

## 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.

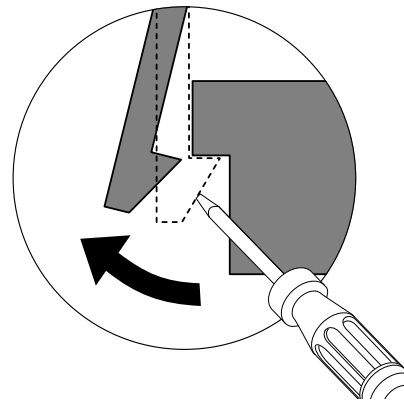
#### Whenever servicing the machine, you must perform as follows:

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

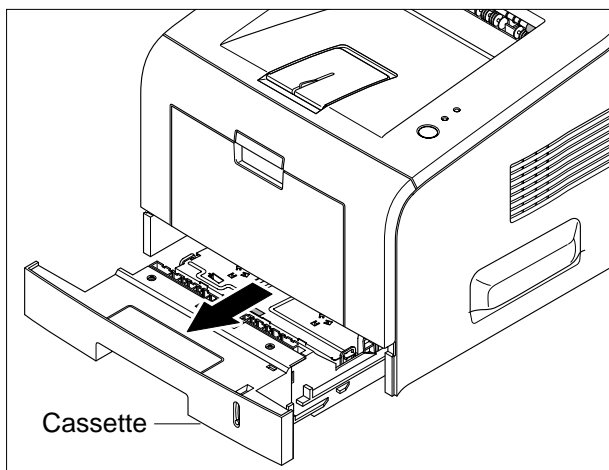
Many of the parts are held in place with plastic latches. The latches break easily; release them carefully.

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

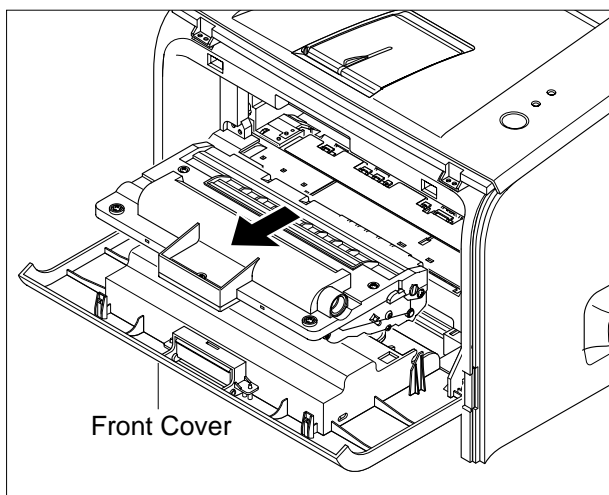


## 5.2 Front Cover

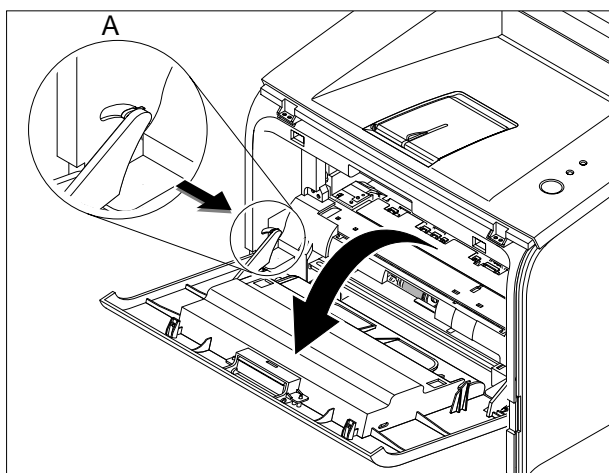
1. Pull the Cassette out of the printer.



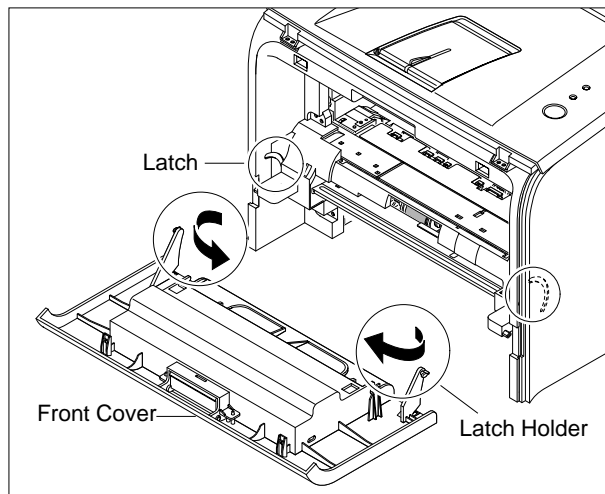
2. Open the Front Cover push the toner cartridge down and remove it from the printer.



3. Release the hinges by pulling inwards as shown in "A" below

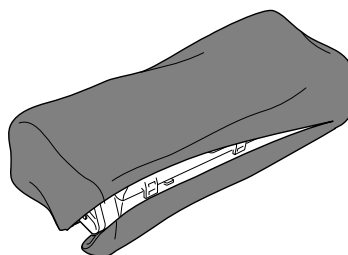


4. Pull the front cover away from the machine.



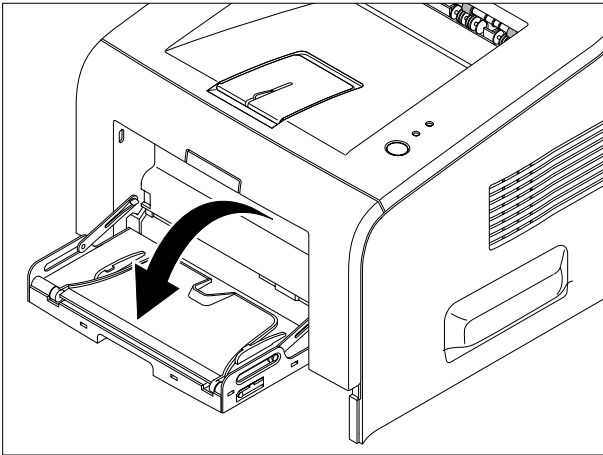
### Maintaining Print Quality.

- To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes.

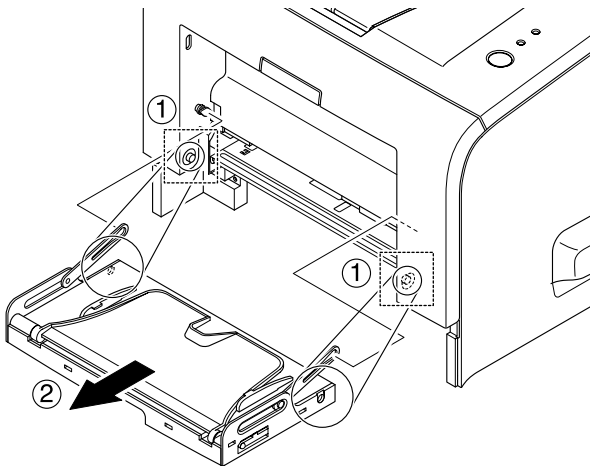


## 5.3 MP-Tray Ass'y

1. Open the Tray Ass'y

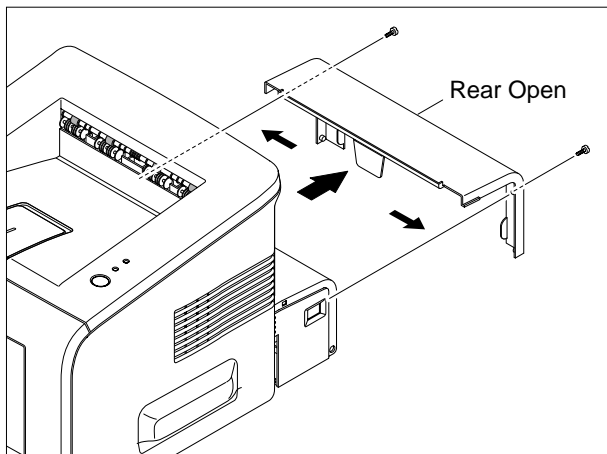


2. Carefully bend the clear plastic hinge supports (1) to release them from the guide hooks. Push the Front cover side outwards to release the MP Tray hinge.

