

ARDF DF2020
Machine Code: D684
Field Service Manual

December, 2012
Subject to change

TABLE OF CONTENTS

1. ARDF DF2020 (D684)

Covers and Tray.....	3
Rear Cover.....	3
Front Cover and Original Tray.....	3
Document Feed Components.....	5
Original Feed Unit.....	5
Pick-Up Roller.....	5
Feed Belt.....	6
Separation Roller.....	7
Electrical Components.....	9
ARDF Drive Board and DF Position Sensor.....	9
Original Length Sensors and Original Sensor.....	10
Original Set Sensor.....	11
Original Size Sensors and Skew Correction Sensor.....	14
Stamp Solenoid.....	17
Original Exit Sensor.....	18
Registration Sensor.....	19
ARDF Cover Switch.....	20
Original Feed Drive.....	21
Feed Motor.....	21
Pick-up Solenoid.....	22
Inverter Solenoid.....	23
Feed Clutch.....	23
Transport Motor.....	24



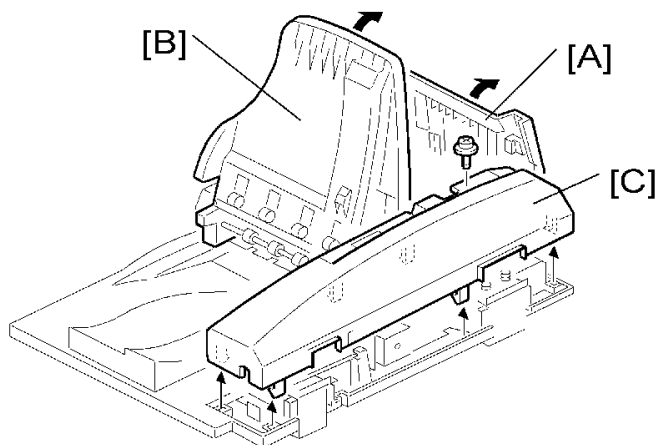
1. ARDF DF2020 (D684)

Covers and Tray

1

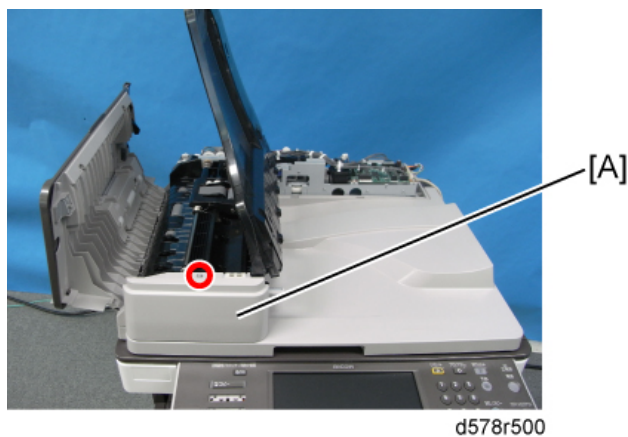
Rear Cover

1. Open the left cover [A].
2. Open the original tray [B].
3. Rear cover [C] (⚙ x 1, hook x 6)



Front Cover and Original Tray

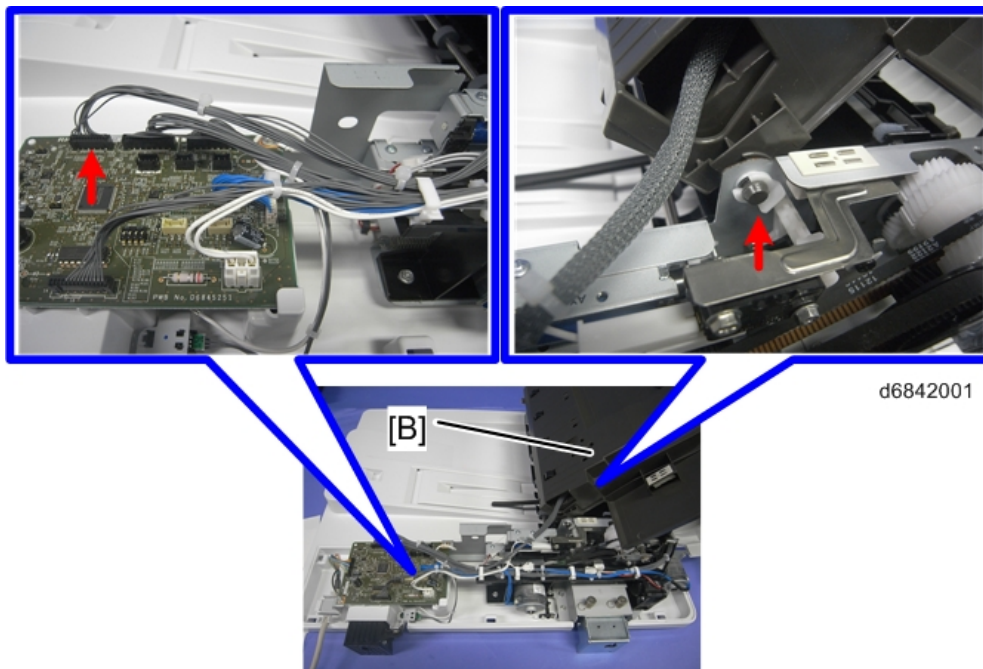
1. Open the left cover.
2. Rear cover (⚙ p.3 "Rear Cover")
3. Front cover [A] (⚙ x 1)



Note

- Keep the original tray open when you remove the front cover.

4. Original tray [B] (🔧 x 1, 🛠 x 1)



Document Feed Components

Original Feed Unit

1

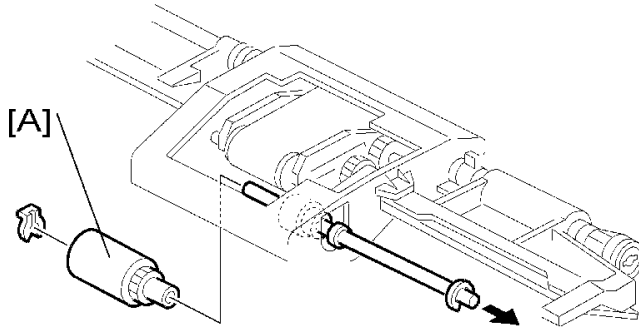
1. Open the left cover.
2. Original feed unit [A].



