

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.

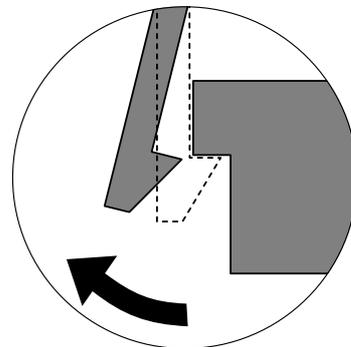
Whenever servicing the machine, you must perform as follows:

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

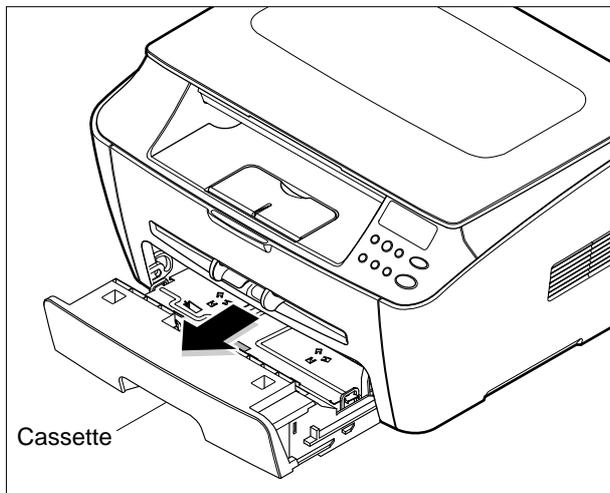
Many of the parts are held in place with plastic latches. The latches break easily; release them carefully.

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



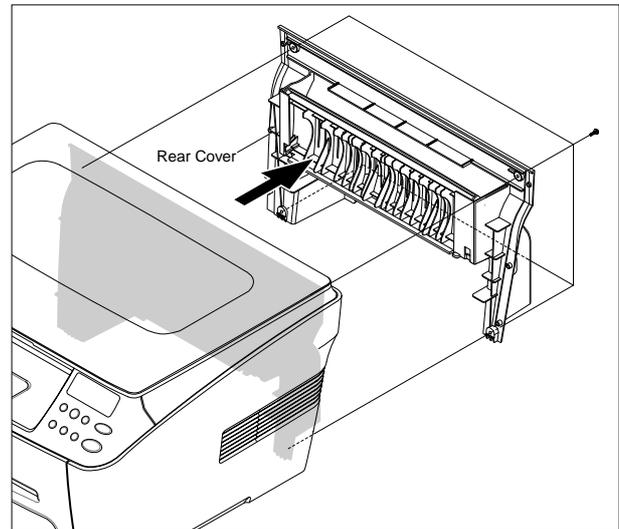
5.2 Front and Rear Cover Units

1. Take the Cassette out of the printer.



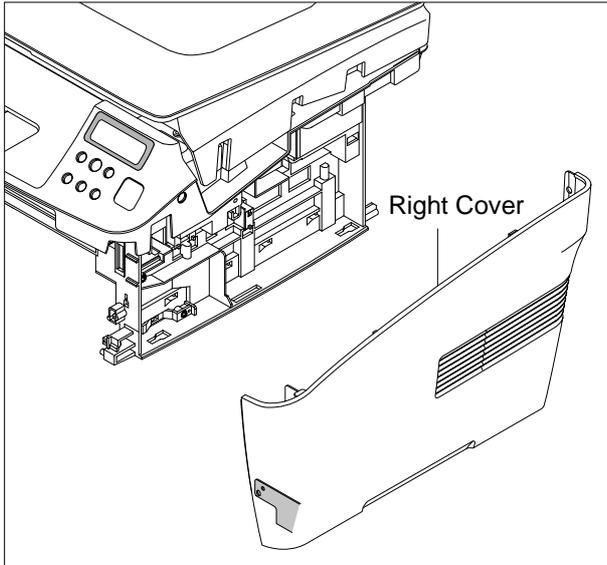
2. Remove the Front Cover in the direction of arrow.

3. Remove the 4 screws securing the Rear Cover and remove it, as shown below.

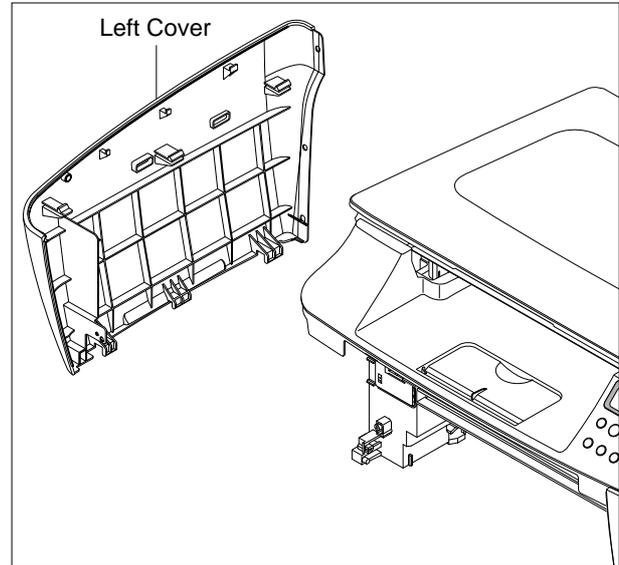


5.3 Side Covers

1. Before you remove the Side Cover (Left Cover, Right Cover), you should remove:
 - Rear Cover (see page 5-2)
 - Front Cover (see page 5-2)
2. Remove 1 screw at the front of the unit. Unclip the right cover along the top edge and remove it from the Frame Assembly.



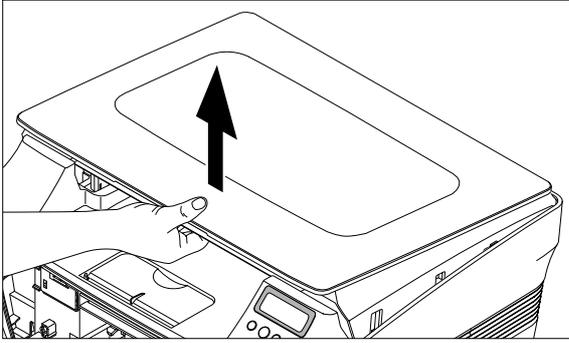
3. Remove 1 screw at the front of the unit. Unclip the right cover along the top edge and remove it from the Frame Assembly.



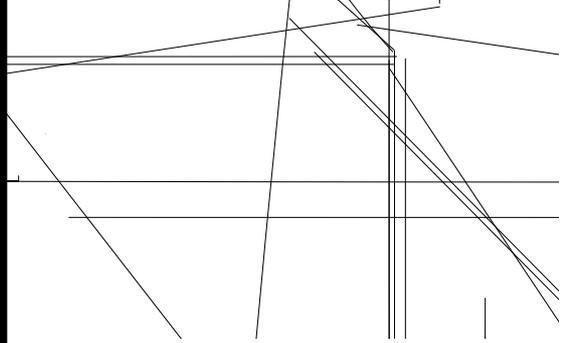
5.4 Scanner Ass'y

< Caution >

1. Before disassembling the Scanner Ass'y first lift it carefully at the front edge. The support lever will automatically raise into position.

