

5. Disassembly and Reassembly

5.1 General Precautions on Disassembly

When you disassemble and reassemble components, you must use extreme caution. The close proximity of cables to moving parts makes proper routing a must.

If components are removed, any cables disturbed by the procedure must be restored as close as possible to their original positions. Before removing any component from the machine, note the cable routing that will be affected.

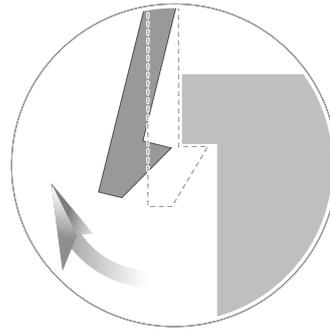
Whenever servicing the machine, you must perform as follows:

1. Check to verify that documents are not stored in memory.
2. Be sure to remove the toner cartridge before you disassemble parts.
3. Unplug the power cord.
4. Use a flat and clean surface.
5. Replace only with authorized components.
6. Do not force plastic-material components.
7. Make sure all components are in their proper position.

Releasing Plastic Latches

Many of the parts are held in place with plastic latches. The latches break easily; release them carefully.

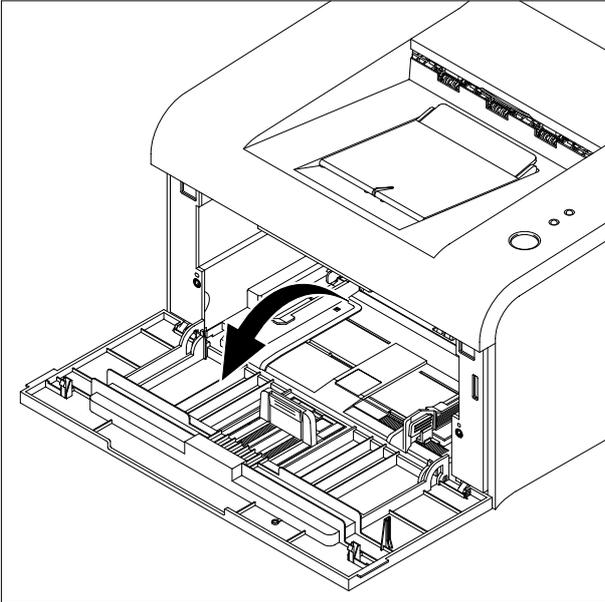
To remove such parts, press the hook end of the latch away from the part to which it is latched.



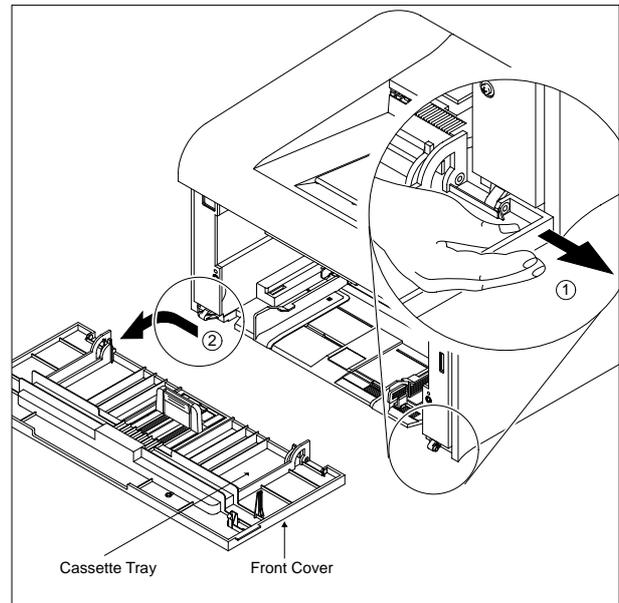
5.2 Disassembly and Reassembly

5.2.1 Front Cover

1. Open the front cover. (The front cover and the cassette tray are assembled with the same assembly.)

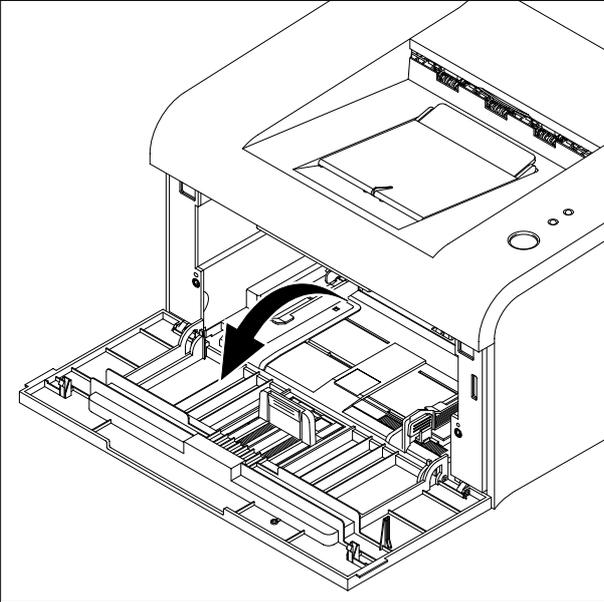


2. Separate the cover from the lock of the frame by pulling the right bottom of the cover toward the arrow direction. Pull out the front cover to the left as shown as below.

