

**Paper Feed Unit TK1090/1100
and TK1120/1130
Machine Codes:
M375/M376 and M386/M389
Field Service Manual**

9 March, 2011

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

: Clamp

: Clip ring


: E-ring

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1. Replacement and Adjustment

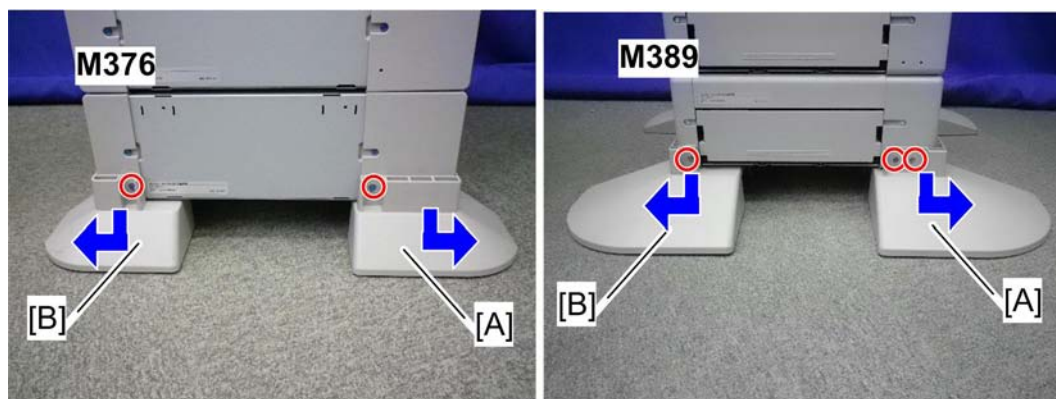
External Covers

1

⚠ CAUTION

- Turn off the main power switch and unplug the machine before attempting any procedure in this section.

Caster Covers (M376/M389 only)



m375r500

1. Caster left cover [A] (M376: x 1, M389: x 2, bracket x 1)
2. Caster right cover [B] (x 1)

Left Cover

1. For M376/M389, remove the caster left cover (p.3).

1



m375r501

2. Pull out the target paper tray [A].



m375r502

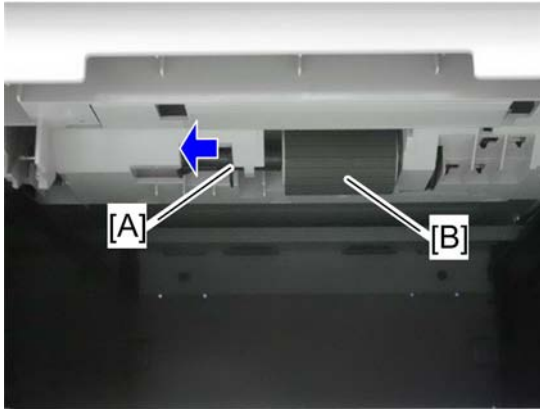
3. Left cover [A] ( x 2)

Paper Feed

Paper Feed Roller

1

1. Pull out the target paper tray.



m375r503


2. Slide the paper feed roller holder [A] to the left.
3. Paper feed roller [B]


Remaining Paper Sensors

1. Take out the main frame and paper feed unit(s) on the target paper feed unit.



m375r504

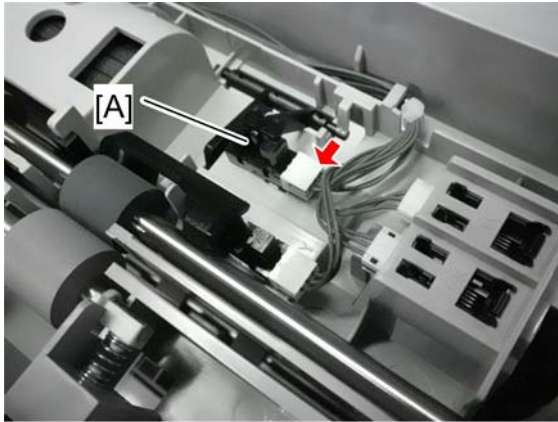
2. Remaining paper sensor 1 [A] (hooks,  x 1)
 - Use the black connector when reassembling the remaining paper sensor 1.

3. Remaining paper sensor 2 [B] (hooks,  x 1)
 - Use the white connector when reassembling the remaining paper sensor 2.

1

Paper End Sensor

1. Take out the main frame and paper feed unit(s) on the target paper feed unit.
2. Take out the target paper tray.

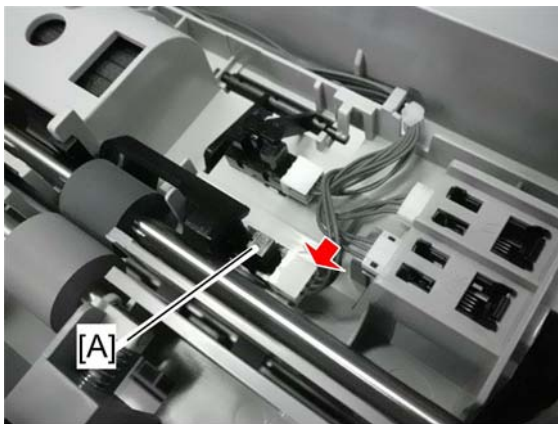


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3. Paper end sensor [A] (hooks,  x 1)

