

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.

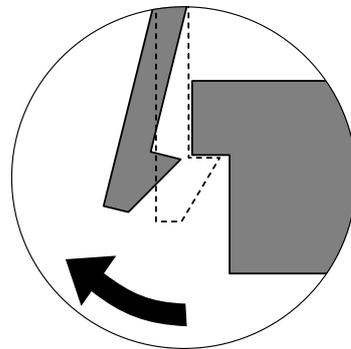
Whenever servicing the machine, you must perform as follows:

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 excessive force on components made of plastic, they may break.
7. Make sure all components are in their proper position.

Releasing Plastic Latches

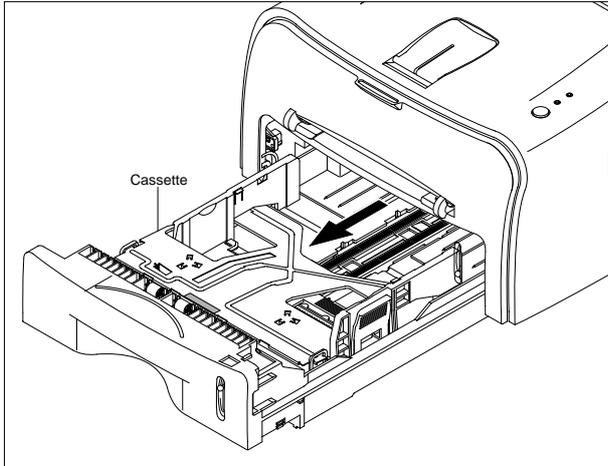
Many of the parts are held in place with plastic latches. The latches break easily; release them carefully.

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

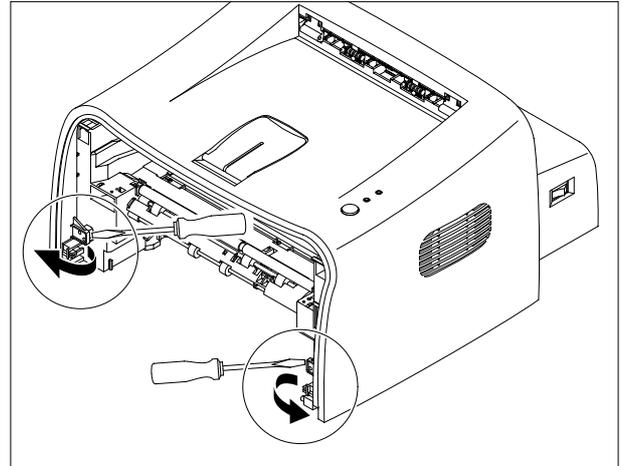


5.2 Top Cover

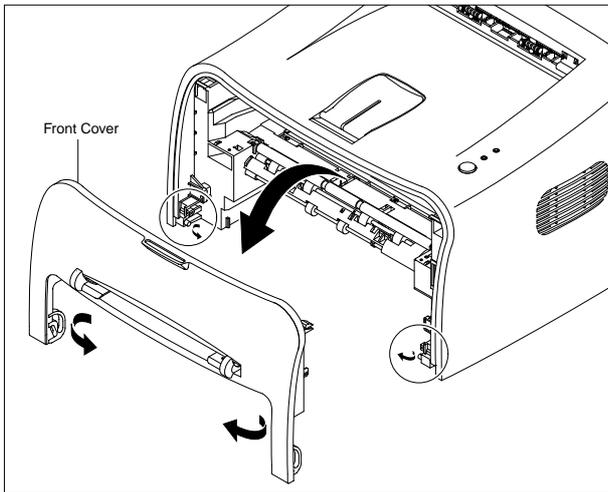
1. Pull the Cassette out of the printer.



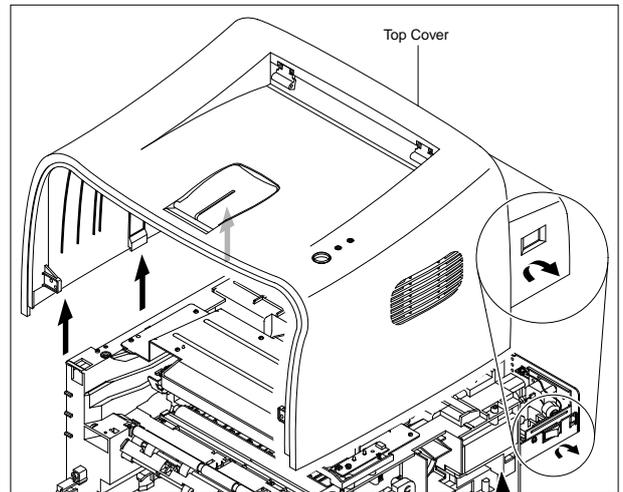
4. Unlatch the front ends of the Top Cover.



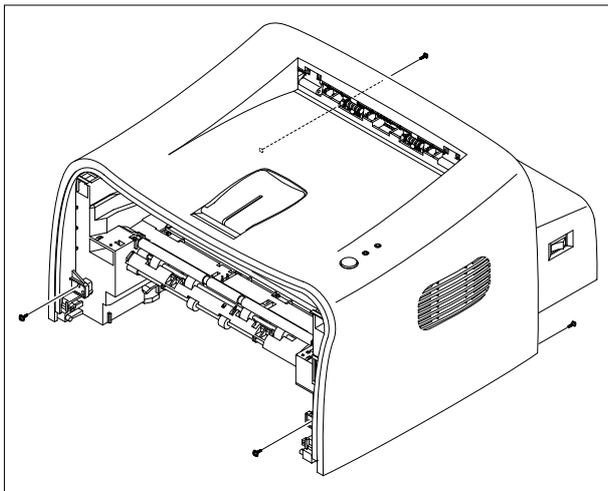
2. Remove the Front Cover in the direction of arrow.