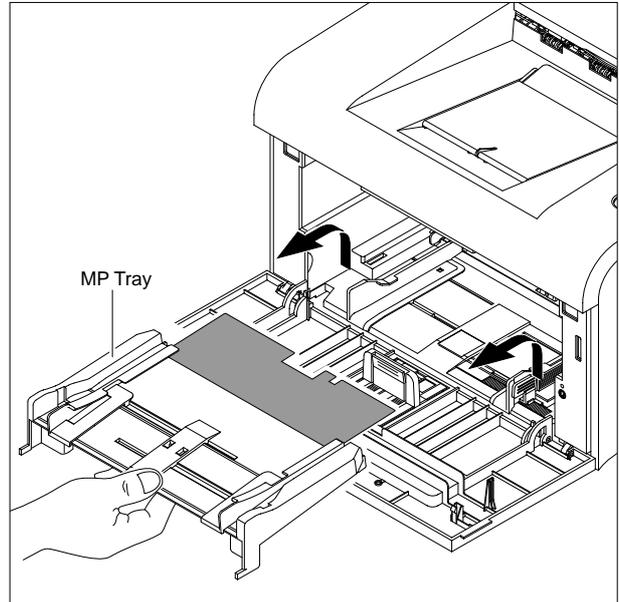


5.2.2 MP Tray

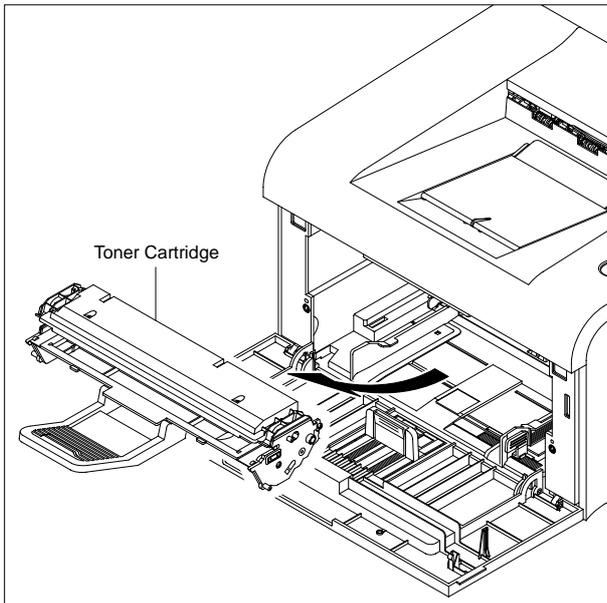
1. Open the front cover.



3. Hold the MP Tray and pull it to the arrow direction.

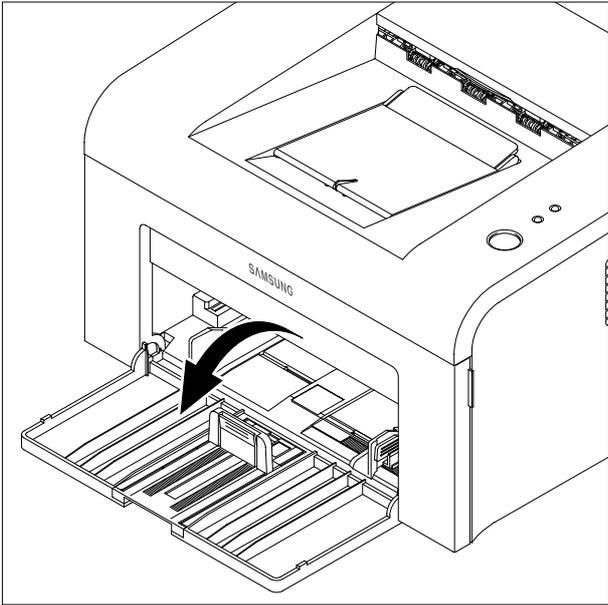


2. Release the Toner Cartridge.

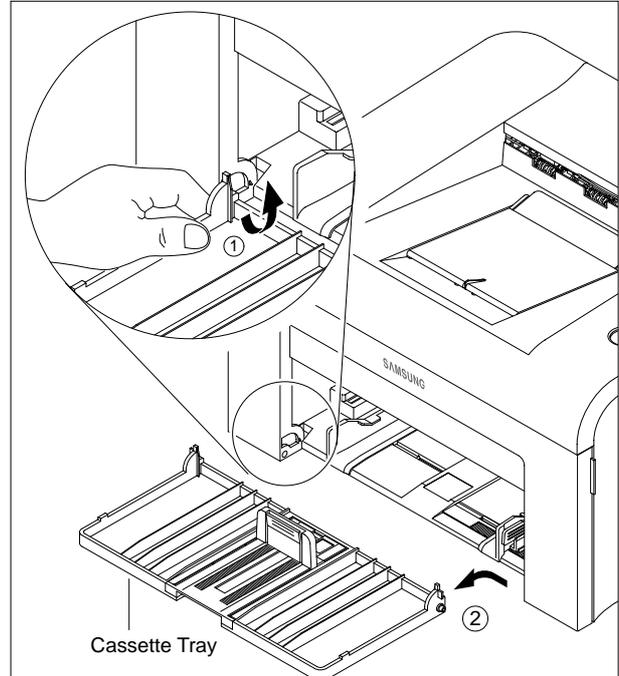


5.2.3 Cassette Tray

1. For separating only cassette tray, open the tray.

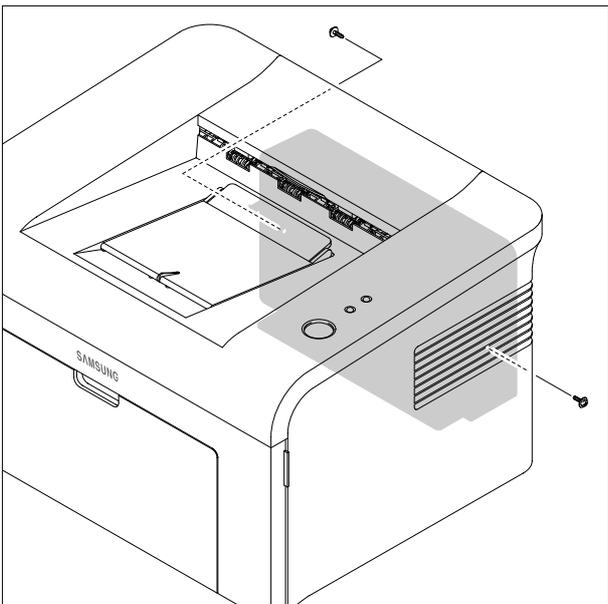


2. Hold the set and lift up the hook on the left bottom toward the arrow direction. Separate the cassette tray by pulling it out to the left as shown as below.