d578r502

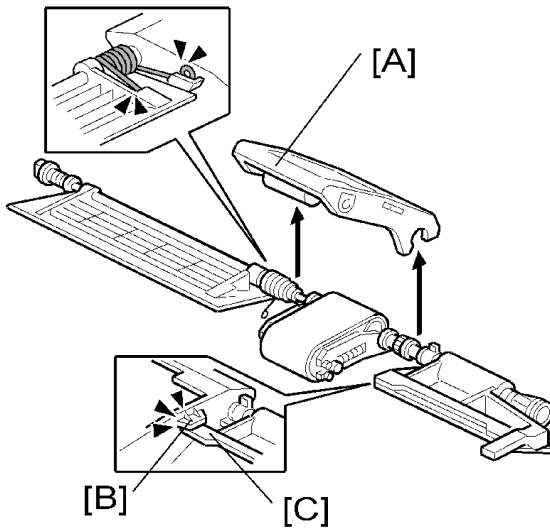
Pick-Up Roller

1. Open the left cover.
2. Original feed unit (p.5 "Original Feed Unit")
3. Pick-up roller [A] (x 1)



Feed Belt

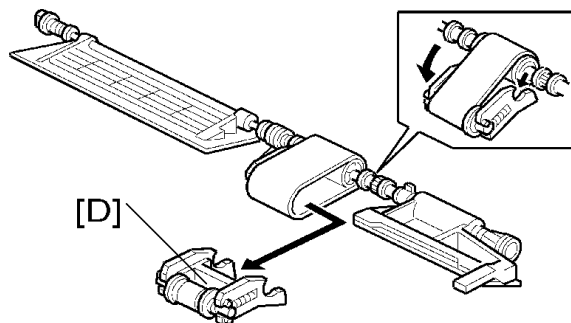
1. Open the left cover.
2. Original feed unit (p.5 "Original Feed Unit")
3. Feed belt cover [A] (spring x 1)



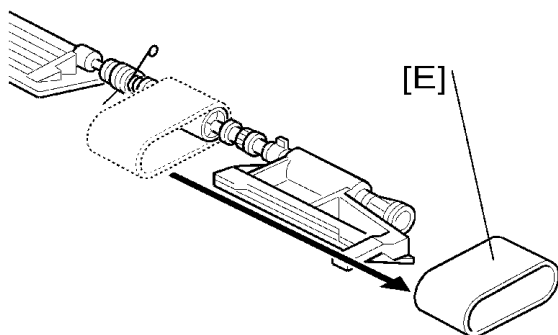
Note

- When reassembling the feed belt cover, make sure that the projection [B] of the feed belt cover is on the guide plate rear [C].

4. Belt tension unit [D]



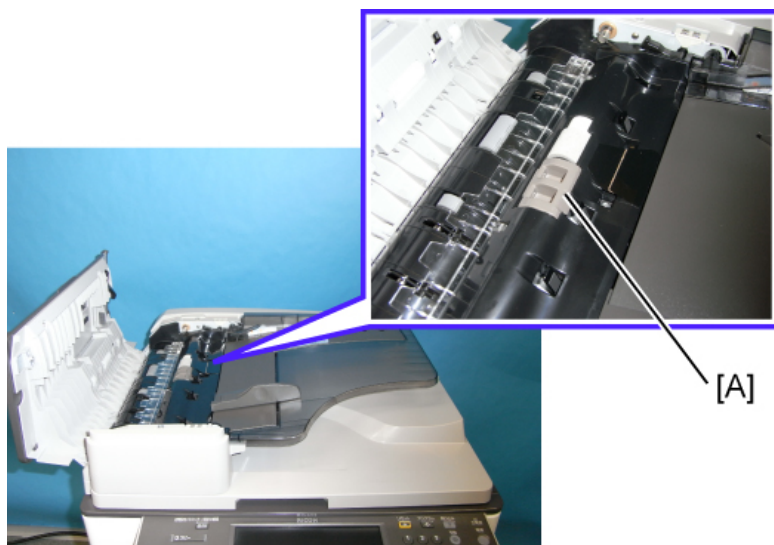
5. Feed belt [E].



Separation Roller

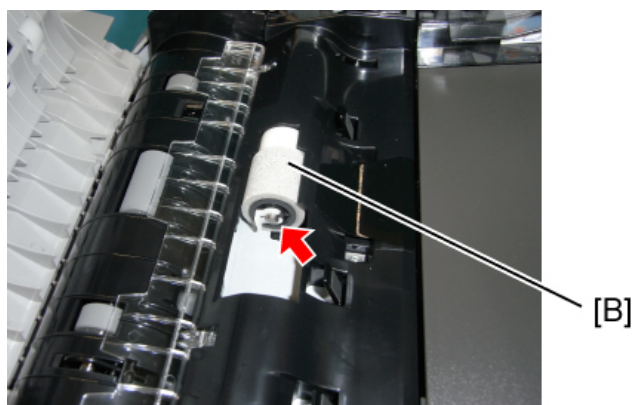
1. Original Feed Unit (Refer to p.5 "Original Feed Unit")
2. Separation roller cover [A].

1



d578r503

3. Separation roller [B] (🌀 x 1)



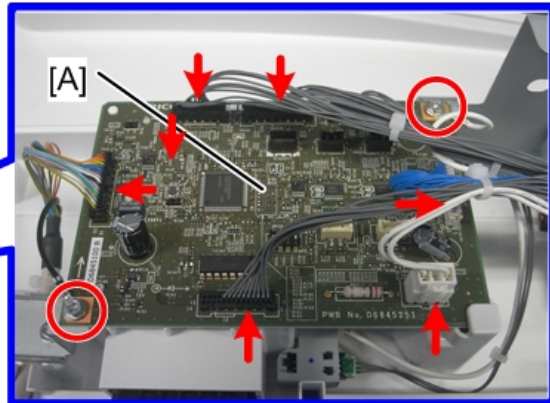
d578r504

Electrical Components

ARDF Drive Board and DF Position Sensor

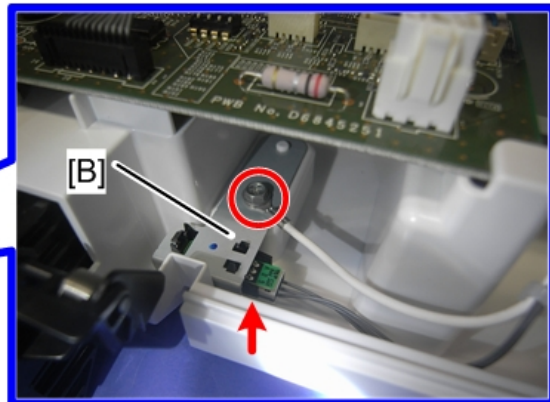
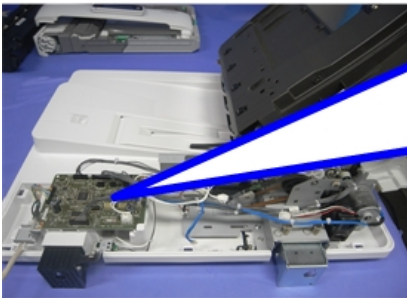
1

