

C O N T E N T S

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5.1. General Instructions

This chapter provides procedures for removing the major components in the printer. The exploded diagrams in 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.

Note Unless otherwise noted below, most screws used are of 3×8 millimeters .

5.2. Disassembly

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

5.2.1. Removing the toner container and the developer unit

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

1. Open the top cover by sliding the top cover release lever.

Figure 5.1. Removing the toner container

2. Remove the toner container by pressing the toner container release lever.

Note Keep the toner container as level as possible.

3. See Figure 5.2. Press the developer release button (1). Remove the developer (2) out the printer.

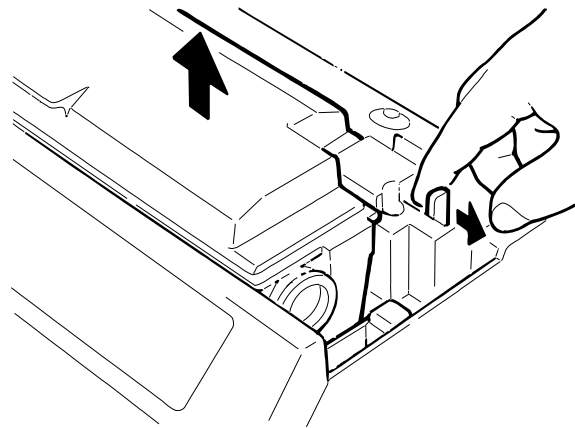
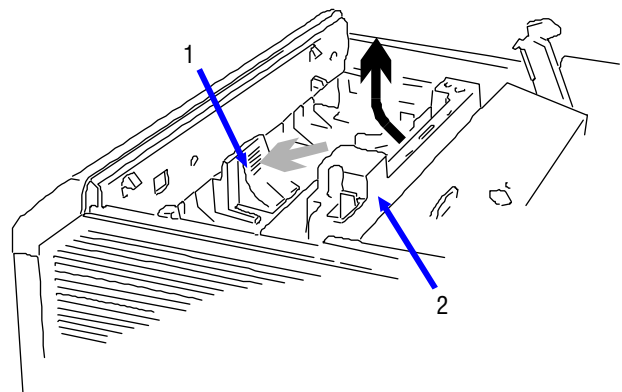


Figure 5.2. Removing the developer unit

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



5.2.2. Left and right side covers

1. Remove three screws each on the left and right side covers (1, 2). See Figure 5.3.
2. Open the top cover (3).
3. Press the notch (4, 5) on each of the side covers from inside the printer as shown in Figure 5.4. below.

The side covers can then be removed.

Figure 5.3. Removing Side Covers—1

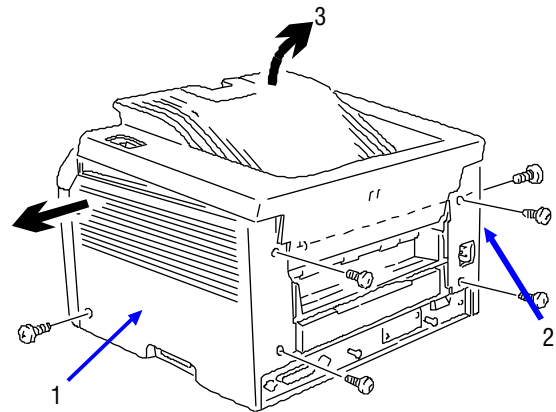
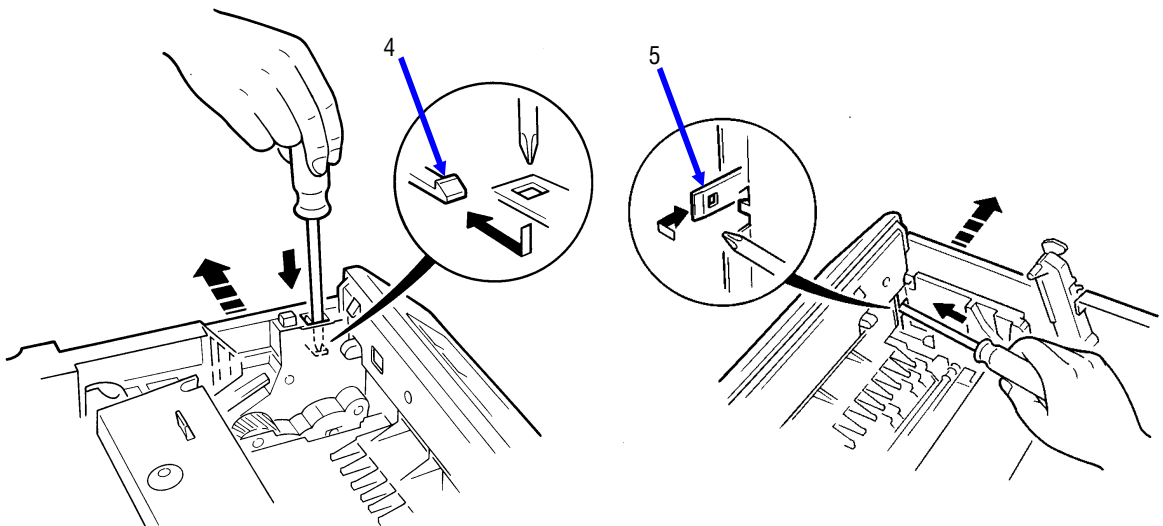


