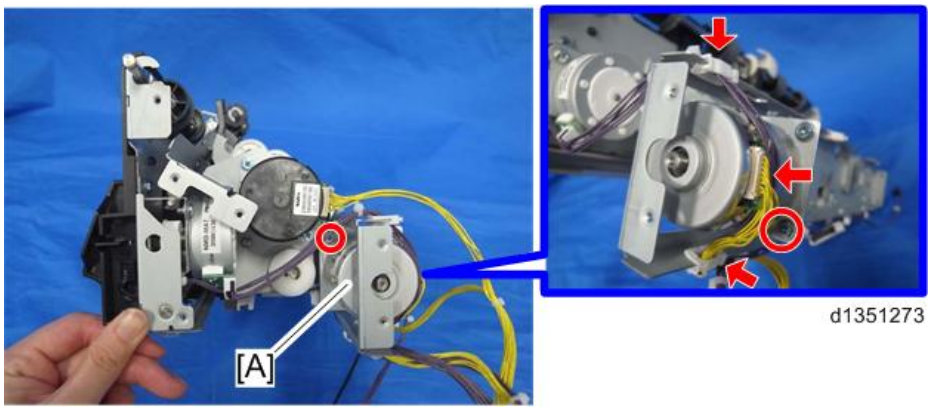
1. Remove the rear upper cover. (Rear Upper Cover, Rear Lower Cover, Upper Cover)

2. Remove the stacking roller motor [A] (x 2, x 1).



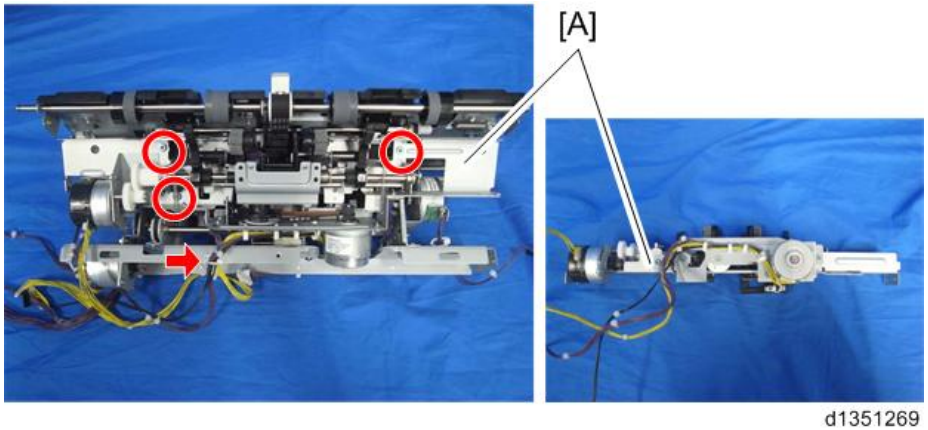
Feed Out Motor

1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the feed out motor [A] (x 2, x 1, x 2).



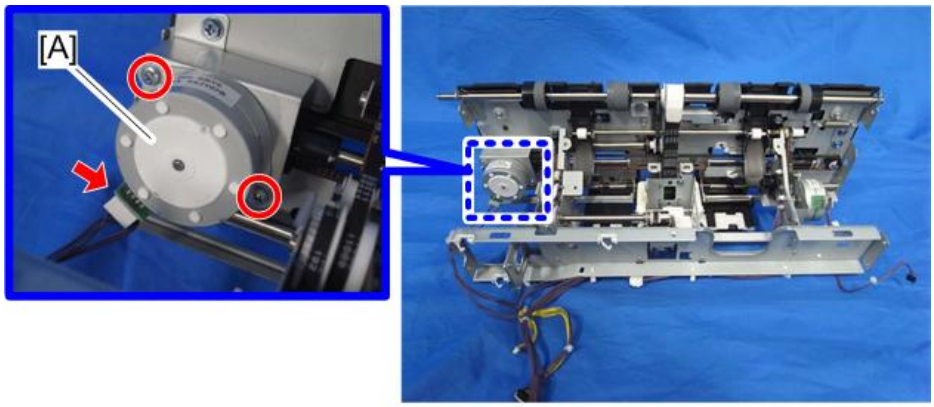
Jogger Motor

1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the stapler bracket [A] (x 3, x 1).



3. Remove the feed out motor. (Feed Out Motor)

4. Remove the jogger motor [A] (x 2, x 1).



d1351274

Paper Guide Motor

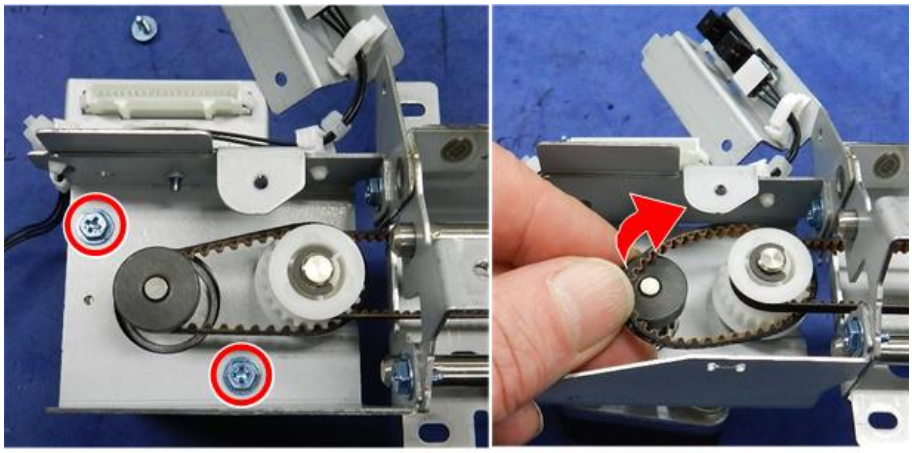
1. Remove the paper guide unit. (Paper Guide Unit)
2. The paper guide motor is at [A].

d3cgc3005c

3. Remove the sensor bracket (x1).

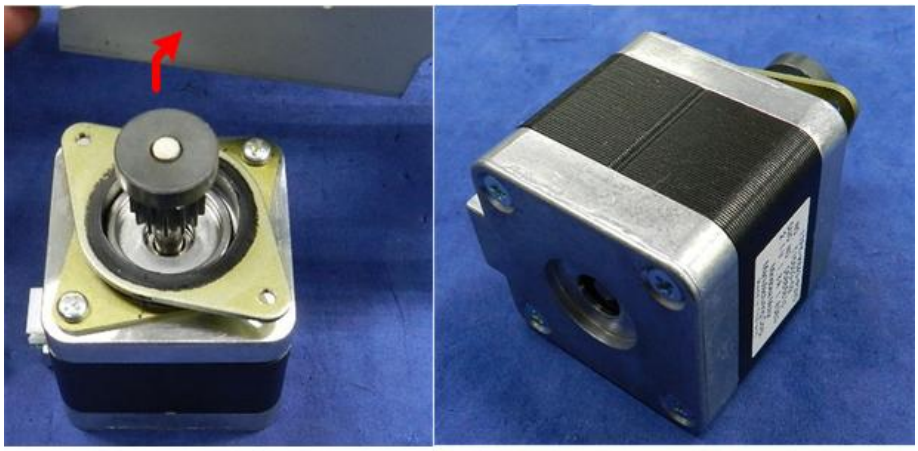
d3cgc3006a

4. Unfasten the motor, and disconnect the belt (x2, x1).



d3cgc3010a

5. Disconnect the motor harness, and then remove the motor (x1).



d3cgc3011

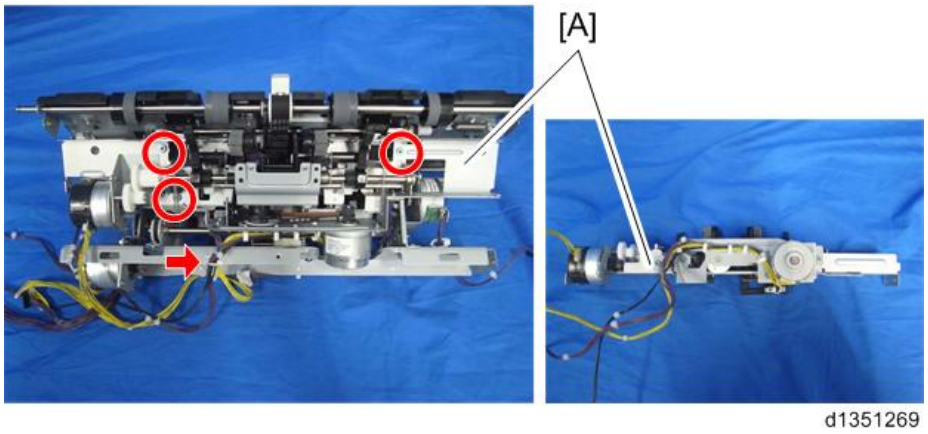
6. When you re-install the motor, make sure that the connector is pointing to the back of the unit.

d3cgc3012

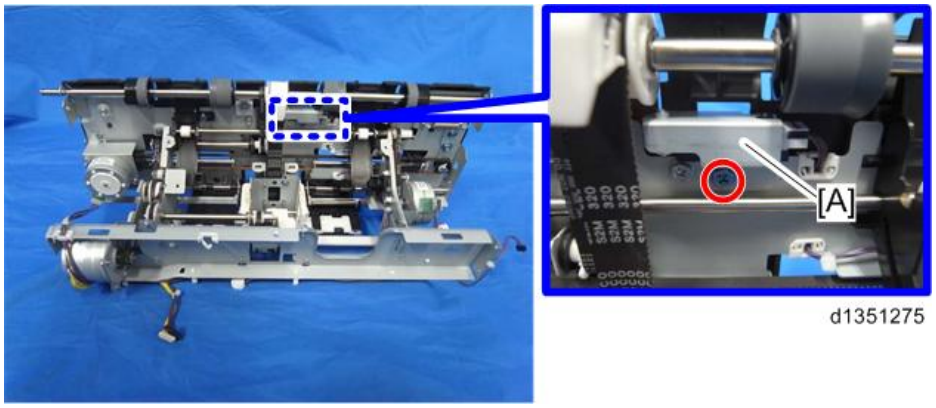
Sensors

Shift Tray Paper Sensor

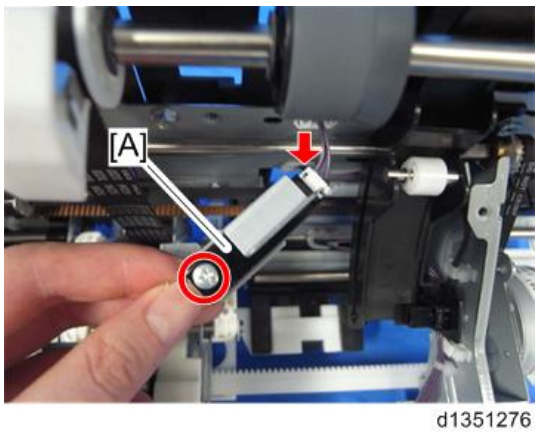
1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the stapler bracket [A] (x 3, x 1).