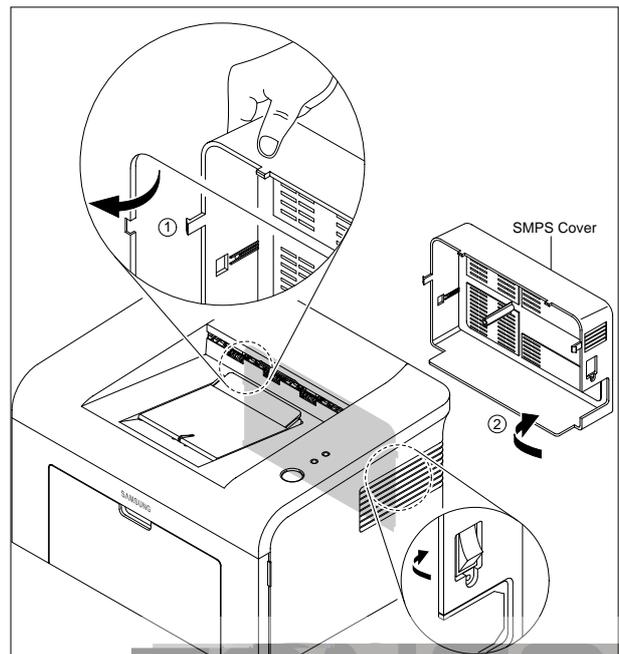


5.2.4 SMPS Cover

1. Release two screws.
(Screw x2: Silver_M3,6003-000196)

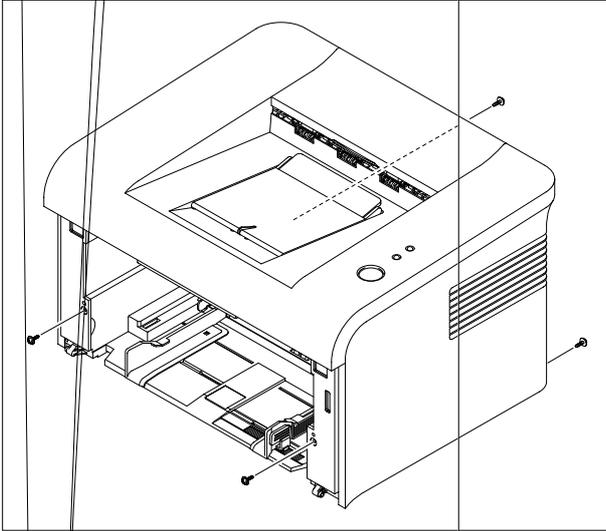


2. Separate the lock by holding the left side of the cover and pulling it toward the arrow direction. Remove it with carefulness that the power switch is not hooked on SMPS cover as shown as below.



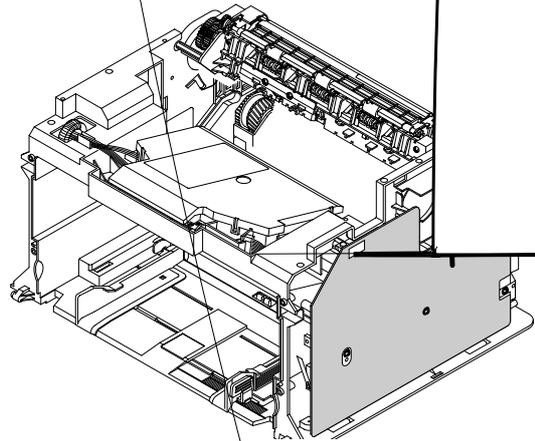
5.2.5 Main Cover

1. Before Disassembling.
 - Separate the front cover.(Refer to 5.2)
 - Separate the SMPS cover.(Refer to 5.3)
2. Release 4 screws as shown as below.
(Screw x 4 : Silver_M3,6003-000196)



3. Hold the both ends of the cover and pull it up bit by bit toward the arrow direction as shown as below.

4. Separate it by holding the both sides of the cover and carefully lifting it up.



5. If necessary,remove the jam cover.Open the cover, take out the hook on the right toward the arrow direction, and then take out the jam cover to the right side.

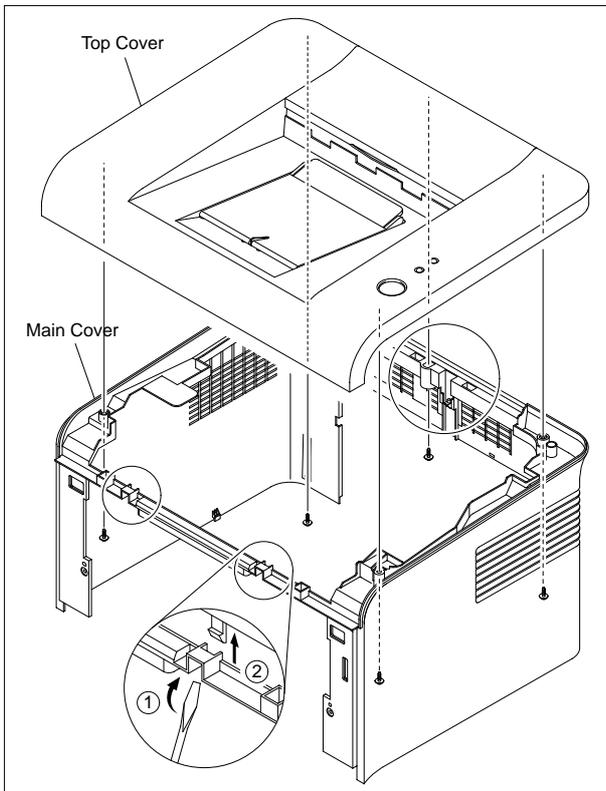
5.2.6 Top Cover

1. Before Disassembling.

- Separate the front cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)

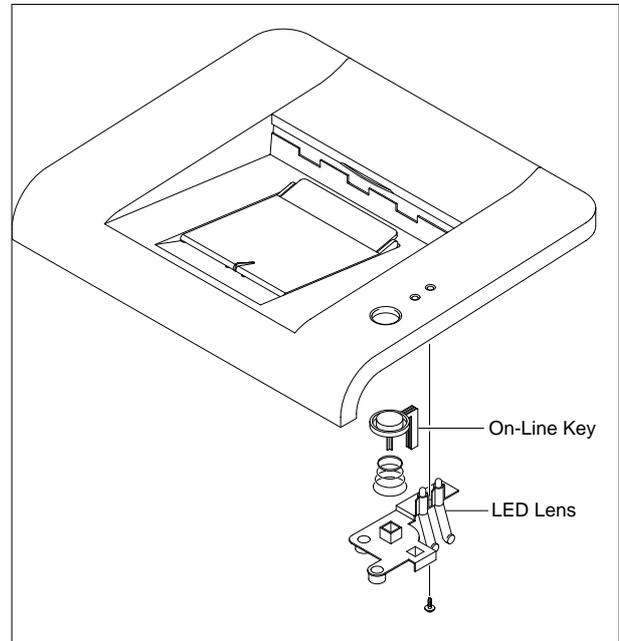
2. For separating the LED lens and the On-Line key, release the 5 screws connected to the main cover, and then 4 locks on the front and rear of the top cover by using a screw driver.Remove the top cover from the main cover.

