

**Internal Finisher Type C2550
Machine Code: D429
Field Service Manual**

August 2008
Subject to change

Safety and Symbols


Replacement Procedure Safety

CAUTION

- Turn off the main power switch and unplug the machine before beginning any of the replacement procedures in this manual.

Symbols Used in this Manual


This manual uses the following symbols.

: See or Refer to

: Screws

: Connector

: Clip ring

: E-ring

: Clamp

TABLE OF CONTENTS

Safety and Symbols.....	1
Replacement Procedure Safety.....	1
Symbols Used in this Manual.....	1
1. Replacement and Adjustment	
Common Procedures.....	3
Rear, Left Rear and Rear Inner Cover.....	3
Front Cover.....	4
Output Tray Lower Cover.....	4
Output Tray Unit.....	5
Motors.....	7
Pick-Up Roller Contact Motor.....	7
Stapler Unit Movement Motor.....	7
Stapler Unit.....	9
Sensors.....	11
Main Unit.....	11
Inverter Unit.....	13
Fan.....	14
Front Fan.....	14
Main Board.....	15
Punch Unit.....	16
Punch Slider Unit.....	16

1. Replacement and Adjustment

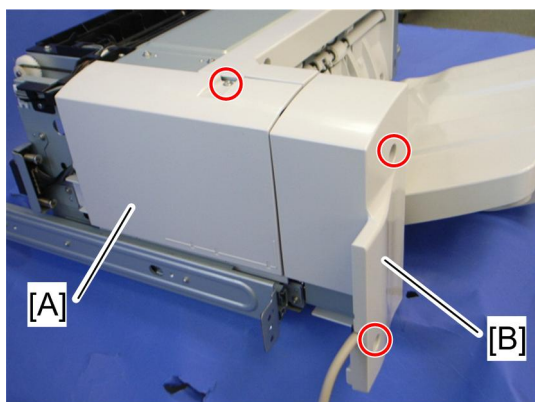
Common Procedures

1

★ Important

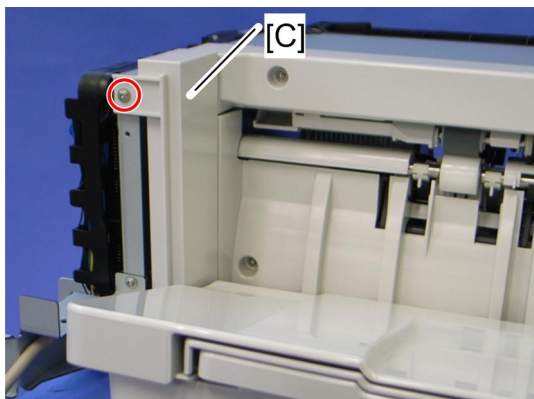
- The finisher must be removed from the machine for these procedures except "Output Tray Lower Cover" removal procedure. The following covers cannot be removed while the finisher is attached to the machine.

