

C O N T E N T S

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3 | DISASSEMBLY

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3.1. General Instructions

This chapter provides procedures for removing the major components in the printer. The exploded diagrams in Chapter 5, PARTS CATALOG will also help locating and removing the components.

Before proceeding, make sure printer power is switched off and the power cord is unplugged from the printer. See **Warning** below.

Warning Make sure that AC power is removed and the power cord is unplugged from both the power line and the printer.

3.2. Disassembly procedures

This section provides the procedures for removing the following main parts in the printer.

3.2.1. Removing the process unit

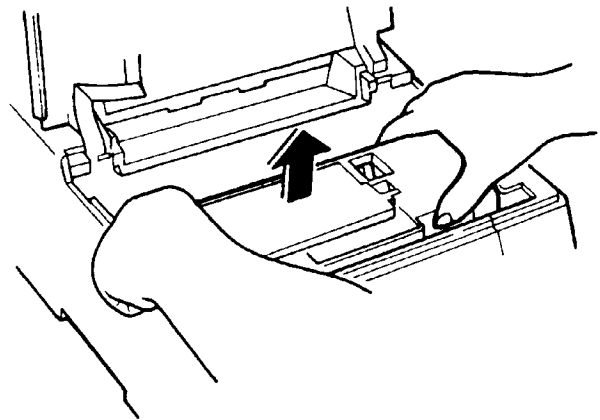
In prior to disassembly, the process unit, the combination of the toner container and the developer unit should be removed first. To remove the process unit, proceed as follows.

1. Open the top lid by pressing the top cover opener button at the printer's right side.
2. Remove the process unit by holding it as shown and simply lifting up above.

Figure 3.1. Removing the process unit

Note Keep the process unit as level as possible.

Note After removing the process unit, seal it in the protective bag and place it on a flat surface. Do not place the process unit in a dusty area. Also do not touch the magnet roller of the developer in the process unit. Do not place floppy disks near the process unit.



3.2.2. Cover

Remove the cover of the unit as instructed below.

Note: Removal of the cover requires a knack which is obtained by exactly following the steps below.

Figure 3.2. Removing harness from the LED head

1. Open the top lid.
2. Remove a ground wire and a flat cable from the LED head as shown in the figure.
3. Remove two screws at the front side of the cover.
4. Place the left and right center fingers at the inside back of the cover's front side.
5. Place the left and right thumb fingers on the printer's control panel.
6. Place the right hand index finger on the top lid opener button to keep pressing the button.

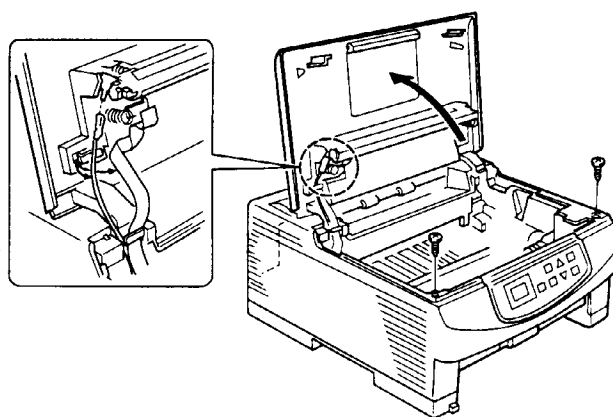
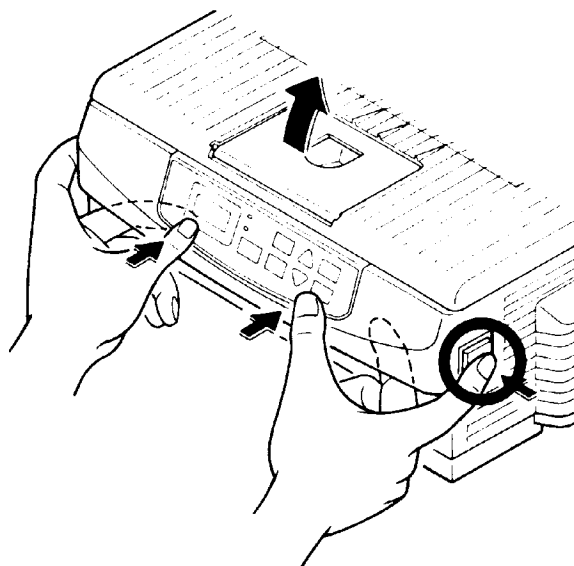


Figure 3.3. Removing the cover

7. While pushing on the control panel with the thumbs, give the cover a lifting force with the middle fingers. The cover should then be half way freed from the printer.
8. Remove the back half of the cover. Remove the entire cover off from the printer.