3. Remove the shift tray paper sensor bracket [A] (x 1).



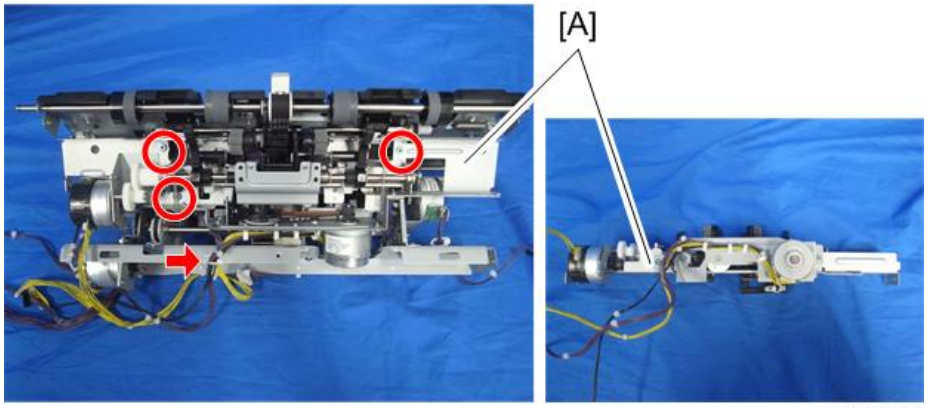
4. Remove the shift tray paper sensor [A] (x 1, x 1).



Trailing Edge Pressure Plate HP Sensor

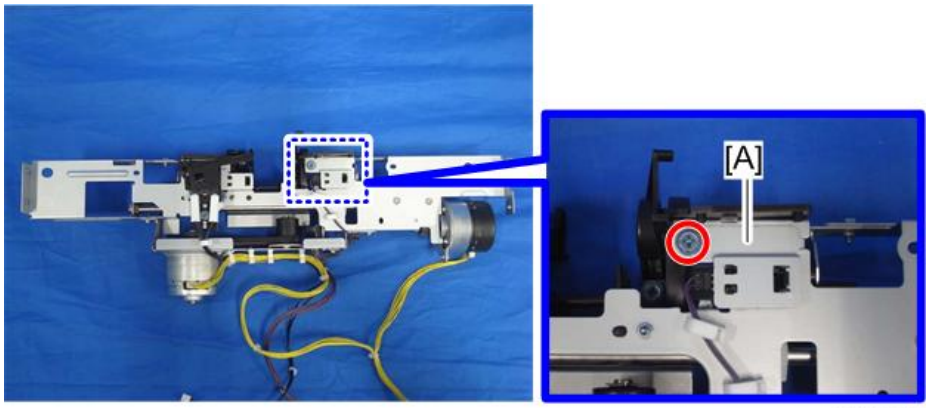
1. Remove the corner stapling unit. (Corner Stapling Unit)

2. Remove the stapler bracket [A] (x 3, x 1).



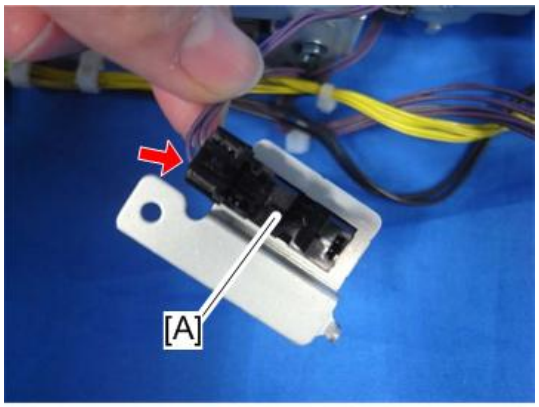
d1351269

3. Turn back the stapler bracket, and remove the trailing edge pressure plate HP sensor bracket [A] (x 1).



d1351290

4. Remove the trailing edge pressure plate HP sensor [A] (x 1).

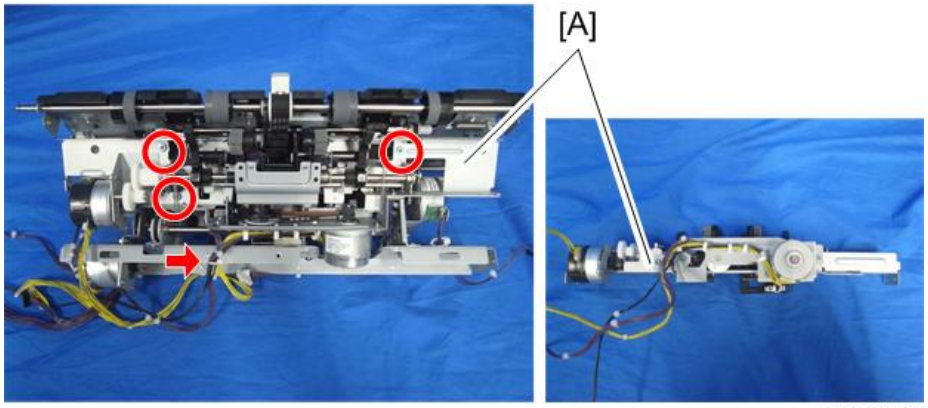


d1351291

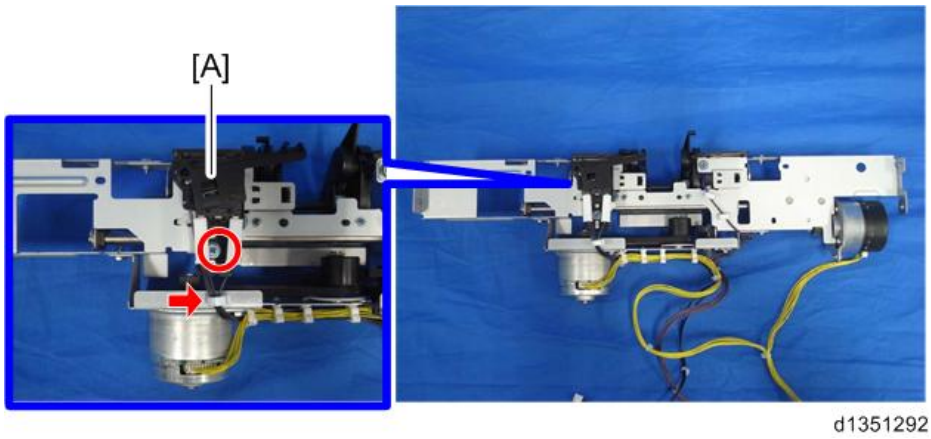
Stacking Roller HP Sensor

1. Remove the corner stapling unit. (Corner Stapling Unit)

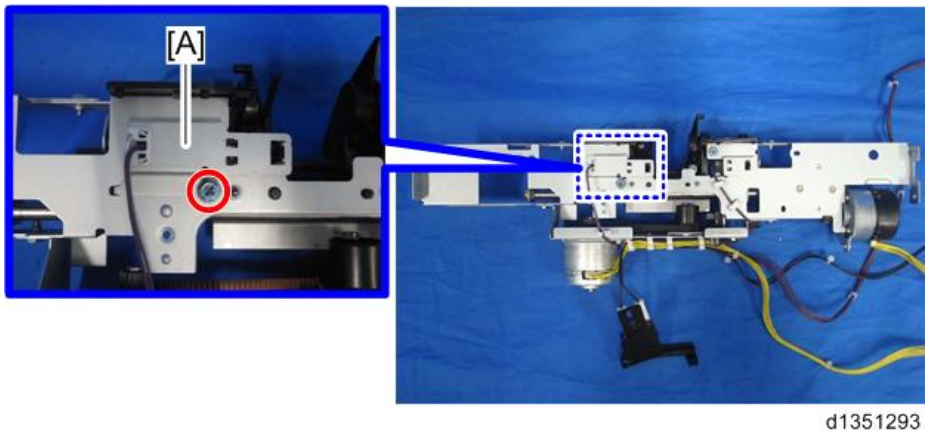
2. Remove the stapler bracket [A] (x 3, x 1).



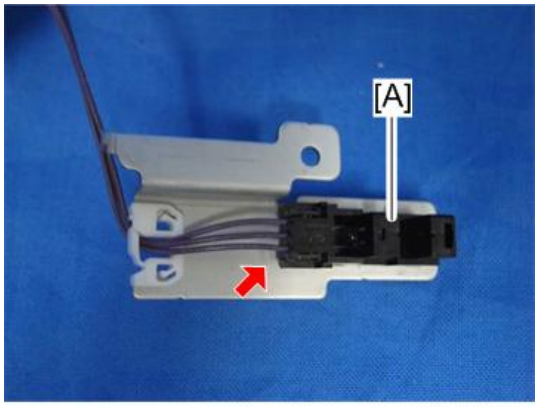
3. Turn back the stapler bracket, and remove the paper exit gate motor bracket [A] (x 1, x 1).



4. Remove the stacking roller HP sensor bracket [A] (x 1).



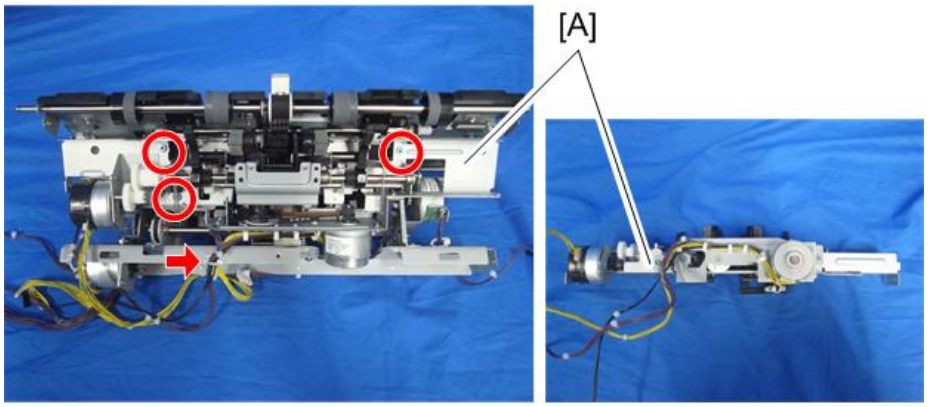
5. Remove the stacking roller HP sensor [A] (x 1).