Rear, Left Rear and Rear Inner Cover



d429r100

1. Rear cover [A] (⚙ x 1)
2. Left rear cover [B] (⚙ x 2)

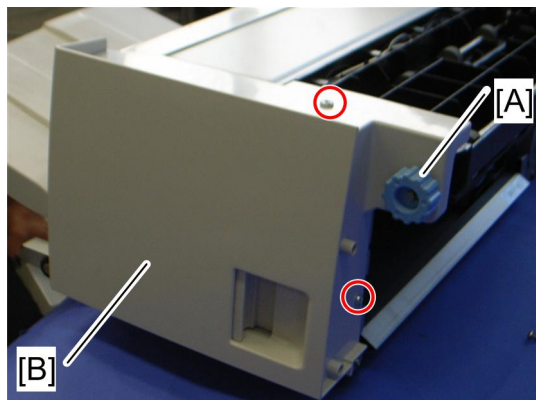


d429r101

3. Rear inner cover [C] (⚙ x 1)

Front Cover

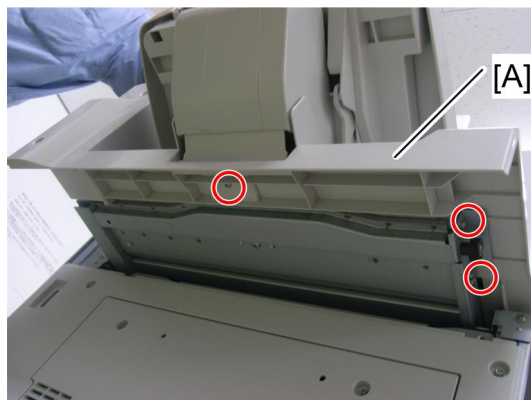
1



d429r102

1. Remove the knob [A]
2. Front cover [B] (🔩 x 2)

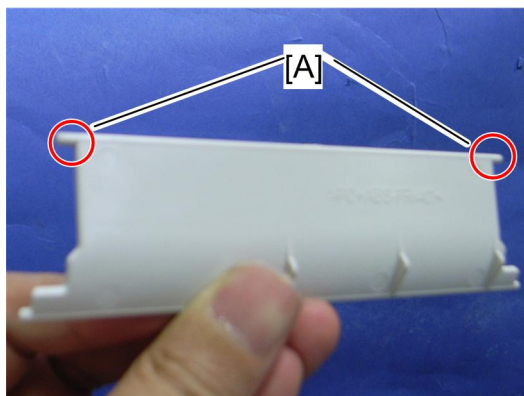
Output Tray Lower Cover



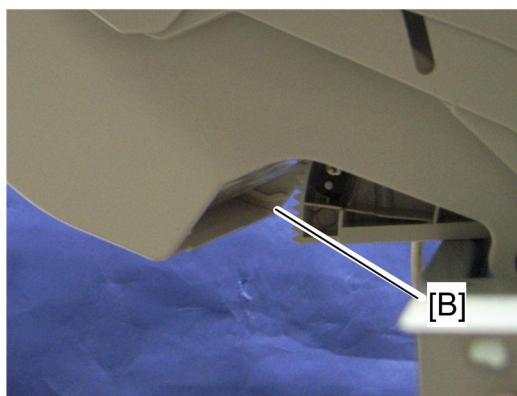
d429r106

1. Output tray lower cover [A] (🔩 x 3)

When installing the output tray lower cover

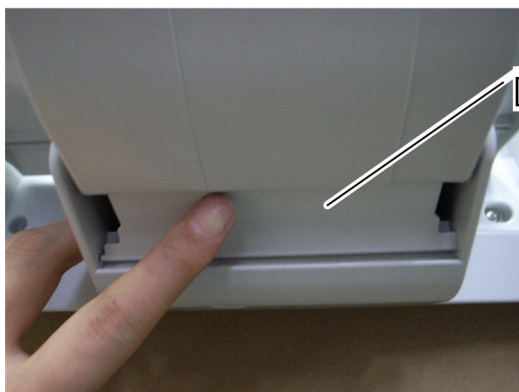


d390i548

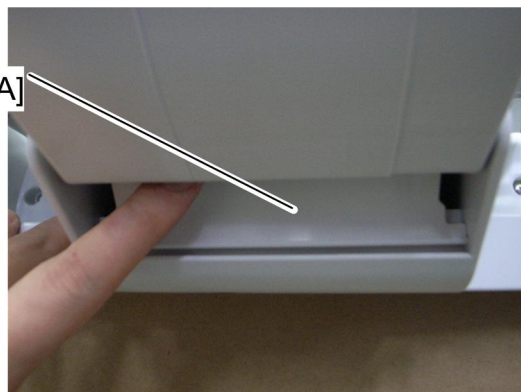


d390i549

1. The two projections [A] of the output tray lower cover (this plate is actually attached to the output tray lower cover) must be inserted along with two guide rails [B] inside the output tray unit.



