

Chapter Five D I S A S S E M B L Y

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General Instructions

This chapter provides procedures for removal and replacement of field replacement components. For other components not shown in this chapter, the diagrams in the *Parts Catalog* attached with this manual will help locate the component.

For replacement of a component, use the reverse of the removal procedures explained in this chapter.

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



Warning—To avoid injury to human bodies, make sure that AC power is removed and the power cord is unplugged from both the power line and the printer.

Screws/hardware

Screws and hardware used in the printer are listed in the beginning section of the *Parts catalog*. Symbol numbers also given in the list for these screws are referred to in the disassembling instructions in the following pages.



Caution—To secure a self-tapping screws, align it with the thread carefully. First turn it counterclockwise, then slowly clockwise. Do not over-tighten. In case the selftapped thread is damaged, the affected part must be replaced with a new part.

Before starting disassembly



Warning—Before proceeding, unplug the power cord from the printer and the power supply.

Warning—Never attempt to operate the printer with a component removed.

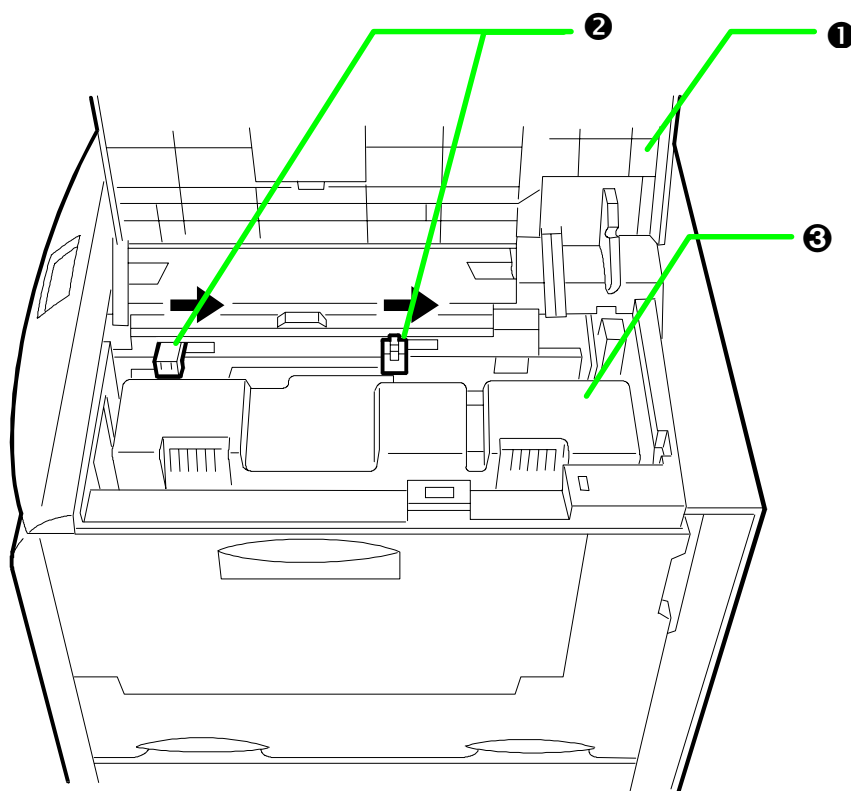
Caution—The printer uses electrostatic-sensitive parts inside (on boards, laser scanner, etc.). Provide an antistatic (discharging) device, such as a wrist strap, that can effectively discharge your body before touching boards, laser scanner, etc.

Disassembly

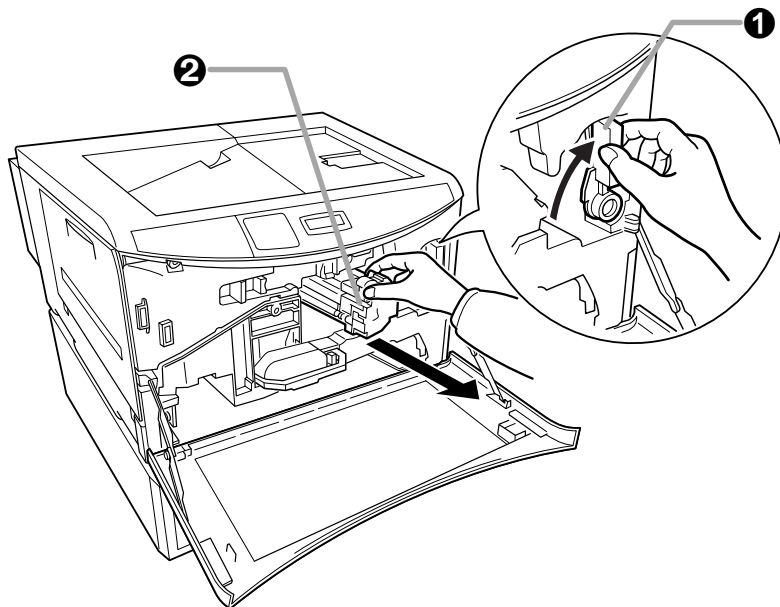
Developer unit

First, the toner container must be removed.