1. Rear cover (hook x 3 "Rear Cover")
2. ARDF drive board [A] (hook x 3, all screws)



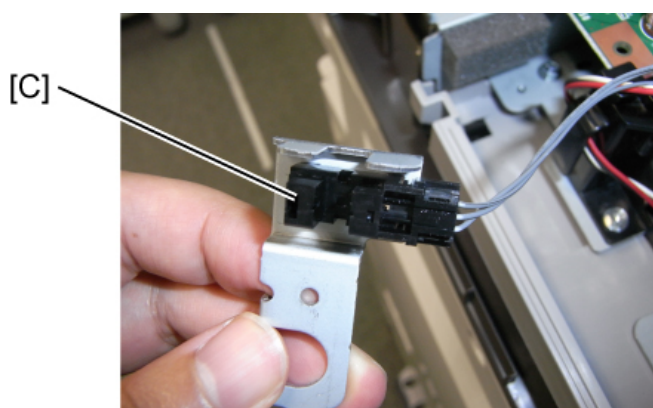
d6842007

3. DF position sensor with bracket [B] (hook x 1, screw x 1)



d6842008

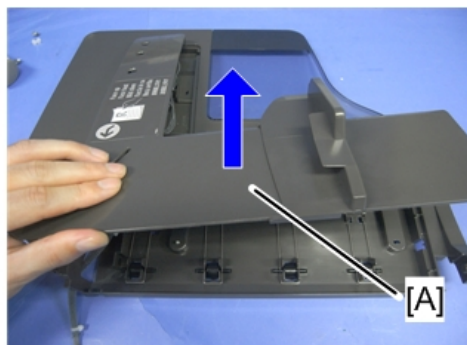
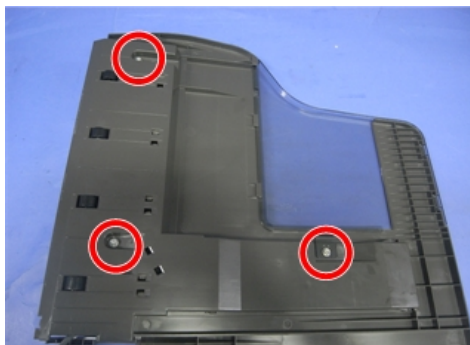
4. DF position sensor [C] (hook x 2)



d578r507

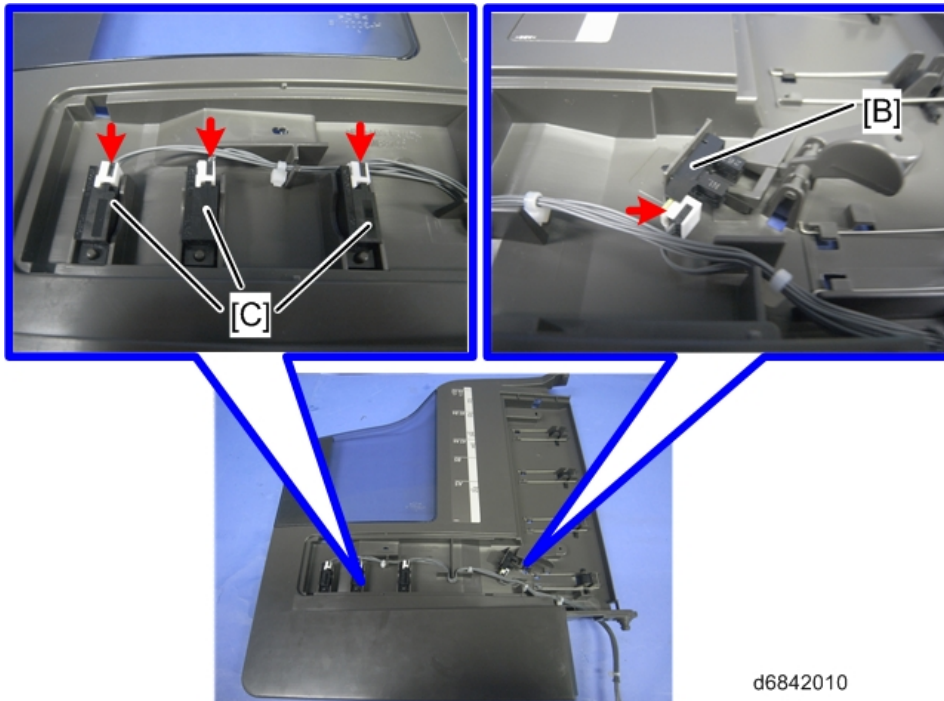
Original Length Sensors and Original Sensor

1. Original Tray (Ref p.3 "Front Cover and Original Tray")
2. Tray cover [A] (x 3)



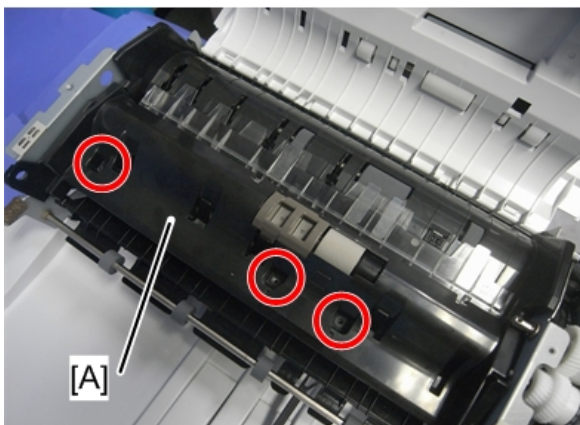
d6842009

3. Original sensor [B] (x 1)
4. Original length sensors [C] (x 1 each)



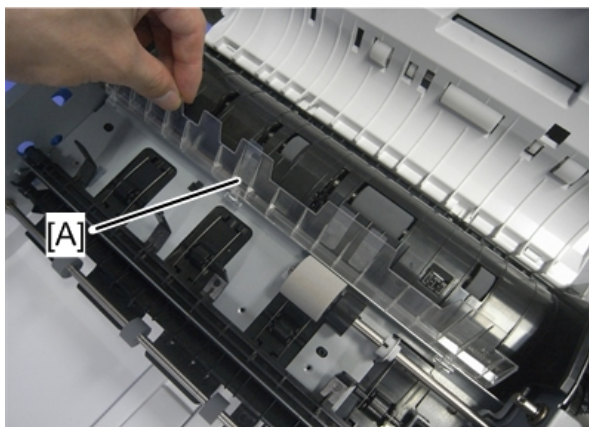
Original Set Sensor

1. Open the left cover.
2. Original feed unit (p.5 "Original Feed Unit")
3. Original tray (p.3 "Front Cover and Original Tray")
4. Original feed-in guide plate [A] (x 3).