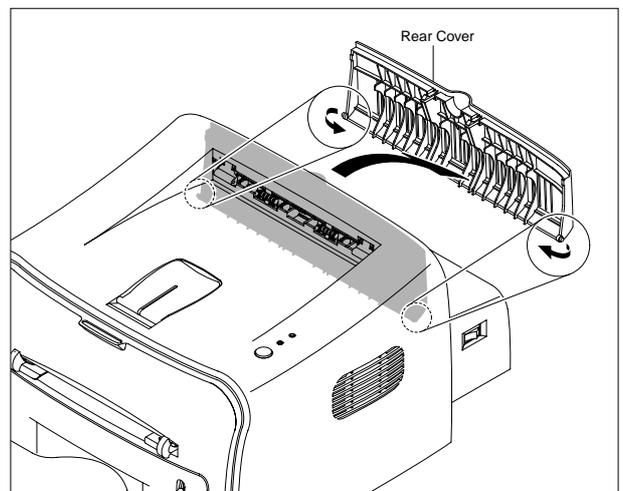
5. Remove the Top Cover in the direction of arrow.



3. Remove four screws.



6. Remove the Rear Cover from the Top Cover.



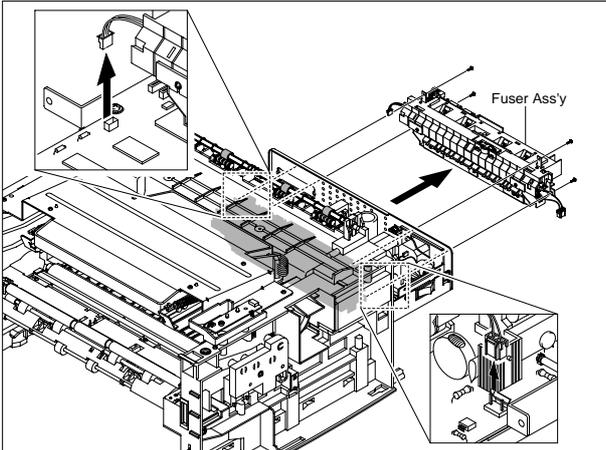
5.3 Fuser

5.3.1 Fuser (Heat Lamp Type)

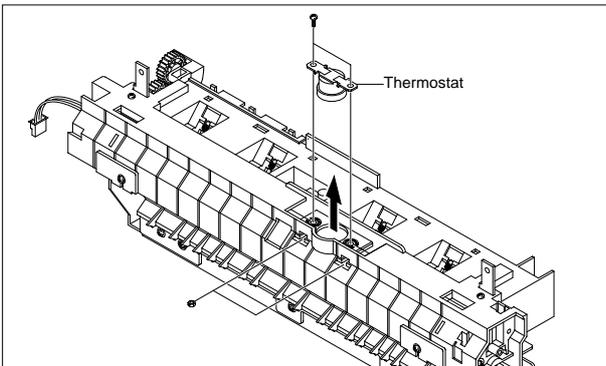
1. Before you remove the Fuser, you should remove:

- Top Cover (see page 5-2)
- Power Supply Cover

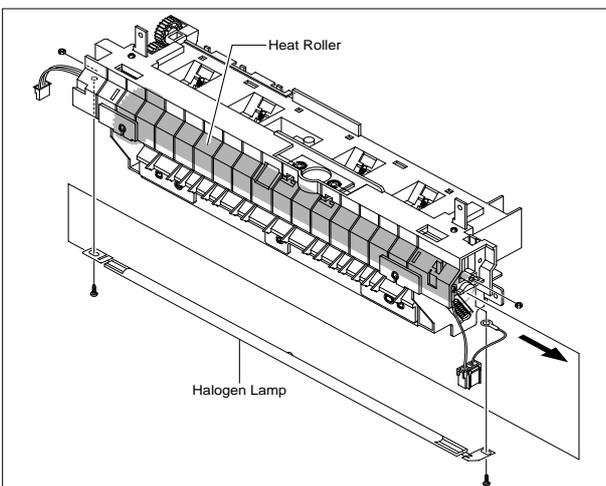
2. Unplug two connectors from the boards, then remove four screws.



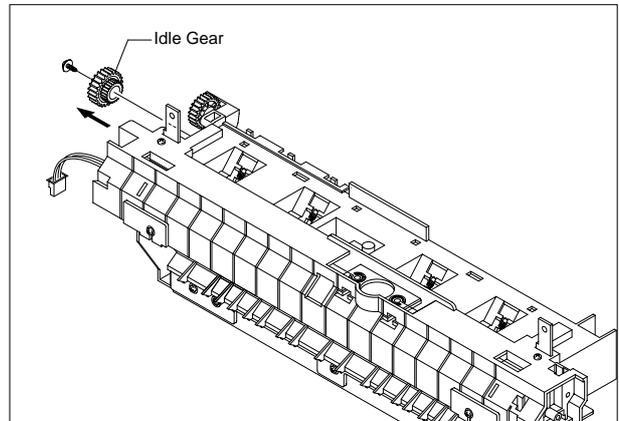
3. Remove two screws and take the Thermostat out of the Fuser.



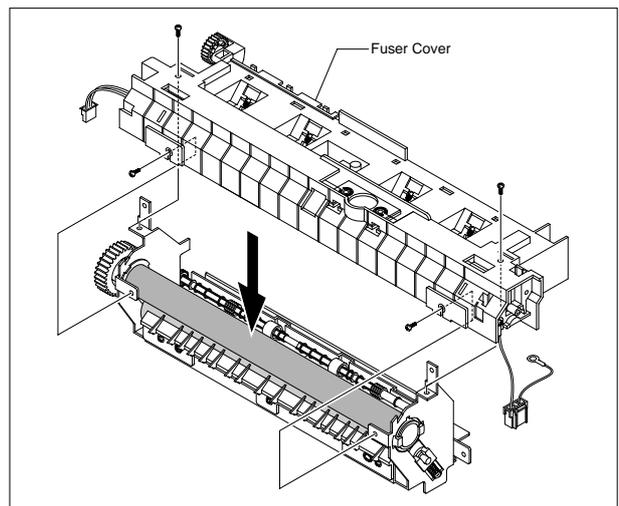
4. Remove two screws and take the Halogen Lamp out of the Heat Roller.