Figure 5.4. Removing Side Covers—2



5.2.3. Removing the AC board

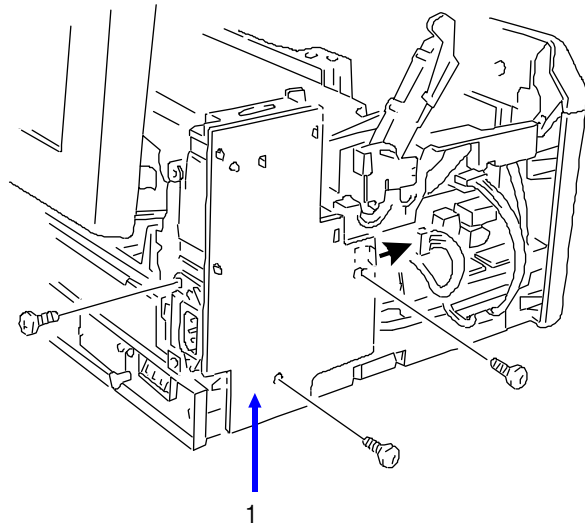
The AC board accepts AC power at the power inlet and filters it before feeding to the DC power supply board in the controller box at the printer's bottom.

The AC board must be removed before removing the top cover, fuser unit, and the controller box.

To remove the AC board:

1. Remove two self-tapping screws securing the AC board (1) to the chassis.
2. Remove the board by pulling the bottom (connector behind) gently outward. Remove connectors (drum heater, etc.) from the board.

Figure 5.5. Removing the AC board

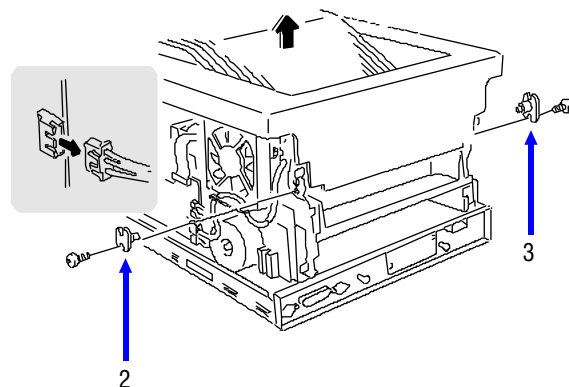


5.2.4. Removing the top cover

Note The AC board must first be removed. See section 5.2.3.

1. Remove one screw to remove the stopper (2, 3) which retain the top cover at each side to the fuser unit.
2. Detach the plug from the top cover as necessary.

Figure 5.6. Removing the Top Cover



Note In reassembly, be sure to clamp the wires from the top cover to the clamp tabs located above the main motor.

5.2.5. Removing the fuser

To remove the fuser, the left and right side covers and the AC board must be removed first. It is also recommended that the top cover is removed from the fuser unit.

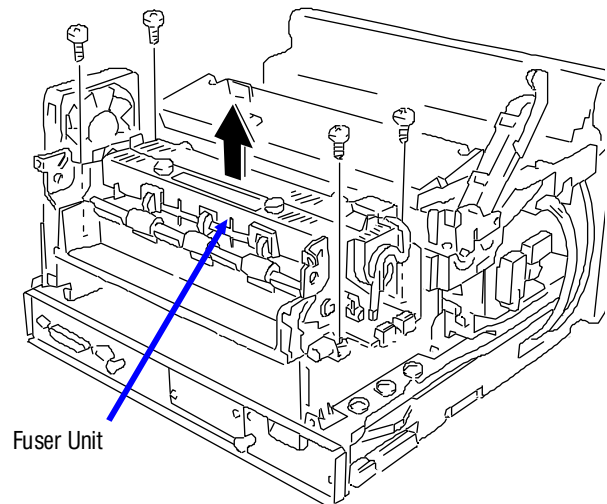
WARNING: The fuser is hot immediately after the printer is used.