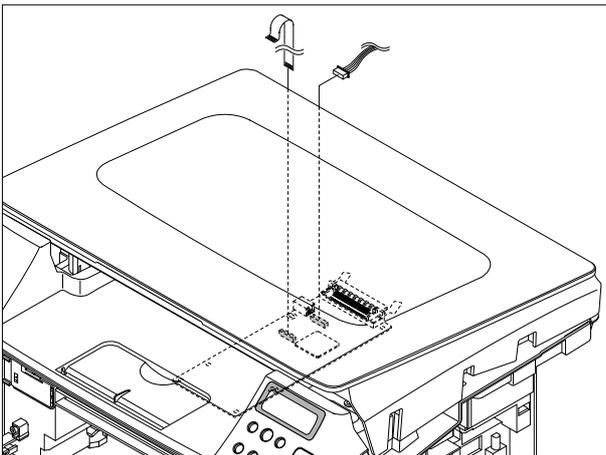


2. Take care not to trap your fingers or hand in the mechanism.

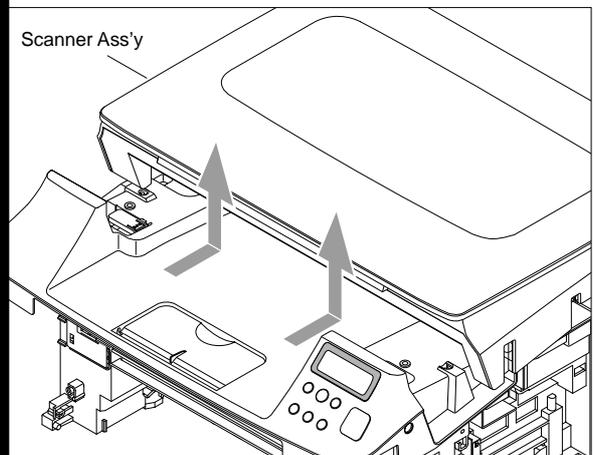


5.4.1 Remove Scanner Ass'y

1. Before you remove the Scanner Ass'y, you should remove:
 - Rear Cover (see page 5-2)
 - Side Cover(Left Cover, Right Cover)(see page 5-3)
2. Remove the 2 connectors from the main PBA and release the ground wire from the Motor Drive Ass'y as shown below.



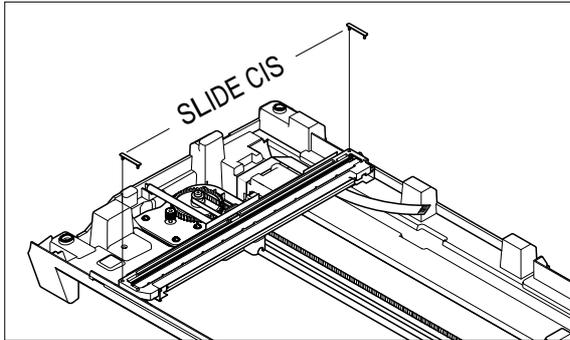
3. Carefully lift the Scanner Ass'y from the base taking care to thread the cables through the frame.



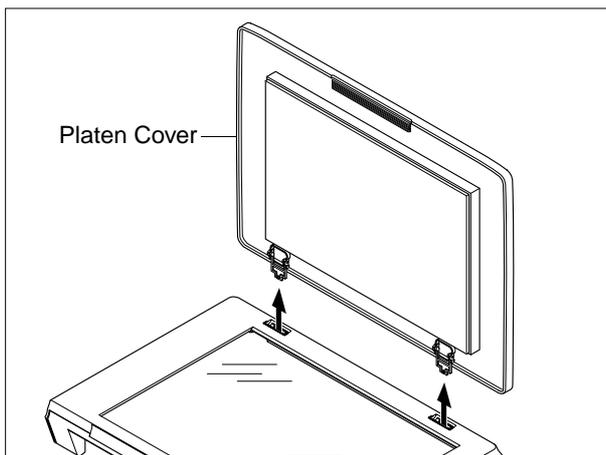
5.4.2 Dismantle Scanner Ass'y

< Caution >

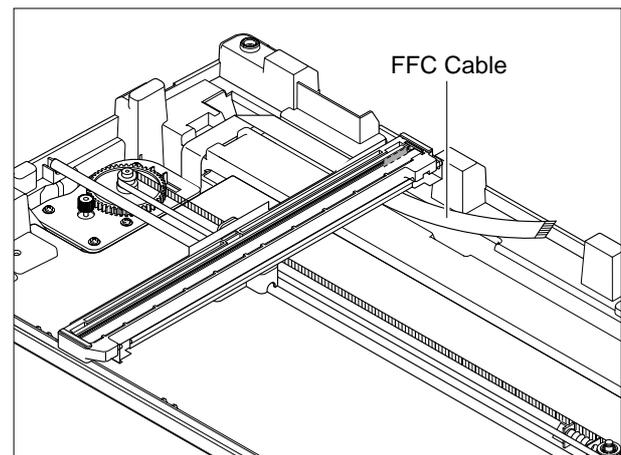
1. Before disassembling the scanner module remove the 2 plastic spacers from each end of the scanner module.



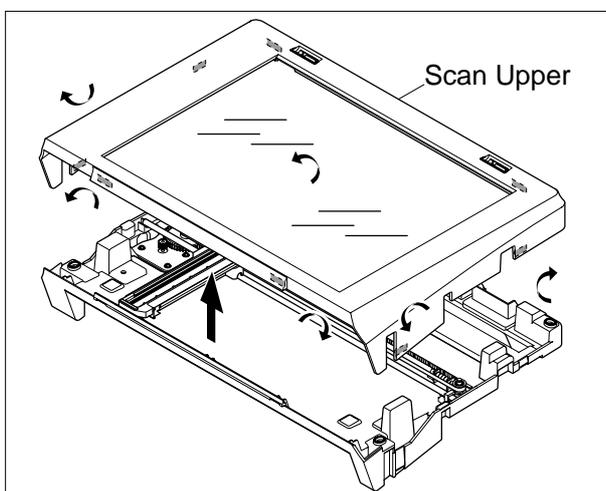
1. Lift the Platen Cover upward and remove it.



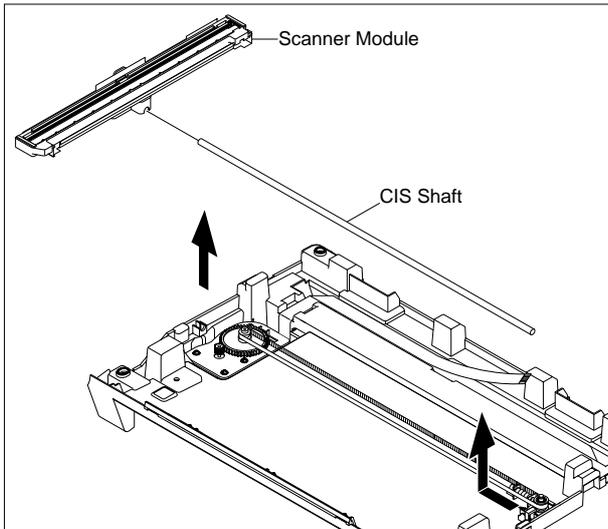
3. Remove the CCD Cable, as shown below.