(Screw x 5:Silver_M3,6003-000196)



3. Unscrew 2 screws from the separated top cover as shown as below,and then separate the LED Lens from the On-Line key.

(Screw x 1:Silver_M3,6003-000196)

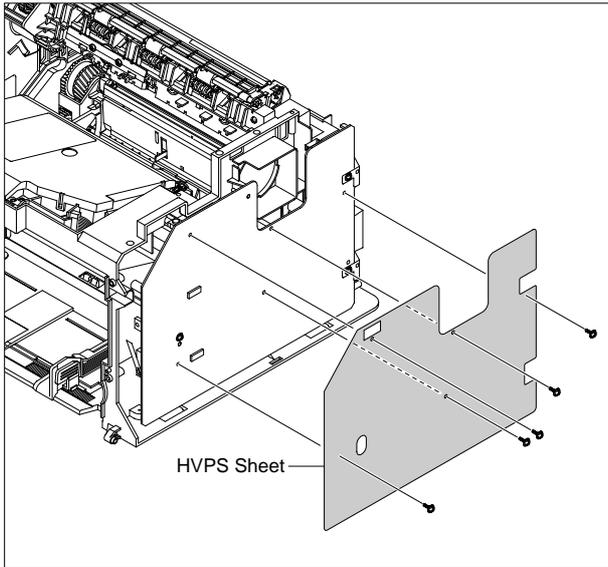


5.2.7 HVPS

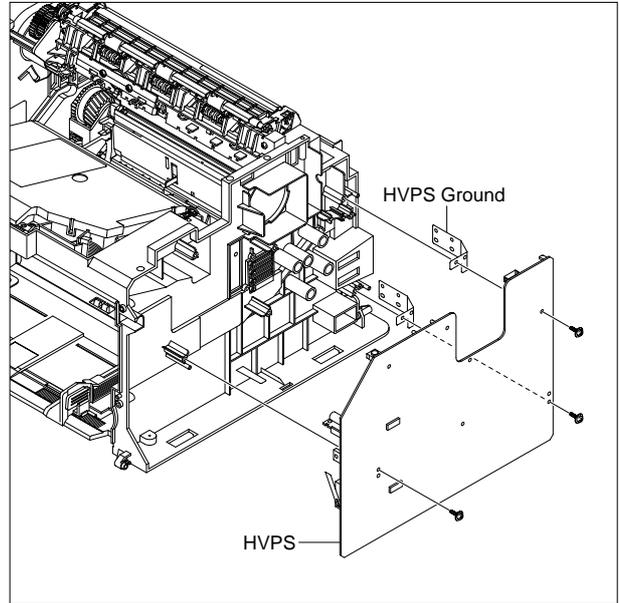
1. Before Disassembling.

- Separate the front cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)

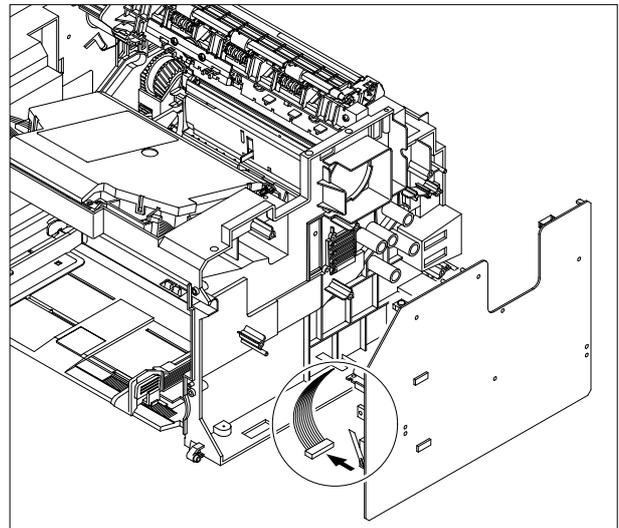
2. Remove the sheet by releasing the 5 screws which connects the HVPS and the Sheet.
(Screw x 3:Gold_M3,6003-000269)



3. Separate the HVPS with HVPS ground from the frame by releasing the remaining 3 screws.
(Screw x 3:Gold_M3,6003-000269)

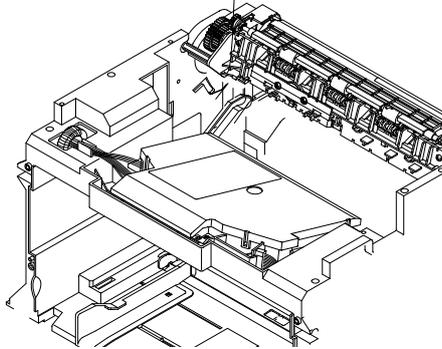


4. Remove the connector from the separated HVPS.



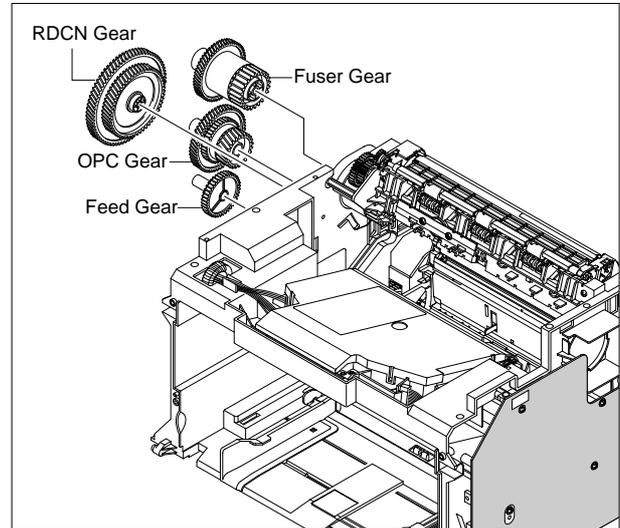
5.2.8 RX Drive

1. Before Disassembling
 - Separate the font cover.(Refer to 5.2)
 - Separate the SMPS cover.(Refer to 5.3)
 - Separate the Main cover.(Refer to 5.4)
2. Release 2 screws (Screw x 2:Silver_M3, 6001-000130) connected to the engine shield and 6 screws (Screw x 6: Gold_M3,6003-000296)connected to the frame. Separate the RX drive by pulling it out toward the arrow direction.