5. Feed guide [A]

1

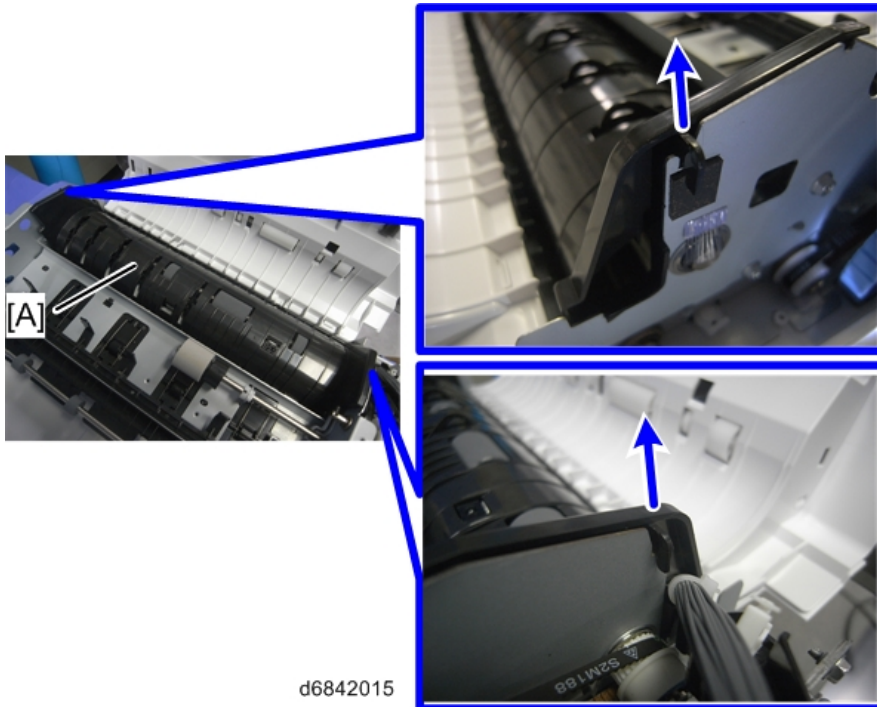


d6842013

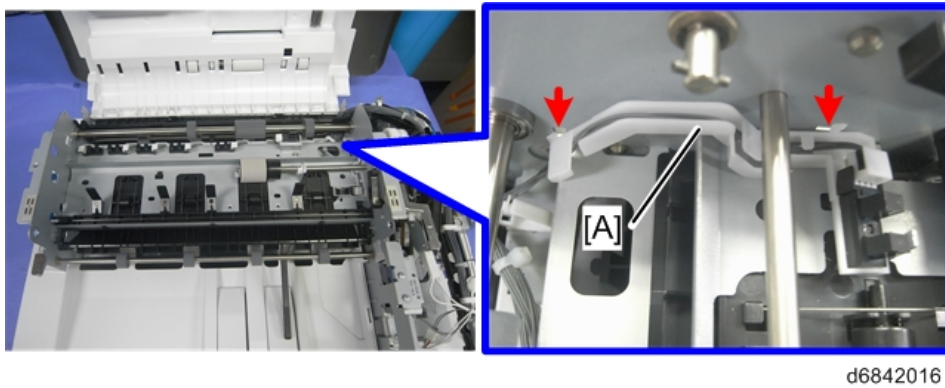
6. Original turn guide plate [A] (hook x 1).



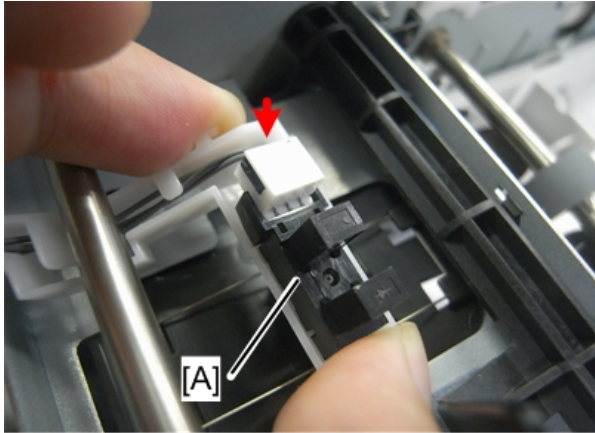
d6842014



7. Original set sensor bracket [A] (1 x 1)



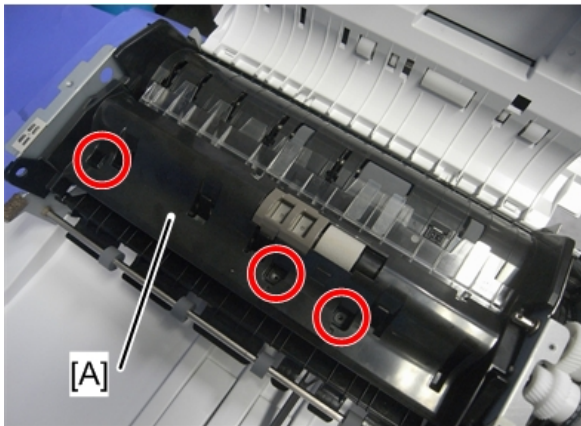
8. Original set sensor [A]



d6842017

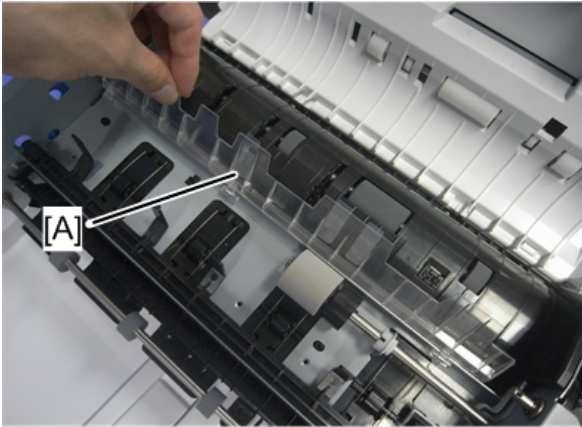
Original Size Sensors and Skew Correction Sensor