d390i550



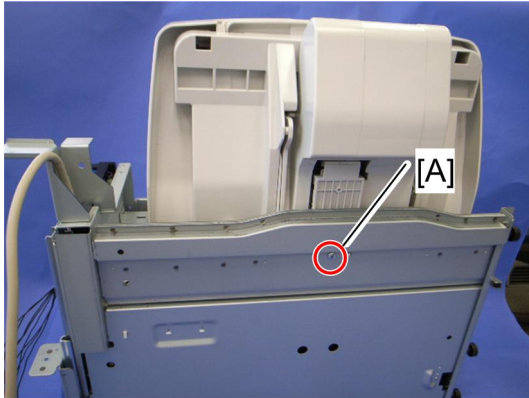
d390i551

2. Push the slide plate [A] to check if the output tray lower cover is correctly installed. The left side picture shows the correct result and right side picture shows the incorrect result.

Output Tray Unit

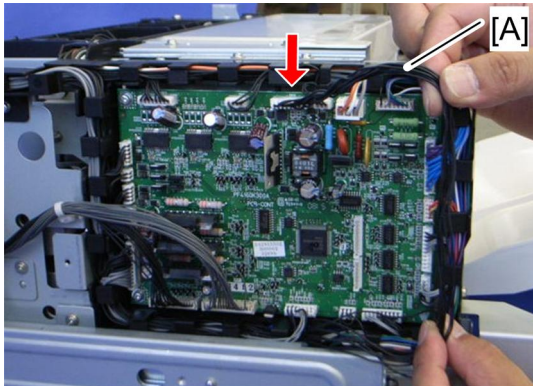
1. Output tray lower cover (➡ p.4)
2. Rear cover (➡ p.3)
3. Left rear cover (➡ p.3)
4. Rear inner cover (➡ p.3)

1



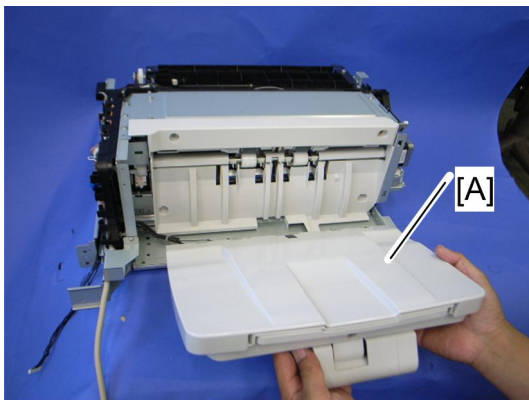
d429r104

5. Remove the screw [A].



d429r103

6. Disconnect the harness [A] (CN10), and make some slack in the cable.



d429r105

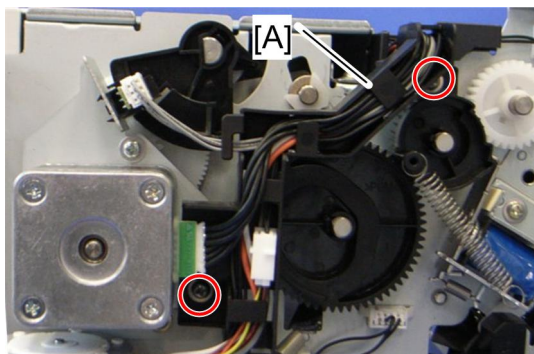
7. Output tray unit [A]

Motors

Pick-Up Roller Contact Motor

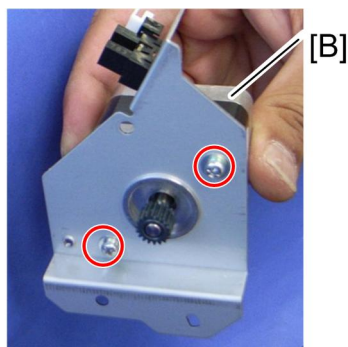
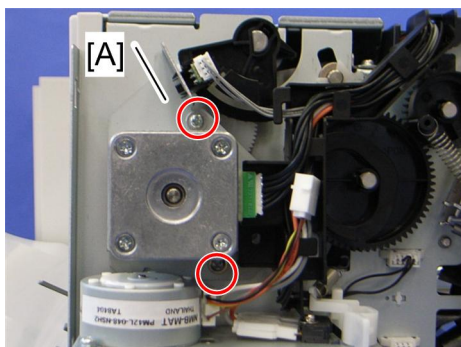
1