3. Remove the connector from the separated RX drive.

4. After removing the RX drive,RDCN Gear, OPC Gear, Fuser Gear, and Feed Gear can be removed from the frame.



5. When separating the motor,remove the motor bracket first by removing 4 screws as shown as below, and then remove the 2 screws from the motor bracket.

Note:



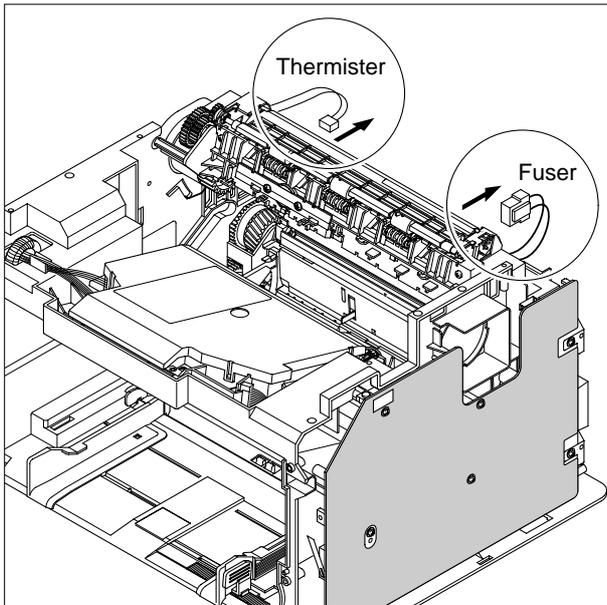
Please, be careful not to touch the protruding 4 screws at the outside of the RX drive.

5.2.9 Fuser

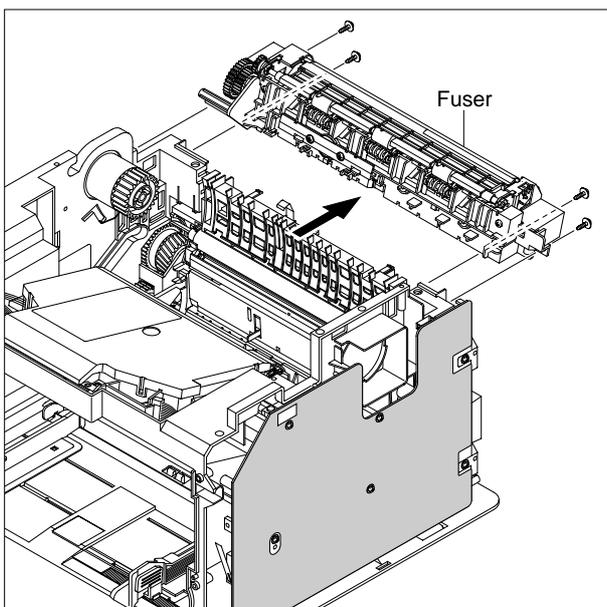
1. Before Disassembling

- Separate the front cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)

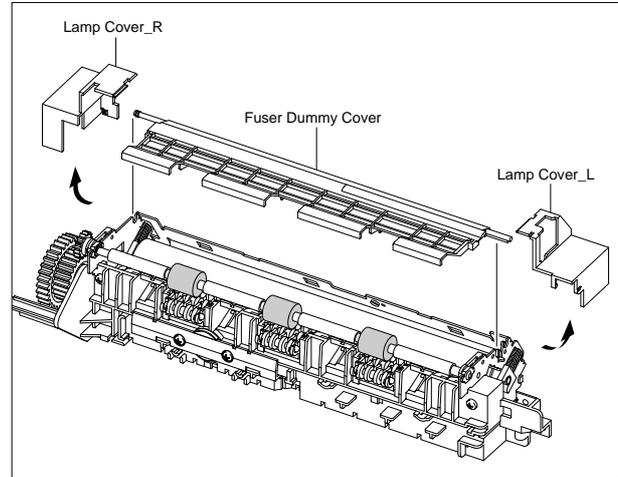
2. Separate 2 connectors from the SMPS and the Main PBA as shown as below.



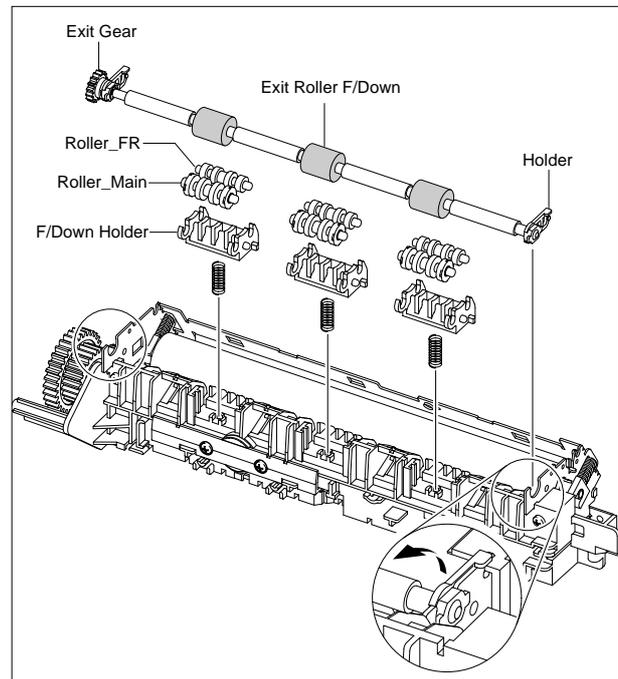
3. Separate the fuser by unscrewing 4 screws on the frame. (Screw x 4:Gold_M3,6003-000269)



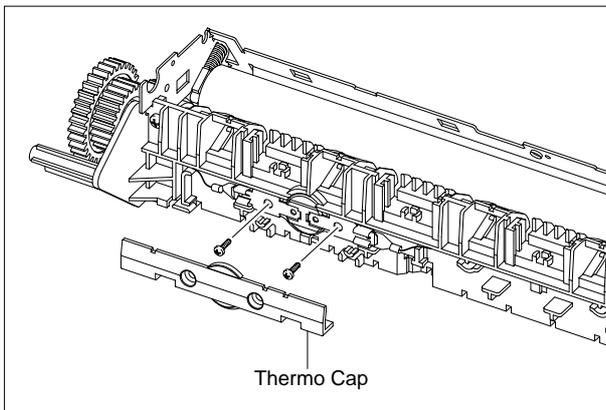
4. After removing the Lamp Cover L/R, separate the Fuser Dummy cover.