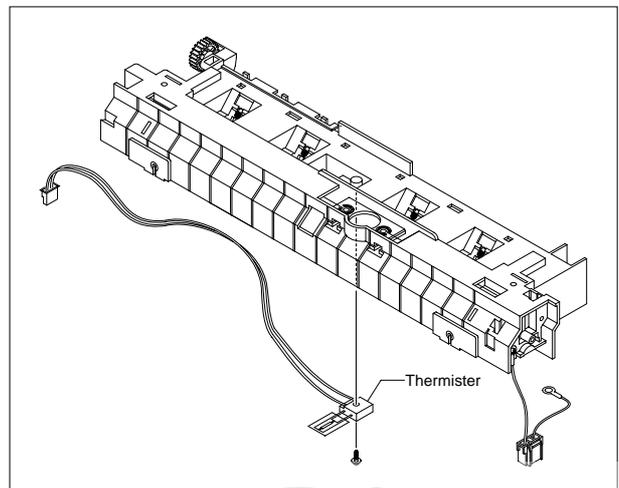
5. Remove one screw and take the Idle Gear out.



6. Remove four screws and divide the Fuser into two parts



7. Remove the Thermister from the Fuser Cover.

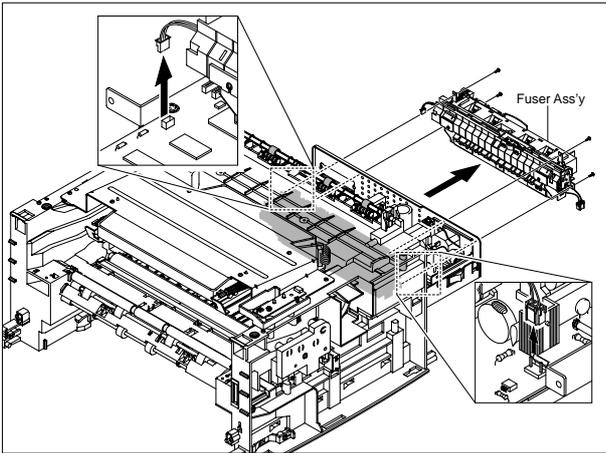


5.3.2 Fuser (Q-PID Type)

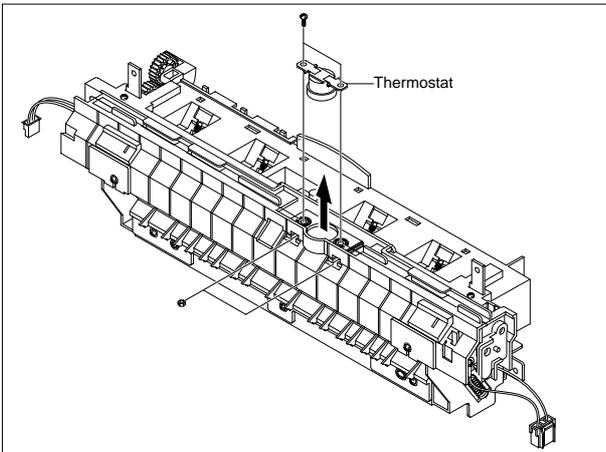
1. Before you remove the Fuser, you should remove:

- Top Cover (see page 5-2)
- Power Supply cover

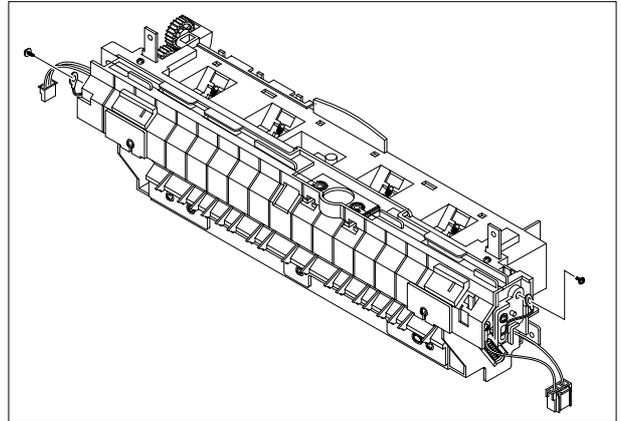
2. Unplug two connectors from the boards, then remove four screws.



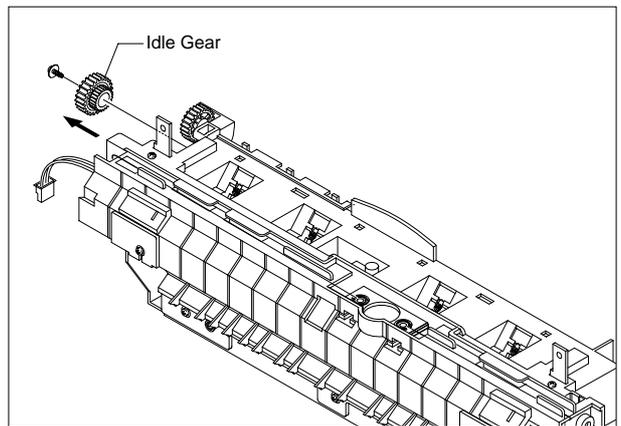
3. Remove two screws and take the Thermostat out of the Fuser.



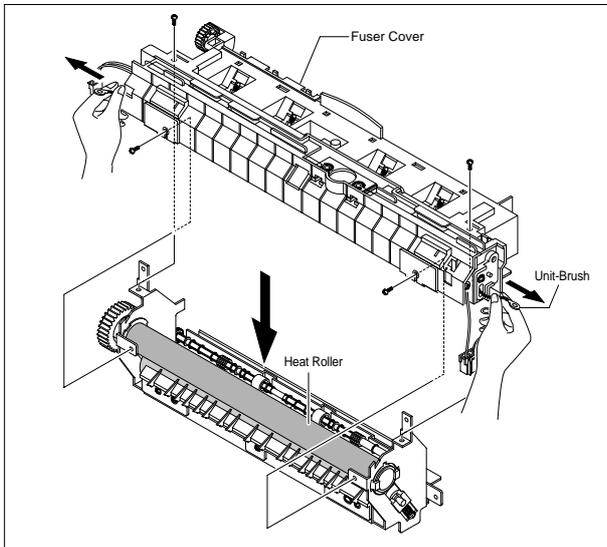
4. Remove two screws and take out the heat lamp.