d1351294

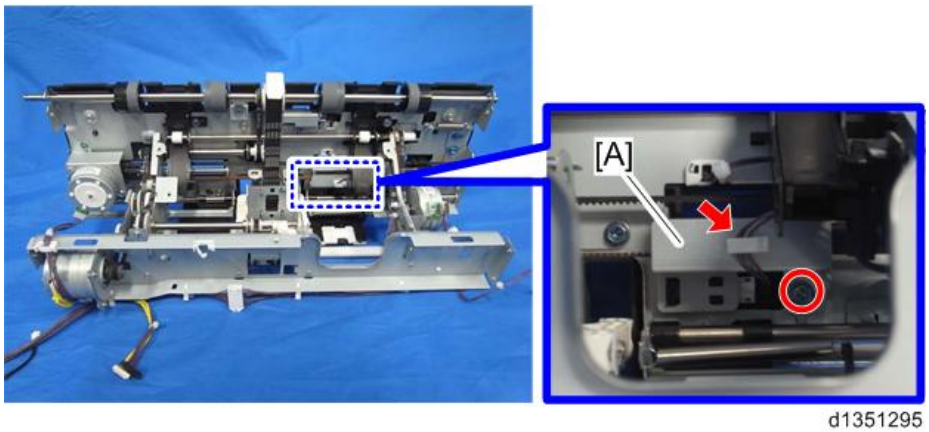
Staple Tray Paper Sensor

1. Remove the corner stapling unit. (Corner Stapling Unit)
2. Remove the stapler bracket [A] (x 3, x 1).



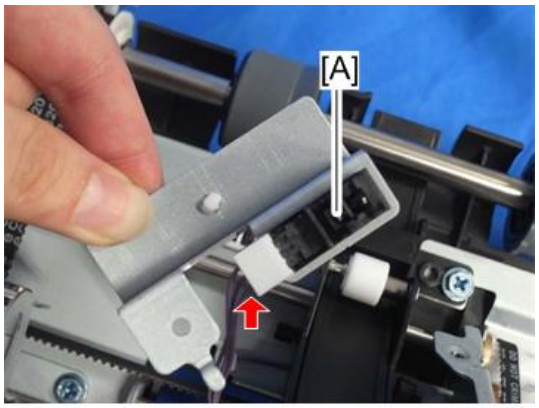
d1351269

3. Remove the staple tray paper sensor bracket [A] (x 1, x 1).



d1351295

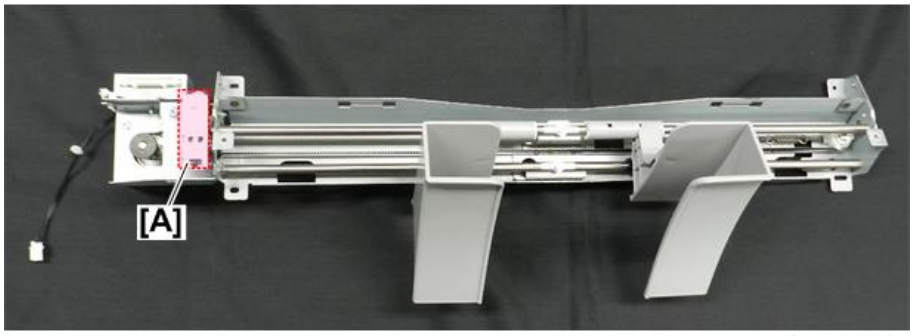
4. Remove the staple tray paper sensor [A] (x 1).



d1351296

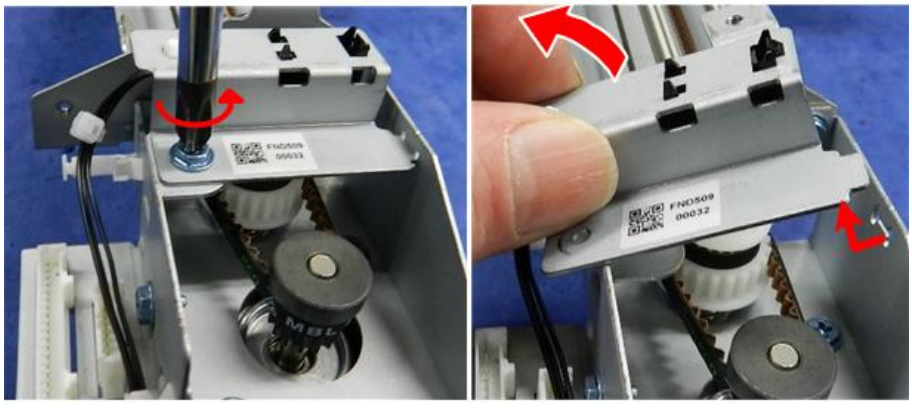
Paper Guide HP Sensor

1. Remove the paper guide unit. (Paper Guide Unit)
2. The paper guide HP sensor is located at [A].



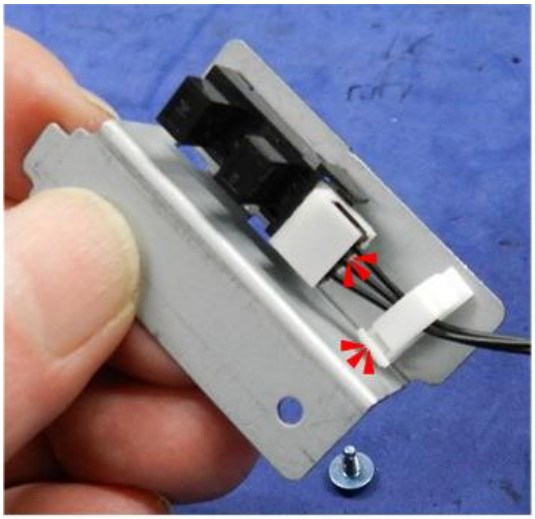
d3cgc3005b

3. Remove the sensor bracket [A] (x1).



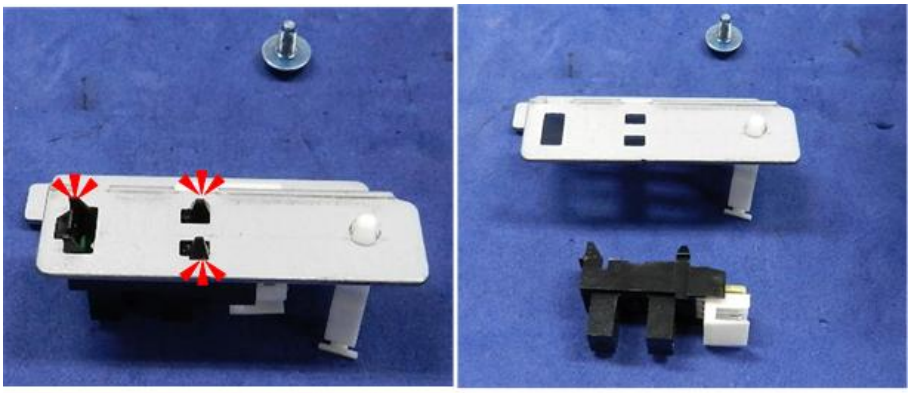
d3cgc3006a

4. Open the clamp and disconnect the sensor (x1, x1).



d3cgc3007a

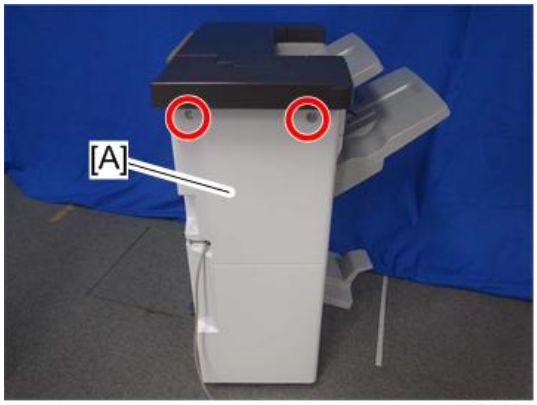
5. Separate the sensor and bracket (tab x3).



d3cgc3008a

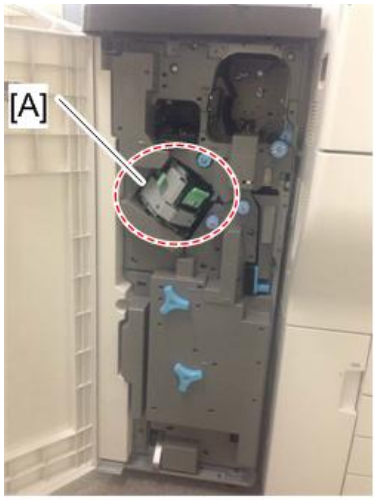
Stapler Unit

1. Remove the rear upper cover [A] (x 2).



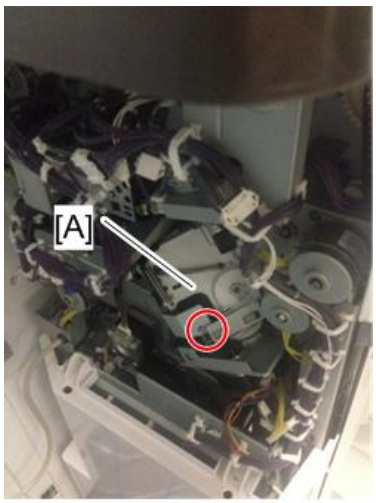
d1351253

2. Open the front door and push the stapler unit [A] towards the rear side of the finisher.



d135a0026

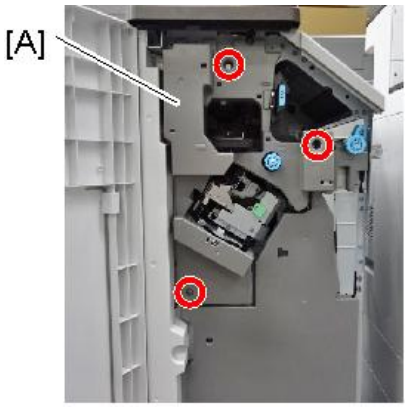
3. At the rear side, remove the screw circled in the photo below from the stapler unit [A] (x 1).



d135a0027

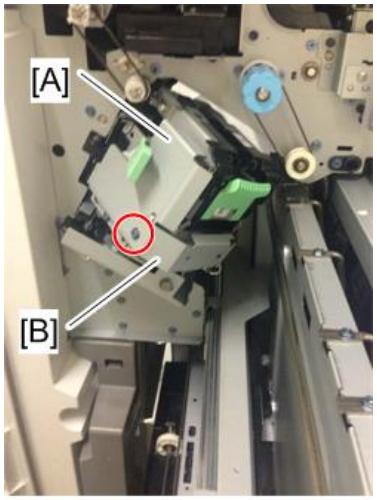
4. Push the stapler unit to the front side of the finisher.