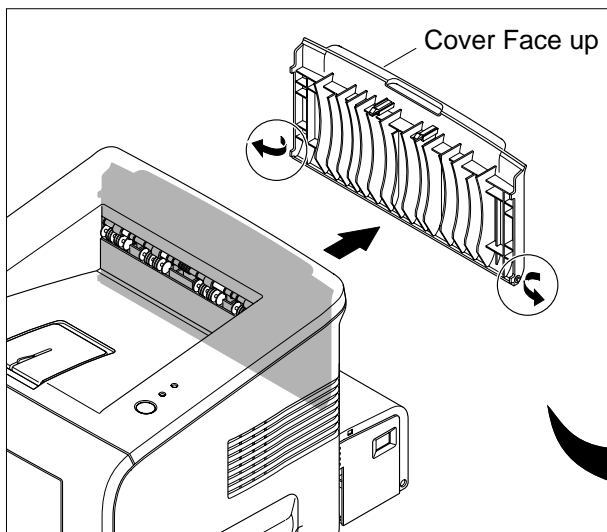


## 5.4 Rear Cover

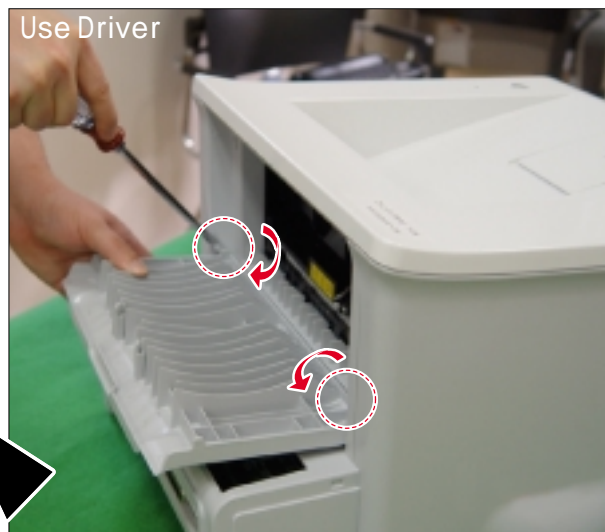
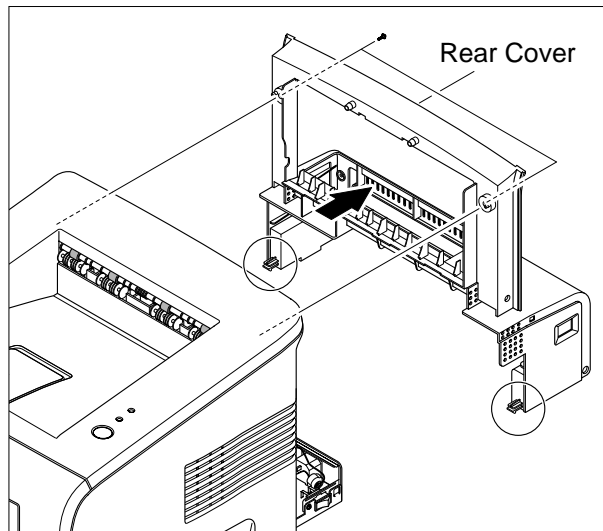
1. Release two screws and remove the Option Cover Ass'y.



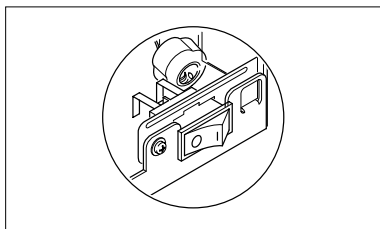
2. Remove the Cover Face up in the direction of arrow.



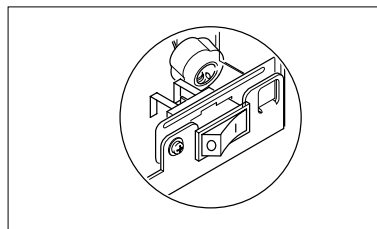
3. Release two screws, as shown below and remove up the "Rear Cover" (release plastic "HOOK" carefully)



**Note.** To make Disassembly and Reassembly simpler.



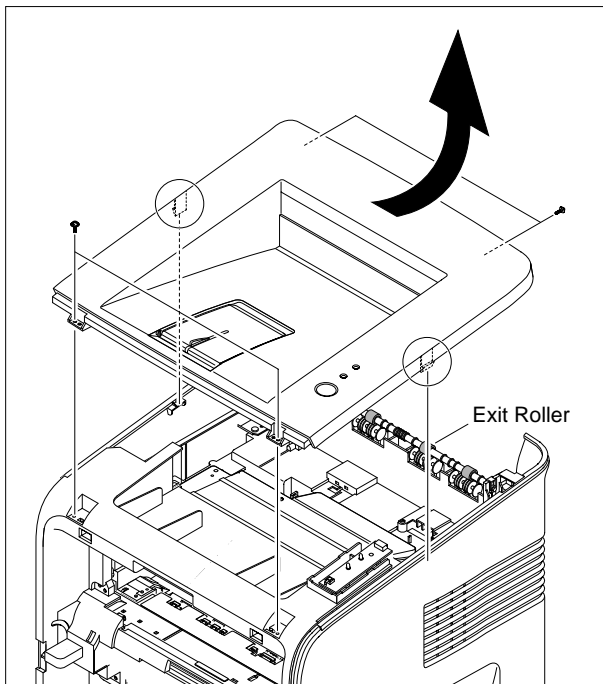
- Disassembly - Switch in OFF Position



- Reassembly – Switch in ON position

## 5.5 Top Cover

1. Before you remove the Top Cover Ass'y, you should remove:
  - Front Cover
  - Rear Cover
2. Remove four screws securing the Top Cover Ass'y, as shown below.



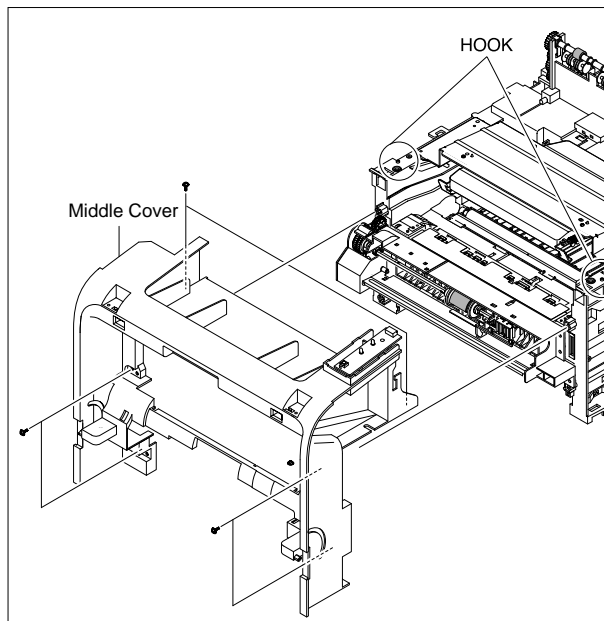
### Take Care.

When removing or refitting the top cover take care not to damage the Exit Roller.

