

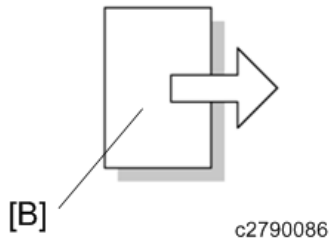
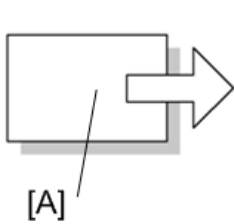
Punch Unit PU5020
Machine Code: D449
Field Service Manual
Ver 1.00

Latest Release: Jan, 2017
Initial Release: Jan, 2017
Copyright (c) 2017 Ricoh Co.,Ltd.

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
	Screw: Blue
	Connector
	Clamp
	E-ring
	Flat Flexible Cable
	Timing Belt
	Hook (sensors)
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)

Table of Contents

- 1. Replacement and Adjustment.....2
 - Motors 2
 - Punch Movement Motor..... 2
 - Punch Drive Motor..... 3
 - Sensors..... 4
 - Punch Unit HP Sensor..... 4
 - Punch Unit Motor Pulse Sensor 4
 - Punch-out Hopper Full Sensor 5
 - Board 6
 - Punch Unit PCB 6

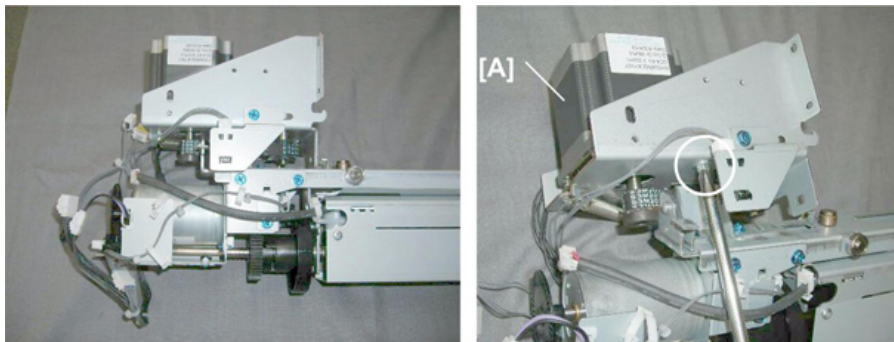
1. Replacement and Adjustment

Motors

Punch Movement Motor

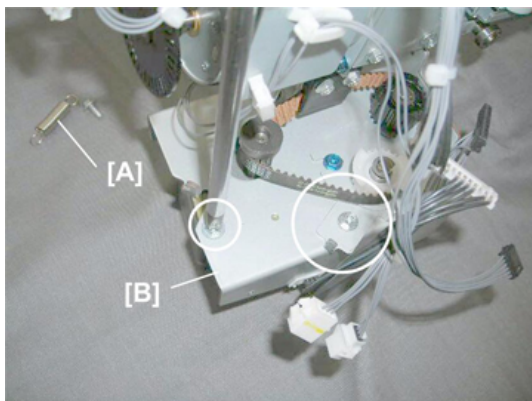
Preparation

- Punch unit (Refer to installation procedure.)
1. Punch movement motor bracket [A] (🔩 x1)



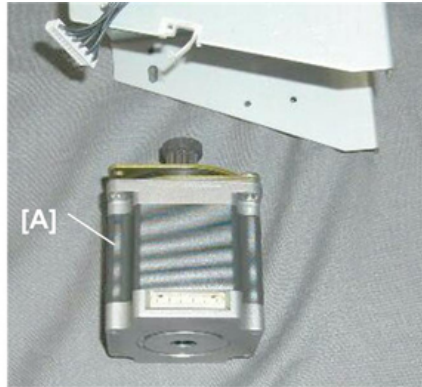
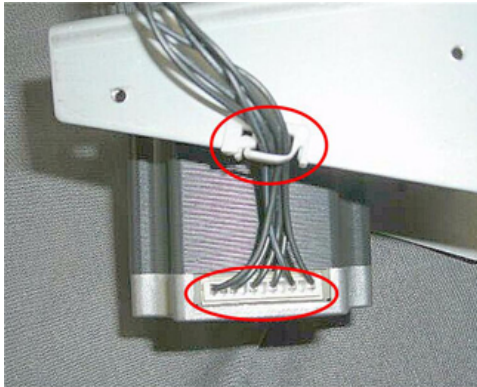
d434r177

2. Remove:
[A] Spring (🌀x1)
[B] Bracket (🔩 x1)



d434r178

3. Disconnect motor [A] (🔌 x1, 📦 x1)



d434r179

Punch Drive Motor

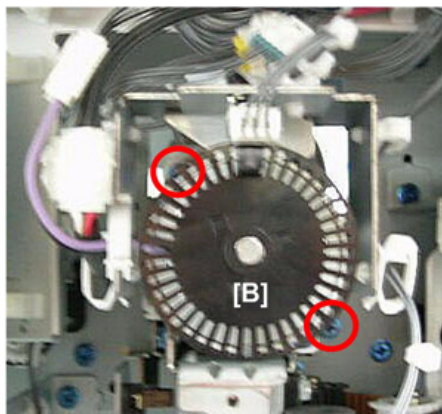
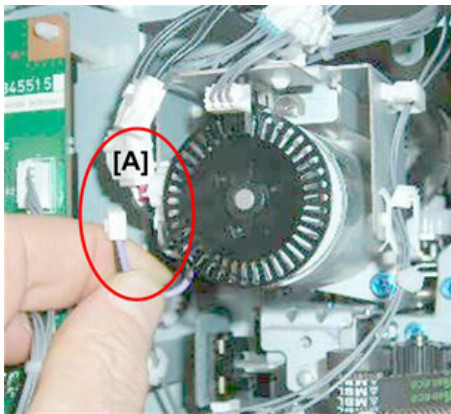
Preparation