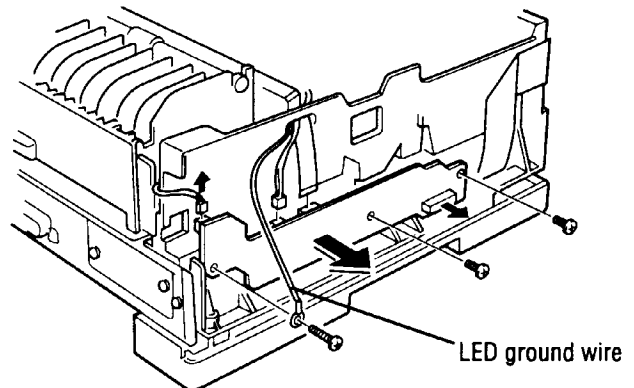


3.2.3. Removing the connect board

To remove the connect board at the printer's left side:

1. Remove three screws securing the board to the chassis. Two are self-tapping screws; one is a machine screw which also secures the LED ground wire.

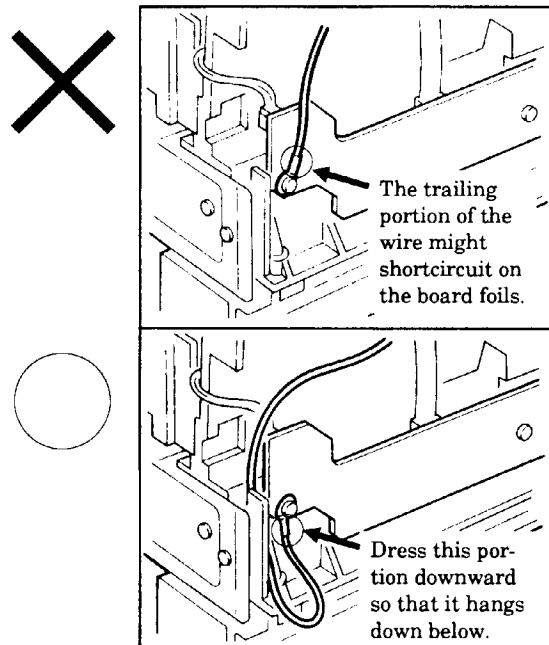
Figure 3.4. Removing Connect board



2. Remove the connector. Then, remove the board.

Caution! When connecting the ground wire back to the connect board, be sure to dress the cable end lug away from the soldering path on the board, namely, align the wire vertically as shown below.

Figure 3.5. Caution on the ground wire



3.2.4. Removing the driving assembly

The driving assembly includes two motors and gears for driving drum, developer, fuser, etc.
To remove the driving assembly:

1. Remove four screws.
2. Detach two cables from the board located beneath the chassis frame.

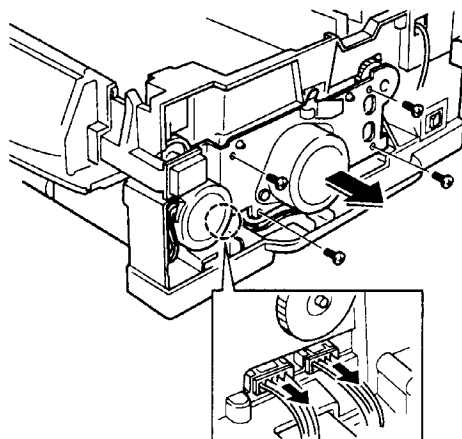


Figure 3.6. Removing the driving assembly

3.2.5. Removing the fuser

To remove the fuser, the face-down assembly must be removed first.

1. To remove the face-down assembly:
Remove two screws that are securing the face-down assembly to the fuser unit.
2. To remove the fuser unit, remove two connectors, then two screws at each fuser end.