## 5.6 Middle Cover

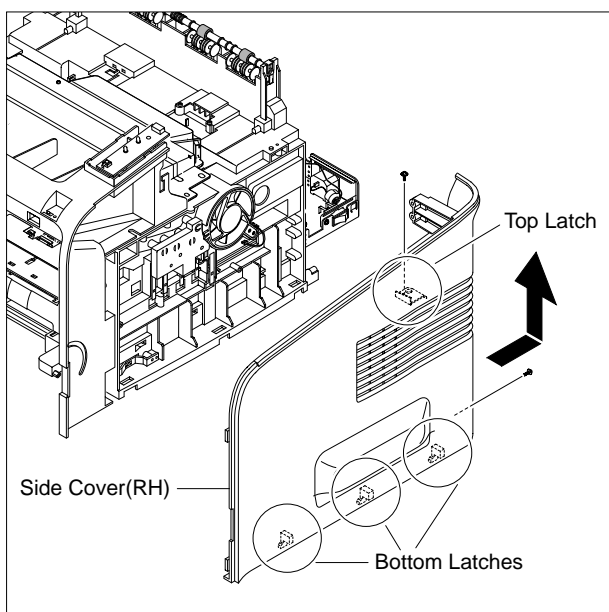
- Before you remove the Middle Cover, you should remove:
  - Front Cover
  - Rear Cover
  - Top Cover

- Disconnect the OPE harness and remove four screws securing the Base Frame, as shown below.

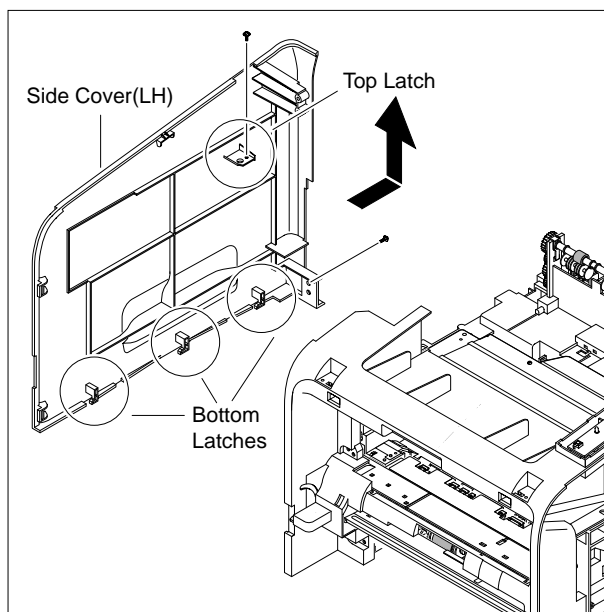


## 5.7 Side Cover(LH, RH)

- Before you remove the Side Cover(LH, RH), you should remove:
  - Front Cover
  - Rear Cover
  - Top Cover
- Remove the two screws and release the latches from the Frame Ass'y in the direction of the arrow, then remove the side cover(RH).



- Remove the two screws and release the latches from the Frame Ass'y in the direction of the arrow, then remove the side cover(LH).

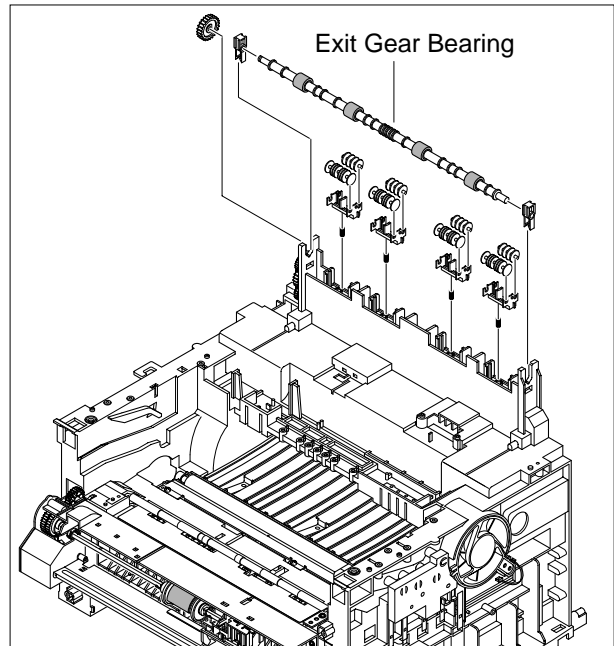


## 5.8 Exit Roller

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

- Front Cover
- Rear Cover
- Side Cover(LH, RH)
- Top Cover

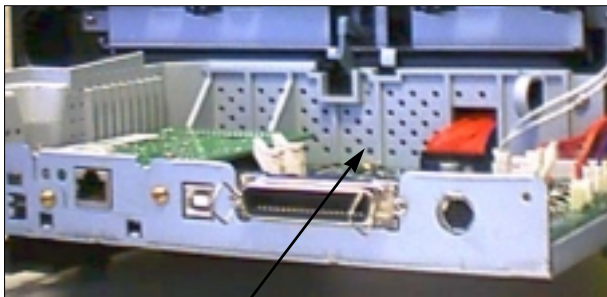
2. Remove the Exit Gear, Bearing and Exit Roller as shown below.





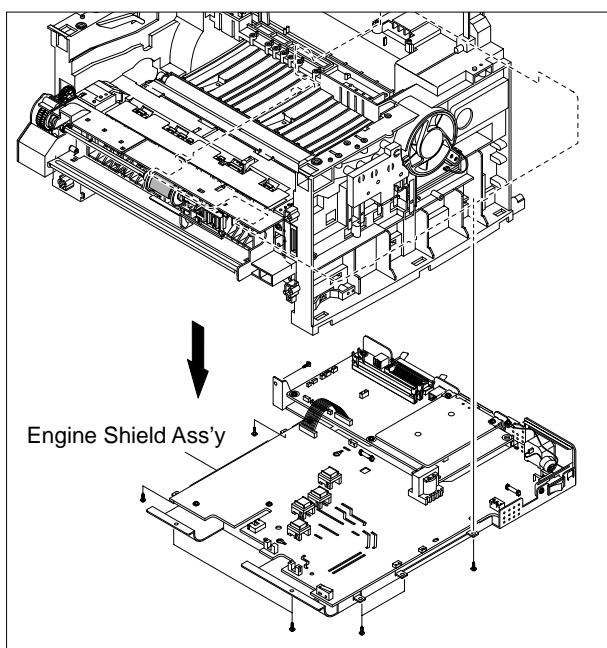
## 5.9 Engine Shield Ass'y & Exit Board

- Before you remove the Engine Shield Ass'y, you should remove:
  - Front Cover
  - Rear Cover
  - Side Cover(LH, RH)
  - Top Cover
- Release 1 screw and remove the SMPS shield Engine Shield Ass'y

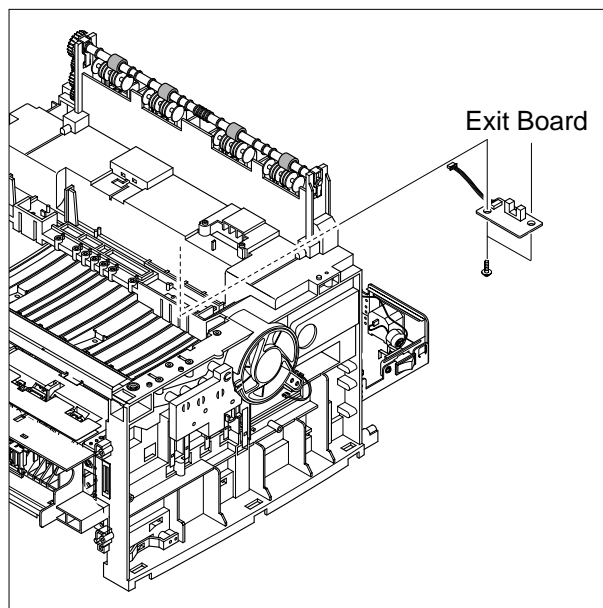


SMPS Shield

- Remove the twelve screws securing from the Engine Shield Ass'y and unplug the all connectors. Then take the Engine Shield Ass'y.