5. Remove one screw and take the Idle Gear out.

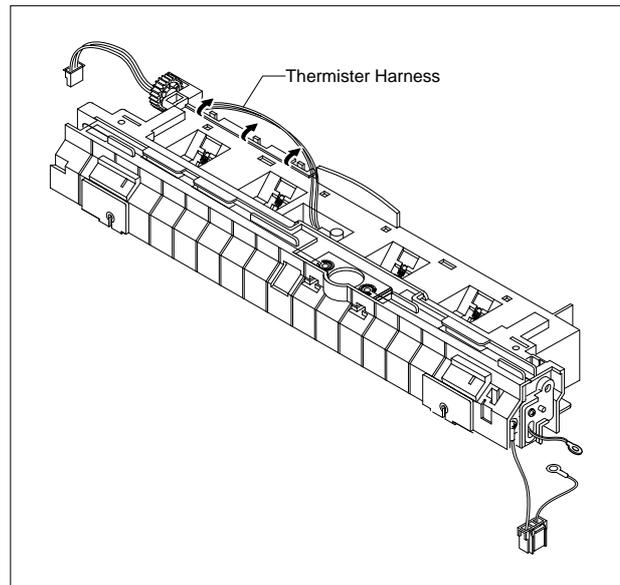


6. Remove 4 screws and remove the Fuser Cover as shown below. Take out the heat roller assembly in the direction of the arrow, it may be necessary to gently ease the ends of the cover.

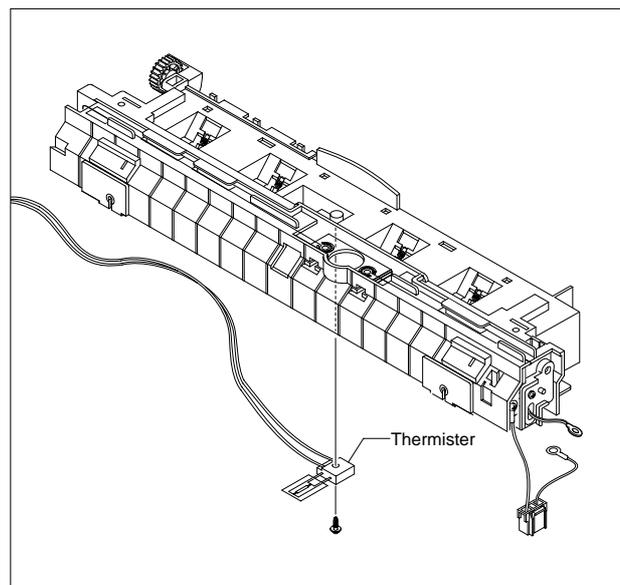


- Caution :**
- Be careful not to damage or contaminate the surface of the roller when assembling/disassembling the heat roller.
 - Be especially careful not to damage the covering of the fuser cover assembly. (If the cover is damaged it could cause an electric shock.)

7. Release the Thermister Harness from the Fuser cover.

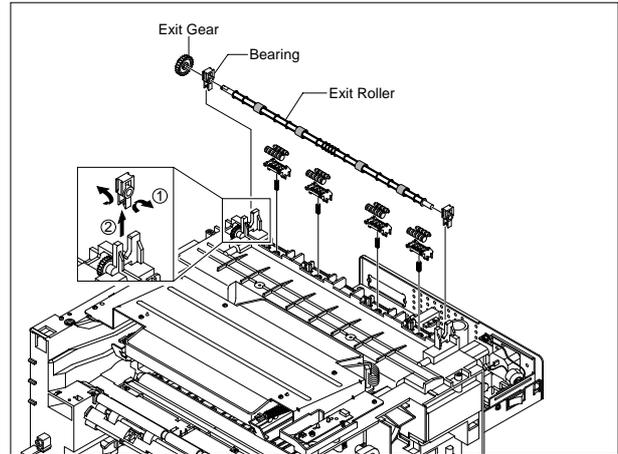


8. Remove one screw and separate Thermister from the Fuser Cover.



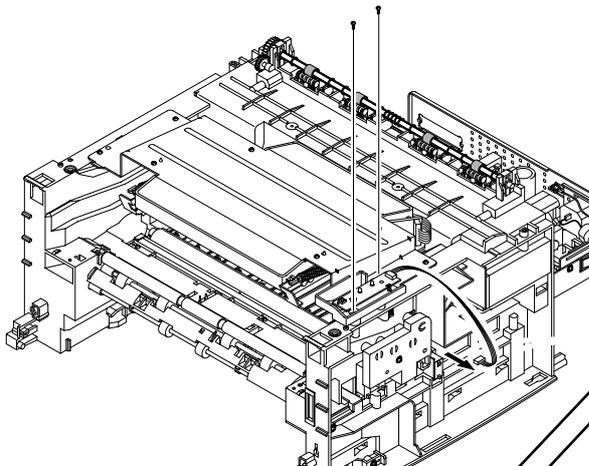
5.4 Exit Roller

1. Before you remove the Exit Roller, you should remove:
 - Top Cover (see page 5-2)
2. Remove the Exit Gear, Bearing and Exit Roller as shown to the right



5.5 LSU

1. Before you remove the LSU, you should remove:
 - Top Cover (see page 5-2)
2. Remove two screws and unplug one connector from the Frame.



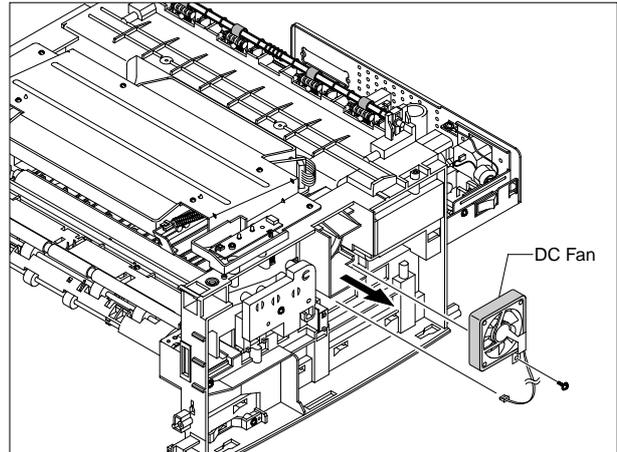
3. Remove the LED PBA Ass'y as shown below.