Figure 3.7. Removing the fuser unit

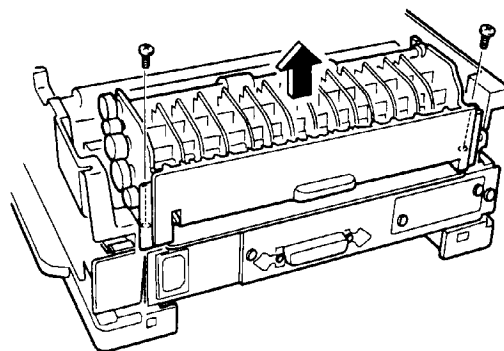
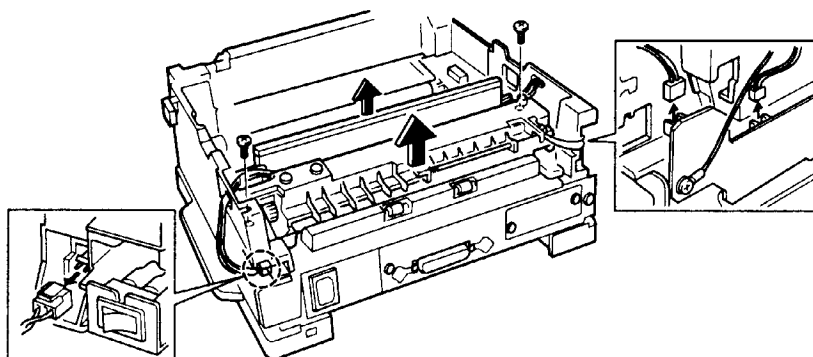


Figure 3.8. Removing the fuser unit

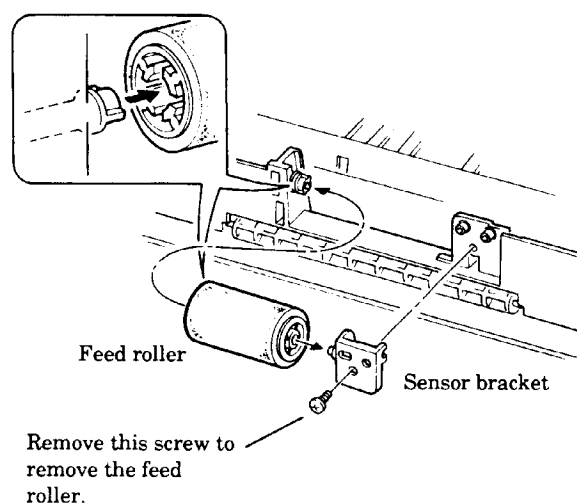


3.2.6. Removing the paper feed roller

To remove the paper feed roller, remove the sensor bracket by removing one screw.

Figure 3.9. Removing the paper feed roller

Note To reset the (new) paper feed roller back in place, align the cross-split end of the roller with the holder on the right that comes in mesh with the supporting rod. See Figure 3.9. Then, reset the sensor bracket by the screw.



3.2.7. Removing the bottom cover

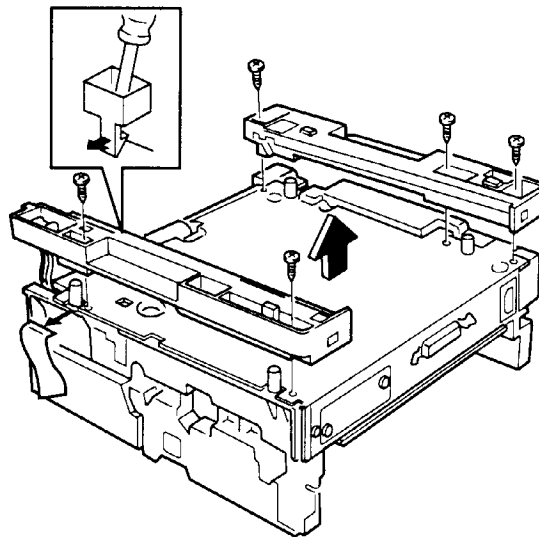
The printer's bottom mounts the power supply board, engine board, AC power switch, AC receptacle, etc. To gain access to these parts, the pedestal and the bottom cover must be detached from the printer.

Note The main controller board and the engine ROM are simply detachable without following the procedures below.

Caution This procedure requires the printer turned upside-down. Be sure to remove the process unit before proceeding.

1. Remove the process unit. See page 3—4.
2. Turn the printer upside down on a clean, flat surface.
3. Remove five screws that are securing the pedestals to the controller box bottom.