To remove the fuser:

See Figure 5.7. Remove four screws at four corners of the fuser. While removing, use care not to damage other parts.

Note: The right side of the fuser (top picture) is fixed with 3×6 mm screws which are shorter than other screws used. Be sure to use the same screws when replacing the fuser back in place.

Figure 5.7. Removing the Fuser

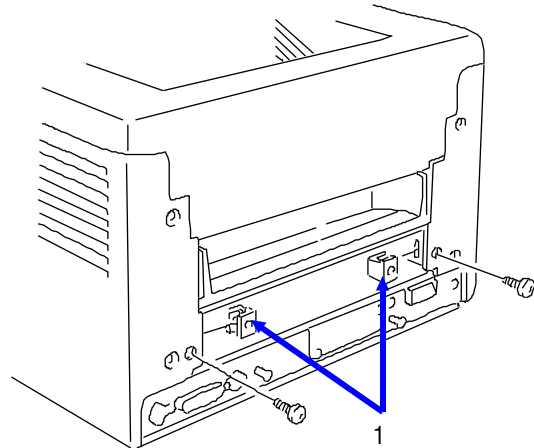


5.2.6. Removing the paper feed unit

Being of drawer type, the paper feed unit can be removed from the printer by removing the stoppers at the back of the printer.

The covers, etc., may not be removed before attempting to remove the paper feed unit.

Figure 5.9. Removing the Paper Feed Unit



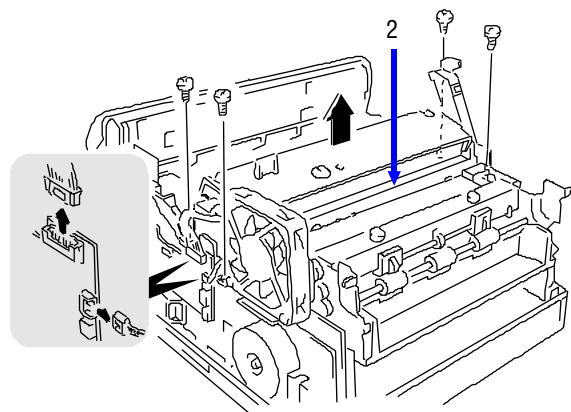
1. Push in the paper feed unit fully in the printer (normal position).
2. At the back of the printer, remove the two screws, through the access holes, as shown in Figure 5.9. Then remove the stoppers (1) from the feed unit.
3. Pull out the paper feed unit out slowly from the printer's front side.

5.2.7. Removing the drum unit

To remove the drum, the left and right side covers must be removed first.

1. Remove two screws at the left side of the drum unit (2). (Screws are also used to secure the ground wire.) Lift the drum unit gently up.
2. Remove two screws at the right side of the drum unit. Remove the bias cable from the drum unit. (See figure on next page.)

Figure 5.8. Removing the Drum Unit—1



NOTE: The drum unit must be stored in a safe, clean place.

Reassembly: Be sure to simultaneously secure the ground wires with the two screws.

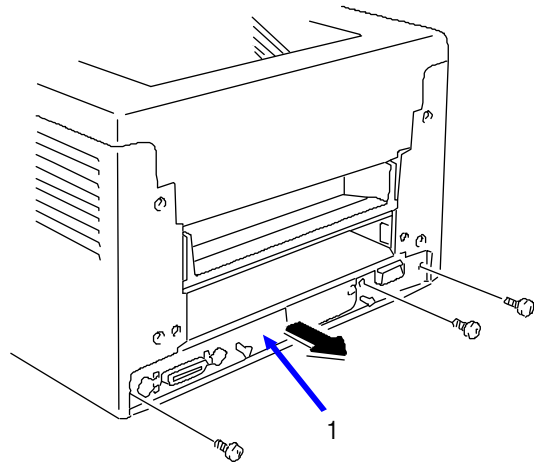
5.2.8. Removing the main logic controller board

Warning: The printer must be switched off before attempting to remove the board.