5. Remove the inner upper cover [A] (x 3).



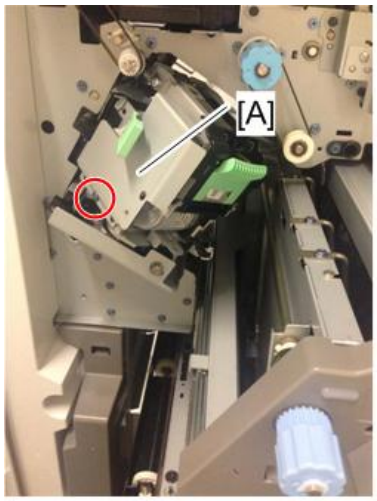
m0ajm1176

6. Remove the bracket [B] from the stapler unit [A] (x 1).



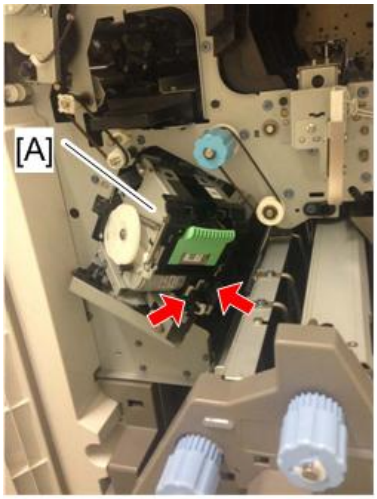
d135a0030

7. Remove the bracket [A] (x 1).



d135a0031

8. Remove the stapler unit [A] (x 2).



d135a0032

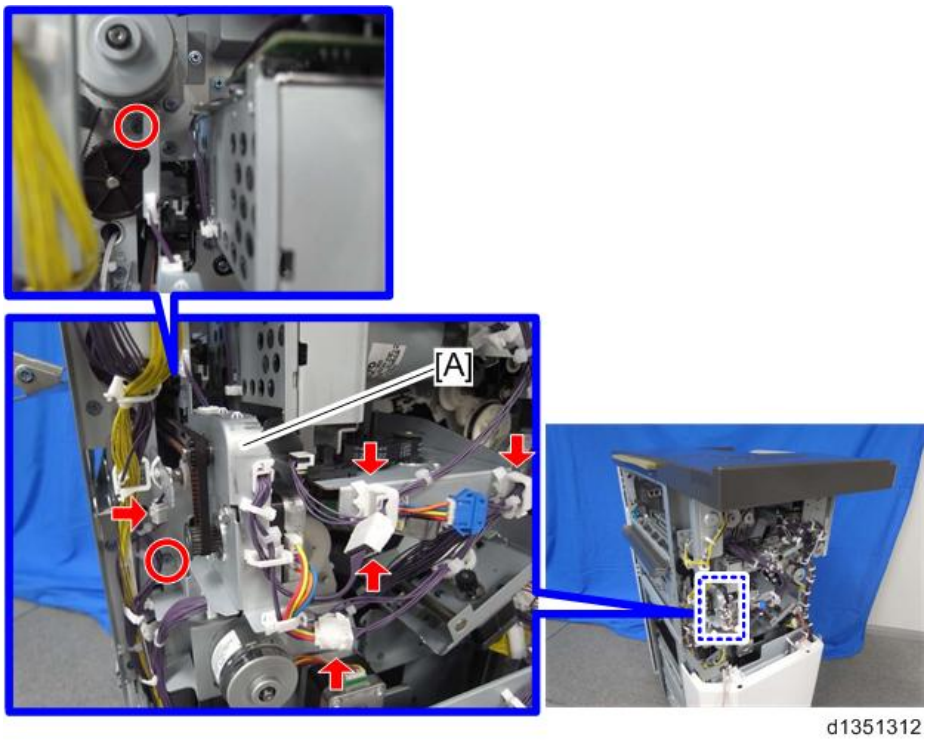
Punch Unit

The punch unit is already adjusted in the factory, so you don't need to adjust it. When you need to replace the parts of the punch unit, replace the whole unit.

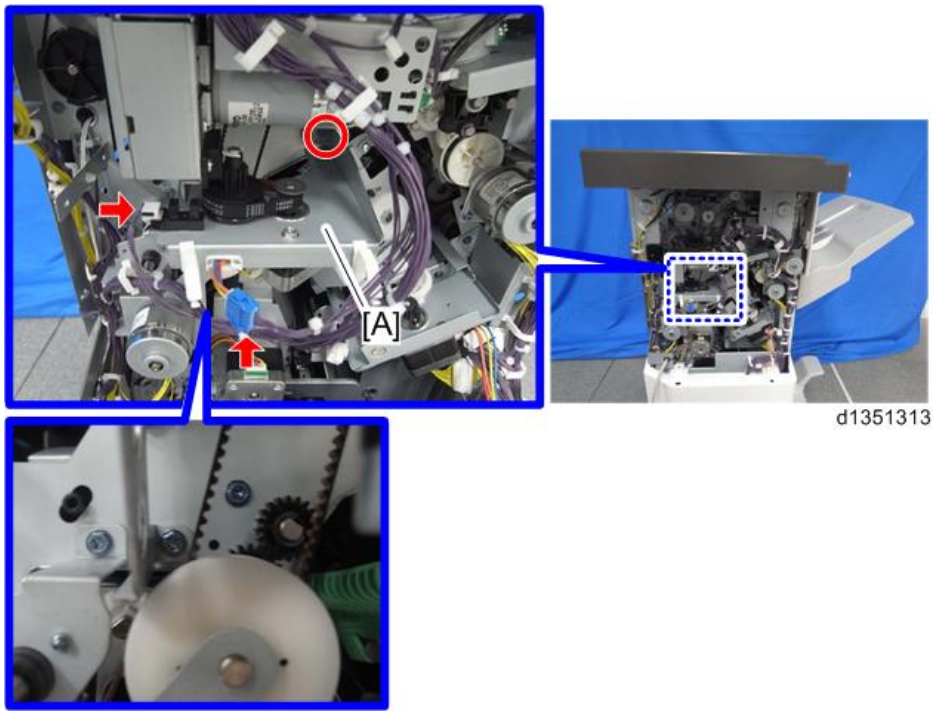
Note

- Do not disassemble the punch unit. This unit is precisely adjusted in the factory.
- Do not drop or give a shock to the unit when you replace it. The unit could be damaged.

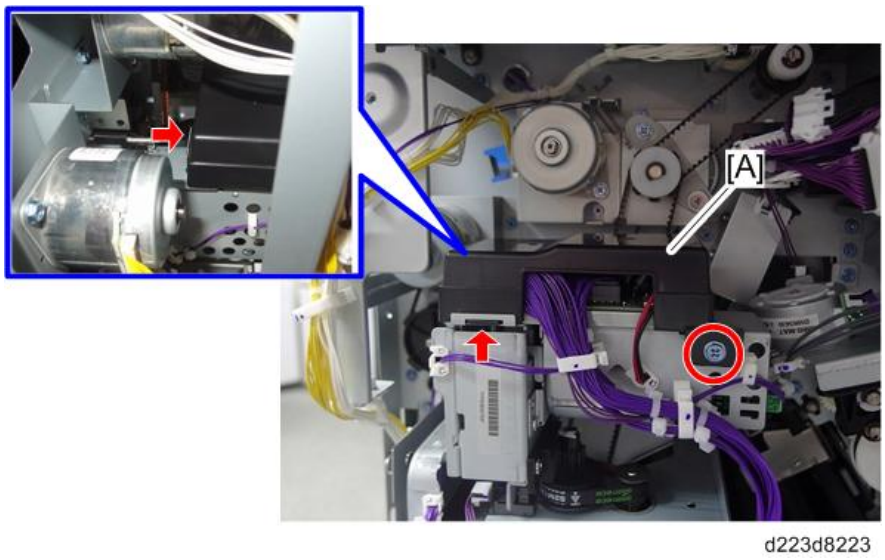
1. Remove the following covers.
   - Rear Upper Cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
   - Rear Lower Cover (Rear Upper Cover, Rear Lower Cover, Upper Cover)
2. Remove the side-to-side detection unit [A] (x 2, x 3, x 2).



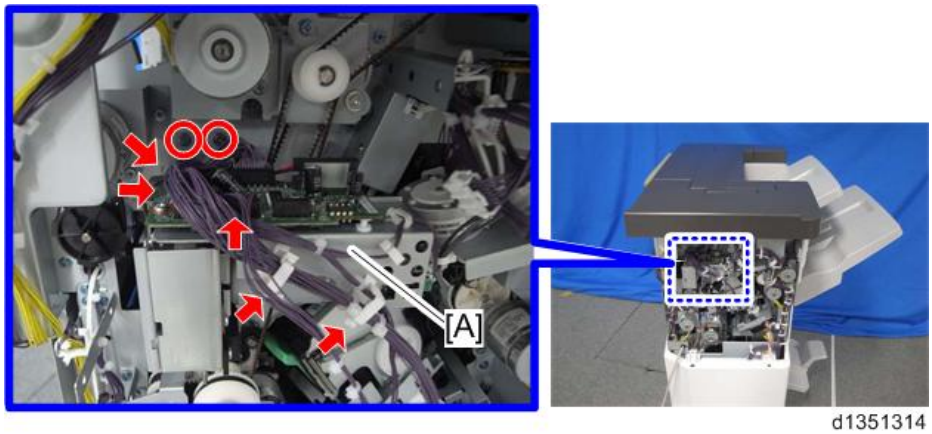
3. Remove the stepper motor bracket [A] (x 1, x 2).