1. Front cover (☛ p.4)



d429r113

2. Loosen the harness guide [A] (☛ x 2)

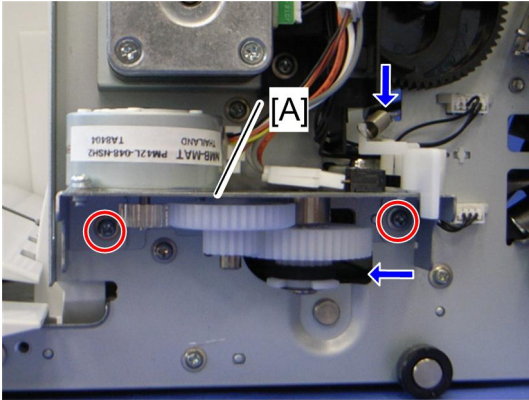


d429r114

3. Bracket with pick-up roller contact motor [A] (☛ x 2, ☛ x 1)
4. Pick-up roller contact motor [B] (☛ x 2)

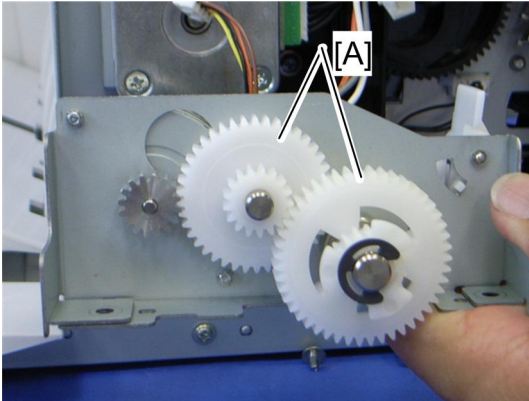
Stapler Unit Movement Motor

1. Front cover (☛ p.4)



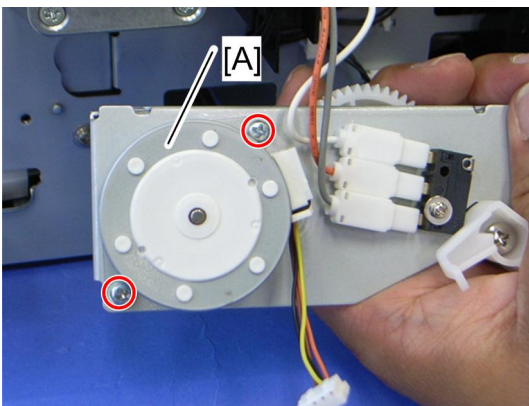
d429r115

2. Bracket with stapler unit movement motor [A] (⚙ x 2, spring x 1, belt)



d429r116

3. Two gears [A] (⚙ x 1)

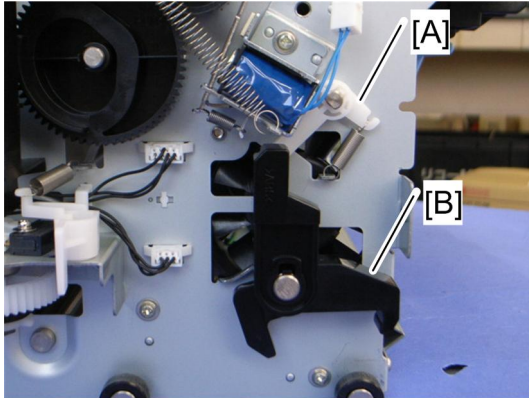


d429r117

4. Stapler unit movement motor [A] (⚙ x 2)

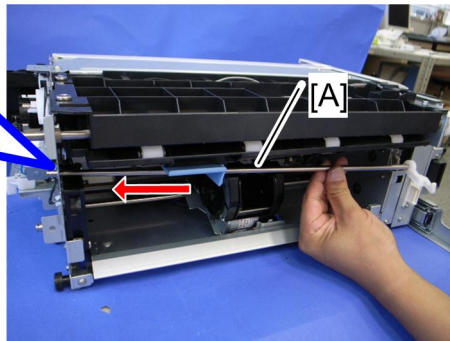
Stapler Unit

1. Front cover (☛ p.4)



d429r118

2. White lever [A] (spring x 1, hook)