Open the top cover. The toner container ❶ must be removed first: Pull the toner container release lever ❷ as below. Pull the toner container ❸ slowly up, keeping it as level as possible.



Open the front cover. Locate the developer unit release lever ❶ and turn it clockwise to the upper position. Grasp the developer's front end as shown below and slowly draw the developer ❷ out from the printer.

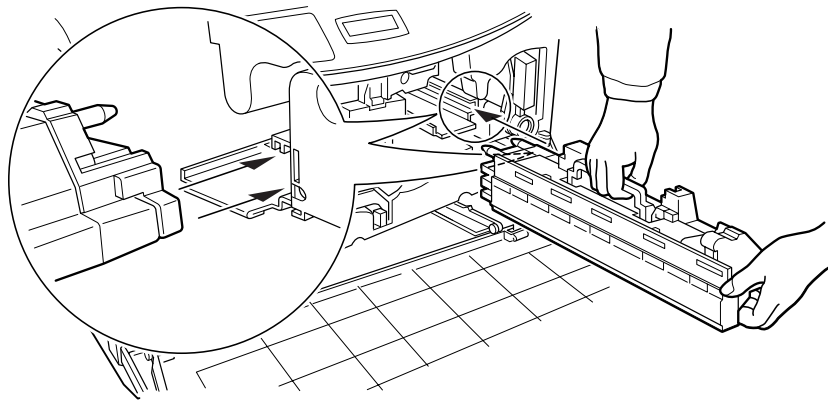


Note—After removing the developer, seal it in the protective bag and place it on a flat surface. Do not place the developer in a dusty area.

Note—Do not place floppy disks near the developer.

REPLACING THE DEVELOPER UNIT

To replace the developer unit into the printer, be sure to align the guides and rails on the drum unit with each other. Do not force to slide the drum unit in unless they are properly aligned with each other.



When the developer unit has been fully seated, remove the protective cover.



Caution—Do not rush the developer unit into the printer. It may cause damaging the developer unit connector and an uneven toner distribution inside the developer unit which may result in a printing problem.

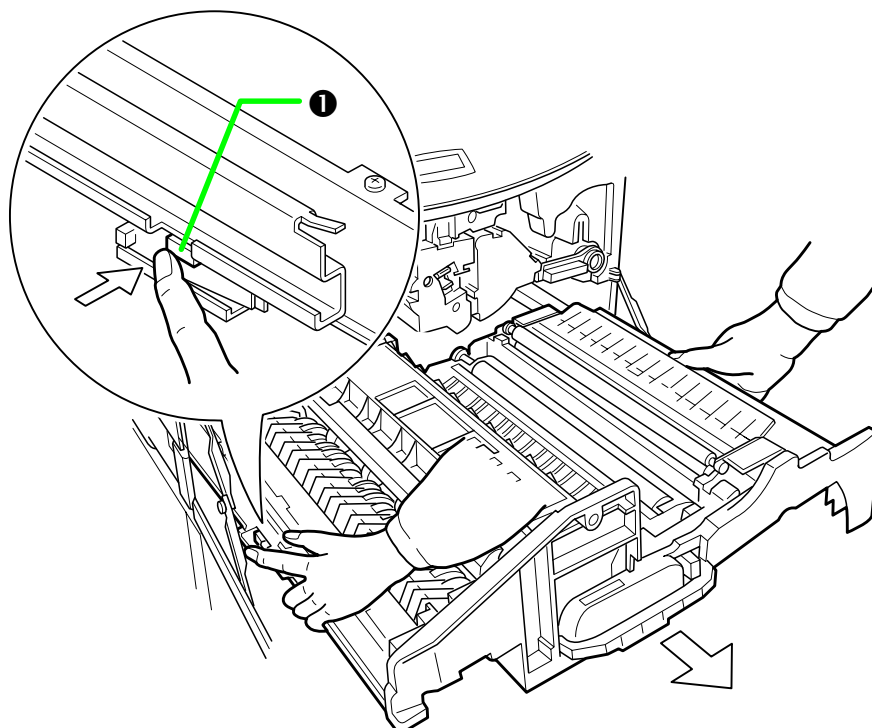
Removing the paper feed unit

The paper feed unit can be removed from the printer without using a tool.