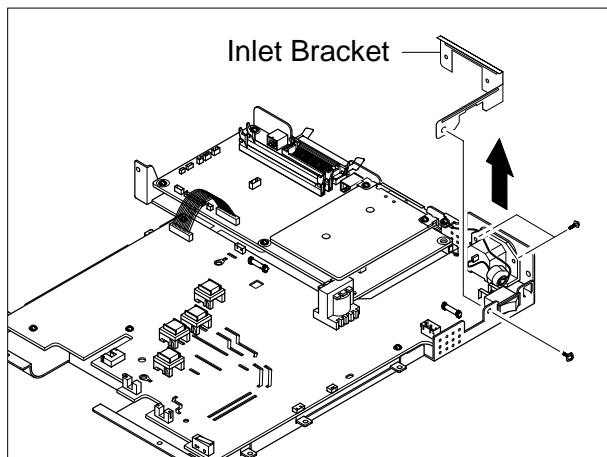
- Remove the two screws and remove the Exit Board.



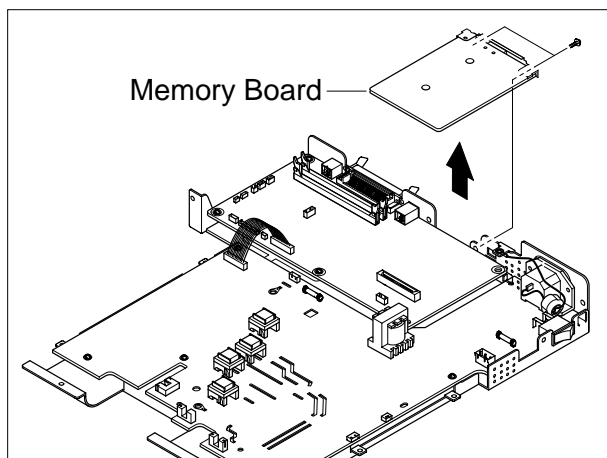


## 5.10 SMPS

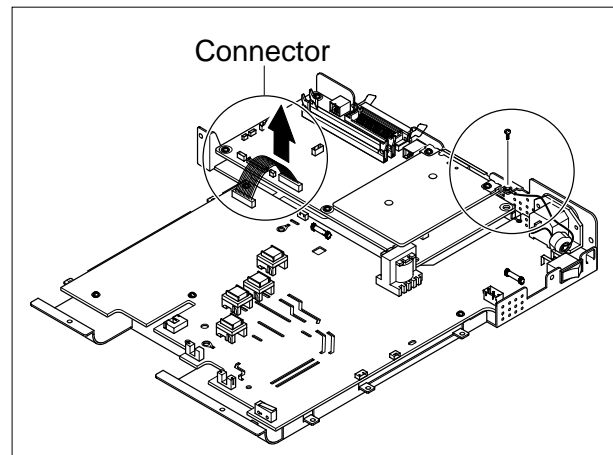
- Before you remove the SMPS, you should remove:
  - Front Cover
  - Rear Cover
  - Side Cover(LH, RH)
  - Top Cover
- Unplug one connector and remove three screws then take the Inlet Bracket out.



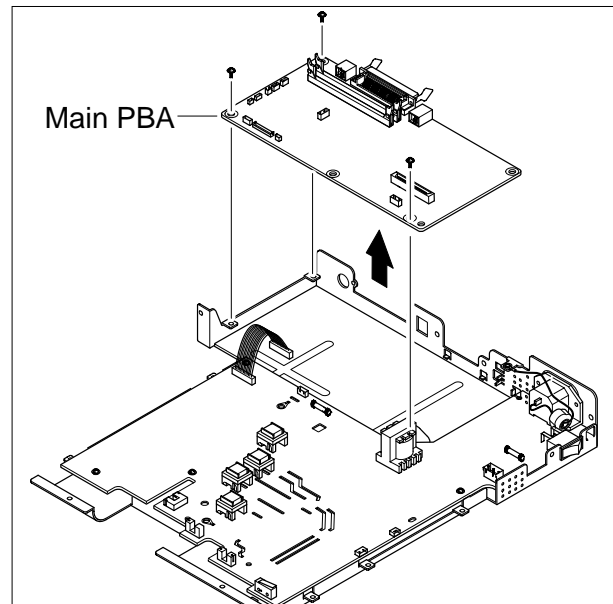
- Remove the two screws and remove the Network Board.



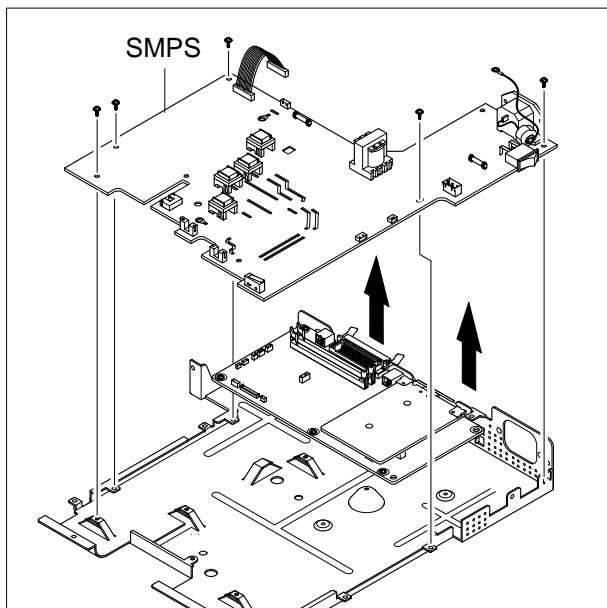
- Unplug one connector from the Main PBA.



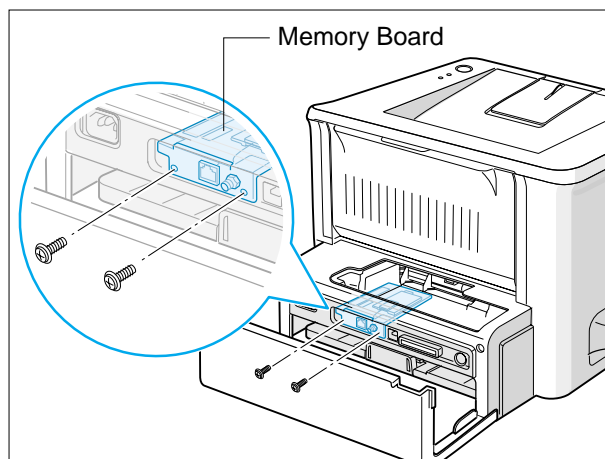
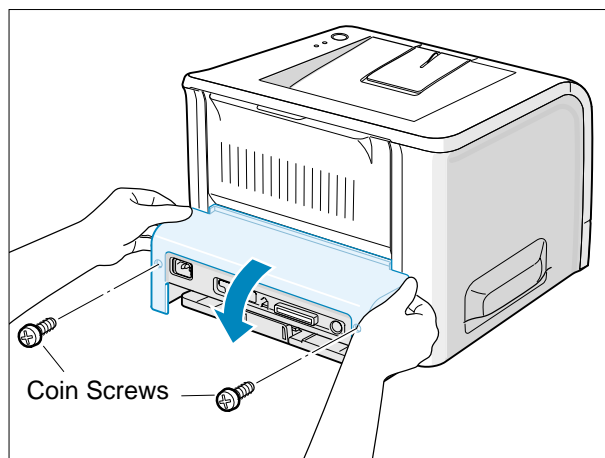
- Remove the six screws and take the Main Board.



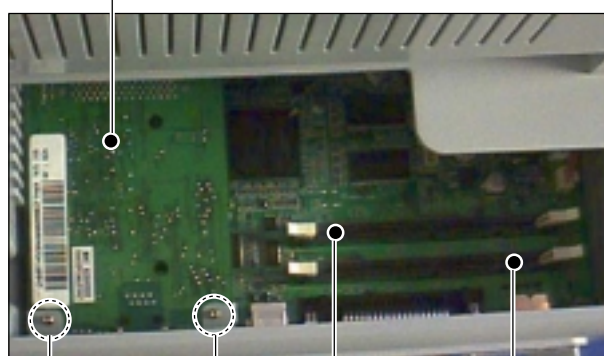
6. Remove seven screw and take out the SMPS Unit.