3. Black lever [B] (hook)

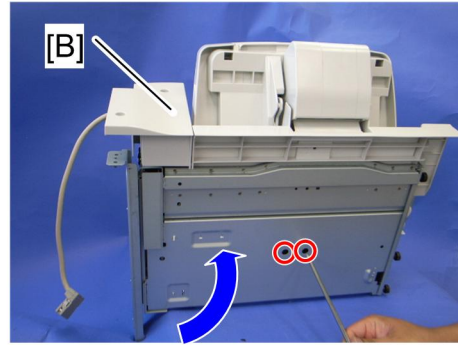
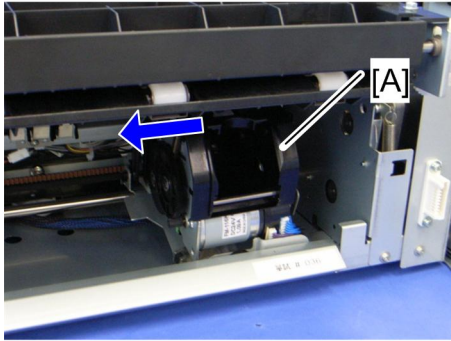


d429r119

4. Shaft [A] (☛ x 1)

↓ Note

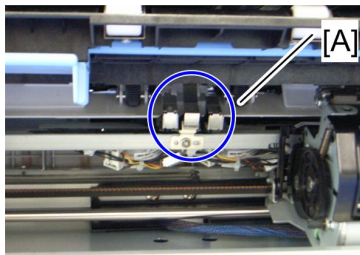
- Remove the green stapler cartridge first, to make this step more easy.



d429r122

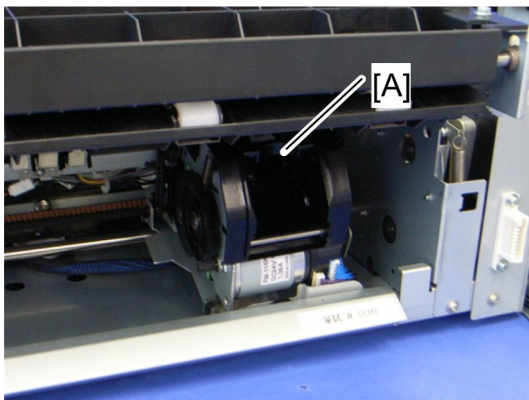
5. Move the stapler unit [A] to the center.
6. Stand the internal finisher [B] as shown above.
7. Remove two screws.

Note:



d429r123

Make sure that the end fences [A] are placed as shown above when replacing the stapler unit.



d429r124

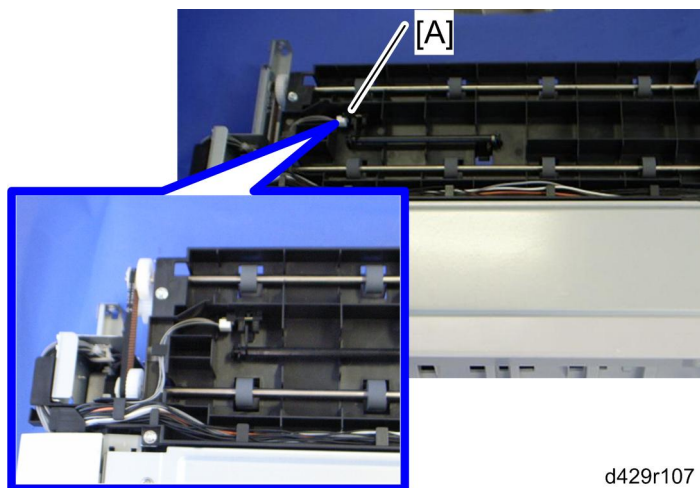
8. Move the stapler unit to the rear side, and then remove the stapler unit [A] (ⓘ x 2).