Vertical Transport Sensor

1. Take out the main frame and paper feed unit(s) on the target paper feed unit.
2. Take out the target paper tray.



m375r506

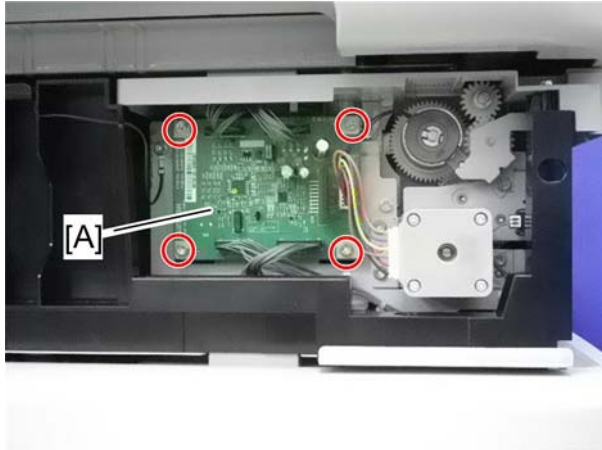
1. Paper end sensor [A] (hooks,  x 1)

Electrical Components

Drive Board

1

1. Left cover (p.3)

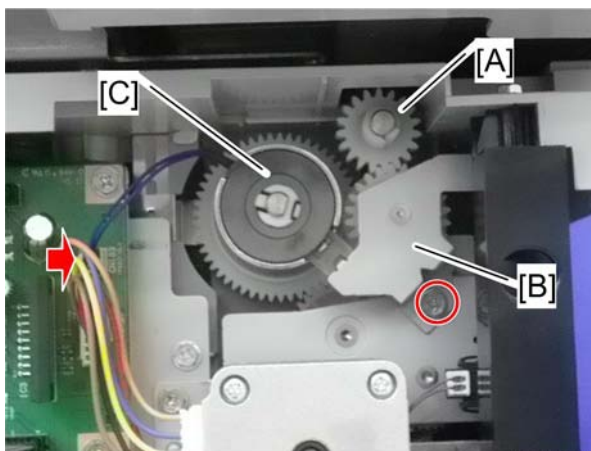


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2. Drive board [A] (x all, x 4)

Paper Feed Clutch

1. Left cover (p.3)



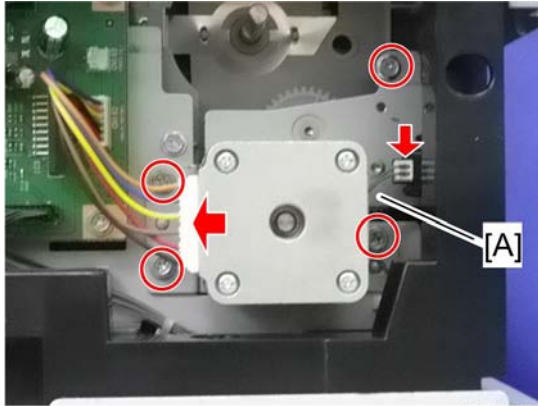
m375r508

2. Gear [A] (hook)
3. Gear bracket [B] (x 1)

4. Paper feed clutch [C] (🔧 x 1)

Paper Feed Motor

1. Left cover (🔧 p.3)
2. Paper feed clutch (🔧 p.7)



m375r509

3. Paper feed motor bracket [A] (🔧 x 2, 🔧 x 4)

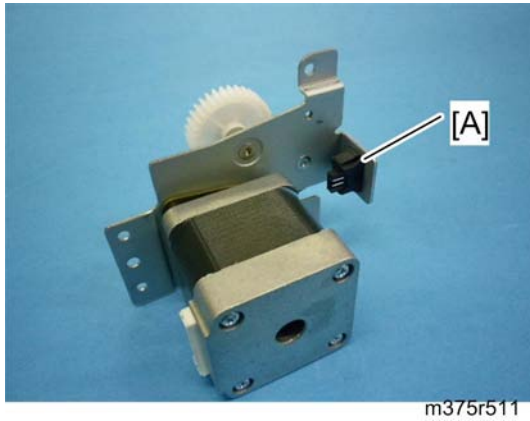


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4. Paper feed motor [A] (🔧 x 2, timing belt x 1)

Paper Tray Set Switch

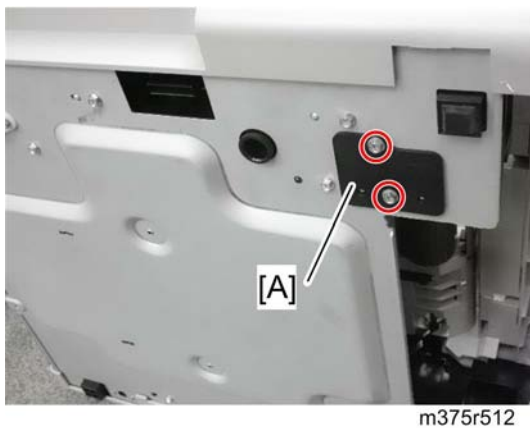
1. Paper feed motor bracket (🔧 p.8)



2. Paper tray set switch [A] (hooks)

Paper Size Sensors

1. Remove the target paper feed unit.
2. Pull out the target paper tray.



3. Sensor box [A] under the bottom of the paper feed unit ( x 2)



m375r513

4. Paper size sensor 1 [A], 2 [B], 3 [C] (x 1, hooks each)
- Use the white connector when reassembling the paper size sensor 1.
 - Use the blue connector when reassembling the paper size sensor 2.
 - Use the yellow connector when reassembling the paper size sensor 3.