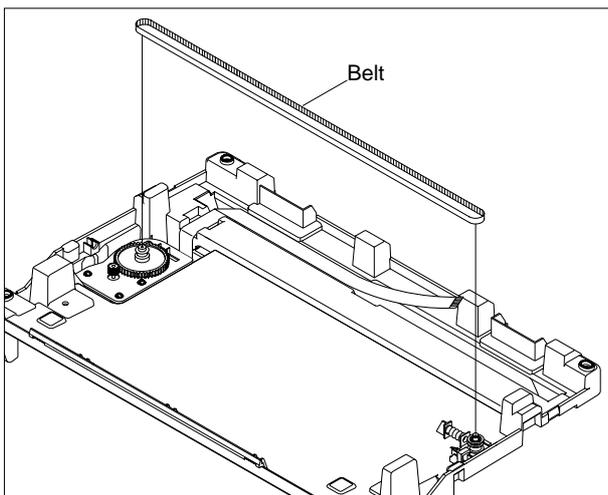
2. Release 8 clips (2 per side) securing the scanner upper frame to the scanner lower frame and remove the upper frame



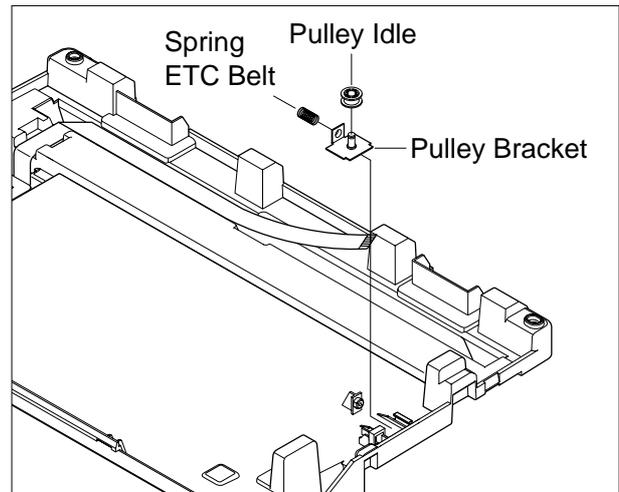
4. Pull up the CCD Shaft and take out the Scanner Module.



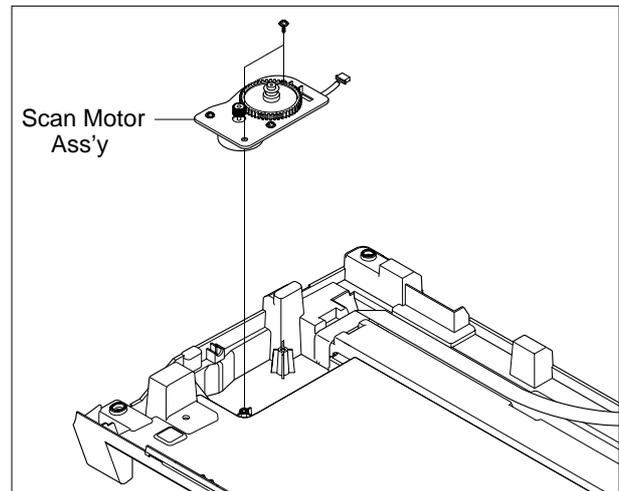
5. Push the Belt Holder and take out the Belt, as shown below.



6. Remove the Pulley Idle, as shown below.

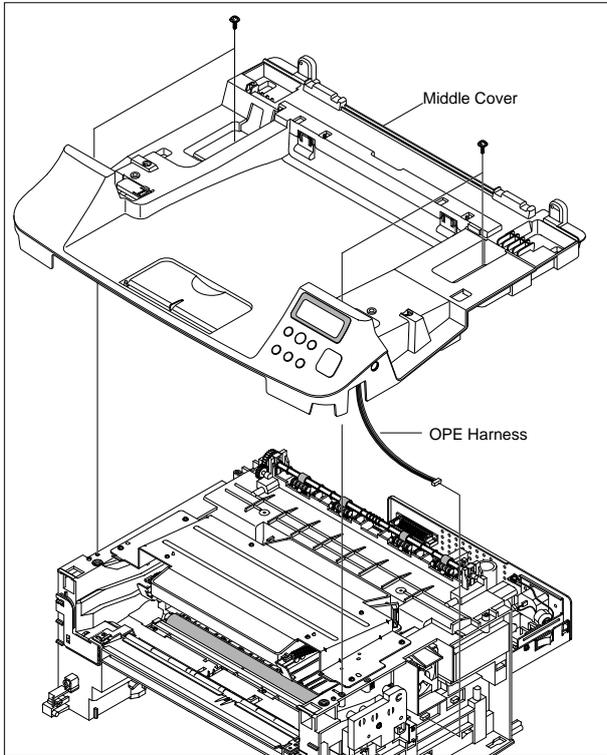


7. Remove the 2 screws and take out the Scan Motor Ass'y.

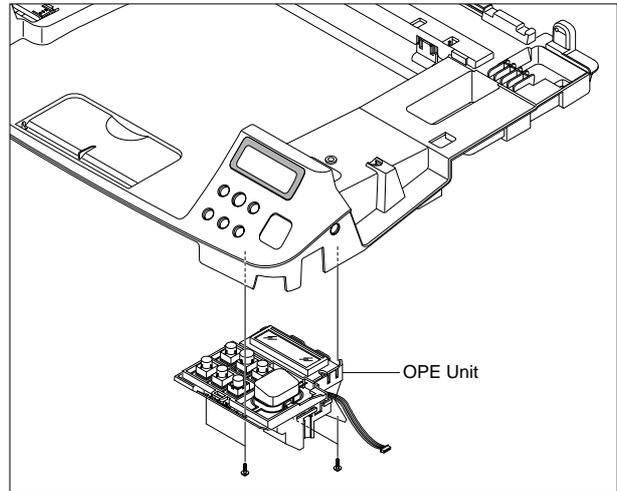


5.5 Middle Cover

1. Disconnect the OPE harness from the Main PBA and remove the 4 screws securing the Middle Cover. Remove it, as shown below.