4. Unplug two connectors from the LSU

5. Unplug four screws and take the LSU out.

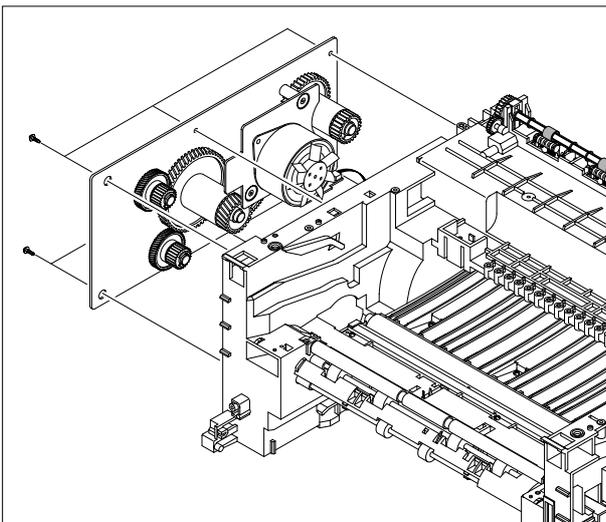
5.6 Fan

1. Before you remove the Fan, you should remove:
 - Top Cover (see page 5-2)
2. Unplug the connector from the SMPS and remove the one screw. Then take out the Fan.

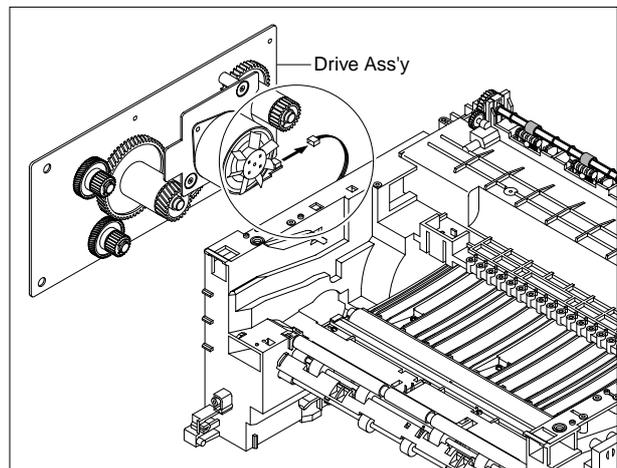


5.7 Drive Ass'y

1. Before you remove the Drive Ass'y, you should remove:
 - Top Cover (see page 5-2)
2. Remove six screws from the Drive Ass'y.



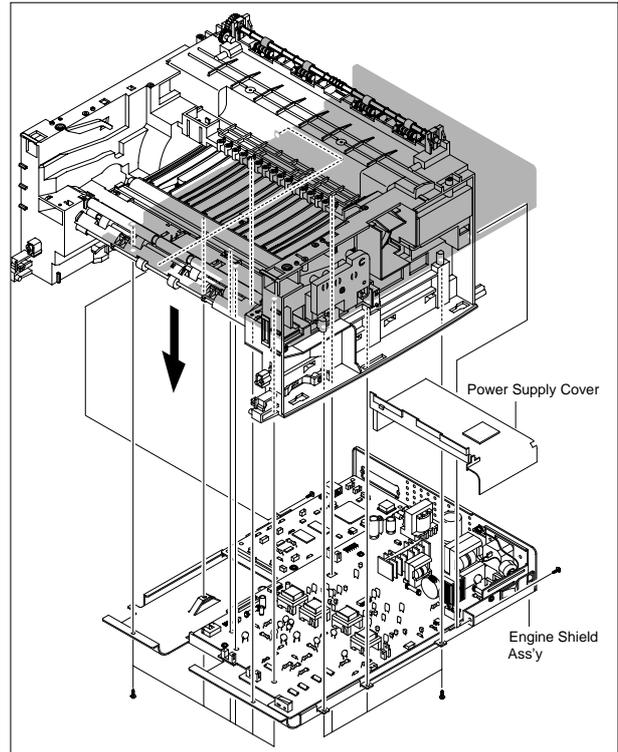
3. Unplug one connector from the Drive Ass'y



Caution : The six screws have numbers stamped into the Drive Ass'y base plate. When refitting the Drive Ass'y tighten the screws the order they are numbered.

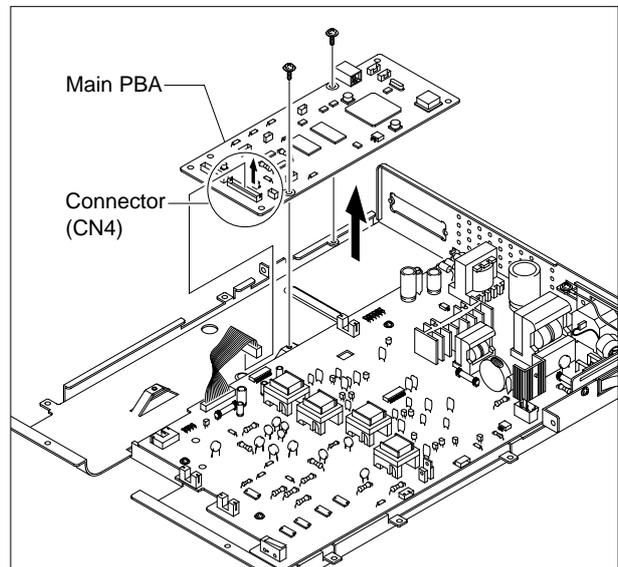
5.8 Engine Shield Ass'y

- Before you remove the Engine Shield Ass'y, you should remove:
 - Top Cover (see page 5-2)
 - Power Supply Cover
 - Fuser Connectors (see page 5-3)
- Remove the twelve screws securing from the Engine Shield Ass'y and unplug the all connectors. Then remove the Engine Shield Ass'y.