Sensors

Main Unit

1

Relay Sensor

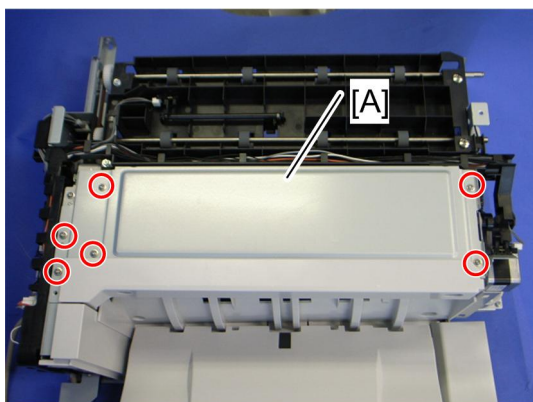


d429r107

1. Relay sensor [A] (hook, ㇏ x 1)

Belt Roller Position Sensor

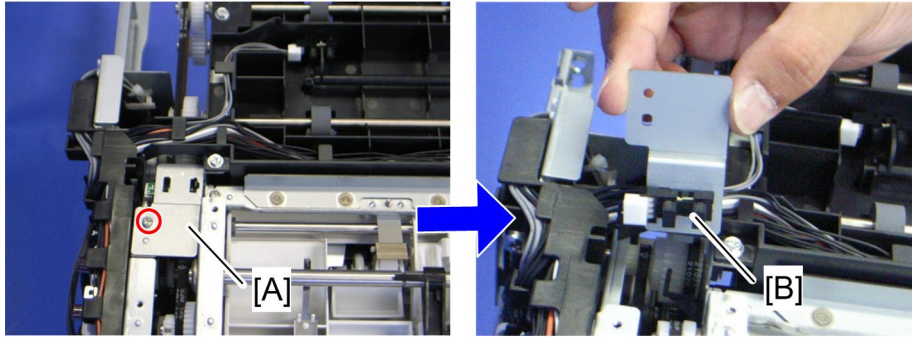
1. Rear cover (㇏ p.3)
2. Front cover (㇏ p.4)