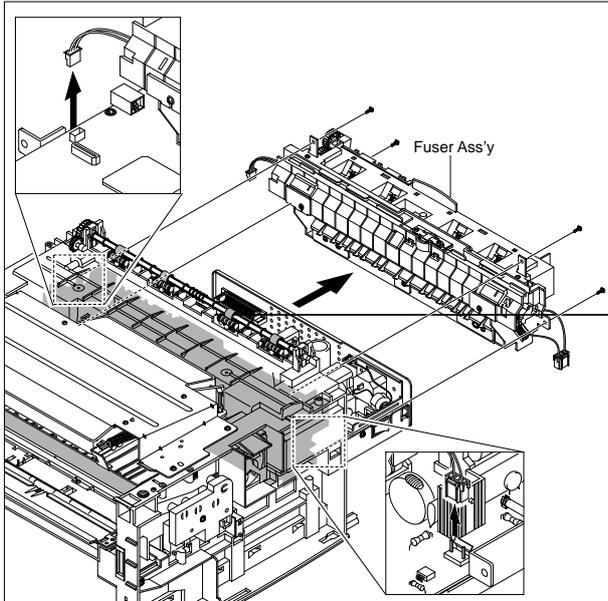


2. Remove the 4 screws securing the OPE Unit from the Middle Cover.

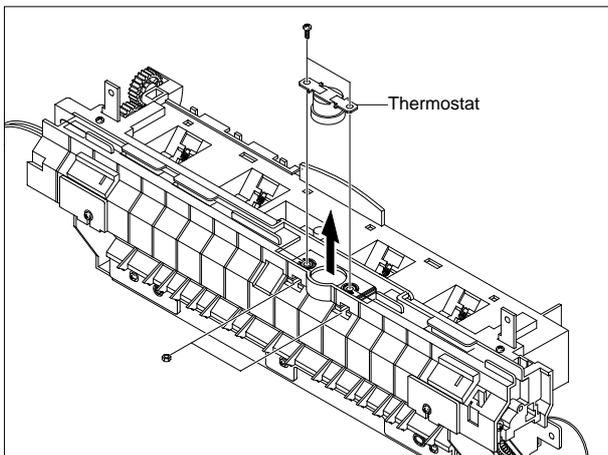


5.6 Fuser(Heat Lamp Type)

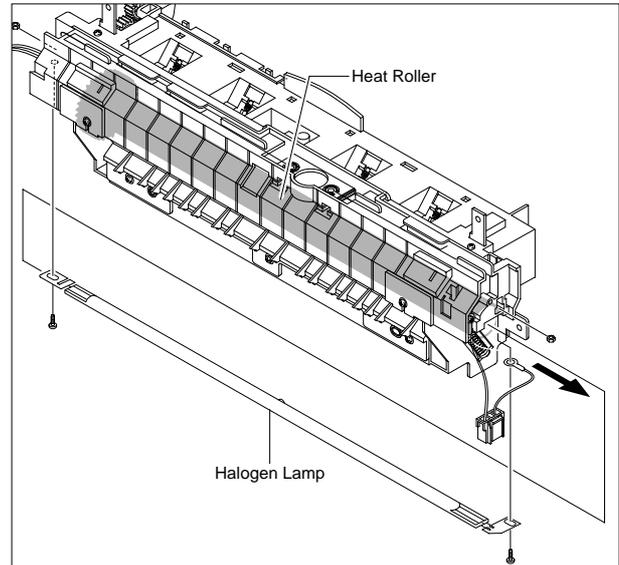
1. Before you remove the Fuser, you should remove:
-Rear Cover (see page 5-2)
2. Unplug two connectors from the boards and then remove 4 screws. Remove the Fuser Ass'y taking care not to damage the Exit Sensor.



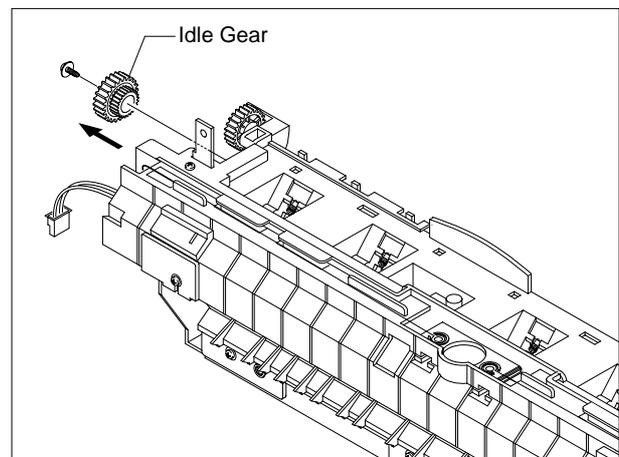
3. Remove 2 screws and take the Thermostat out of the Fuser.



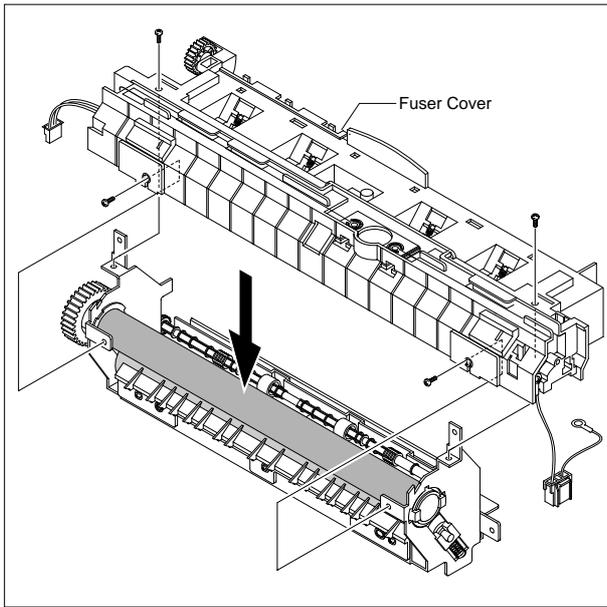
4. Remove 2 screws and take the Halogen Lamp out of the Heat Roller.



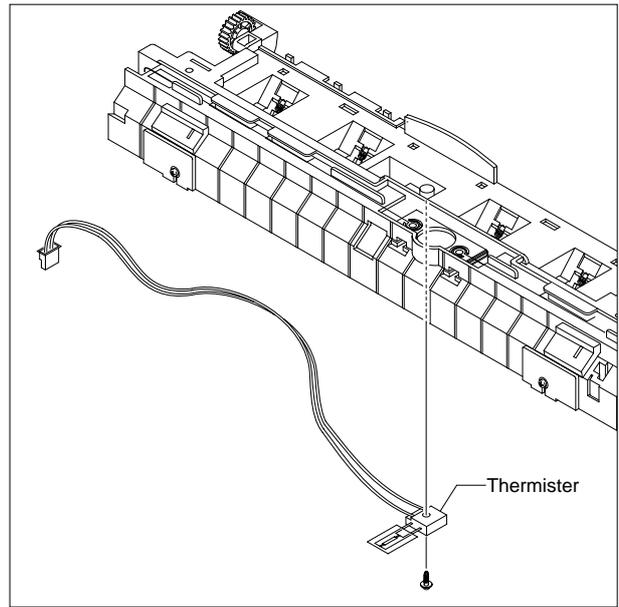
5. Remove 1 screw and take the Idle Gear out.



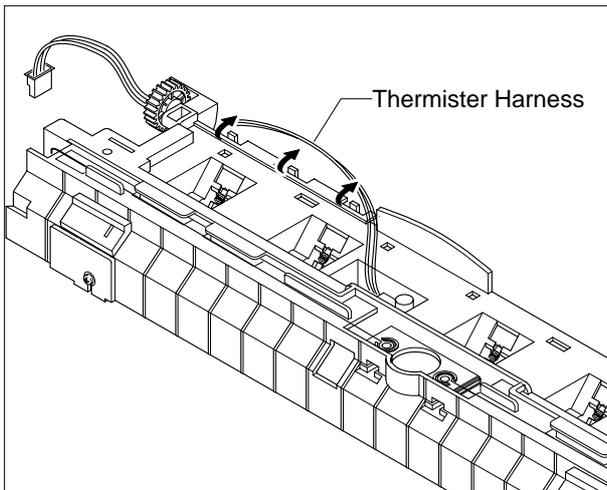
6. Remove 4 screws and divide the Fuser into two parts.