7. If you only need to remove the optional memory modules or the network card this can be achieved by removing ONLY the Option Cover.



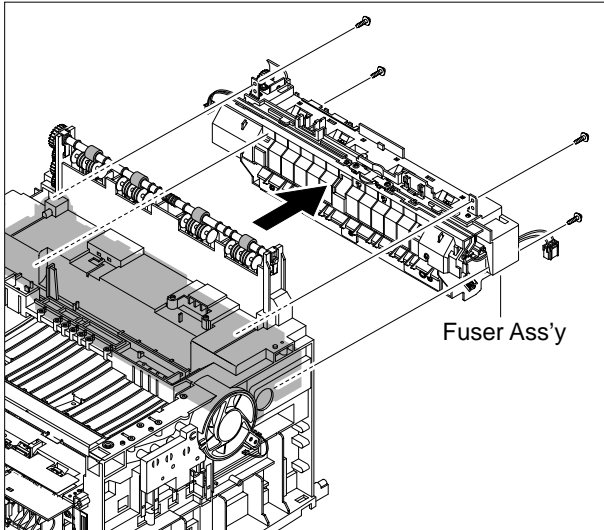
Network Card



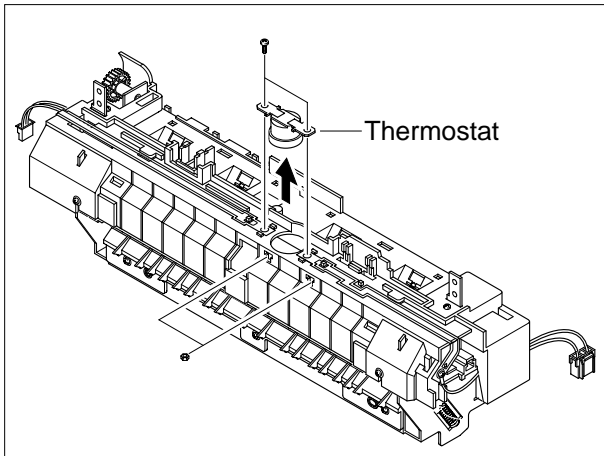
screws SDRAM Socket PS3 Socket

## 5.11 Fuser Ass'y

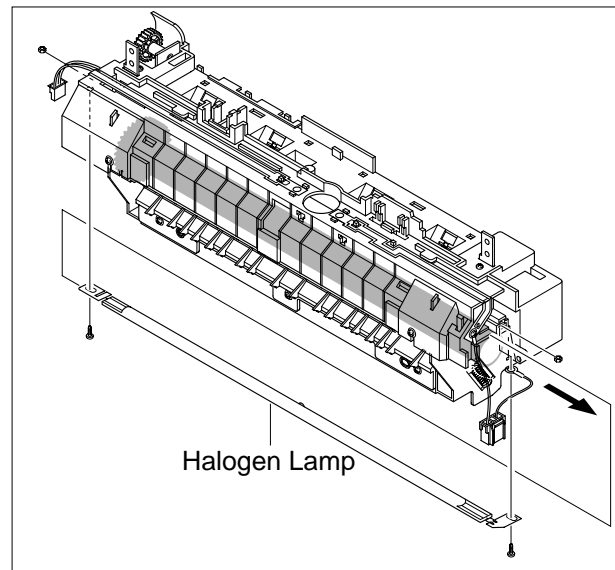
- Before you remove the Fuser Ass'y, you should remove:  
-Rear Cover
- Unplug the four connectors from the Main PBA and SMPS, as shown below. Then remove the four screws securing the Fuser Ass'y and remove it.



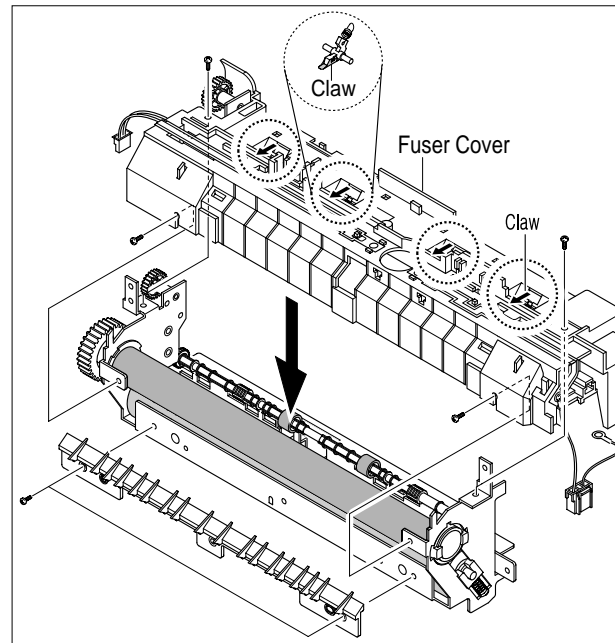
- Remove the two screws securing the Thermostat. Then lift the Thermostat out.



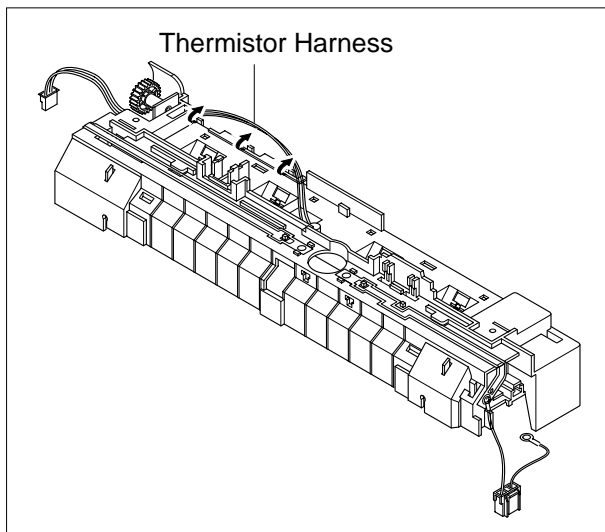
- Remove the two screws securing the Halogen Lamp. Then take out the Halogen Lamp from the Heat Roller, as shown below.



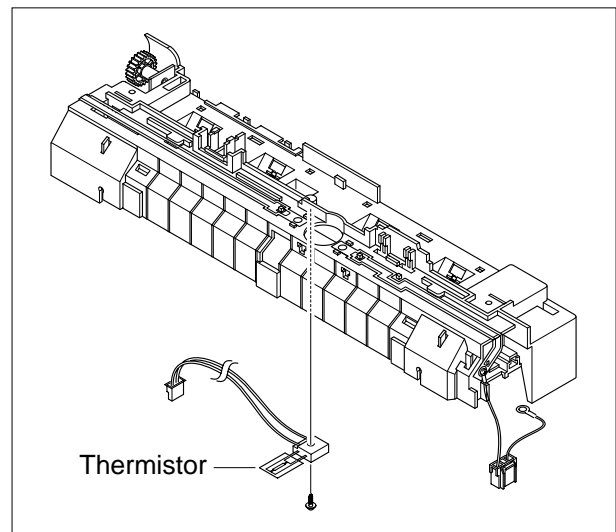
- Remove four screws securing the Fuser Cover and two screws securing the Guide Input to dismantle the fuser unit..