4. Remove the punch unit control board [A] (x1, tab x2).



5. Pull out the punch unit [A] (x 2, x 3, x 2).

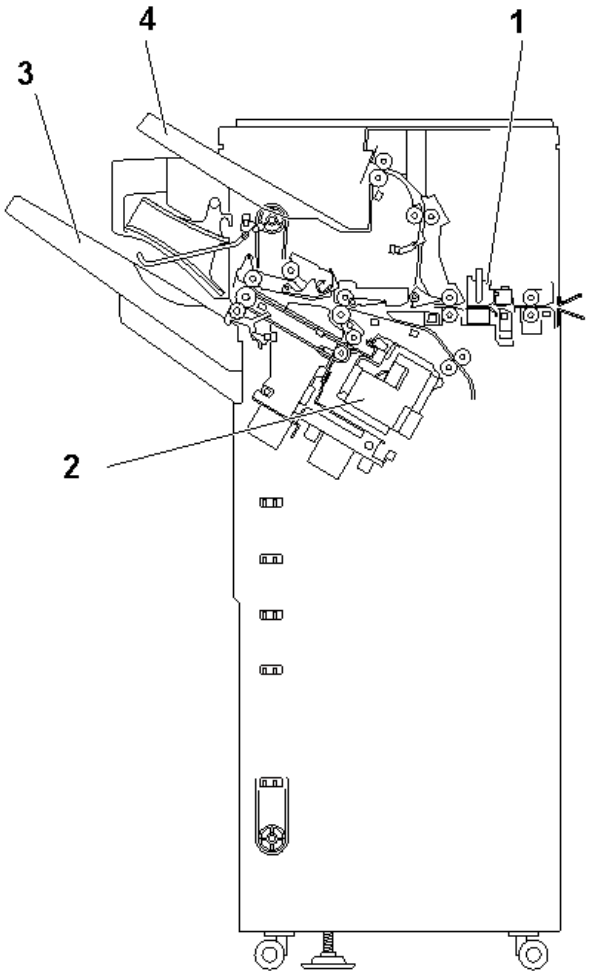


d1351315

2. Detailed Descriptions

Layout

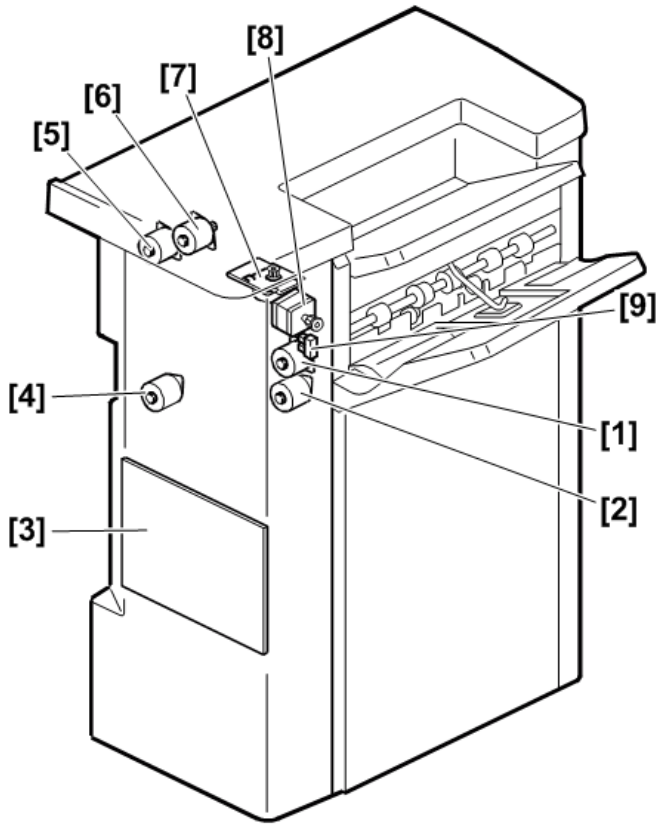
General Layout



m491c9001

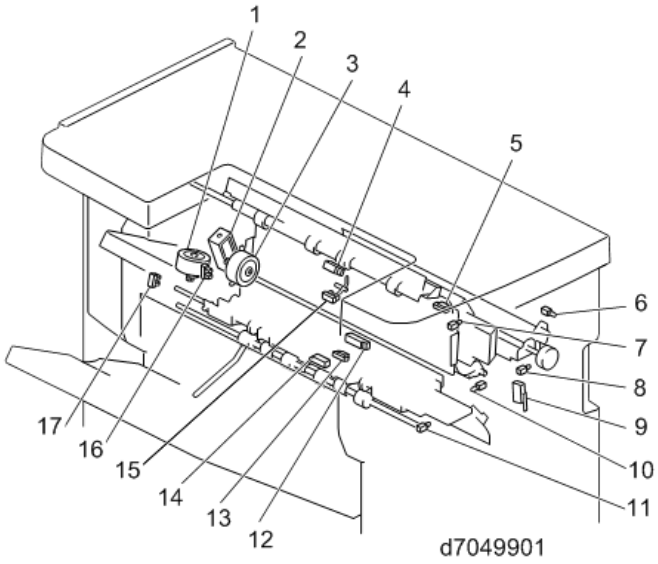
No.	Name
1	Punch Unit
2	Corner Stapler
3	Shift Tray
4	Proof Tray

Electrical Component Layout

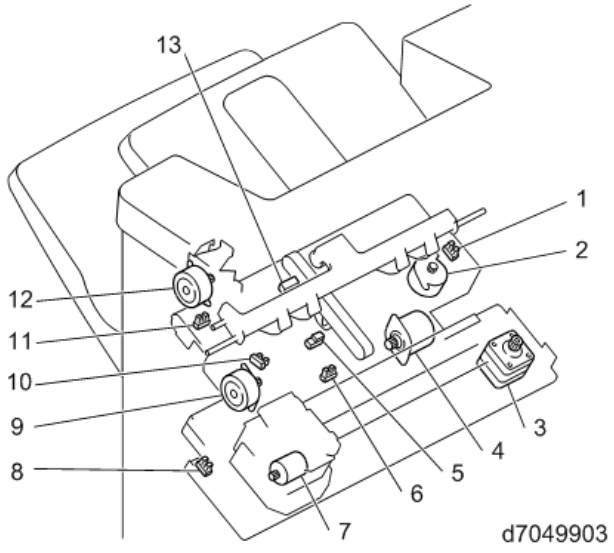


d223d8236

No.	Part
1	Exit Motor
2	Transport Motor
3	Main Control Board
4	Pre-stack Transport Motor
5	Entrance Transport Motor
6	Horizontal Transport Motor
7	Tray Lift Motor
8	Paper Guide Motor
9	Paper Guide HP Sensor

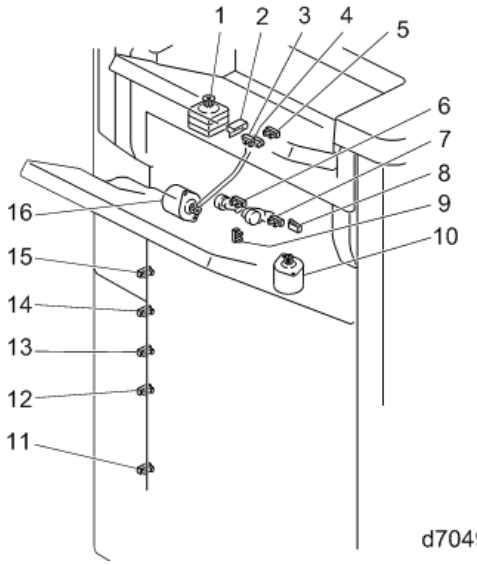


No.	Part	No.	Part
1	Shift Motor	10	LED 3
2	Upper Junction Gate Solenoid	11	LED 2
3	Lower Junction Gate Motor	12	Horizontal Transport Sensor
4	Proof Tray Full Sensor	13	Switchback Transport Sensor
5	Entrance Sensor	14	Transport Path Paper Sensor
6	LED 5	15	Proof Tray Exit Sensor
7	LED 1	16	Lower Junction Gate HP Sensor
8	LED 4	17	Shift Roller HP Sensor
9	Front Door Switch		



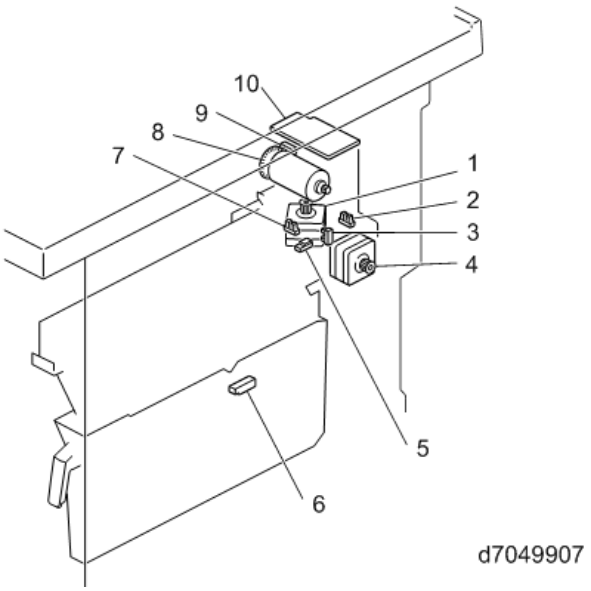
No.	Part	No.	Part
1	Jogger Fence HP Sensor	8	Stapler HP Sensor
2	Jogger Motor	9	Leading Edge Guide Motor
3	Corner Stapler Movement Motor	10	Leading Edge Guide HP Sensor

No.	Part	No.	Part
4	Feed-out Belt Motor	11	Positioning Roller HP Sensor
5	Staple Tray Paper Sensor	12	Positioning Roller Motor
6	Feed-out Belt HP Sensor	13	Shift Tray Exit Sensor
7	Corner Stapler Motor		



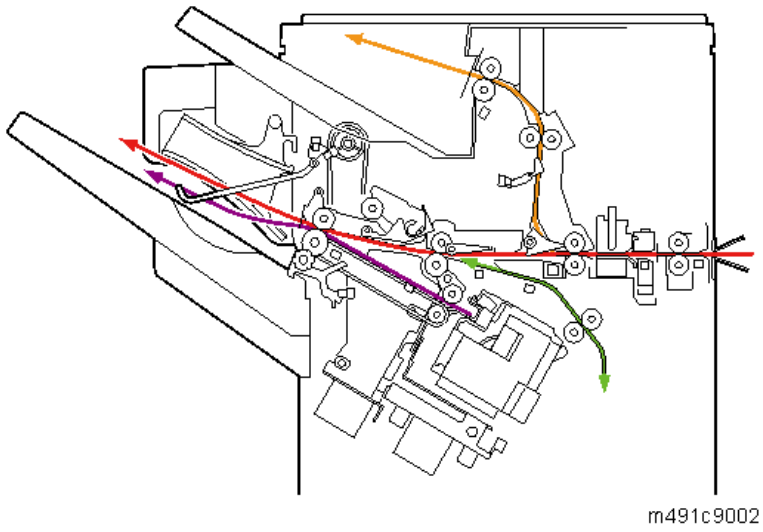
No.	Part	No.	Part
1	Paper Exit Guide Plate Motor	9	Return Roller HP Sensor
2	Paper Exit Guide Plate Limit Switch	10	Return Roller Motor
3	Booklet Stack Height Sensor 1	11	Shift Tray Lower Limit Sensor 5
4	Booklet Stack Height Sensor 2	12	Shift Tray Lower Limit Sensor 4
5	Exit Guide Plate HP Sensor	13	Shift Tray Lower Limit Sensor 3
6	Trailing Edge Press HP Sensor	14	Shift Tray Lower Limit Sensor 2
7	Shift Paper Height Sensor	15	Shift Tray Lower Limit Sensor 1
8	Upper Tray Height Limit Switch	16	Trailing Edge Press Motor

Punch Unit



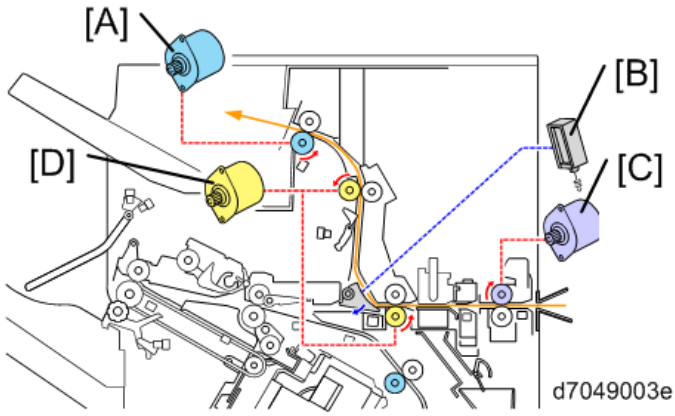
No.	Part
1	Punch Unit Movement Motor
2	Punch Unit HP Sensor
3	Punch Registration HP Sensor
4	Punch Registration Motor
5	Punch Registration Sensor
6	Punchout Hopper Full Sensor
7	Punch HP Sensor
8	Punch Drive Motor
9	Punch Motor Rotation Sensor
10	Punch Unit Control Board

Transport Layout



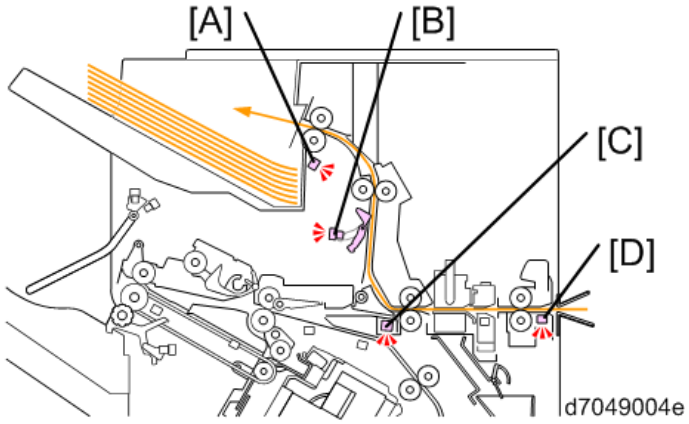
Red	Straight Through Path
Orange	Proof Path
Green	Pre-stacking Path
Purple	Stapling Path

Proof Transport Layout (Drive)