8. Remove the Thermister from the Fuser Cover.



7. Unwrap the Thermister Harness, as shown below.

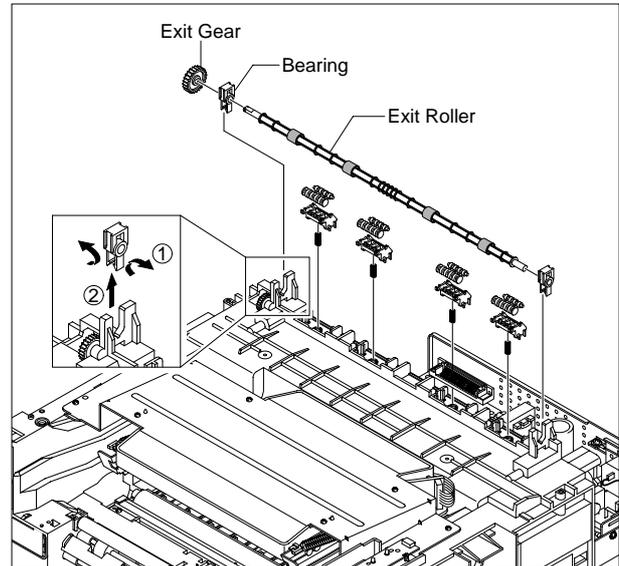


5.7 Exit Roller

1. Before you remove the Exit Roller you should remove:

- Rear Cover (see page 5-2)
- Side Covers (see page 5-3)
- Scanner Ass'y (see page 5-4)
- Middle Cover (see page 5-6)

2. Remove the white Exit Gear, and release a bearing clip at one end then remove the shaft and rollers as shown below.

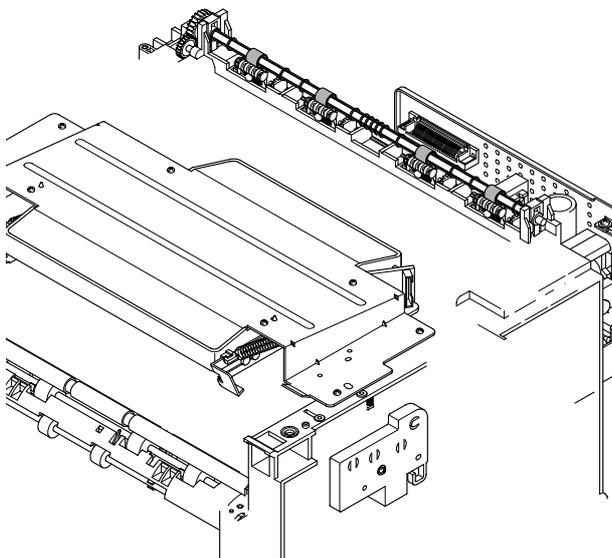


5.8 LSU

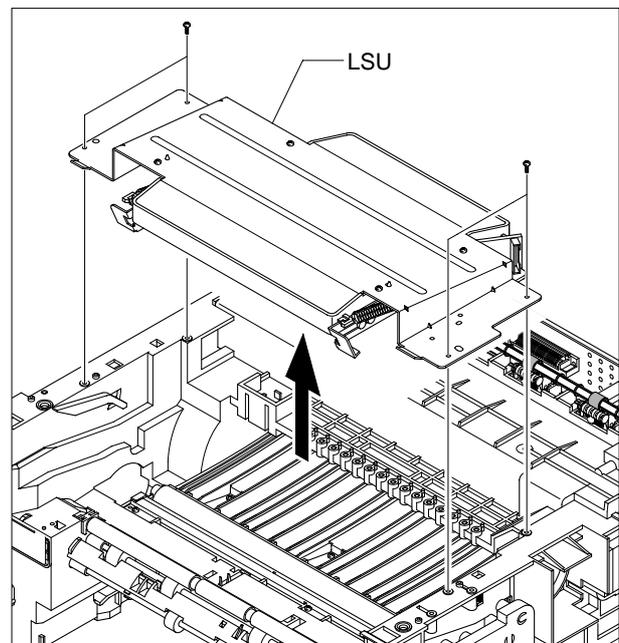
1. Before you remove the LSU you should remove:

- Rear Cover (see page 5-2)
- Side Covers (see page 5-3)
- Scanner Ass'y (see page 5-4)
- Middle Cover (see page 5-6)

2. Unplug 2 connector from the LSU.



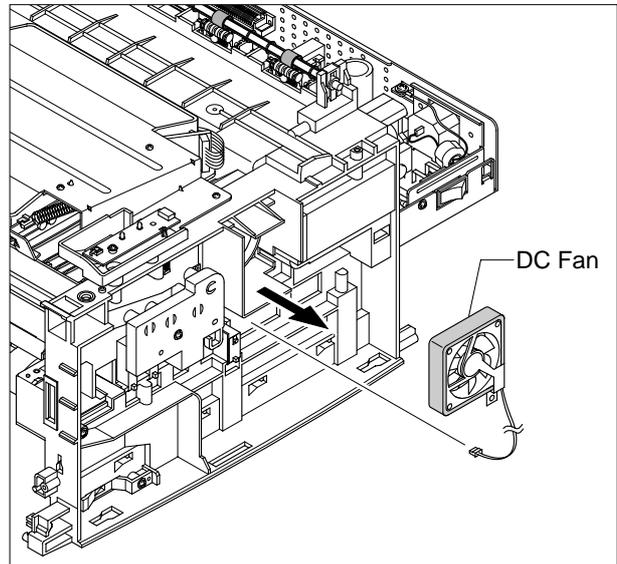
3. Unplug 4 screws and take the LSU out.



5.9 Fan

- Before you remove the Fan you should remove:
 - Rear Cover (see page 5-2)
 - Right Side Cover (see page 5-3)

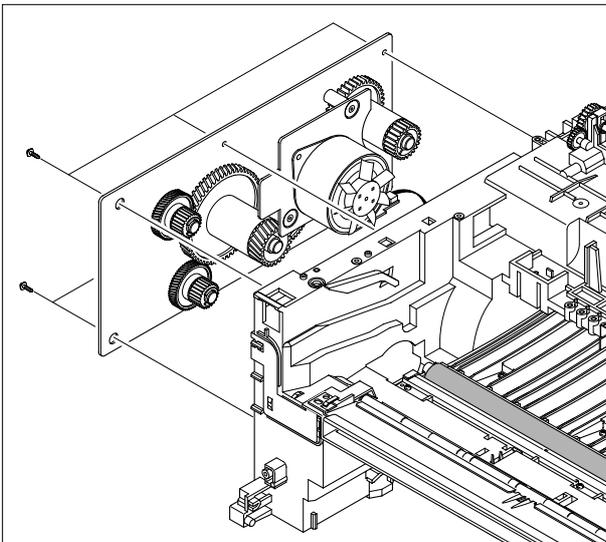
- Unplug the connector from the SMPS and remove 1 screw. Then take out the Fan.



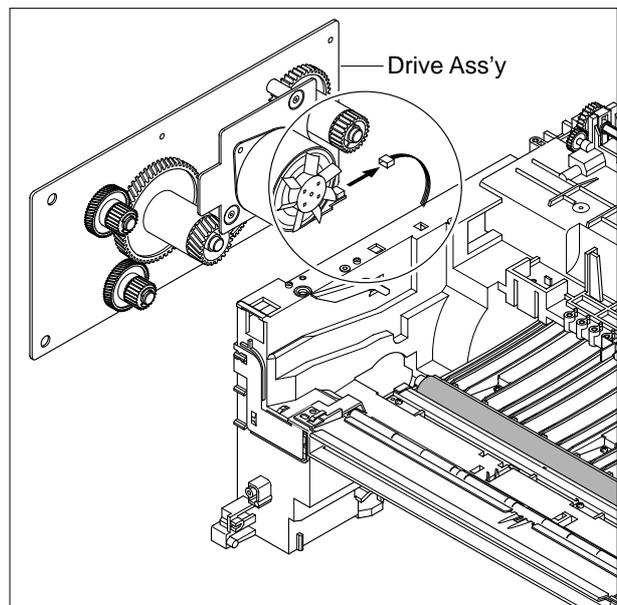
5.10 Drive Ass'y

- Before you remove the Drive Ass'y, you should remove:
 - Rear Cover (see page 5-2)
 - Left Side Cover (see page 5-3)

- Remove the 6 screws from the Drive Ass'y.



- Unplug 1 connector from the Drive Ass'y.