6. Unwrap the Thermister Harness, as shown below.

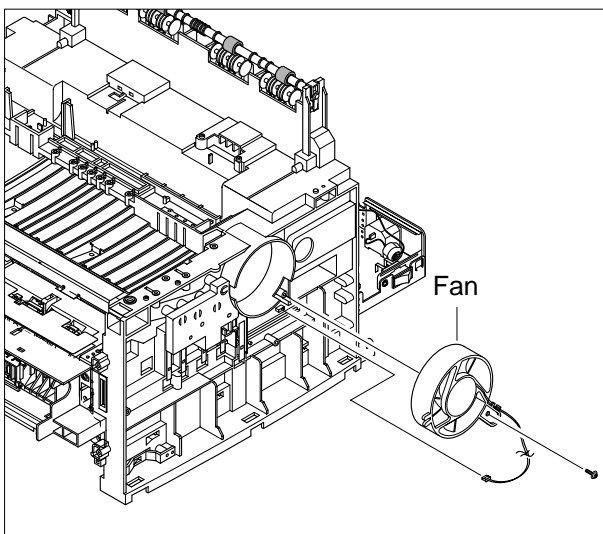


7. Remove the one screws securing the Thermister and remove it, as shown below.



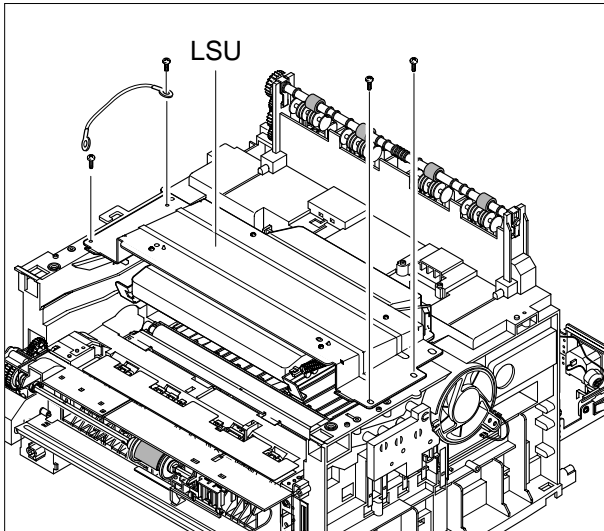
## 5.12 Fan

- Before you remove the Fan, you should remove:
  - Front Cover
  - Rear Cover
  - Side Cover(RH)
  - Top Cover
- Unplug one connector from the SMPS and remove one screw as shown below. Then take out the Fan.

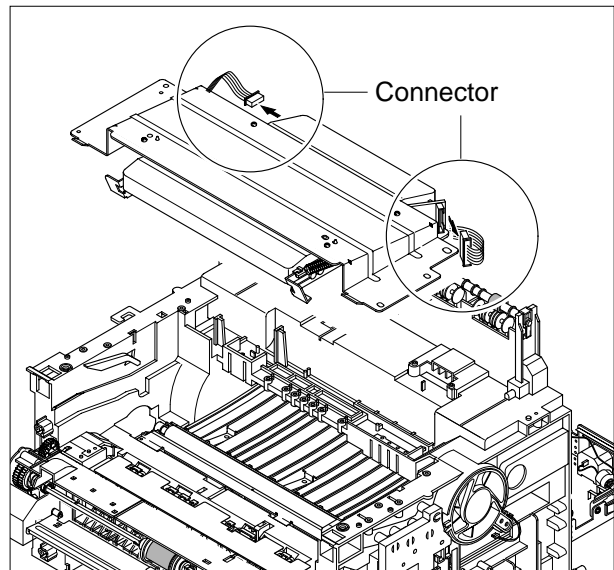


## 5.13 LSU

1. Before you remove the LSU, you should remove:
  - Front Cover
  - Rear Cover
  - Side Cover(RH)
  - Top Cover
2. Remove the four screws securing the LSU and remove it.

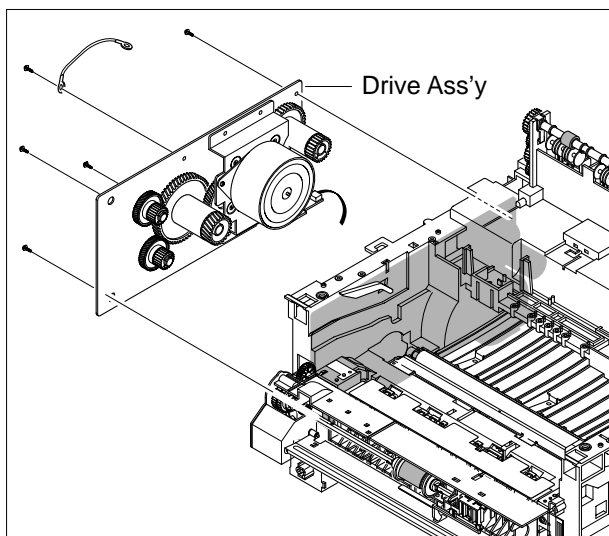


3. Unplug the two connectors From the LSU, as shown below.

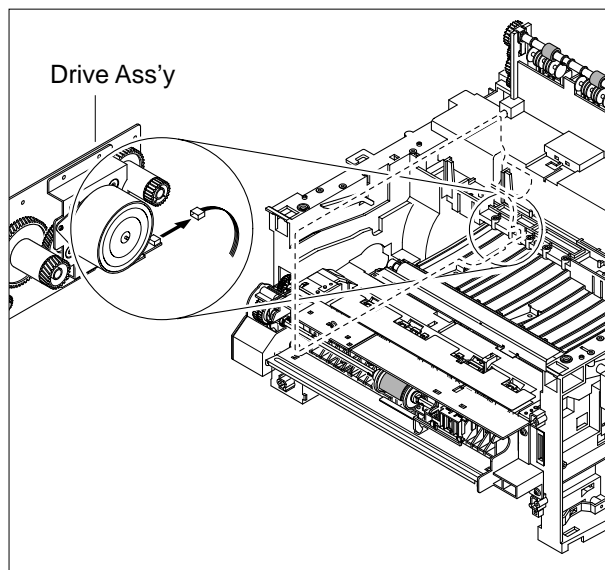


## 5.14 Drive Ass'y

1. Before you remove the Drive Ass'y, you should remove:
  - Front Cover
  - Rear Cover
  - Side Cover(LH)
  - Top Cover
2. Remove six screws 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.



3. Unplug one connector From the Driver Ass'y.



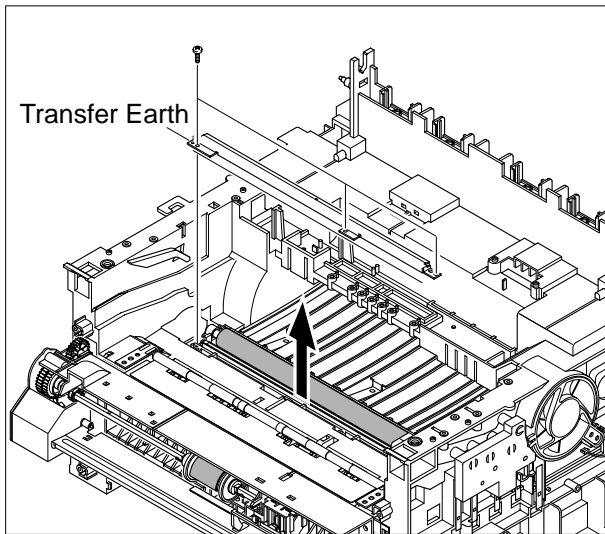


## 5.15 Transfer Ass'y

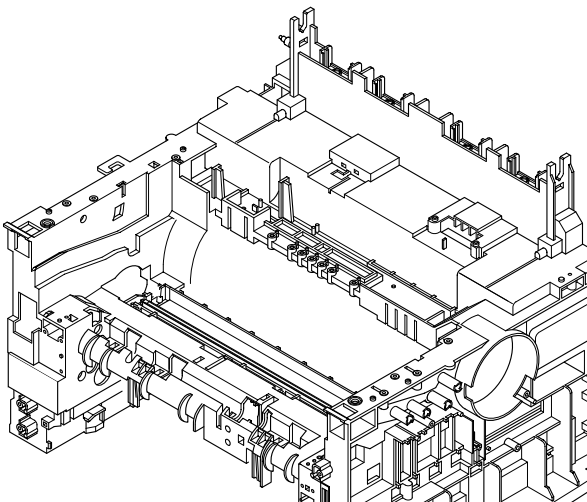
1. Before you remove the Transfer Ass'y, you should remove:

- Front Cover
- Rear Cover
- Middle Cover
- Side Cover(LH, RH)
- Top Cover

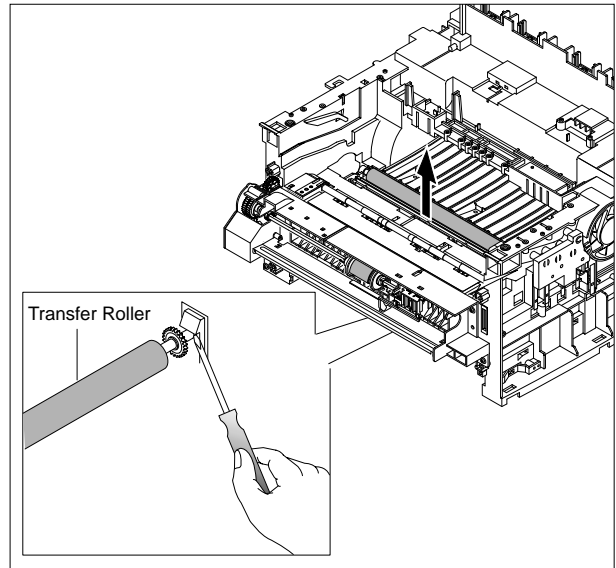
2. Remove three screws and take the Transfer Earth out.



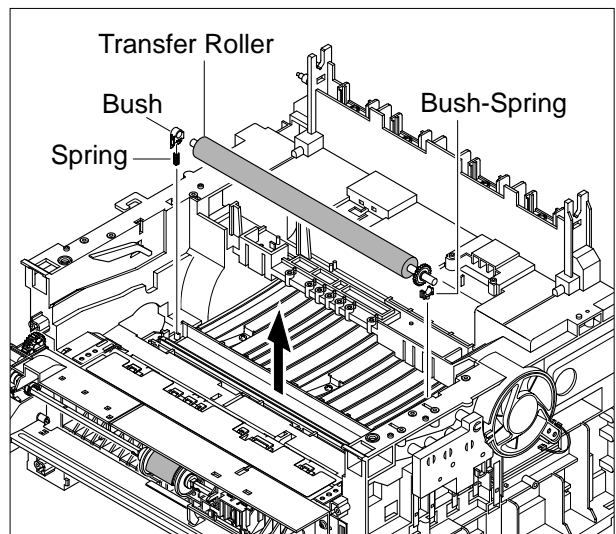
3. Unplug the PTL Holder connector then remove the PTL Holder and PTL Lens, as shown below.



4. Unlatch the Transfer Roller as shown below and remove it.



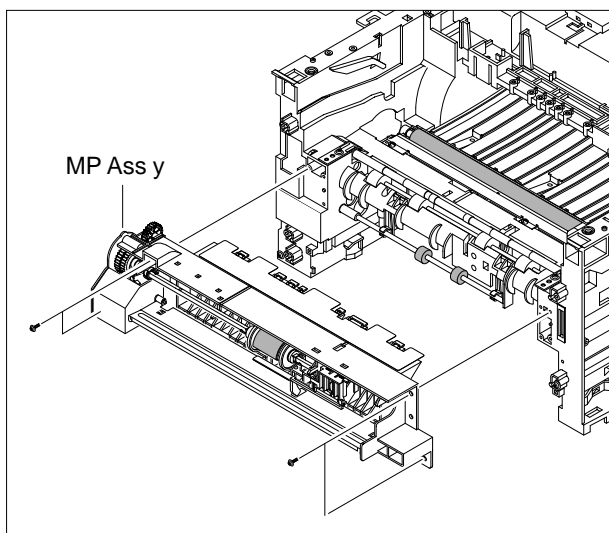
5. Unlatch the two transfer roller vushes and remove them as shown below.



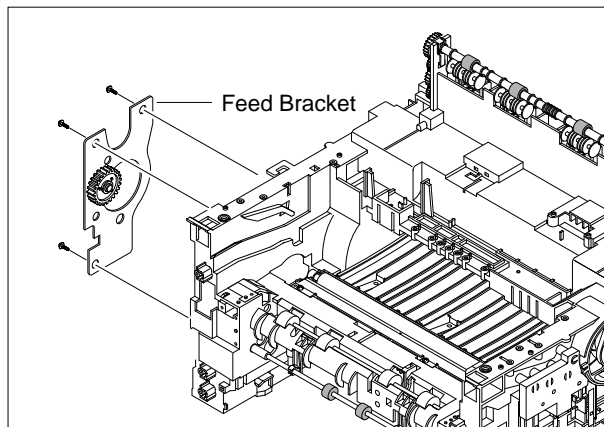


## 5.16 MP Ass'y and Feed Roller

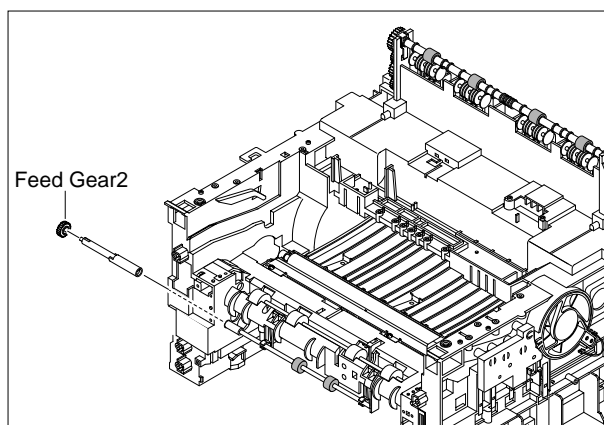
- Before you remove the Feed Ass'y, you should remove:
  - Front Cover
  - Rear Cover
  - Middle Cover
  - Side Cover(LH, RH)
  - Top Cover
- Disconnect the MP Solenoid and MP Sensor harness from the main PBA. Remove the four screws from the MP Ass'y Front and take it out taking care to thread the cables through the frame.
- Remove the four screws from the MP Ass'y and take it out.



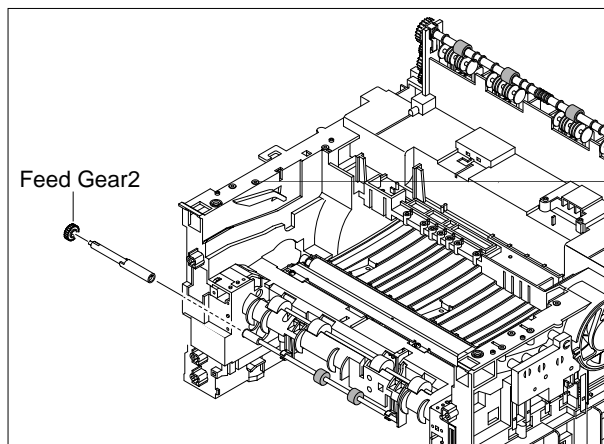
- Remove the two screws from the Guide Paper Spring.



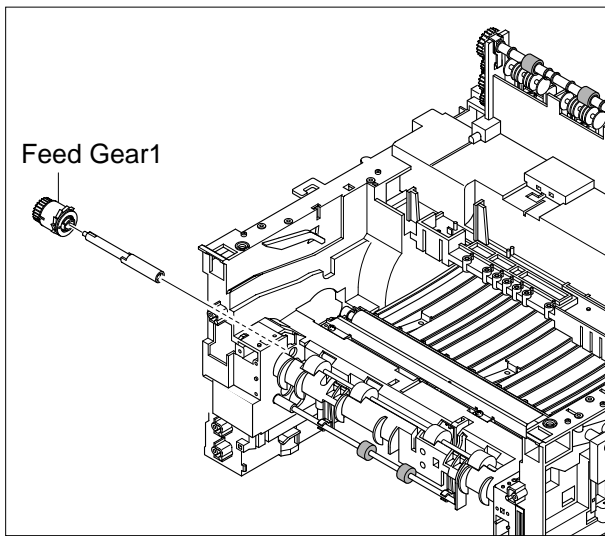
- Remove the three screws from the Feed Bracket and take it out.