1. Open the left cover.
2. Original feed unit (p.5 "Original Feed Unit")
3. Original tray (p.3 "Front Cover and Original Tray")
4. Original feed-in guide plate [A] (x 3).



d6842012

5. Feed guide [A]

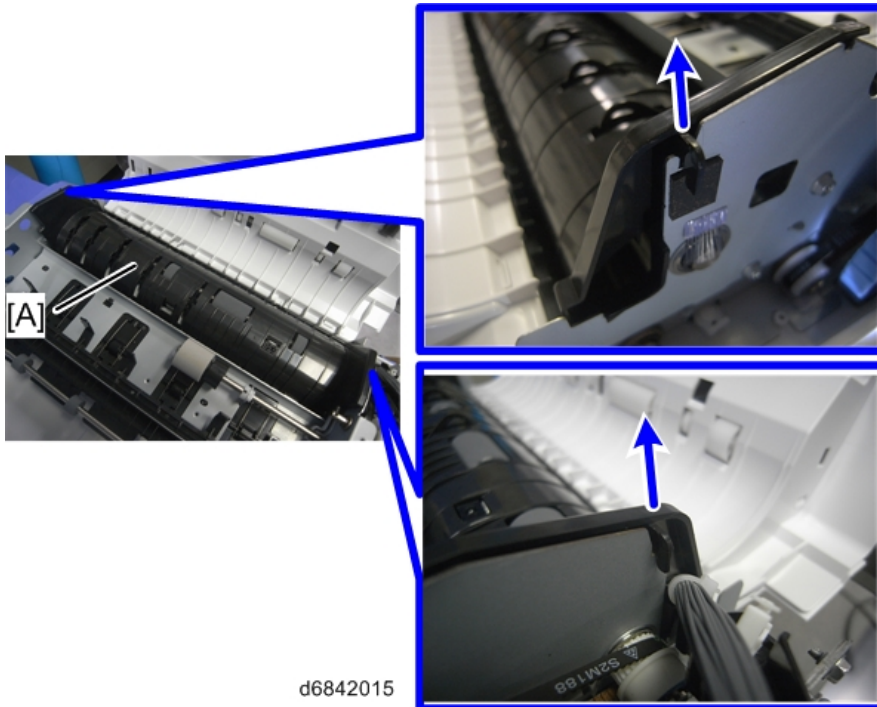


d6842013

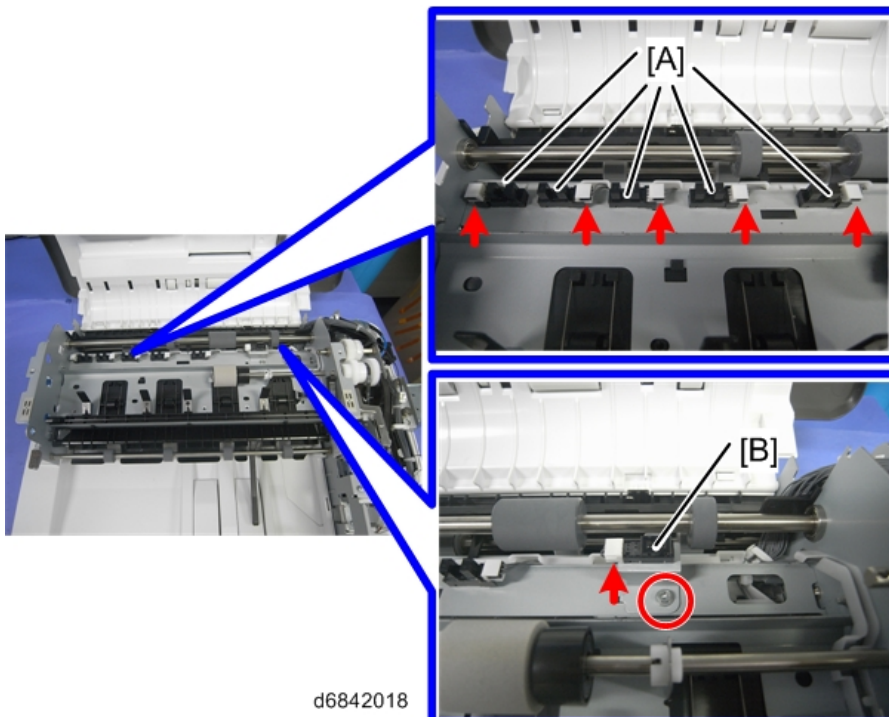
6. Original turn guide plate [A] (hook x 1).