d429r108

3. Top bracket [A] (㇏ x 6)

1

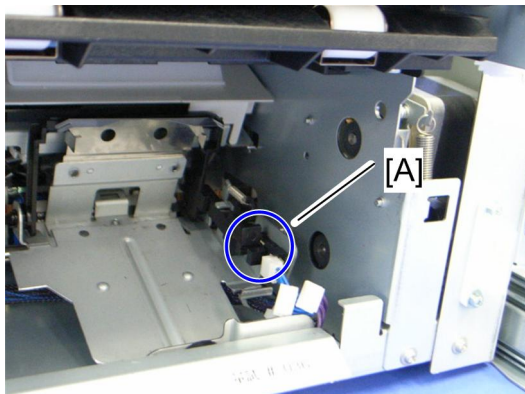


d429r109

4. Belt roller position sensor with the bracket [A] (🔧 x 1)
5. Belt roller position sensor [B] (hook, 🪝 x 1)

Stapler Safety Sensor

1. Stapler unit (🔧 p.9)

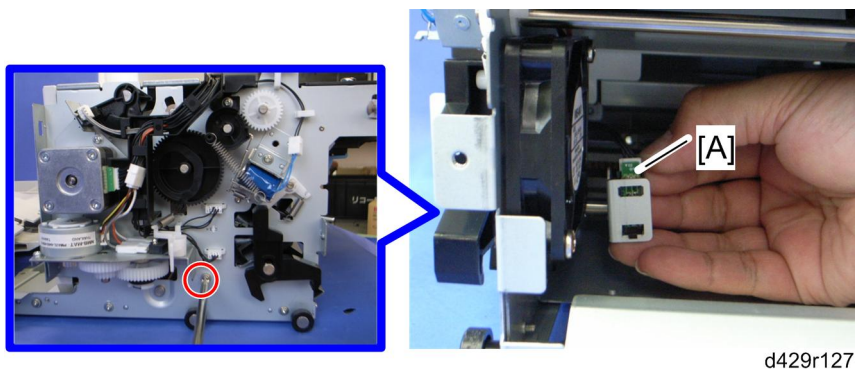


d429r125

2. Stapler safety sensor [A] (🪝 x 1, hook)

Stapler Unit HP Sensor

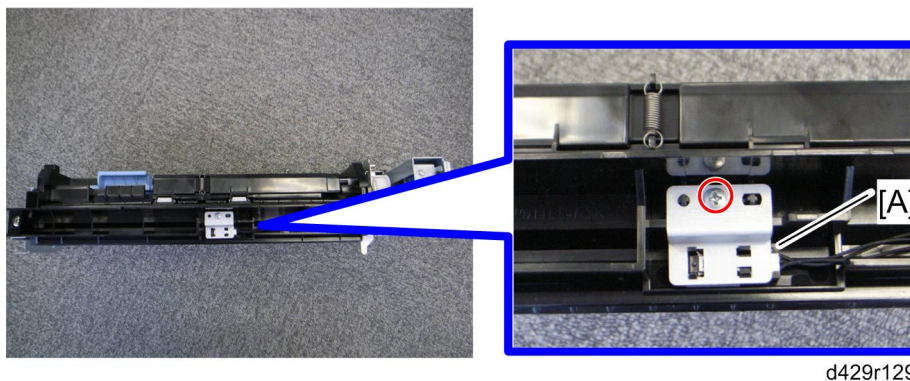
1. Front cover (🔧 p.4)



2. Bracket with stapler unit HP sensor (🔧 x 1)
3. Stapler unit HP sensor [A] (hook, 🪝 x 1)

Inverter Unit

Entrance Sensor

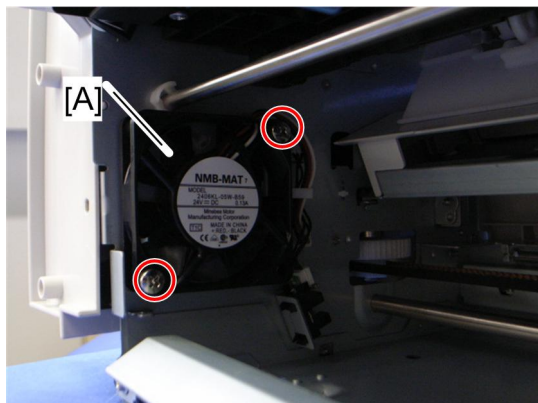


1. Bracket with entrance sensor (🔧 x 1)
2. Entrance sensor [A] (🪝 x 1, hook)

Fan

1

Front Fan

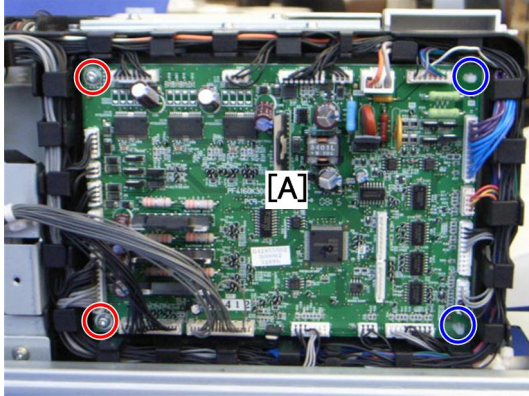


d429r126

1. Front fan [A] (🔧 x 2, 📏 x 1, 🛠️ x 1)

Main Board

1. Rear cover (🔧 p.3)
2. Left rear cover (🔧 p.3)



d429r128

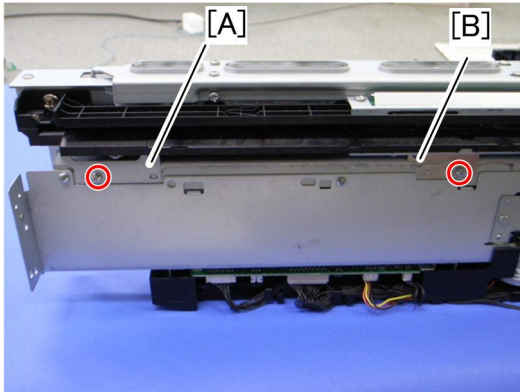
3. Main board (🔧 x 2, clip x 2, 📏 x all)