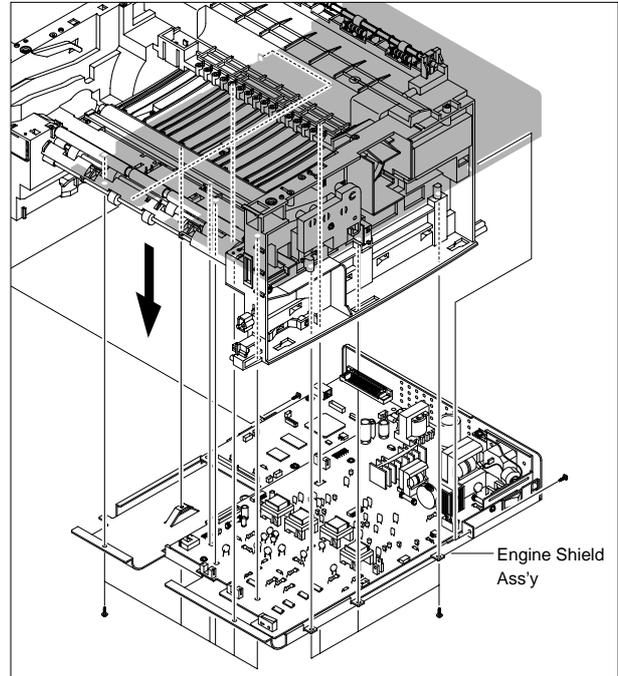


Note when re-fitting the motor Drive Ass'y tighten the screws in the order that they are numbered on the Motor Drive Ass'y base plate.

5.11 Engine Shield Ass'y

1. Before you remove the Fuser, you should remove:
 - Rear Cover (see page 5-2)
 - Side Covers (see page 5-3)
 - Fuser Connector (see page 5-7)

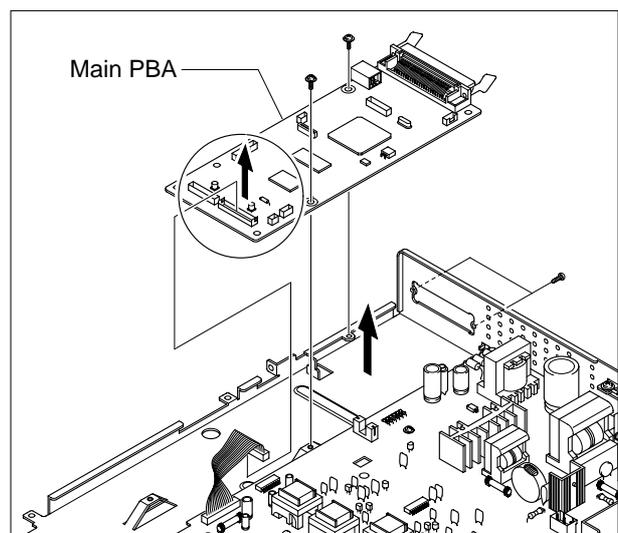
2. Remove the 14 screws securing the Engine Shield Ass'y and unplug the all connectors. Then remove the Engine Shield Ass'y.



5.12 Main PBA

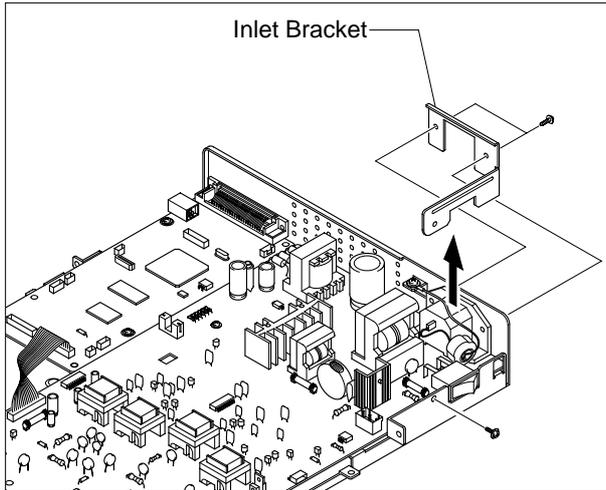
1. Before you remove the Main PBA, you should remove:
 - Rear Cover (see page 5-2)
 - Side Covers (see page 5-3)
 - Fuser Connector (see page 5-7)
 - Engine Shield Ass'y (see page 5-11)

2. Unplug 1 connector and remove 5 screws from the Main PBA. Then lift the Main PBA out as shown below.

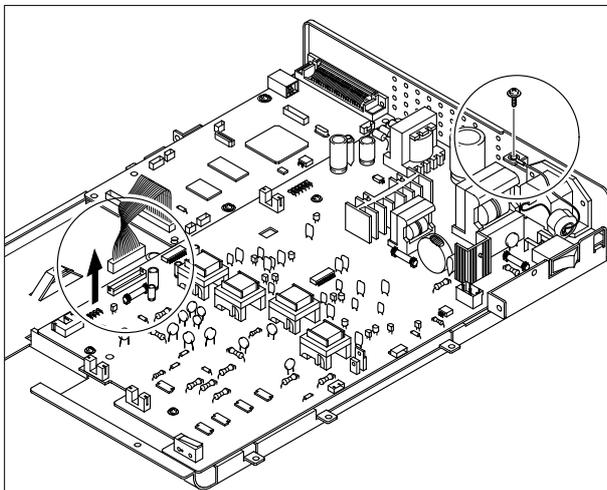


5.13 SMPS

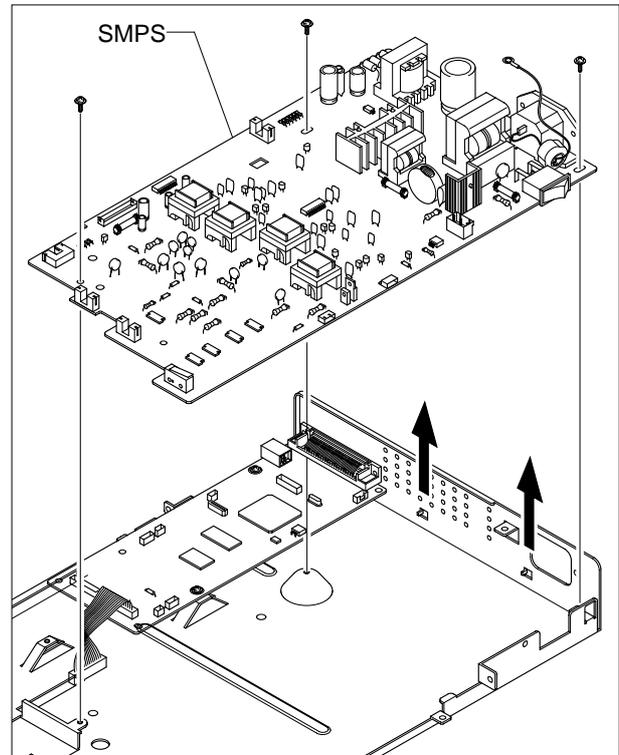
- Before you remove the SMPS, you should remove:
 - Rear Cover (see page 5-2)
 - Side Covers (see page 5-3)
 - Fuser Connector (see page 5-7)
 - Engine Shield Ass'y (see page 5-11)
- Unplug 1 connector and remove 3 screws then take the Inlet Bracket out.



- Remove 1 screw and unplug 1 connector from the Main PBA.



- Remove 3 screws and take the SMPS out.