d6842014

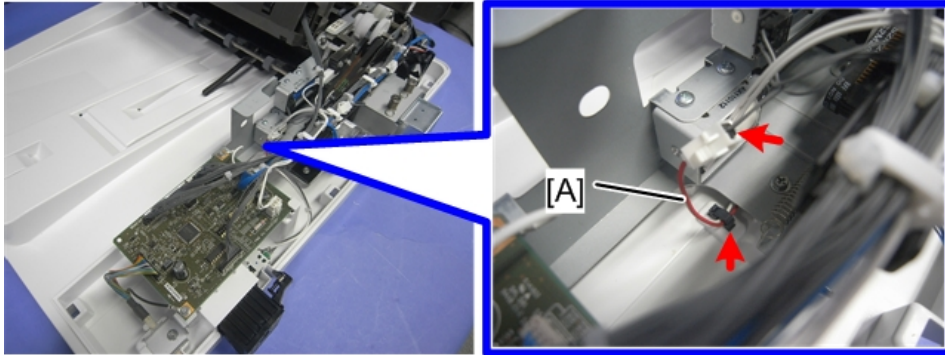


7. Original width sensors [A] ( x 1 each) and skew correction sensor [B] with bracket ( x 1,  x 1)



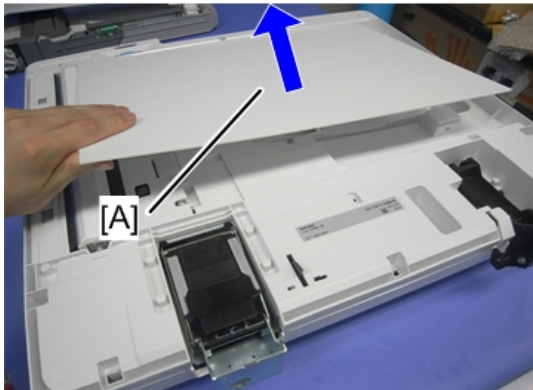
Stamp Solenoid

1. Rear cover (p.3 "Rear Cover")
2. Stamp solenoid harness [A] (x 1, x 1)



d6842023

3. Open the ARDF.
4. Remove the platen sheet [A].



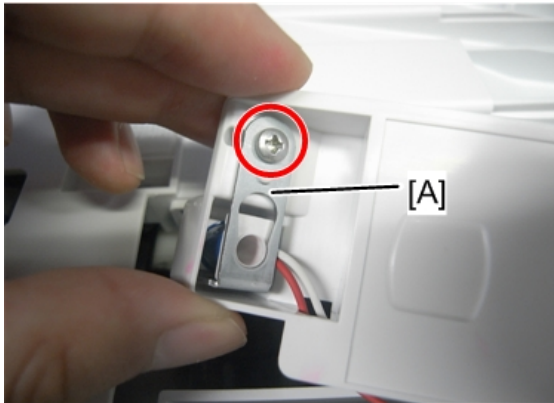
d6842020

5. Stamp solenoid cover [A] (x 1)



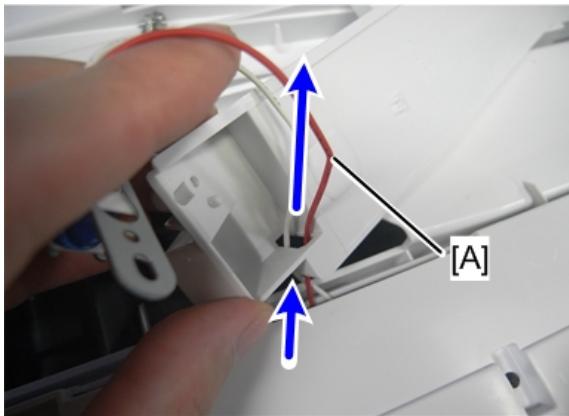
d6842021

6. Stamp solenoid [A] (🔩 x 1)



d6842022

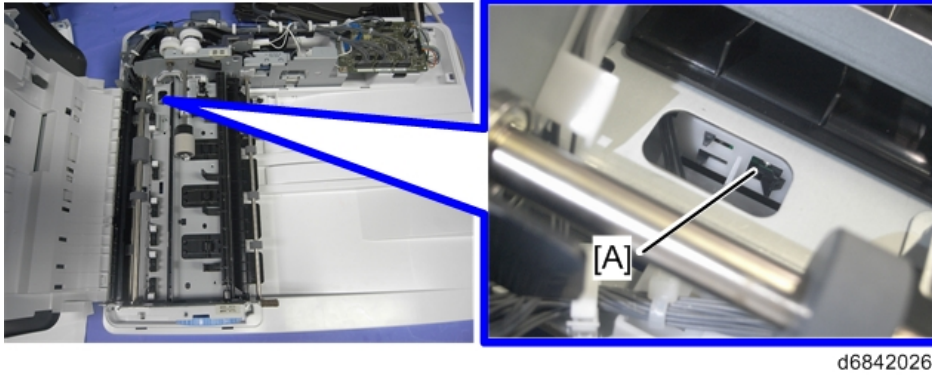
7. Pull out the harness [A].



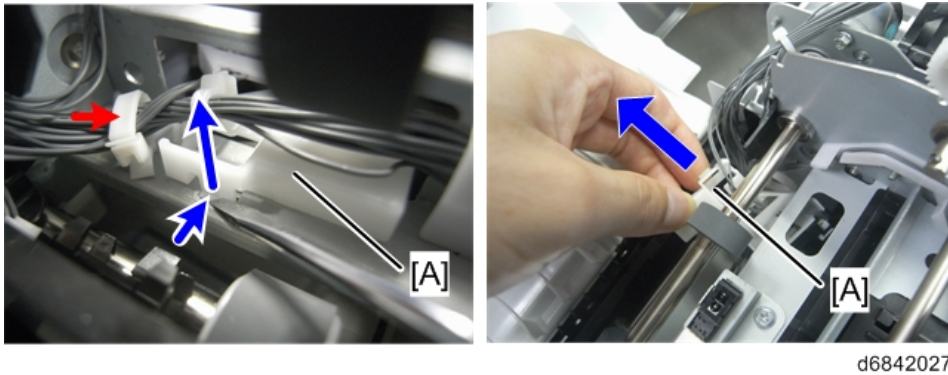
d6842030

Original Exit Sensor

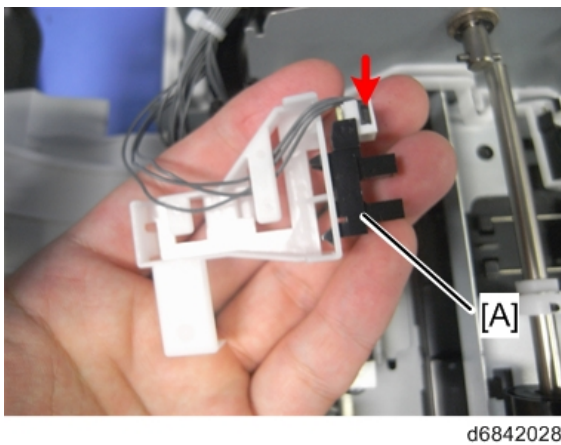
1. Open the left cover.
2. Original feed unit (🔍 p.5 "Original Feed Unit")
3. Original tray (🔍 p.3 "Front Cover and Original Tray")
4. Original feed-in guide plate (🔍 p.11 "Original Set Sensor")
5. The Original Exit Sensor is located in the ARDF mainframe [A].