5.10. Removing the Main Logic Board

The main logic controller board can be removed at the back of the printer without removing the controller box.

1. Remove 3 screws at the back panel (1, on which the main logic board is mounted) of the printer.
2. Pull out the back panel (1) slowly.



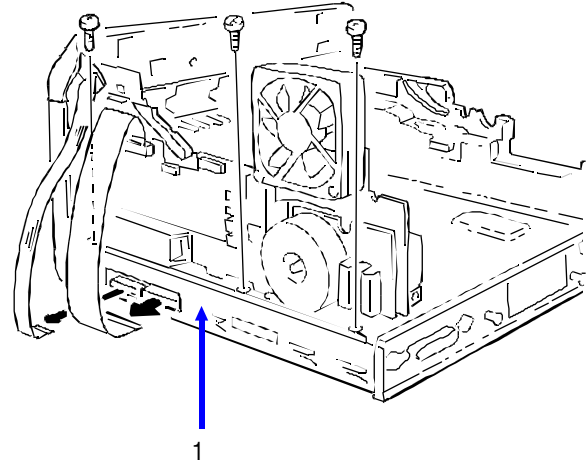
5.2.9. Removing the controller box (Bottom)

Note: This procedure may not be followed if only the main logic board is to be removed (See section 5.2.8.).

Figure 5.11. Removing the Controller Box

The controller box (1), located at the bottom of the printer, includes the main logic controller board, engine board, power supply, etc. Among them, the main logic controller board can be easily removed from the printer back by following the procedures in section 5.2.8.

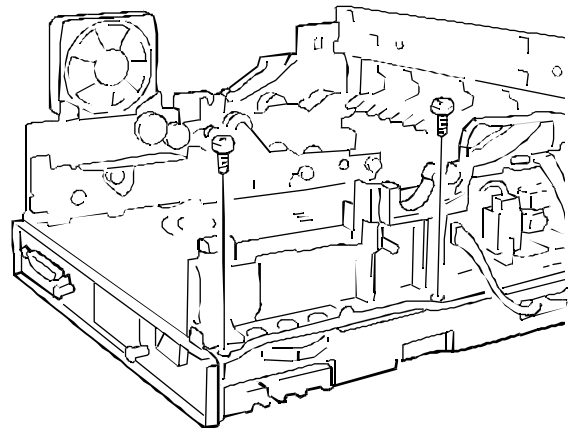
To remove the controller box (including the main logic board), the left and right side covers, front cover, drum unit, and the AC board must be removed first.



1. Remove 3 screws securing the controller box to the printer's chassis on the right side of the printer. See Figure 3.12.

Figure 5.12. Removing the Controller Box

2. Remove the push rod for the power switch on the left side of the printer. Remove 3 screws on the left side of the printer.
3. Hold the upper half of the printer and gently lift it to separate from the controller box.



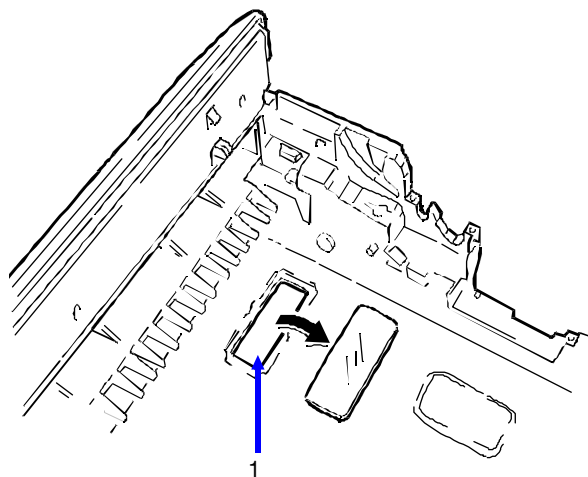
5.2.10. Accessing to Engine ROM

For the version-up purpose, the engine ROM can be accessed for replacement in the manner described below.

1. Remove the feed unit.
2. Remove the developer unit.
3. Remove the black protective plate. The engine ROM slot (1) is accessed as shown.

Note: To replace the system ROMs, refer to section 5.2.8. and remove the main logic controller board.

Figure 5.13. Engine ROM Access Slot



5.2.11. Removing the main charger unit

The main charger unit (1) can be removed from the drum unit (2) without needing a tool.

Figure 5.14. Removing the Main Charger Unit