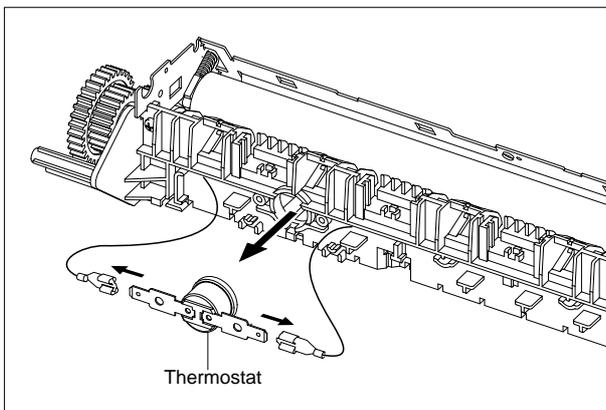
5. Separate the Exit roller F/Down and the exit gear (DRV17) by turning the left/right holder connected to the exit roller F/Down to the arrow direction. At this time, roller_main, roller_FR, F/Down Holder, and spring are separated with these.



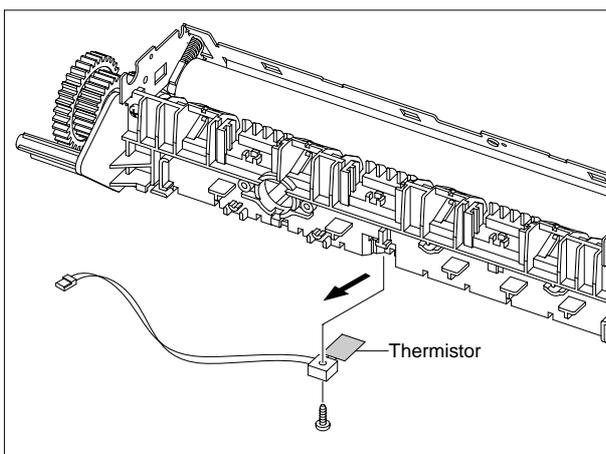
6. Remove the thermo cap by releasing 2 screws as shown as below.
(Screw x 2:Black_M3,6003-000282)



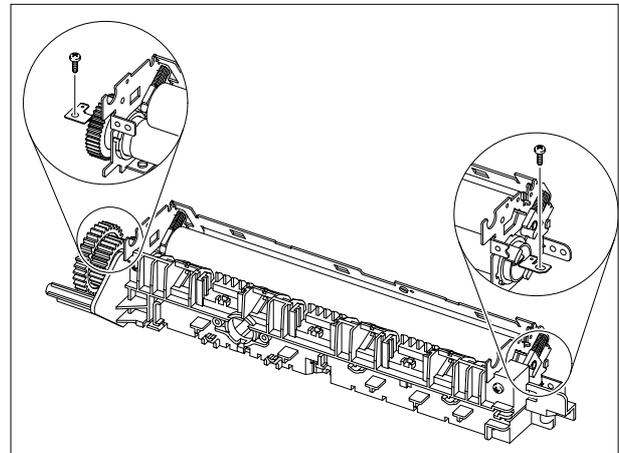
7. After pulling out the thermostat as shown as below, remove the CBF harness from its left/right side.



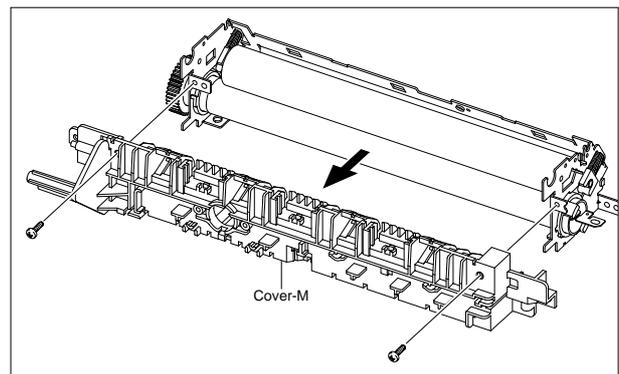
8. Release the screw as shown as below, remove the harness from the cover, and then pull out the thermistor.



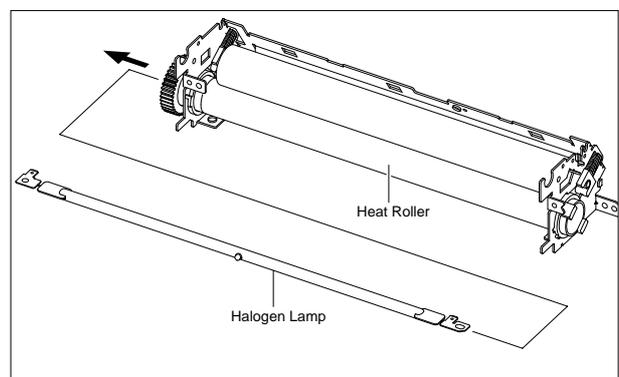
9. After separating the CBF harness connected to the left/right side of the halogen lamp, release 2 screws from the halogen lamp.
(Screw x 2:Black_M3,6003-000196)