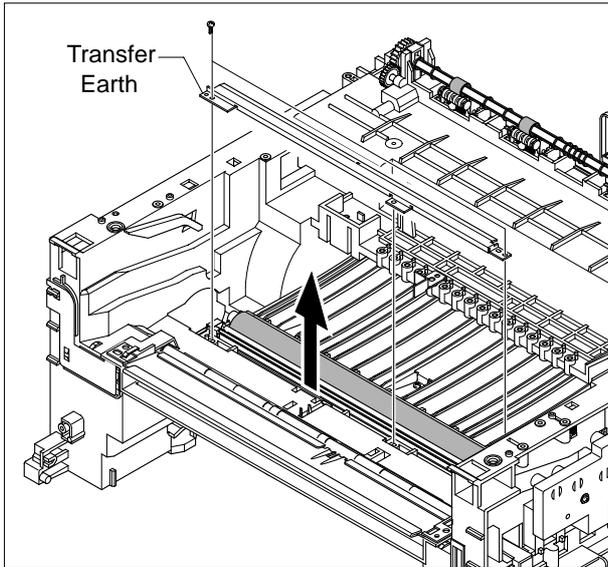


5.14 Transfer Roller

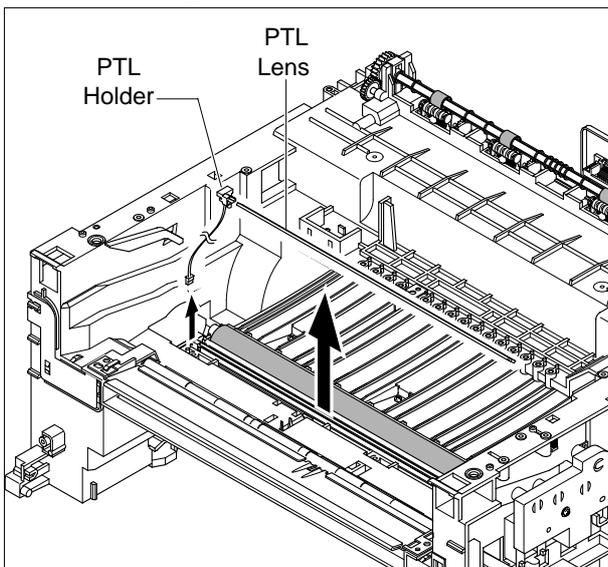
1. Before you remove the Transfer Roller you should remove:

- Rear Cover (see page 5-2)
- Side Covers (see page 5-3)
- Scanner Ass'y (see page 5-4)
- Middle Cover (see page 5-6)
- LSU(see page 5-9)

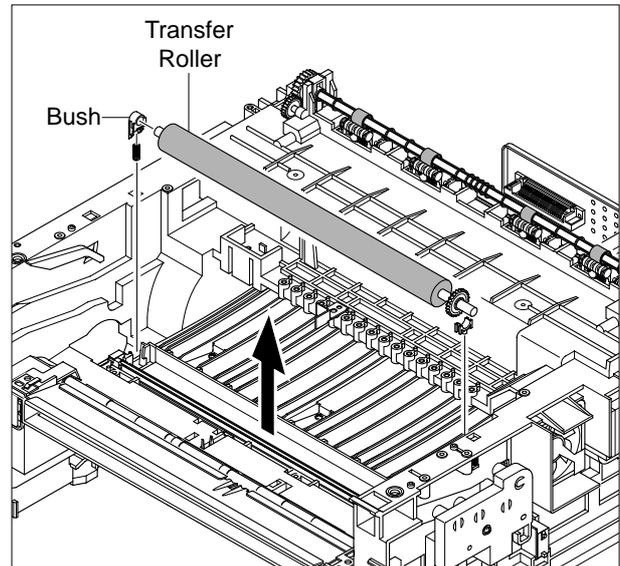
2. Remove 3 screws and take the Transfer Earth out.



3. Unplug the PTL Holder Connector then remove the PTL Holder and PTL Lens as shown below. Take care to note the orientation of the PTL lens and ensure it is refitted correctly



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

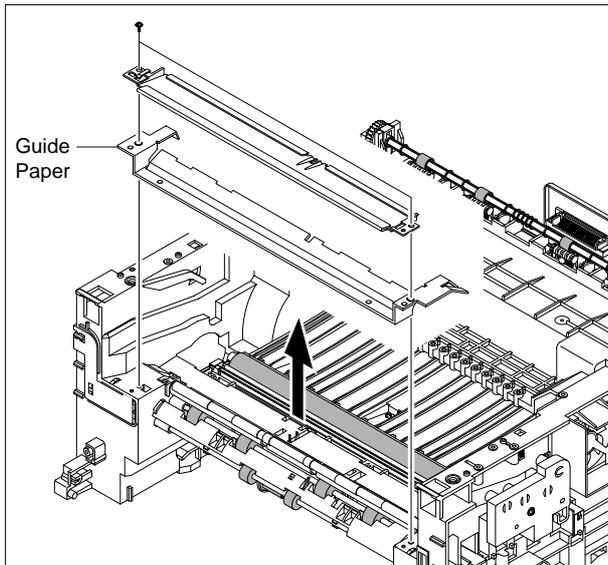


5.15 Feed Roller

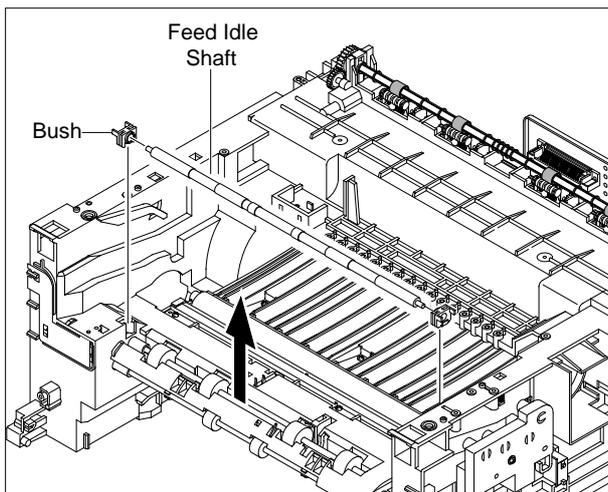
1. Before you remove the Feed Roller you should remove:

- Rear Cover (see page 5-2)
- Side Covers (see page 5-3)
- Scanner Ass'y (see page 5-4)
- Middle Cover (see page 5-6)
- LSU (see page 5-9)
- Drive Ass'y (see page 5-10)

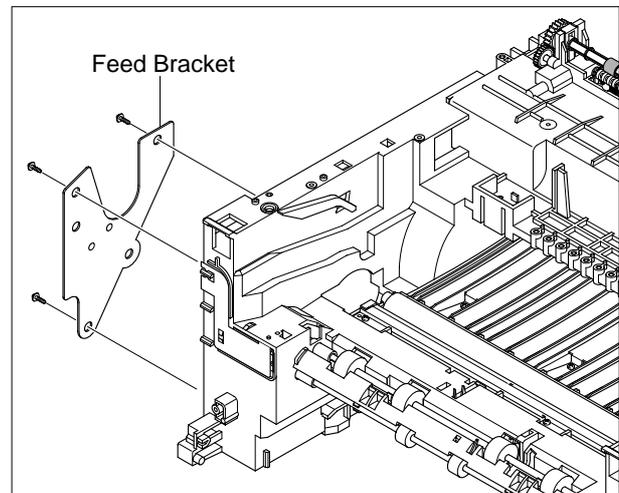
2. Remove 2 screws from the Guide Paper and take it out.