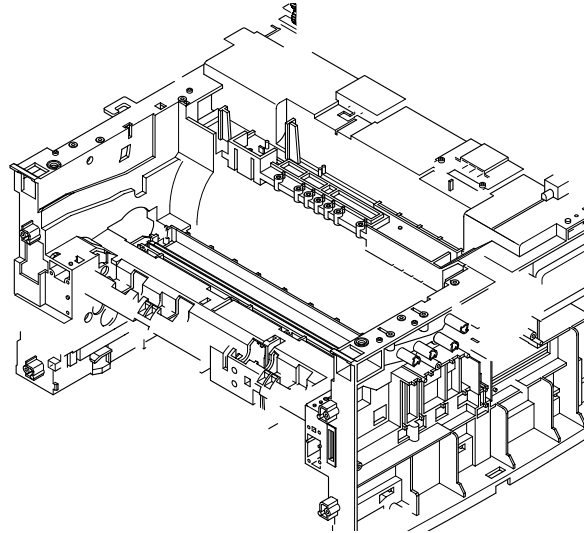
- Remove the Feed Gear2, as shown below.



7. Remove the Feed Gear1, as shown below.



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

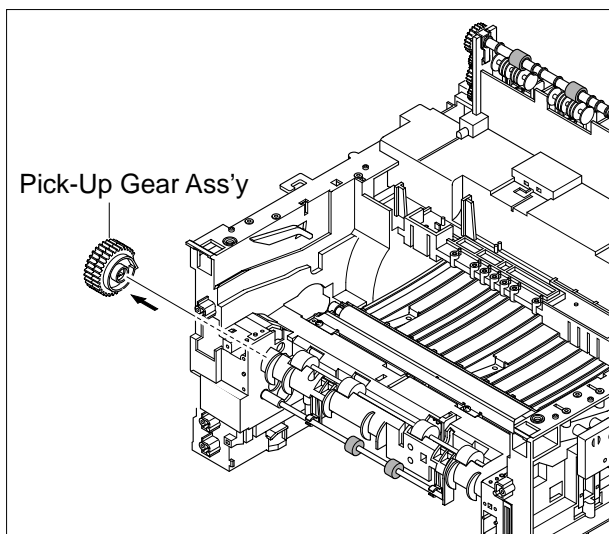


## 5.17 Pick-Up Ass'y & Solenoid

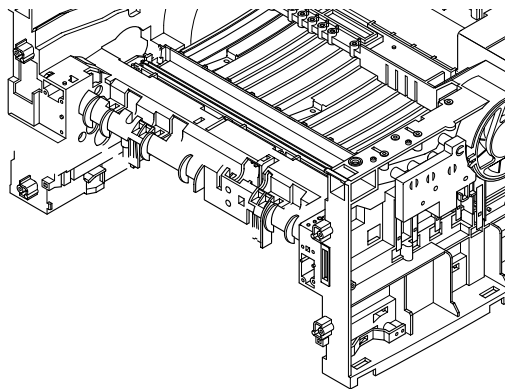
1. Before you remove the Pick-Up Ass'y & Solenoid, you should remove:

- Front Cover
- Rear Cover
- Middle Cover
- Side Cover(LH, RH)
- Top Cover

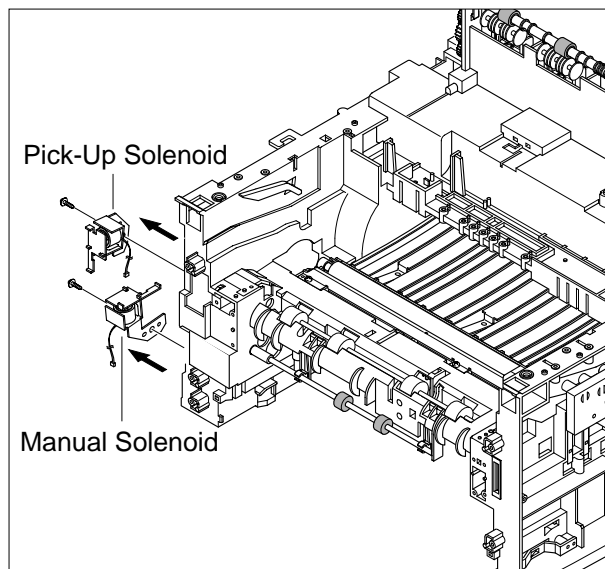
2. Remove the Pick-Up Gear Ass'y as shown below.



3. Remove the Pick-Up Ass'y as shown below.



4. Disconnect the Main Clutch and Regi Clutch harness from the main board. Remove two screws then remove the two solenoids taking care to thread the cables through the frame.

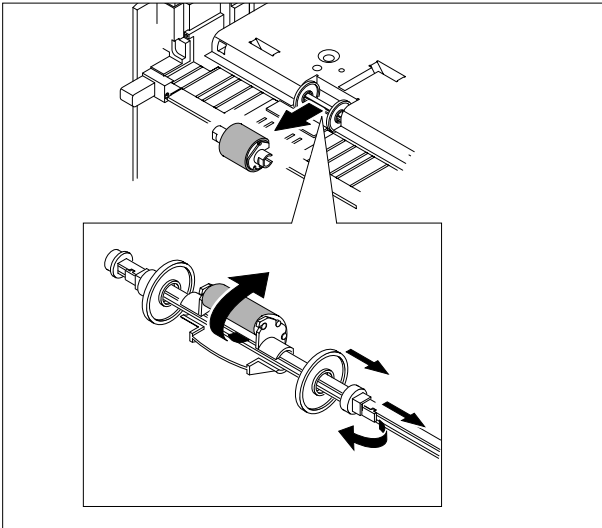


5. Remove the rubber pickup from the Pick-Up Roller, as shown below.

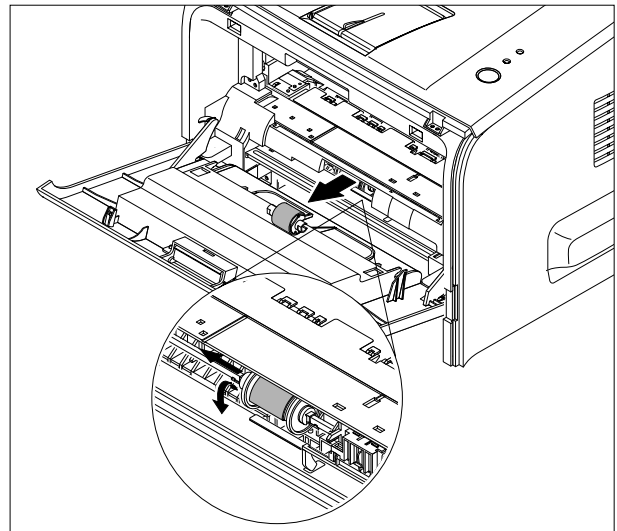
6. It is a simple matter to replace the MP Pickup Roller and the main cassette Pickup Roller without dismantling the set.

In both cases first remove the main paper cassette, toner cartridge and front cover.

- a) In order to replace the main cassette Pickup Roller
- 1) Turn the set upside down
  - 2) Release the white catch and slide the locking piece as far to the side as possible.
  - 3) Slide the white collar as far to the side as possible.
  - 4) Slide the Pickup Roller as far as possible to the side, until it is free from the white collar on the other end.
  - 5) Rotate the Pickup Roller around the drive shaft until it can be removed.



- b) In order to replace the MP Pickup Roller
- 1) Release the white catch and slide the locking piece as far to the side as possible.
  - 2) Slide the white collar as far to the side as possible.
  - 3) Slide the Pickup Roller as far as possible to the side, until it is free from the white collar on the other end.
  - 4) Rotate the Pickup Roller around the drive shaft until it can be removed.



*MEMO*