- Rear upper cover

1. Disconnect:

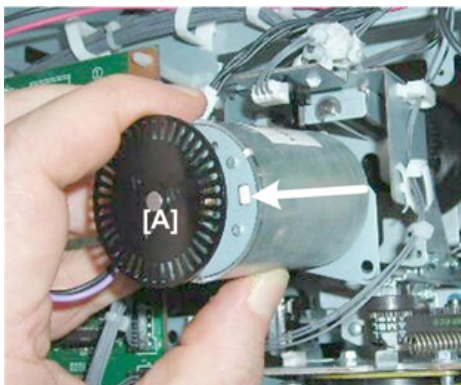
[A] Motor (🔌 x1, 📦 x1)

[B] Bracket (🔌 x2)



d434r181

2. Remove motor [A].



d434r182

Sensors

Punch Unit HP Sensor

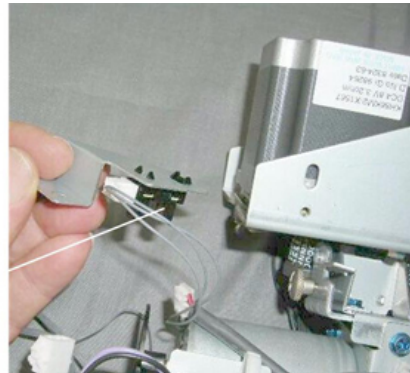
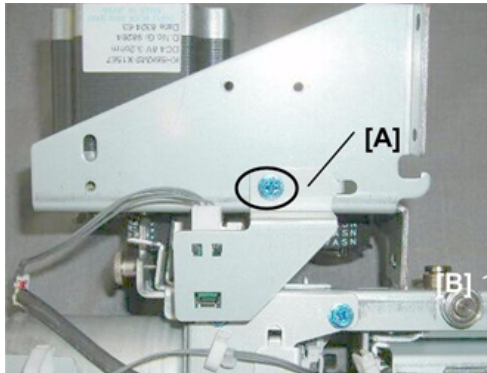
Preparation

- Punch unit (Refer to installation procedure)

1. Remove:

[A] Sensor bracket (🔩 x1)

[B] Sensor (📦 x1, Pawls x5)



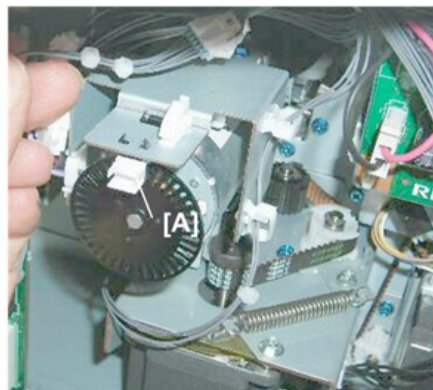
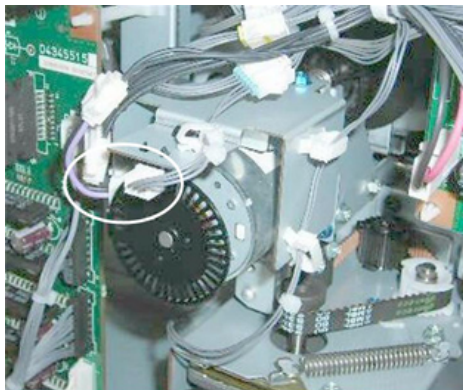
d434r180

Punch Unit Motor Pulse Sensor

Preparation

- Rear upper cover

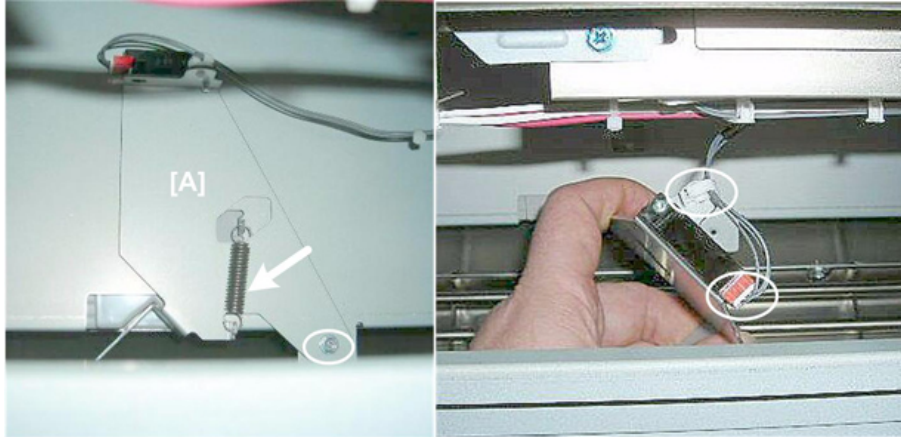
1. Sensor [A] (🔩 x1, 📦 x1, ▼ x5)



d434r183

Punch-out Hopper Full Sensor

1. Sensor swing plate [A] (Spring x1,  x1,  x1,  x1)



d434r184

2. Sensor ( x1)



d434r184a

Board

Punch Unit PCB

Preparation

- Rear finisher upper cover
 - Rear finisher lower cover
1. Remove the punch unit PCB (🔧 x6, 🛠 x4).



d434r412