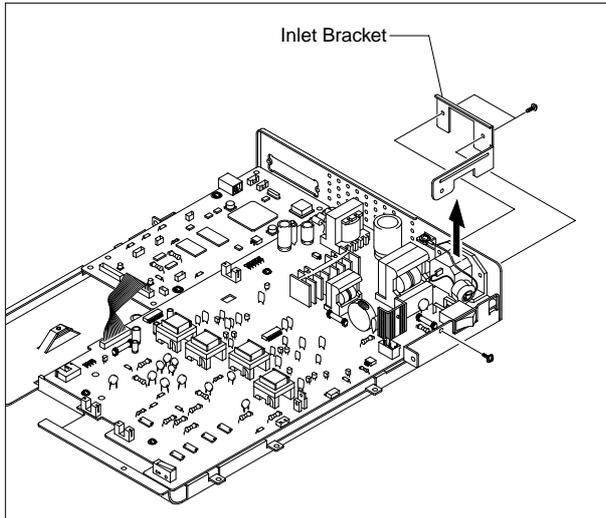
5.9 Main PBA

- Before you remove the Main PBA, you should remove:
 - Top Cover (see page 5-2)
 - Power Supply Cover
 - Engine Shield Ass'y (see page 5-8)
- Unplug one connector and remove two screws from the Main PBA. Then lift the Main PBA out, as shown below.

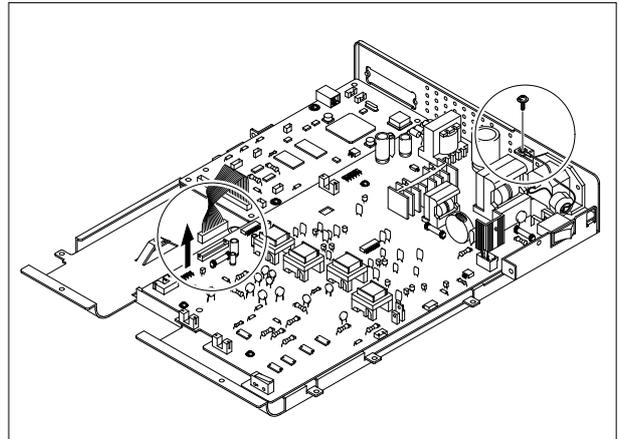


5.10 SMPS

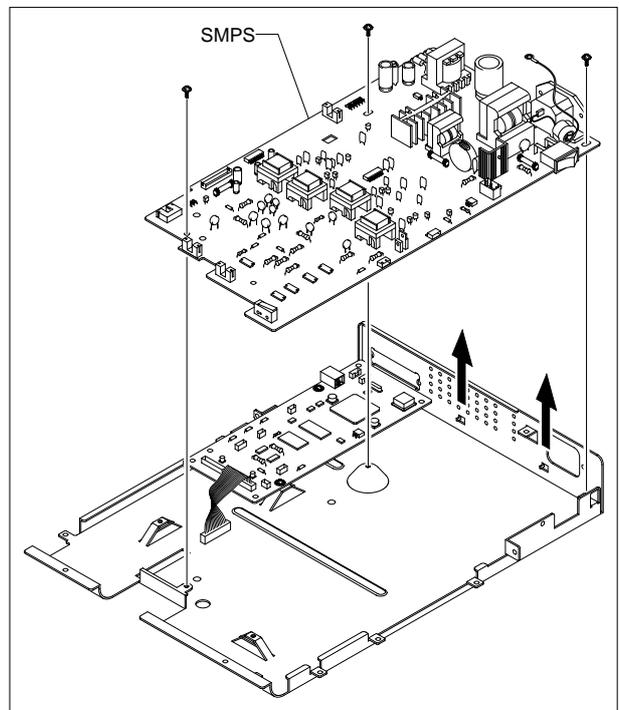
- Before you remove the SMPS, you should remove:
 - Top Cover (see page 5-2)
 - Power Supply Cover
 - Engine Shield Ass'y (see page 5-8)
- Unplug one connector and remove three screws then take the Inlet Bracket out.



- Remove one screw and unplug one connector from the Main PBA.

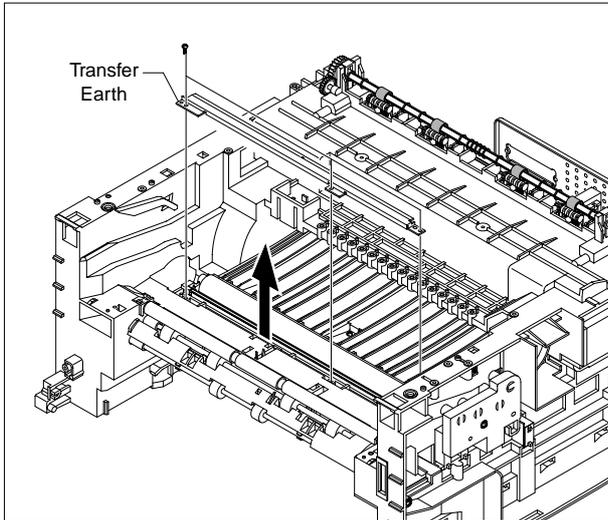


- Remove three screws and take the SMPS out.