Figure 3.10. Removing the pedestals



4. The left side pedestal is latched to the controller box bottom by a notch. To remove the left side pedestal, set the retaining protrusion aside by using a screwdriver as also shown above.
5. Remove the bottom cover. Then the parts behind the cover becomes accessible.

Note: The terminals for feeding the bias voltage for the process unit tend to be forgotten if they were removed from the holding slots in the bottom of the printer. Be sure to reinstall the terminals as shown below before the controller box is reclosed.

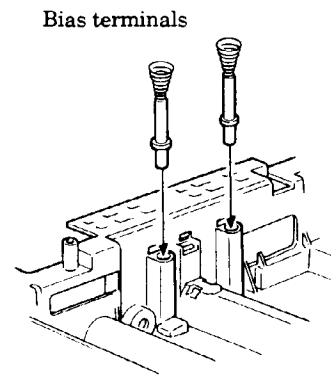
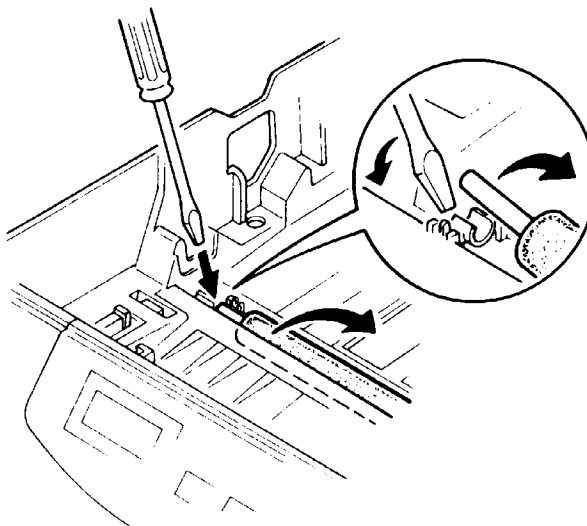


Figure 3.11. Reinstalling the bias terminals

3.2.8. Removing the transfer roller

To remove the transfer roller, use a small flat-blade screwdriver to lift the left side metal part end of the transfer roller first. Then lift the gear side up to remove the transfer roller.

Figure 3.12. Removing the transfer roller



Note: The transfer roller surface is very fragile. Avoid making the roller in contact with other hard objects. Also avoid giving oil onto the roller surface, by holding it by the hand, etc., as it will severely deteriorate the printing quality.

3.2.9. Removing the transfer roller holders

To remove the transfer roller holder, for replacement, etc., remove the bottom cover as instructed on page 3—9.

Note: The left and right hand holders are not identical parts. Be sure to use the white holder for the left side of the transfer roller (plain shaft side); and use the black holder for the right side of the roller (gear side).

To remove the holder, pull its top from the front side of the chassis while squeezing the legs at the bottom side. See figure to the right.

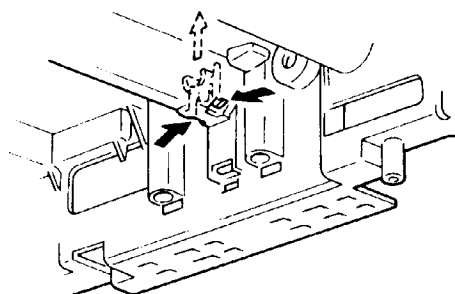
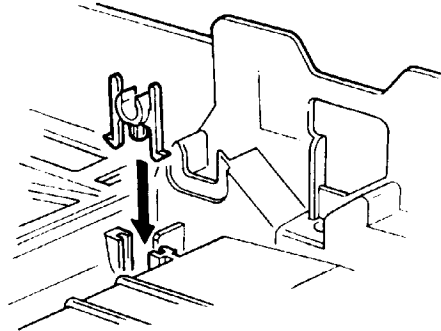


Figure 3.13. Removing the transfer roller holder

To insert a new holder, insert it place until the legs snap in as shown.

Figure 3.15. Inserting the transfer roller holder



3.2.10. Removing the LED head

To remove the LED head, first remove the wires to the LED head. Then release a catch at each end of the LED head which hold the LED head with the top cover bottom as shown.

Caution: The LED head is a very sensitive part to shocks and vibrations. While it is being removed, take care to store the LED head in a safe location.

Figure 3.14. Removing the LED head

