

Attached Sheet 2. Replacement procedure for RJ-900X Grid roller support

Quality Assurance Center
2018/10/12

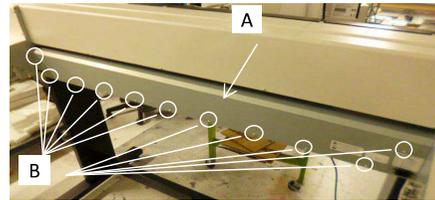
Required Tool & Maintenance Parts

Items	Drawing No.	Remark
Phillips screwdriver no.2	Commercial item	
Hex wrench (2.5mm)	Commercial item	
Spring scale (1kgf)	Commercial item	
Grid Roller Support Replacement Kit	DG-48543	
Grid Roller Support Replacement Jig	DG-48544	
Rectangular film	Make it yourself	See 7-1
Spacer (0.2mm)	Commercial item	

Caution: Disconnect the power cable before replacing.
There is a risk of electric shock due to standby current.

1. Remove screws (x11), and remove Paper Guide R2.

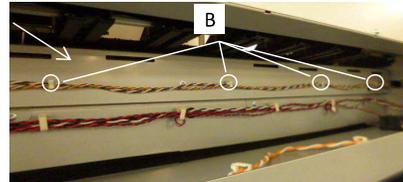
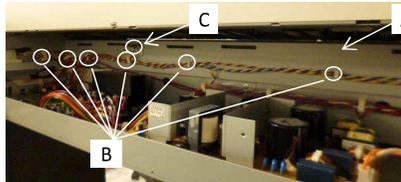
- A: Paper Guide R2
- B: Screw S tight cup M3x6 (x11)



2. Remove cable clamps (x10) attached to Paper Guide R1 and flame.

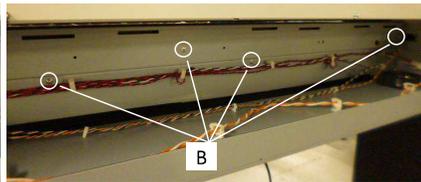
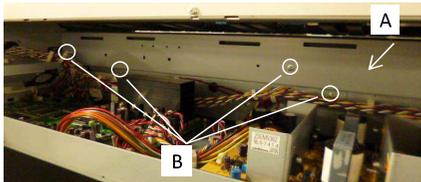
Remove screw (x1) securing PE sensor plate.

- A: Paper Guide R1
- B: Cable Clamp
- C: Screw S tight cup M3x6 (x1)



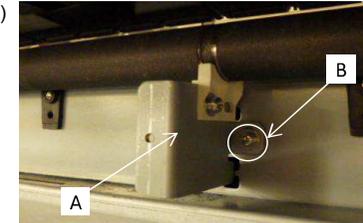
3. Remove screws (x8), and remove Paper Guide R1.

- A: Paper Guide R1
- B: Screw S tight cup M3x6 (x8)



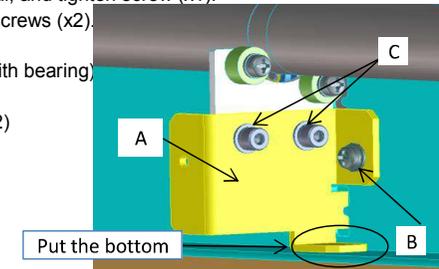
4. Remove screw (x1) securing Grid Roller Support Assy. (x2)

- A: Grid Roller Support Assy (Resin type)
- B: Pan-head screw M3x8 (x1)



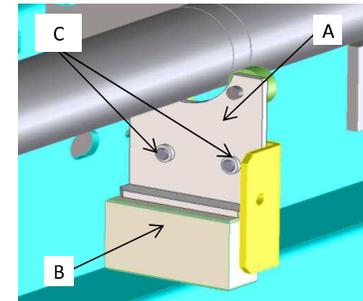
5. Replace Grid Roller Support Assy (x2).
Place the bottom on sheet metal, and tighten screw (x1).
Temporary tighten hex socket screws (x2).

- A: Grid Roller Support Assy (with bearing)
- B: Pan-head screw M3x8 (x1)
- C: Hex Socket Screw M3x8 (x2)



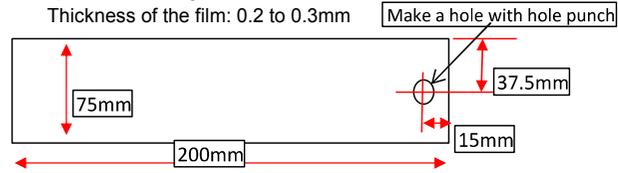
6. Put the jig as shown in figure.
Tighten hex socket screws (x2) at the height fixed with the jig.

- A: Grid Roller Support (with bearing)
- B: Jig
- C: Hex Socket Screw M3x8 (x2)

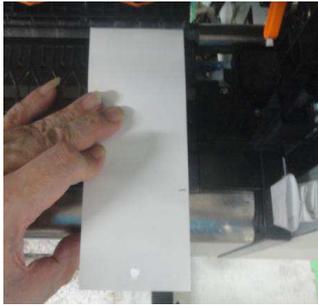


7. Measure the friction force between the rollers

7-1. Prepare the rectangular film with the size shown below.



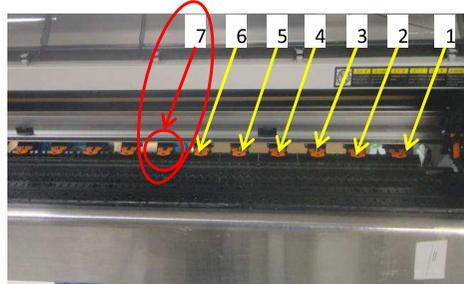
7-2. Insert the film in the pressure rollers of origin side.



7-3. Hook the spring scale into the hole, and measure the friction force by pulling it slowly/horizontally.



7-4. Insert the film to the seventh unit from origin side. (Same as 7-2)

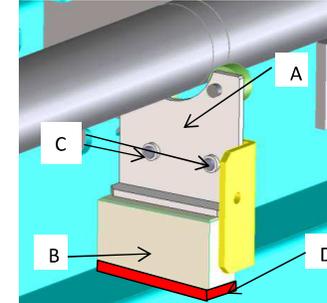


7-5. Measure the friction force between the rollers. (Same as 7-3)

7-6. If the difference between the measured values in 7-3 and 7-5 is less than 100g, go to step 9.
If more than 100g, go to step 8.

8. Slightly unscrew hex socket screws (x2) which is tightened in step 6.
Put the spacer under the jig, and then tighten hex socket screws (x2) again. (x2)
Remove the jig.

- A: Grid Roller Support (with bearing)
- B: Jig
- C: Hex Socket Screw M3x8 (x2)
- D: Spacer (0.2mm)



9. Install others in the reverse order to removal.