10. Separate the Cover-M by releasing 2 screws as shown as below.
(Screw x 2 : Black_M3, 6003-000196)



11. Remove the halogen lamp from the heat roller by pulling it out to the arrow direction.



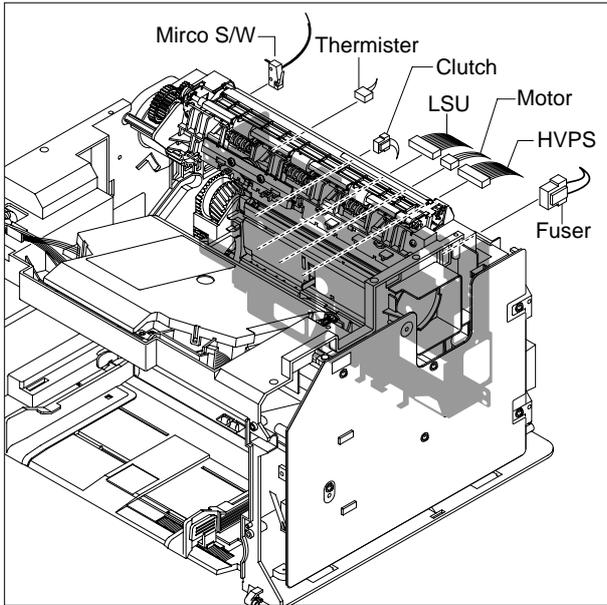
⚠ Note : Under the condition that the fuser is connected to the frame,the exit roller F/Down can be separated.However,be careful that the Roller_Main,the Roller_FR,and F/Down Holder could get into the inner frame due to the spring' action.

5.2.10 Engine Shield (Including Main PBA and SMPS)

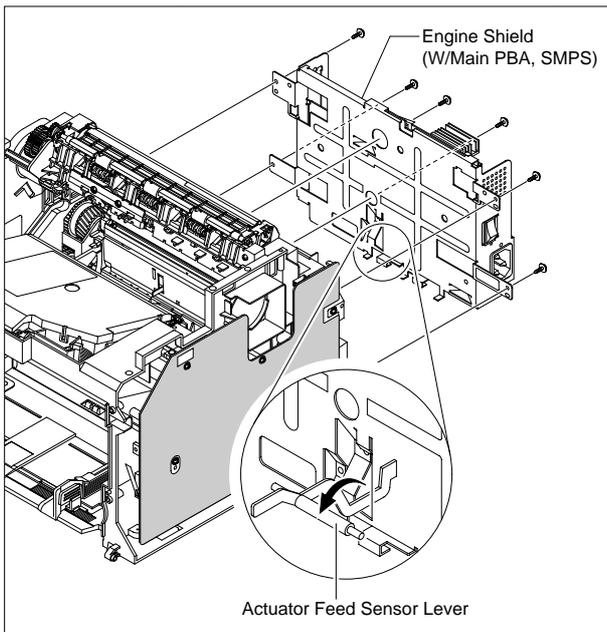
1. Before Disassembling

- Separate the front cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)

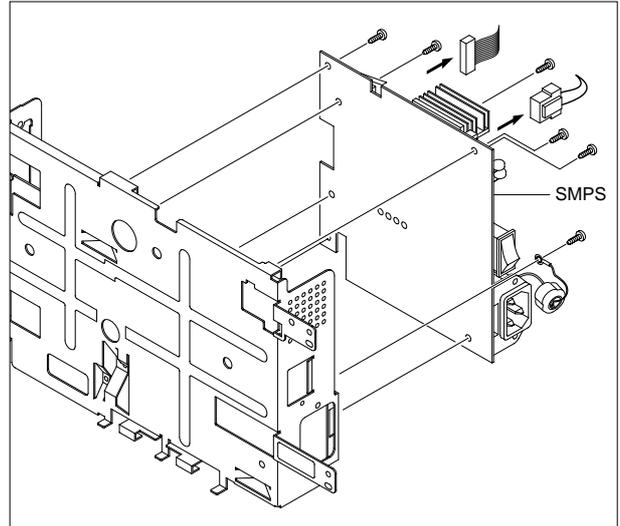
2. Disconnect all connectors except the connector which connects the SMPS to the Main PBA.



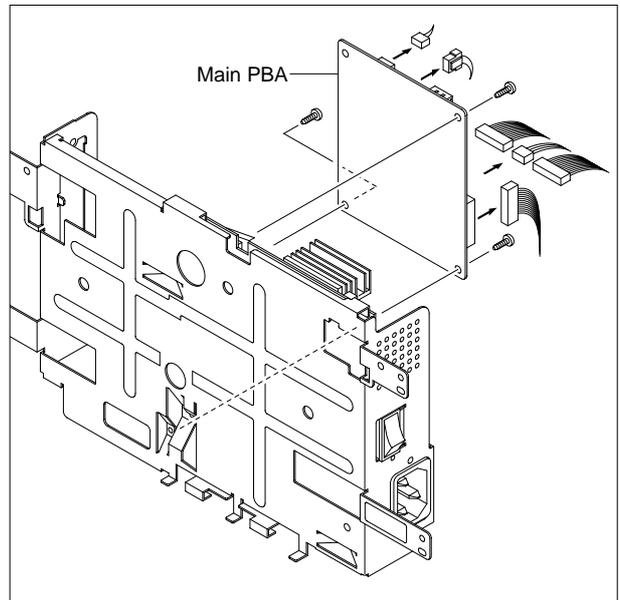
3. Release 6 screws as shown as below, separate the harnesses from the shield, and then separate the engine shield with carefulness of the actuator feed sensor lever. (Screw x 6: Silver_M3,6003-000196)



4. For removing only SMPS, perform the follows in order : separate the SMPS cover (Refer to the 5.3), release 5 screws, separate the fuser connector and the main PBA connector, and then take out the SMPS. (Screw x 5 : Gold_M3, 6003-000269)



5. For removing only Main PBA, perform the follows in order : separate the SMPS cover (Refer to the 5.3), release 3 screws, separate the main PBA connector, and then take out the main PBA. (Screw x 3 : Gold_M3, 6003-000269)

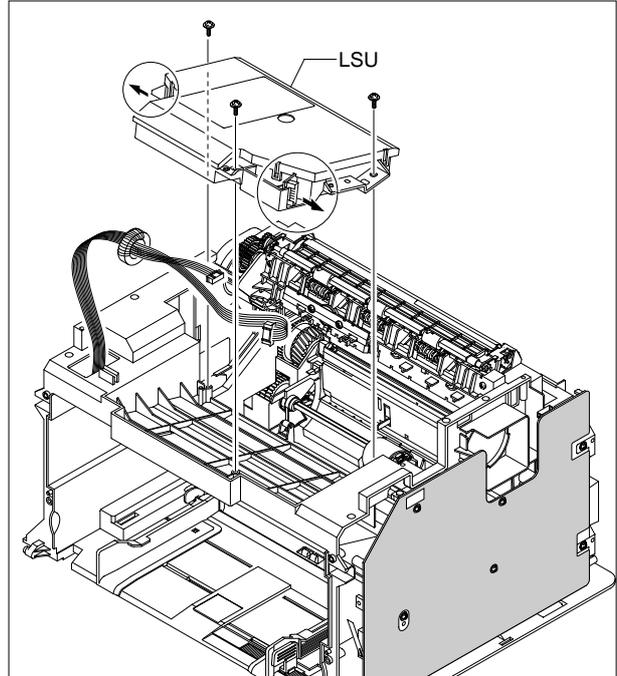


5.2.11 LSU

1. Before Disassembling

- Separate the font cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)