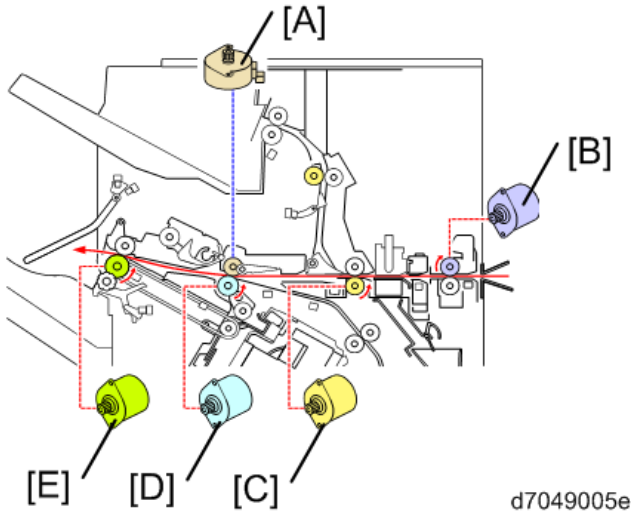
No.	Name	No.	Name
A	Proof Exit Motor	C	Entrance Transport Motor
B	Junction Gate Solenoid	D	Horizontal Transport Motor

Proof Transport Layout (Sensors)



No.	Name	No.	Name
A	Proof Tray Full Sensor	C	Horizontal Transport Sensor
B	Proof Exit Sensor	D	Entrance Sensor

Shift Transport Layout (Drive)

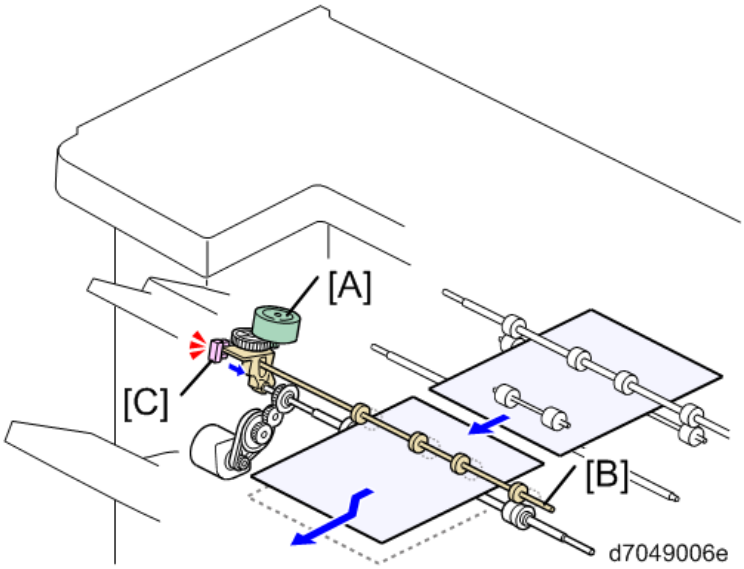


No.	Name	No.	Name
A	Shift Roller Motor (shift only)	D	Relay Transport Motor
B	Entrance Transport Motor	E	Upper Tray Exit Motor
C	Horizontal Transport Motor		

Operation Details

Shift Operation (Shift Transport)

To separate the output stacks, the shift roller motor [A] moves the shift roller [B] side-to-side while the shift roller is driven. The shift roller HP sensor [C] is used to control this mechanism.

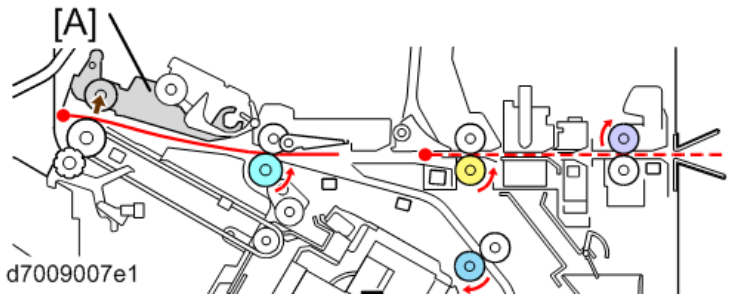


Pre-stack Operation (In Corner Stapling)

- **Pre-stack Capacity:** 1 sheet
- **Pre-stack Size:** A4 SEF/LEF, B5 SEF/LEF, LT SEF/LEF

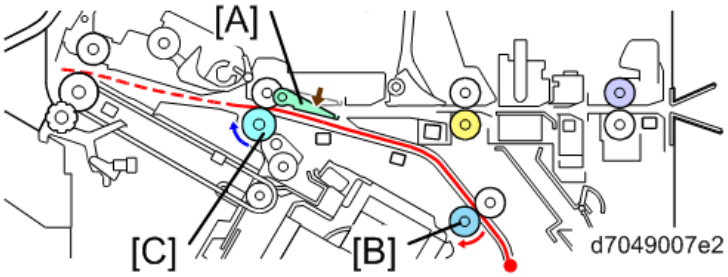
There are four steps as follows:

1. The upper tray exit guide plate [A] moves up (opens). Paper comes through the entrance transport path and reaches the relay transport path.

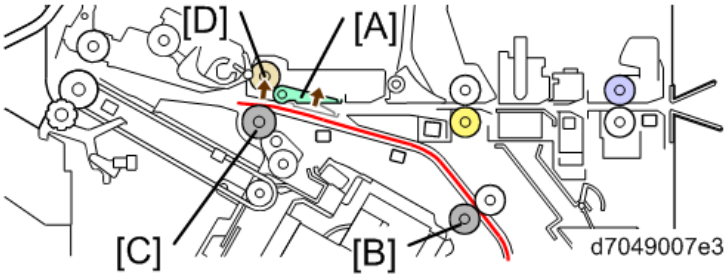


2. After paper passes the pre-stack junction gate [A], the pre-stack junction gate [A] moves down (closes) and the relay transport roller [C] rotates in reverse. The pre-stack roller [B] rotates to transport paper to the pre-

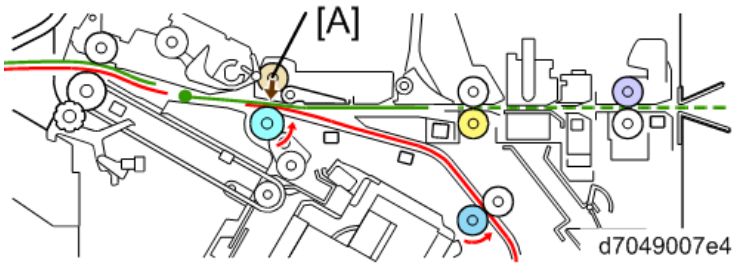
stack position.



3. The rotation of the relay transport roller [C] and the pre-stack roller [B] stops, and the pre-stack junction gate [A] moves up (opens). The shift roller [D] also moves up to release the pressure between itself [D] and the relay transport roller [C].



4. The following sheet comes through the entrance and reaches the relay transport path. After that, the shift roller [A] drops to press the pre-stacked sheet and the following sheet. Then with the pre-stacked sheet, the following sheet goes to the next process (corner stapling).



Upper Tray Shift Drive / Limit Sensor / Full Sensor

Upper Tray Shift Up/down

The upper tray lift motor [A] moves the upper tray up/down.

Upper-position Detection

With the actuator, the shift paper height sensor [B] detects the upper position of the tray (without output paper). The upper tray height limit switch [C] prevents the tray from moving up too much. When the upper tray moves up to the upper position but doesn't stop, the upper tray height limit switch is pushed and the tray shift motor [A] stops.

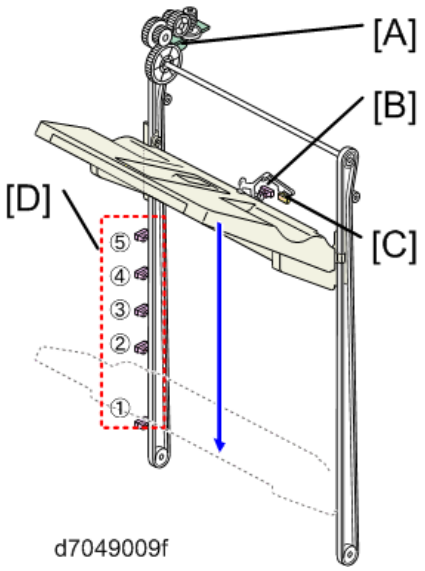
Upper Tray Full Detection

Condition 1

There are five tray full sensors [D] on the rear side of the machine, but Shift Tray Lower Limit Sensor 2 and 4 are

not used for this finisher.

State	Sensors	Paper Size	Length
500 sheets	Shift Tray Lower Limit Sensor 5	A5 SEF, A5 LEF, B6 SEF, HLT SEF, A6 SEF	148 to 182 mm
1,000 sheet	Shift Tray Lower Limit Sensor 4	Not used for this finisher.	
1,500 sheets	Shift Tray Lower Limit Sensor 3	A3 SEF, A4 SEF, B4 SEF, B5 SEF, B5 LEF, DLT SEF, LG SEF, LT SEF, 12"x18" SEF, SRA3 SEF, 13"x19.2" SEF	182 to 488 mm
2,000 sheets	Shift Tray Lower Limit Sensor 2	Not used for this finisher.	
3,000 sheets	Shift Tray Lower Limit Sensor 1	A4 LEF, LT LEF	

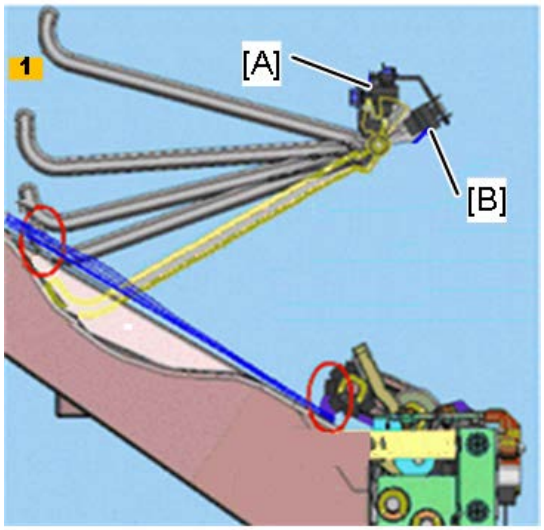


Condition 2

When the feeler rises up to position "1", The booklet stack height sensor 1 [A] is "OFF" and the booklet stack height sensor 2 [B] is "ON".

If this feeler remains in position "1" for 13 seconds continuously, the shift tray is detected full .

The purpose is to accurately detect tray full for stacks of Z-folded paper, or incorrectly stacked documents.