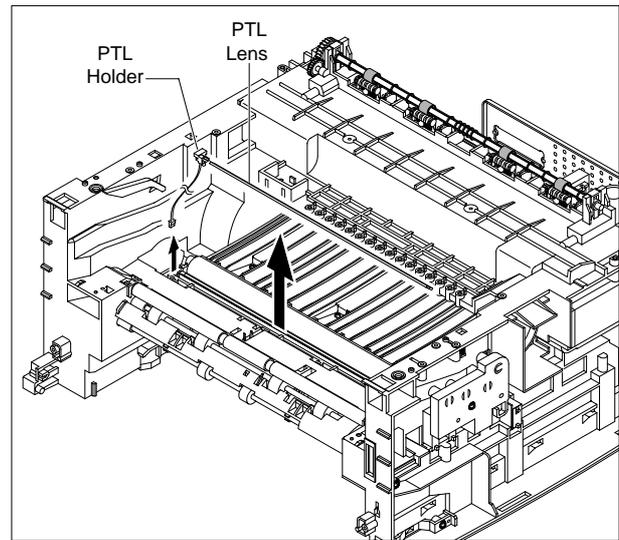


5.11 Transfer Roller

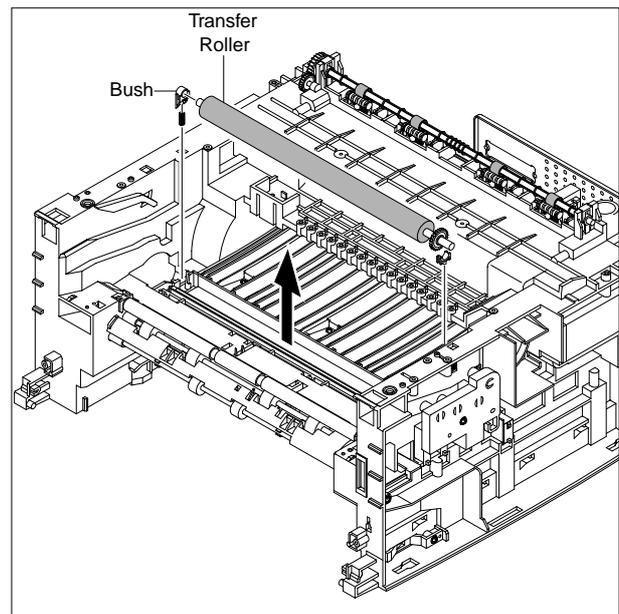
- Before you remove the Transfer Roller, you should remove:
 - Top Cover (see page 5-2)
 - LSU (see page 5-6)
- Remove three screws and take the Transfer Earth out.



- Unplug the PTL Holder Connector, then remove the PTL Holder and PTL Lens, as shown below.



- Unlatch the Bush and remove it. Then lift the Transfer Roller out, as shown below.

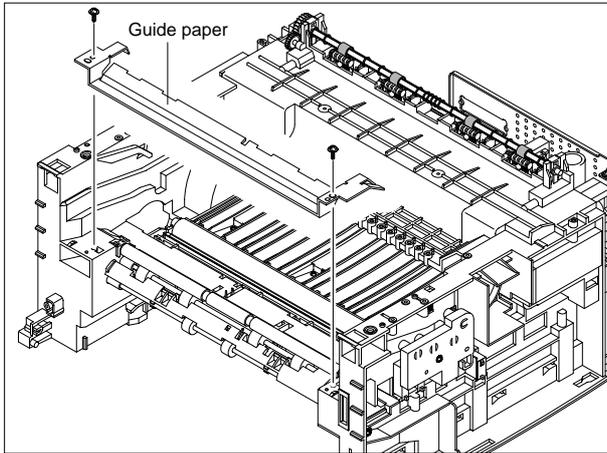


5.12 Feed Roller

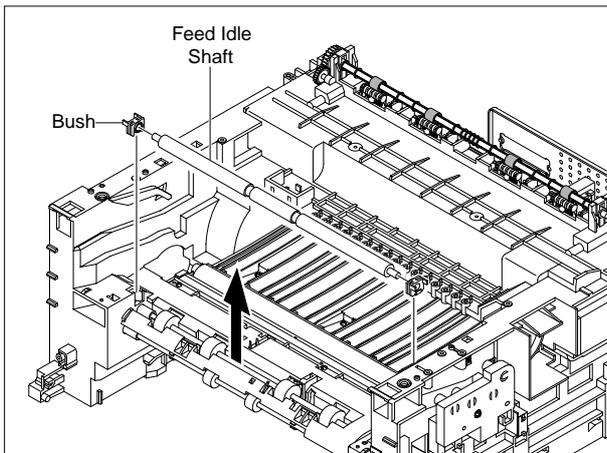
1. Before you remove the Feed Roller, you should remove:

- Top Cover (see page 5-2)
- Drive Ass'y (see page 5-7)

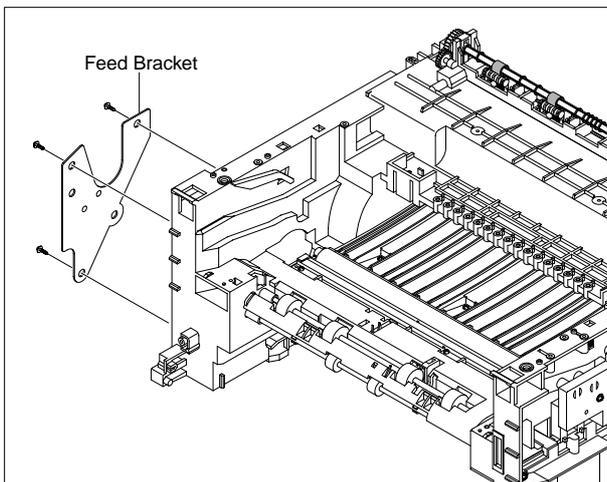
2. Remove two screws from the Guide Paper and take it out.



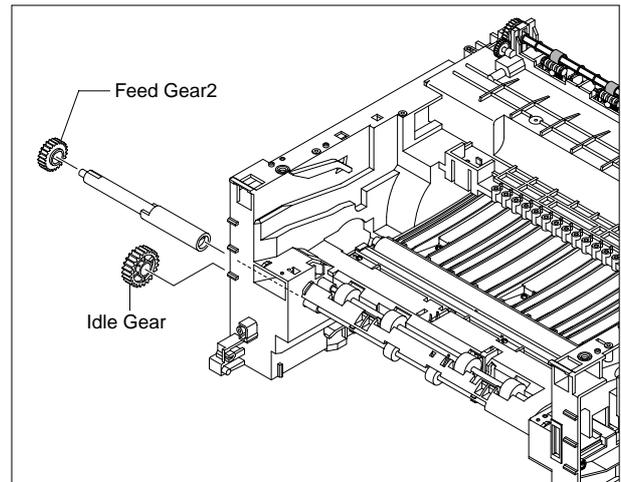
3. Pull up the Feed Idle Bush and Feed Idle Shaft, as shown below.