6. Original exit sensor bracket [A]



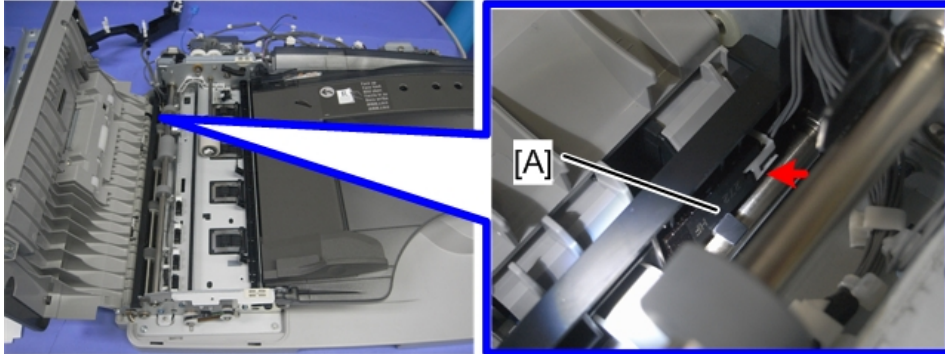
7. Original exit sensor [A]



Registration Sensor

1. Open the left cover.

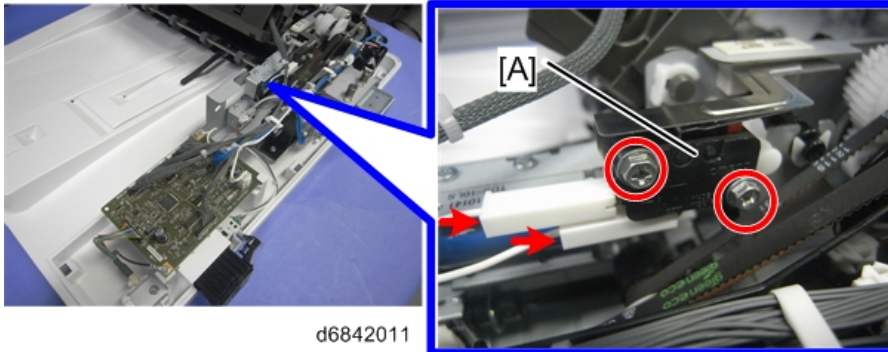
2. Original feed unit (p.5 "Original Feed Unit")
3. Original tray (p.3 "Front Cover and Original Tray")
4. Original feed-in guide plate (p.11 "Original Set Sensor")
5. Registration sensor [A] (x 1)



d7242002

ARDF Cover Switch

1. Rear cover (p.3 "Rear Cover")
2. ARDF Cover Switch [A] (x 2)



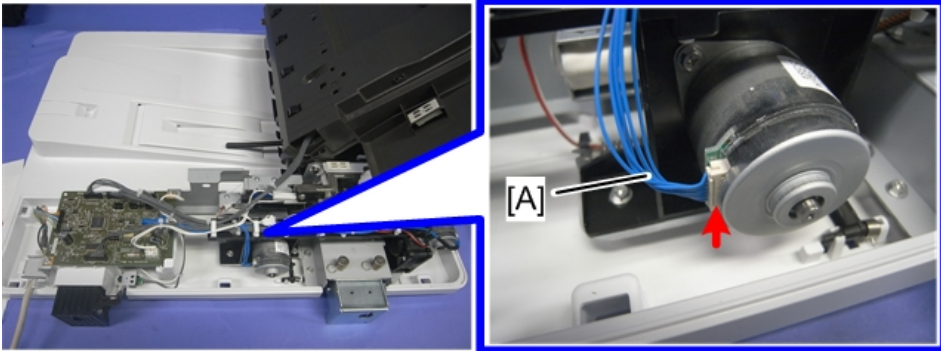
d6842011

Original Feed Drive

Feed Motor

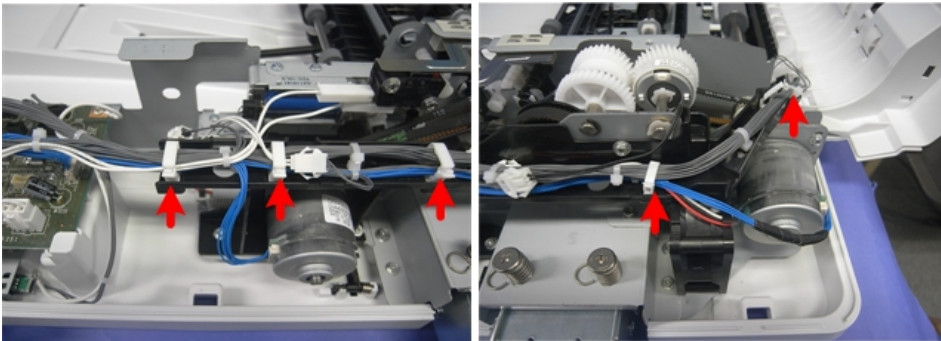
1

1. Rear cover (p.3 "Rear Cover")
2. Feed motor harness [A] (x 1)

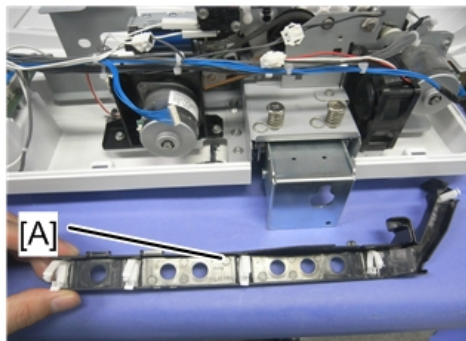


d6842003

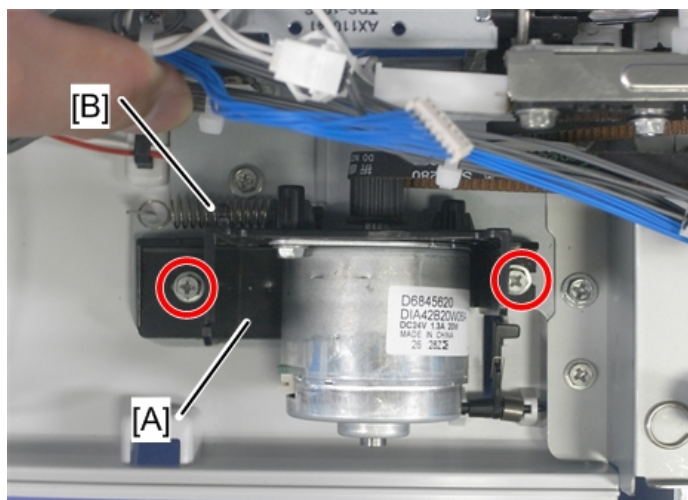
3. Harness guide [A] (x 5)