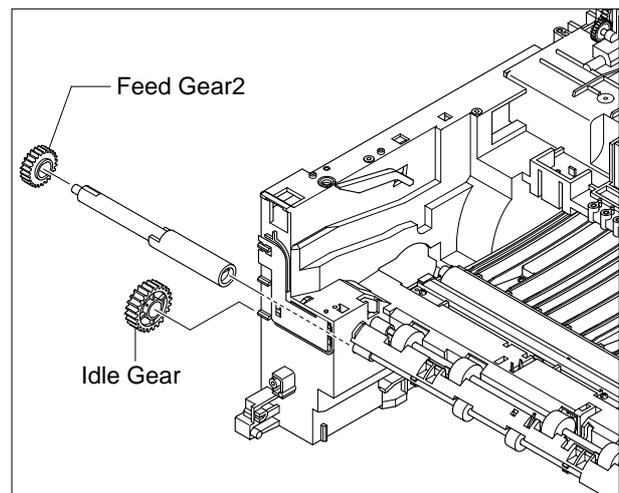
3. Pull up the Feed Idle Bush and Feed Idle Shaft, as shown below.



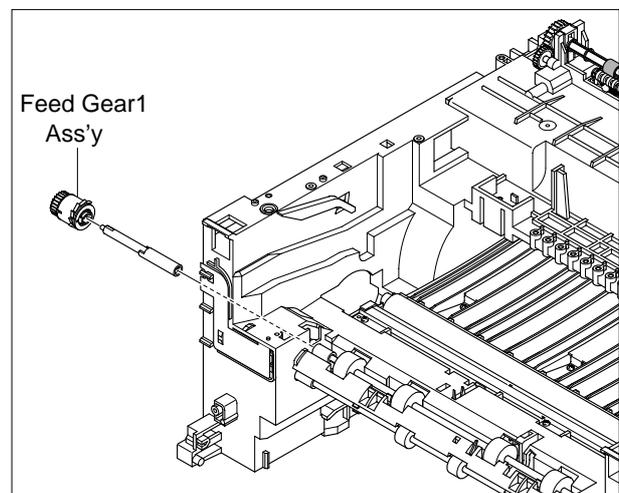
4. Remove 3 screws from the Feed Bracket and take it out.



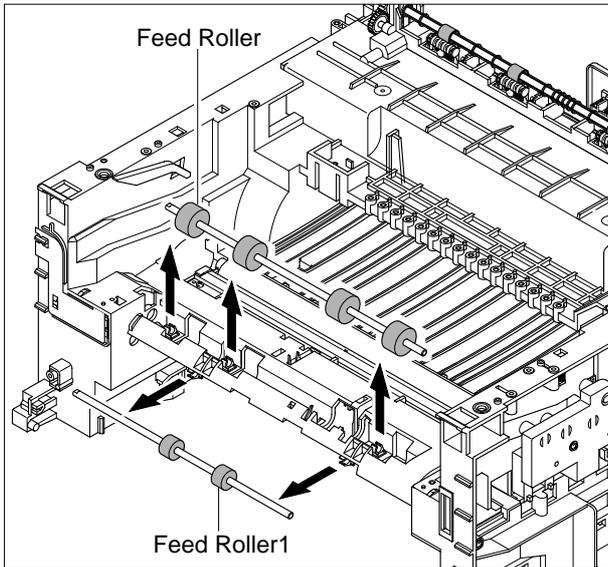
5. Remove the Idle Gear and Feed Gear2.



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



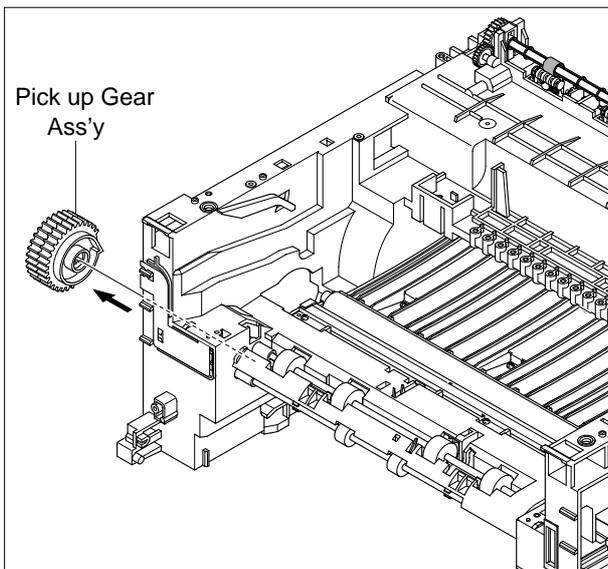
7. Remove the Feed Roller and Feed Roller1, as shown below.



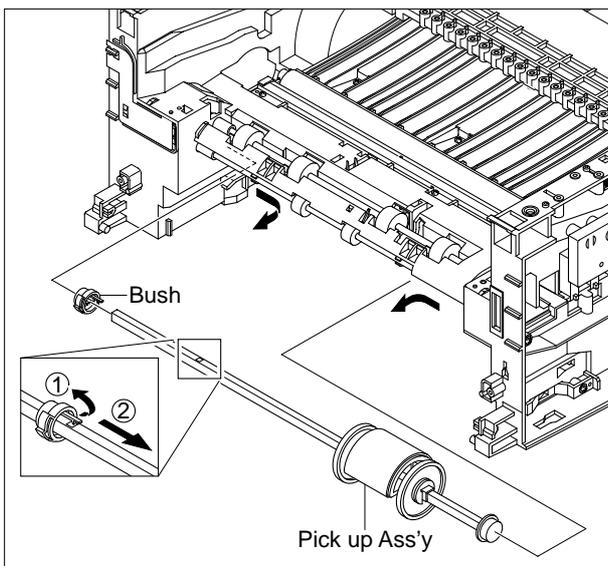
5.16 Pick Up Roller & Solenoid

- Before you remove the Pick Up Roller and Solenoid you should remove:
 - Rear Cover (see page 5-2)
 - Side Covers (see page 5-3)
 - Scanner Ass'y (see page 5-4)
 - Middle Cover (see page 5-6)
 - LSU (see page 5-9)
 - Drive Ass'y (see page 5-10)
 - Feed Bracket and Gears (See page 5-14 steps 4 - 6)

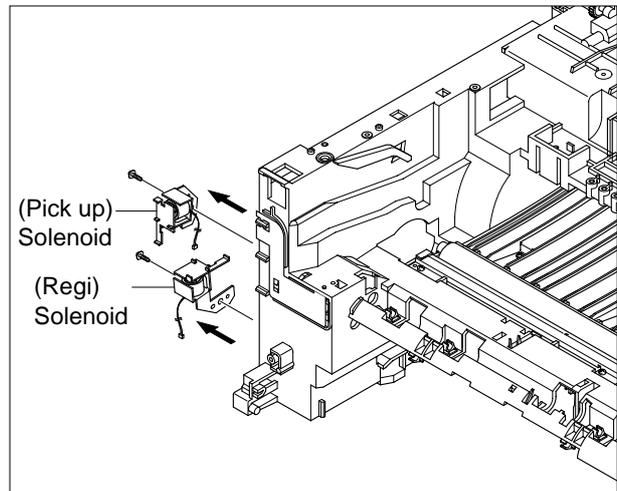
- Remove the Pick up Gear Ass'y, as shown below.



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



- Remove 2 screws then remove the Regi Solenoid and Pick Up Solenoid.



MEMO