- ### 2. Release 3 screws as shown as below, lift up the LSU, and then disconnect 2 connectors from the separated LSU. (Screw x 2:Silver_M3,6003-000196)



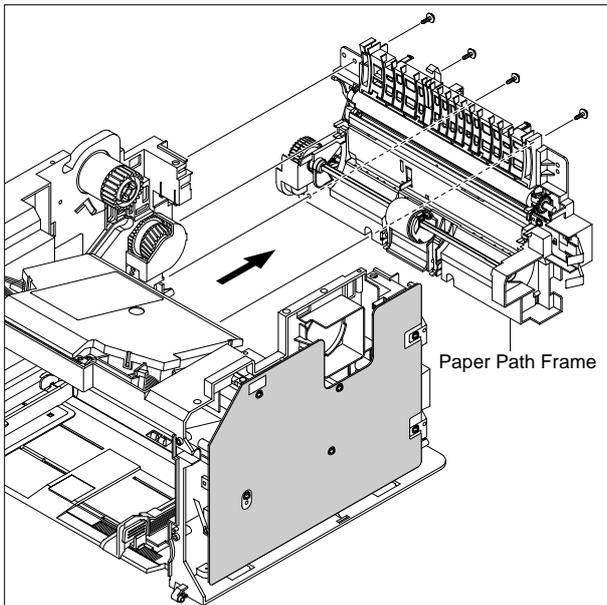
5.2.12 Paper Path Frame

1. Before Disassembling

- Separate the font cover.(Refer to 5.2)
- Separate the SMPS cover.(Refer to 5.3)
- Separate the Main cover.(Refer to 5.4)
- Separate the Fuser.(Refer to 5.8)
- Separate the Engine shield.(Refer to 5.9)

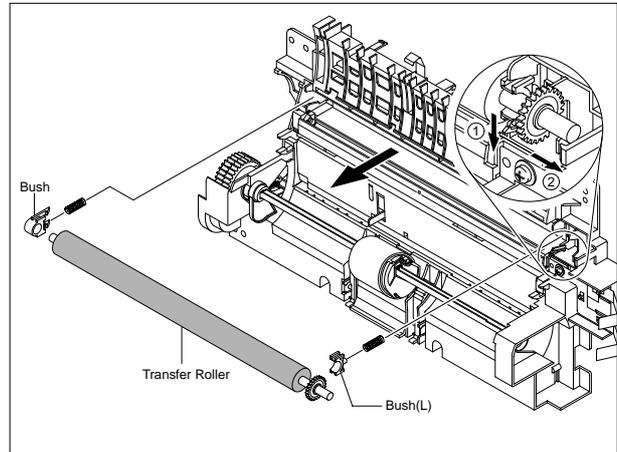
2. After releasing 4 screws as shown as below, take it out toward the arrow direction with carefulness of ground and harnesses.

(Screw x 4:Silver_M3,6003-000196)



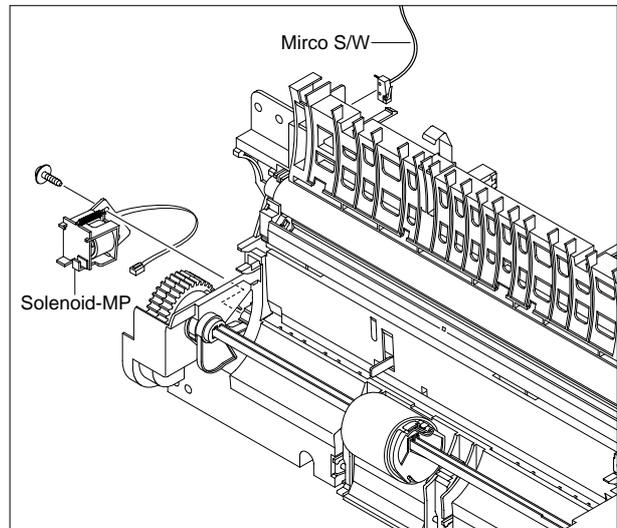
3. After releasing the 2 hooks from the right side of the frame, take out the transfer roller.

(Screw x 2:Silver-M3,6003-000196)



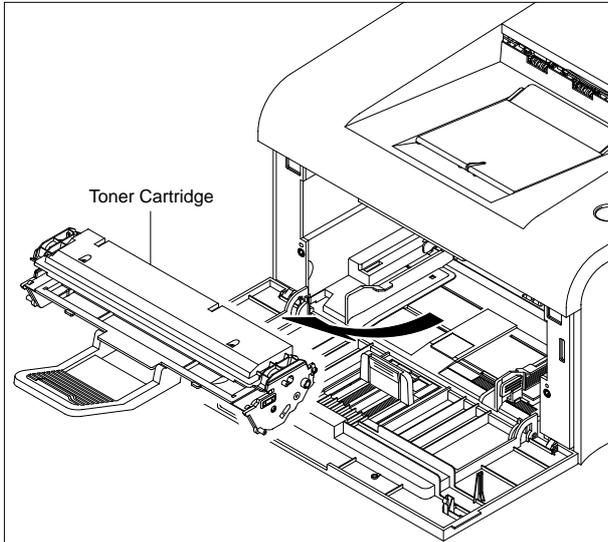
4. Remove the solenoid-MP by releasing the screw from the left side of the frame.

(Screw x 1:Gold_M3,6003-000301)



5.2.13 Pick_Up Roller

1. For separating the pick-up roller sponge, open the front cover, and then take out the toner cartridge.



2. While pressing the hooks on the left/right side of the pick-up housing B, pull out the pick-up housing U as shown as below. Then, replace the sponge.