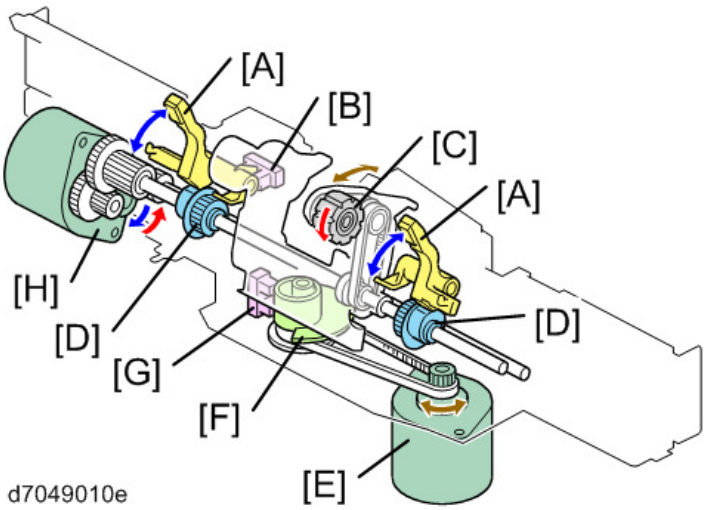


Condition 3

Shift tray detection input check: SP6123-35 normally set to "0" (default), tray not full.

Pull-in Roller / Paper Stack Holder

Components



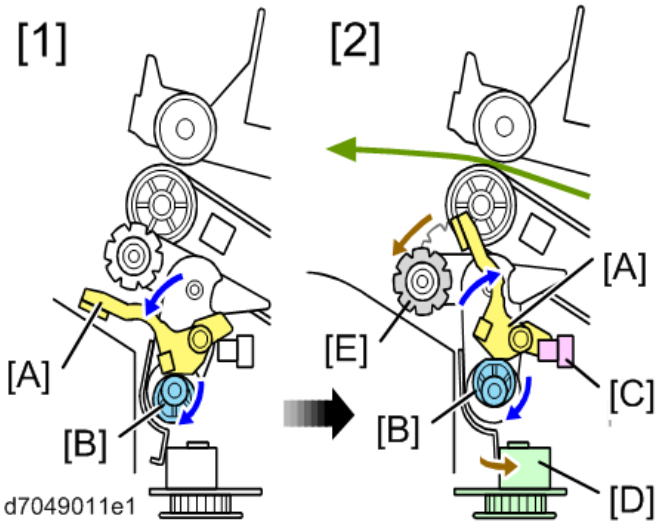
No.	Name	No.	Name
A	Paper Stacking Holder	E	Stacking Sponge Roller Fluctuation Motor
B	Holder HP Sensor	F	Stacking Sponge Roller Cam
C	Stacking Sponge Roller	G	Stacking Sponge Roller HP Sensor
D	Paper Stacking Holder Cam	H	Paper Stacking Holder Motor

Operation

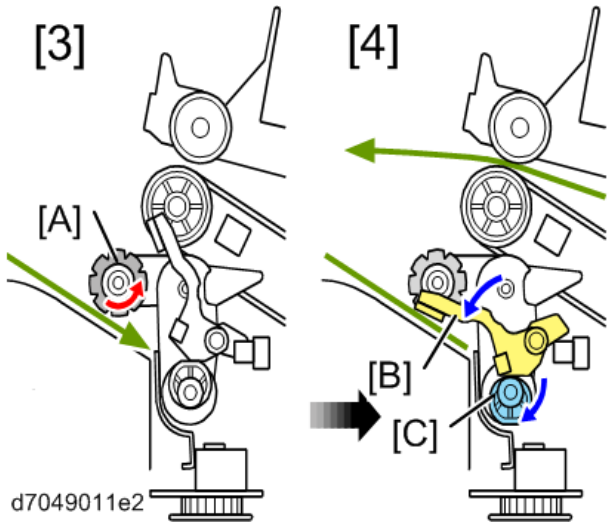
There are five steps in the operation:

1. When a job starts, the paper stacking holder motor rotates the paper stacking holder cam [B] to move the paper stacking holder [A] down.

2. The stacking sponge roller fluctuation motor rotates the stacking sponge roller cam [D] to move the stacking sponge roller [E] down. The paper stacking holder motor rotates the paper stacking holder cam [B] to lift the paper stacking holder [A] up to its HP (until the paper stacking holder interrupts the paper stacking holder HP sensor [C]).

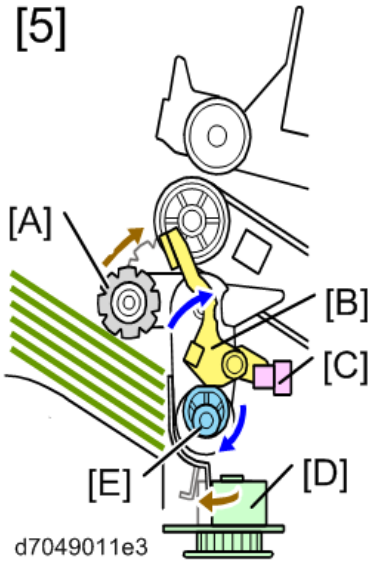


3. The paper stacking holder motor drives in reverse to let the stacking sponge roller [A] pull the output paper in.
4. The paper stacking holder motor rotates the paper stacking holder cam [C] to drop the paper stacking holder [B] (until job end, the machine repeats step 3 and step 4).



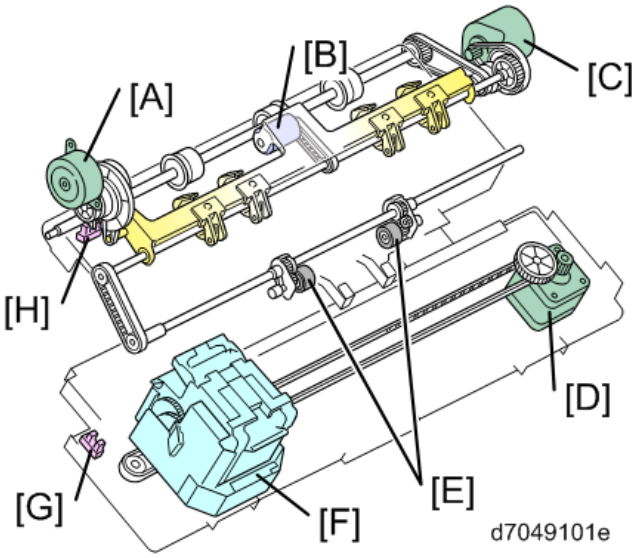
5. After job end, the stacking sponge fluctuation motor rotates the stacking sponge roller cam [D] to lift the stacking sponge roller [A] up to its HP position. At the same time, the paper stacking holder motor rotates the holder cam [E] to lift the paper stacking holder [B] up to its HP (until the paper stacking holder HP sensor

[C] detects the end of the paper stacking holder [B]).

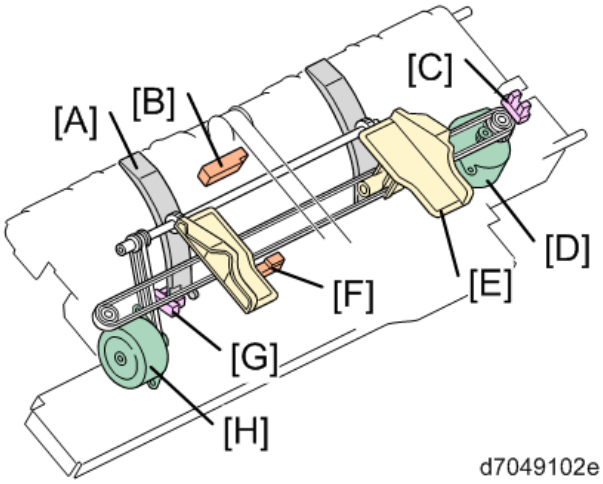


Corner Stapling

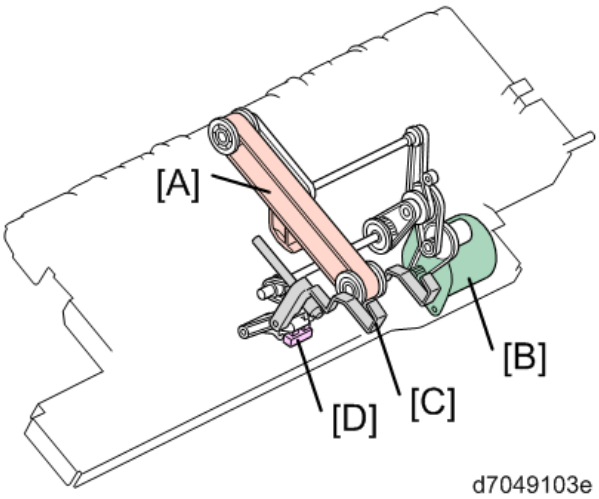
Components



No.	Name	No.	Name
A	Positioning Roller Lift Motor	E	Drag Roller
B	Positioning Roller	F	Stapler
C	Exit Motor	G	Stapler HP Sensor
D	Stapler Movement Motor	H	Positioning Roller HP Sensor



No.	Name	No.	Name
A	Edge Guide	E	Jogger Fence
B	Upper Tray Exit Sensor	F	Staple Tray Paper Sensor
C	Jogger HP sensor	G	Edge Guide HP Sensor
D	Jogger Motor	H	Edge Guide Motor



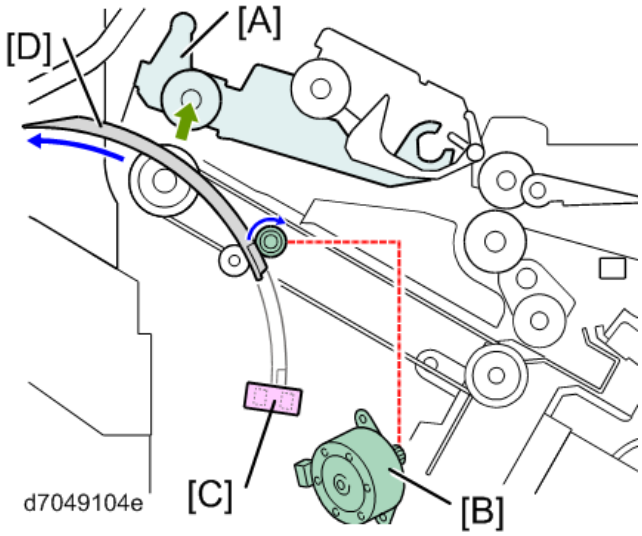
No.	Name	No.	Name
A	Stack Feed-out Belt (with stack feed-out pawl)	C	Trailing Edge Fence
B	Stack Feed-out Motor	D	Stack Feed-out Pawl HP

Edge Guide

This machine applies a corner staple to the paper stack while it is hanging out of the exit. At this time, to prevent the paper stack from dropping to the upper tray, the edge guide [D] comes out of the unit. The edge guide operates as follows:

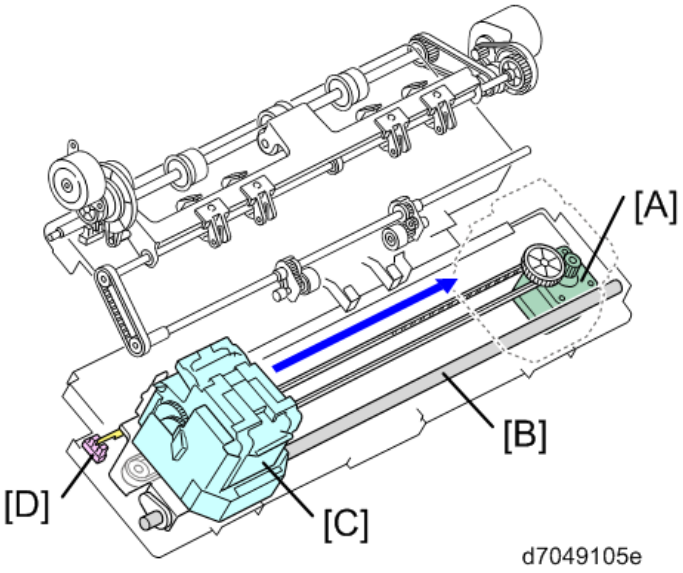
1. When a job starts, the upper tray guide plate [A] shifts up.
2. The edge guide motor [B] drives to push the edge guide [D] out. The edge guide retreats into the machine

when the last sheet of a job is output (the edge guide HP sensor [C] detects the edge guide).