Punch Unit

★ Important

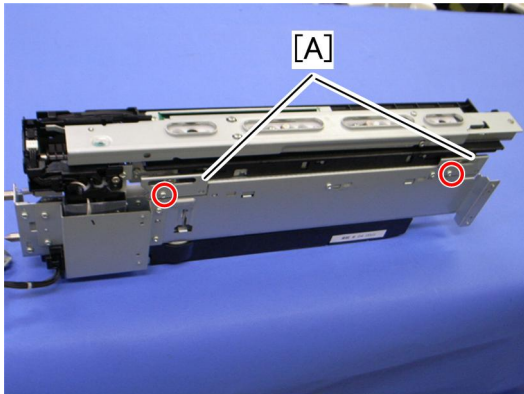
- The punch unit must be removed from the internal finisher for this procedure.

Punch Slider Unit



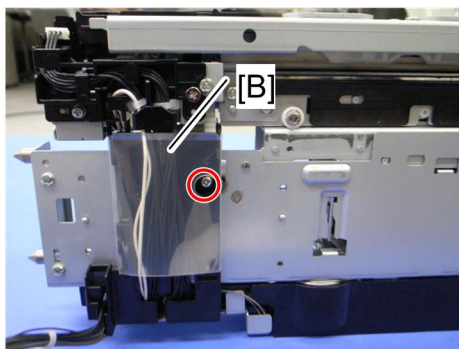
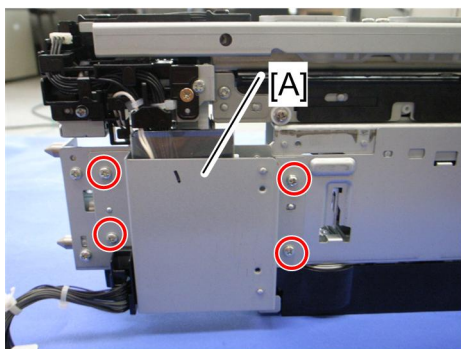
d429r139

1. Brackets [A] and ground plate [B] at the right side of the punch unit (⌀ x 1 each)



d429r138

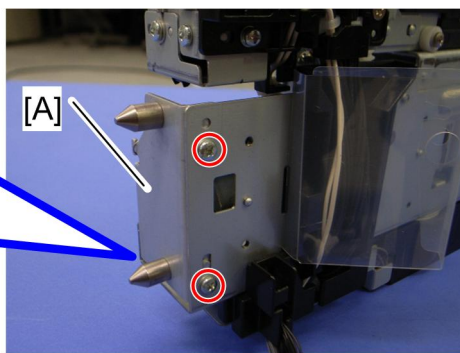
2. Brackets [A] at the left side of the punch unit (⌀ x 1 each)



d429r140

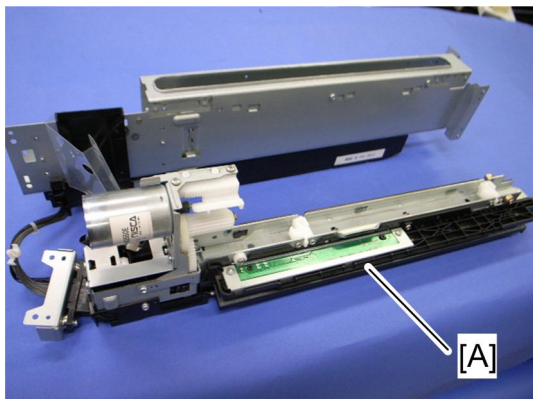
3. Harness bracket [A] (🔩 x 4)

4. Wire guide cover [B] (🔩 x 1)



d429r141

5. Positioning pins [A] (🔩 x 3, spring)



d429r142

6. Punch slider unit [A] (🔩 x all)

MEMO

MEMO

MEMO