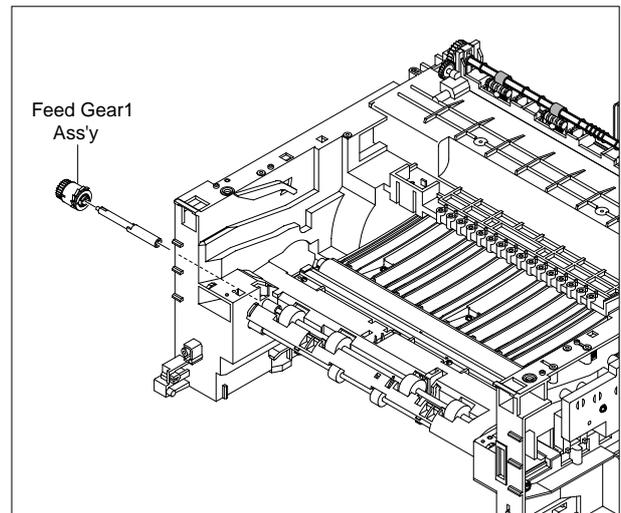
4. Remove three screws from the Feed Bracket and take it out.



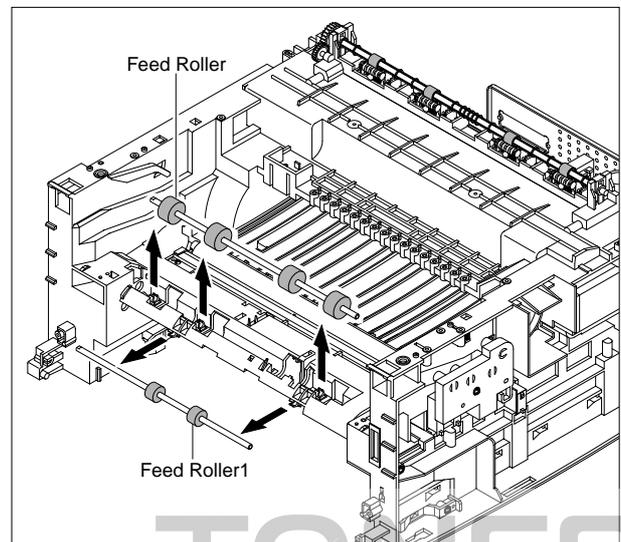
5. Remove the Idle Gear and Feed Gear2.



6. Remove the Feed Gear 1 Ass'y, as shown below.



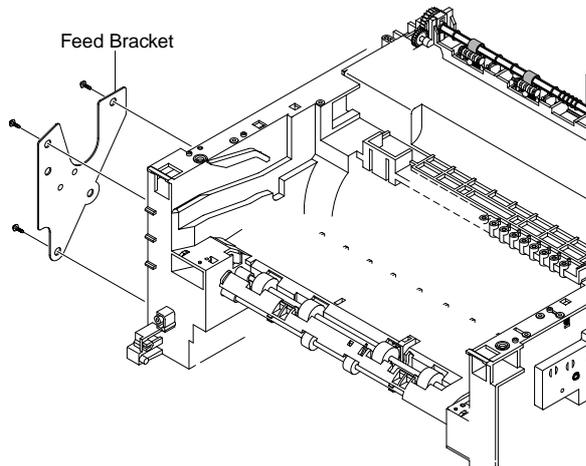
7. Remove the Feed Roller and Feed Roller 1, as shown below.



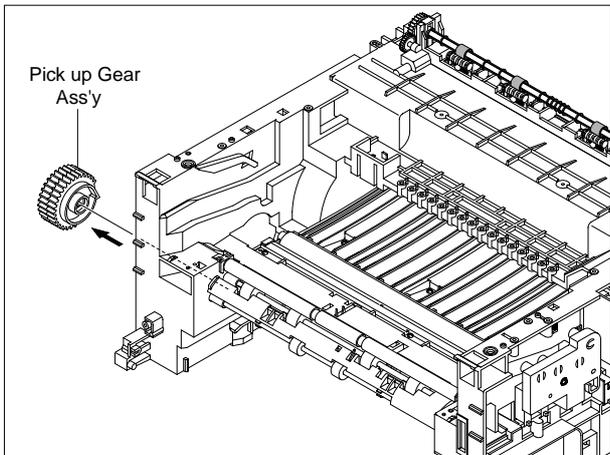
5.13 Pick Up Roller & Solenoid

1. Before you remove the Pick up Roller, you should remove:
 - Top Cover (see page 5-2)
 - Drive Ass'y (see page 5-7)
 - Engine Shield Ass'y (see page 5-8)

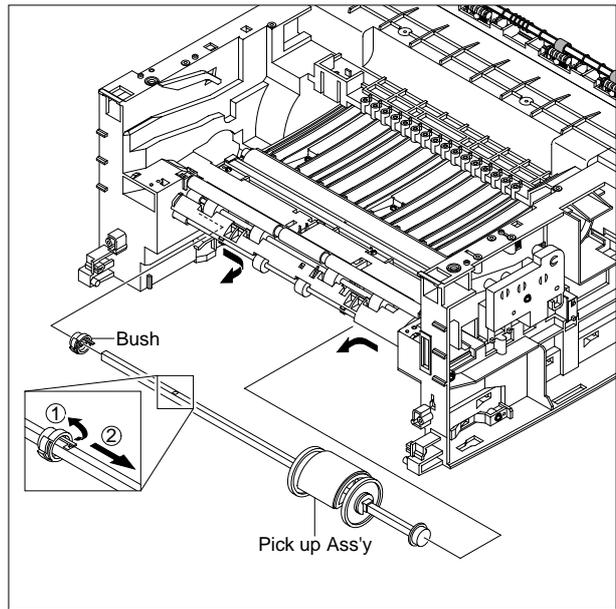
2. Remove three screws from the Feed Bracket and take it out.



3. Remove the Pick up Gear Ass'y, as shown below.



4. Remove the Pick up Ass'y, as shown below.



5. Remove two screws then remove the Manual Solenoid and Pick Up Solenoid.