d6842002

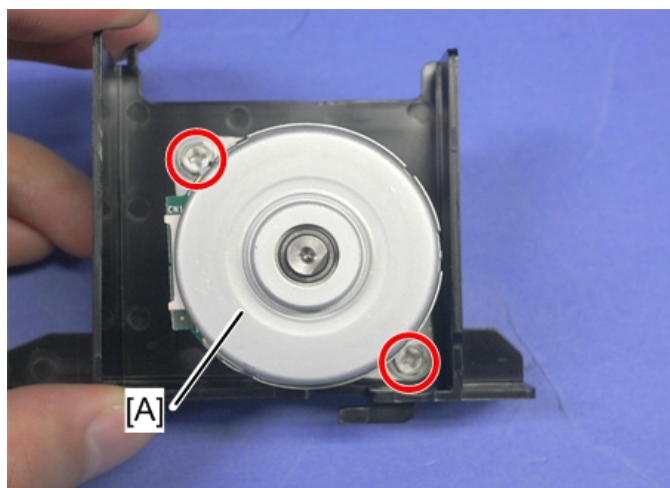


4. Feed motor with bracket [A] (x 2, spring [B] x 1)



d6842004

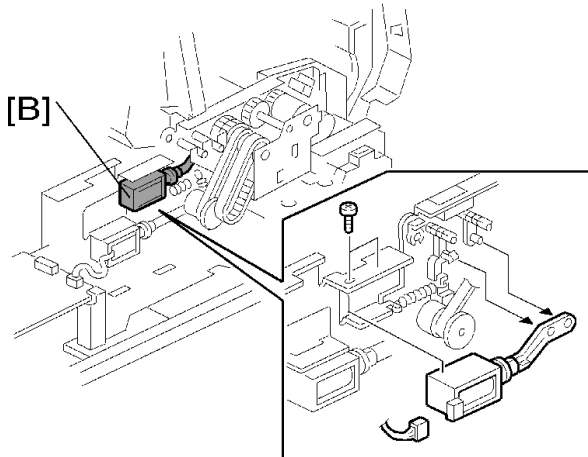
5. Feed motor [A] (🔩 x 2)



d6842005

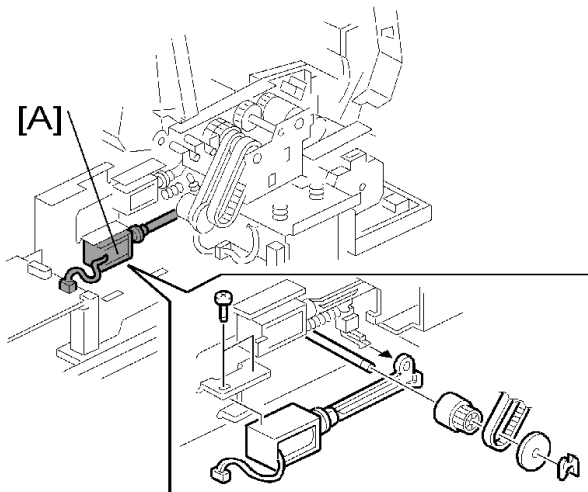
Pick-up Solenoid

1. Rear cover (🔩 p.3 "Rear Cover")
2. Harness guide (🔩 p.21 "Feed Motor")
3. Pick-up solenoid [B] (🔩 x 2, 📦 x 1)



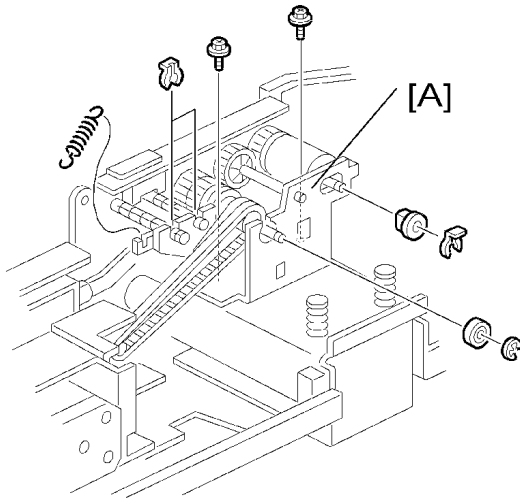
Inverter Solenoid

1. Rear cover (p.3 "Rear Cover")
2. Harness guide (p.21 "Feed Motor")
3. Inverter solenoid [A] (x 2, x 1, x 1, gear x 1, gear cover x 1)

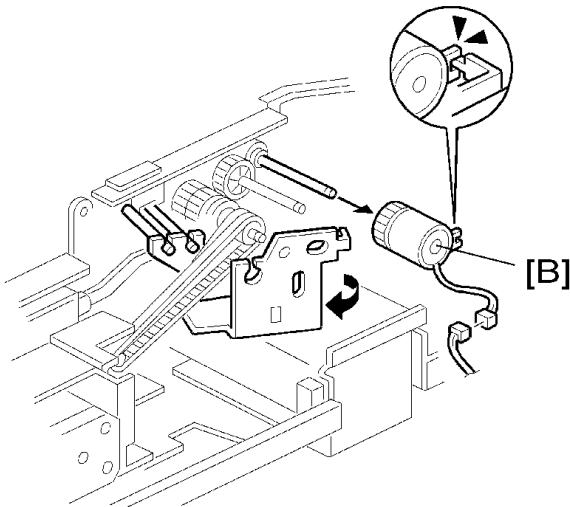


Feed Clutch

1. Rear cover (p.3 "Rear Cover")
2. Harness guide (p.21 "Feed Motor")
3. Bracket [A] (x 2, x 3, x 1, bushing x 1, spring x 1)

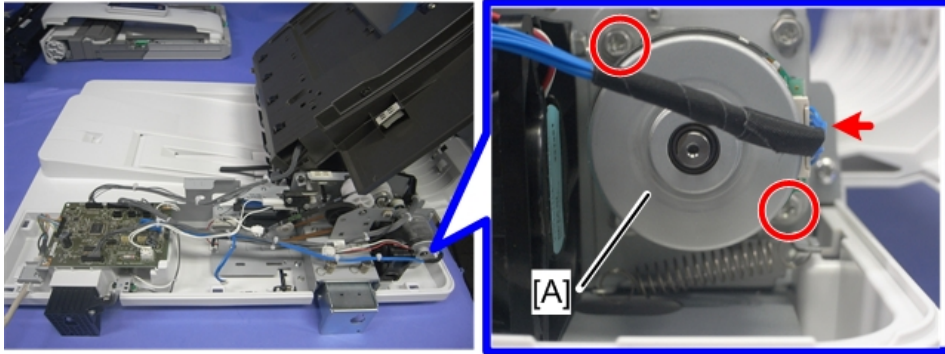


4. Slide the bracket.
5. Feed clutch [B] ( x 1)



Transport Motor

1. Rear cover ( p.3 "Rear Cover")
2. Harness guide ( p.21 "Feed Motor")
3. Transport motor [A] ( x 2,  x 1)



d6842006

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