Stapler Movement

The stapler movement motor [A] moves the stapler [C] along the guide rod [B]. After a job finishes, the stapler [C] returns to its HP (the stapler HP sensor [D] detects the base of the stapler).

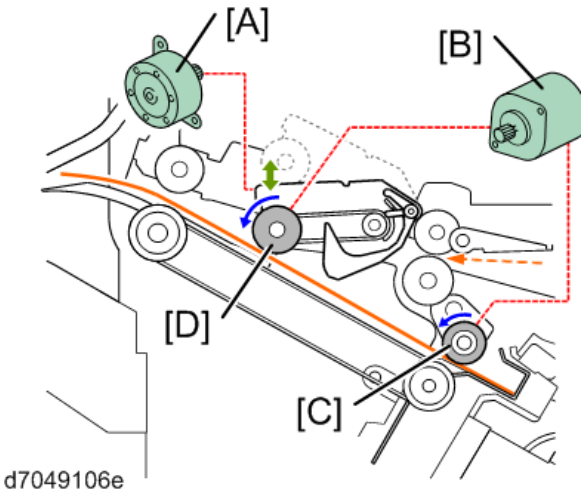


Positioning Roller / Drag Roller

The positioning roller and drag roller operate as follows:

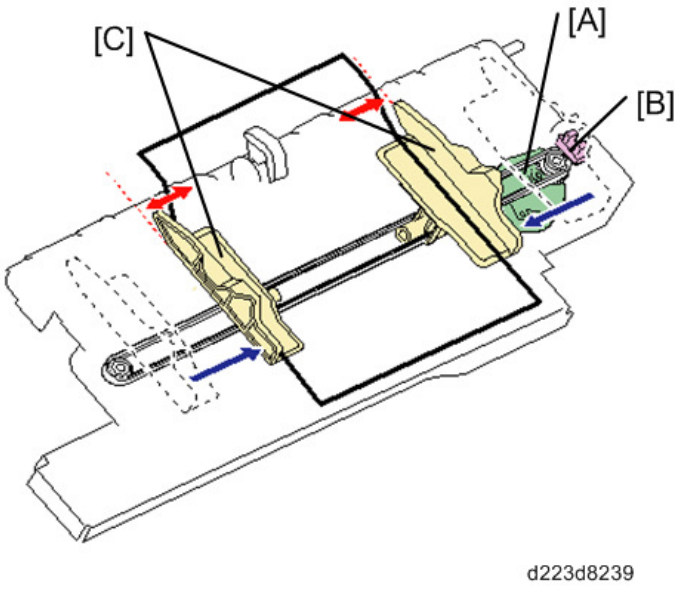
1. The positioning roller shift motor [A] moves the positioning roller [D] down at the start of every job.
2. The positioning roller motor [B] rotates the positioning roller [D] to transport paper to the staple tray.
3. The positioning roller motor [B] also rotates the drag roller [C]. The drag roller [C] is a sponge roller that

pushes paper against the trailing edge fence, in order to hold paper in the stapling position.



Jogger

The jogger motor [A] moves the jogger fences [C] to the ready position, where they wait for the first sheet. As each sheet enters, the jogger fences push toward the center. At the end of the job, the jogger fences return to their HP and stop. The jogger fence HP sensor [B] detects the jogger fence at the home position.

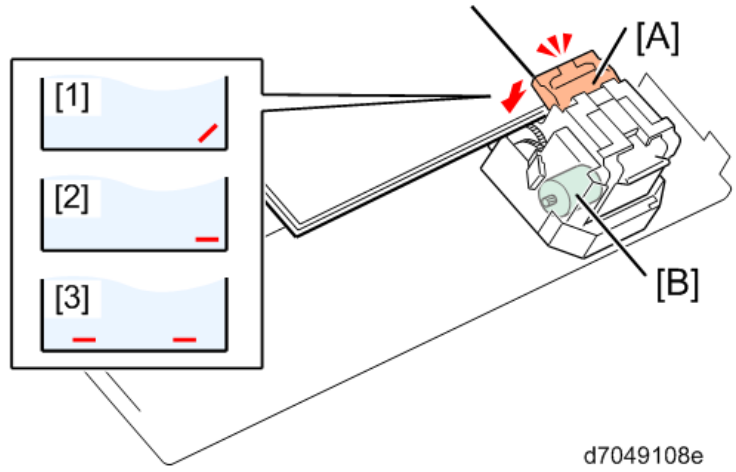


Stapling

The staple hammer motor [B] pushes the staple hammer [A] down in order to staple the paper stack. The stapling positions are as follows:

- **For oblique stapling:** [1]
- **For horizontal stapling:** [2]

- **For horizontal stapling at 2 points**: [3]



Feeding-out

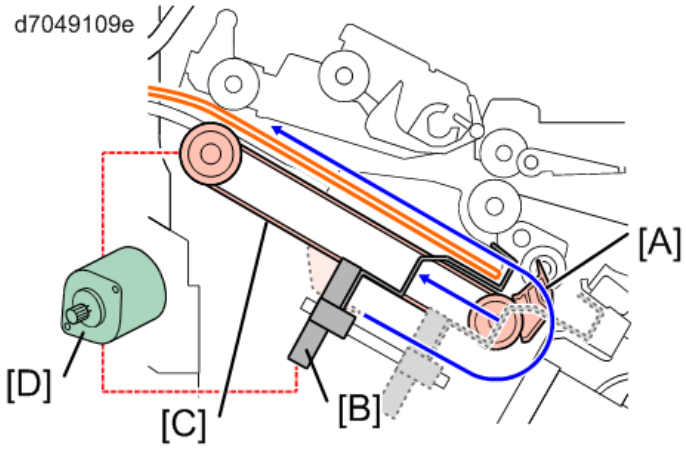
The trailing edge fence [B] moves paper up to the proper position to output. Then the stack feed-out pawl [A] that is attached to the stack feed-out belt [C] pushes the paper out. The stack feed-out motor [D] moves the stack feed-out pawl [A] and the trailing edge fence [B]. After a stack is output, both the trailing edge fence [B] and stack feed-out pawl [A] return to their HP.

There are two types of stack output.

- 1. Pawl, exit roller: Small sizes (A4, LT, B4 SEF)
  Output is done by the exit roller, and by the trailing edge fence and the stack feed-out pawl as described above.
- 2. Roller exit: A4, LT, B5 LEF
  Only the exit roller is used to output the stack, without using the trailing edge fence and the stack feed-out pawl.

For Large Sizes (A3, B4, LG, DLT)

- 1 to 10 sheets: Roller exit method
- More than 11 sheets: Pawl, exit roller method

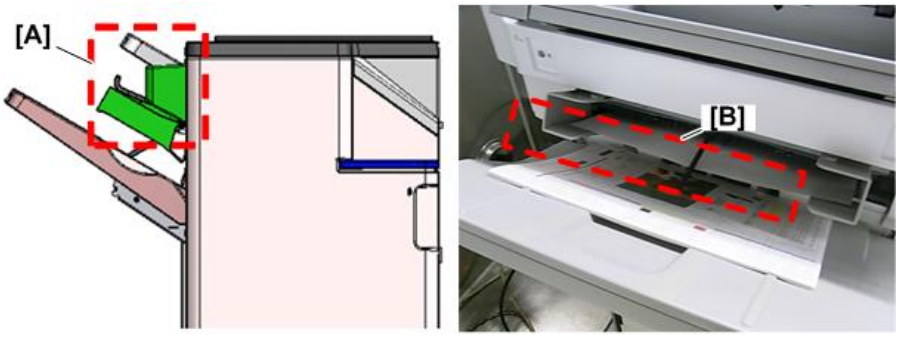


Paper Exit Guide

Paper Guide Unit

As each stapled copy exits the finisher, it contacts the copy ahead of it already on the shift tray, and the paper guide unit [A] prevents the copies from becoming entangled on the shift tray.

The paper guide motor drives the paper guide cover to reduce the amount of curl and prevent the leading edges [B] from curling and to improve the output of stapled copies on the shift tray.



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Related SP Codes

Selects whether or not to operate the paper guide in jobs other than corner stapling jobs.

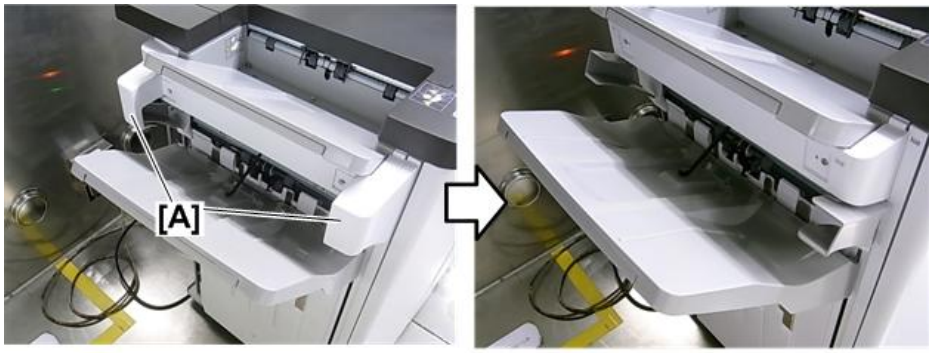
0: Paper guide operates for all paper sizes

1: Paper guide does not operate

- SP6126-001 Use Paper Guide (Small sizes up to 300 mm)
- SP6125-001 Use Paper Guide (Large sizes large than 300 mm)

Paper Guide Removal

The paper guide unit is provided with the paper guide covers [A] at the initial position for users who want to take advantage of the improved stacking, but these covers can be removed. (Even with the covers removed, output will be done correctly even if the paper guides touch during operation.)



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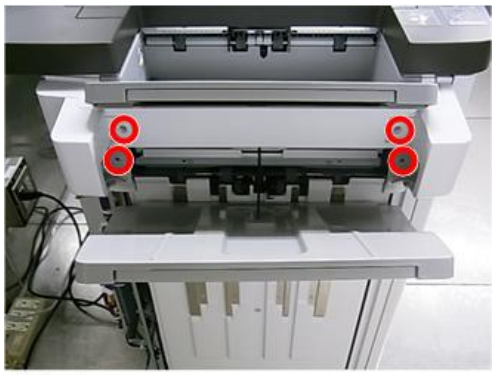

SP6-160-004 (Replacement Mode for Service)

It is easier to access the following parts after running SP-6-160-004.

- Positioning Roller [A]

  The paper exit guide plate moves upwards and the positioning roller pops up in front for easier access.

- Reverse Roller [B]

  The paper exit guide plate moves upwards and the reverse roller can be accessed.