Note—If duplexer DU-30 is installed in the printer, uninstall it before proceeding.

While holding and pushing the locking tab ❶ at the left side of the paper feed unit, draw the paper feed unit all the way out.



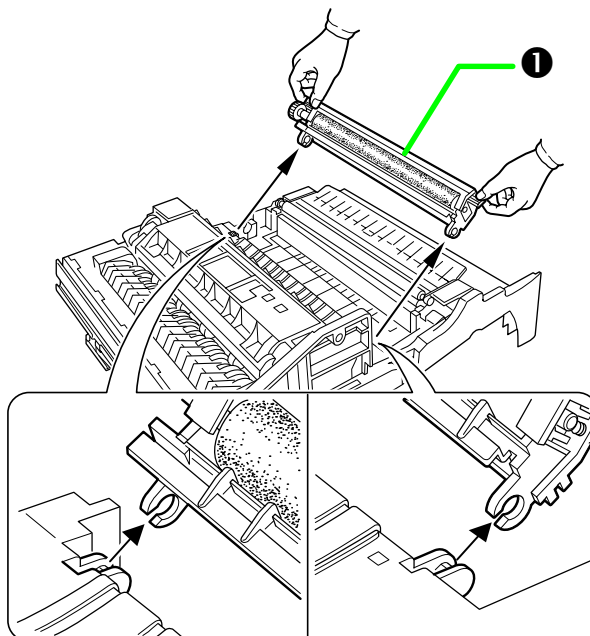
Removing the transfer roller unit

Before removing the transfer roller unit, remove the paper feed unit out of the printer. Then, the transfer roller comes out without needing a tool.



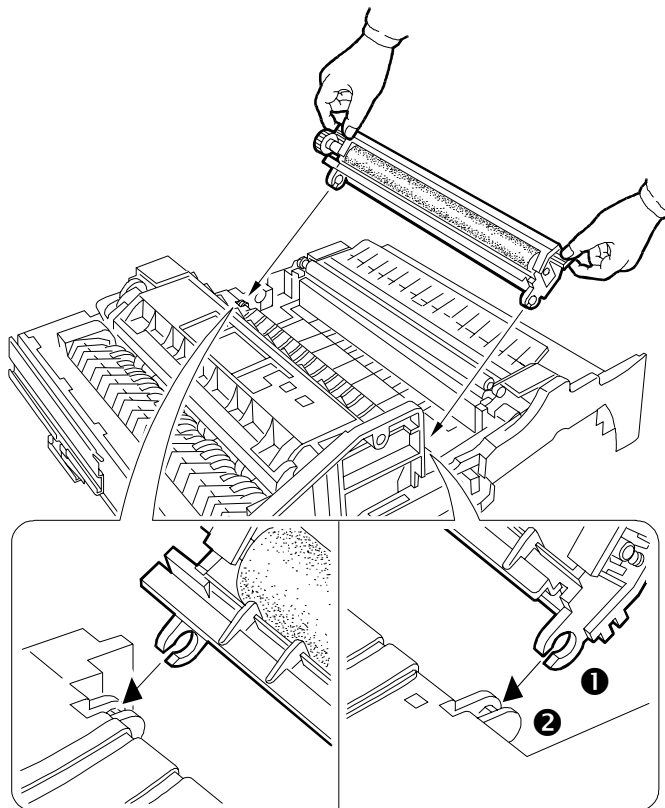
Caution—Do not touch the transfer roller (sponge) surface. Oil and dust (particles of paper, etc.) on the transfer roller can significantly deteriorate the print quality (white spots, etc.).

The transfer roller unit ❶ is held in place by two joints at both ends. To remove the transfer roller unit: Hold the tab at both left and right sides of the transfer roller unit first. When removing, tilt the transfer roller unit upward so that the joints are aligned to free the transfer roller unit.



INSTALLING THE TRANSFER ROLLER UNIT

To install the (new) transfer roller unit, align the mounting holes ❶ of the transfer roller unit with the joints ❷ of the paper feed unit.



CLEANING THE TRANSFER ROLLER UNIT

To clean the transfer roller, remove the transfer roller unit out from the feed unit as shown on page 5-9. Use a vacuum cleaner, moving nozzle along the roller, but do not let the nozzle directly touch on the roller, while rotating the transfer roller by the gear. Thoroughly clean the entire surface of the roller.

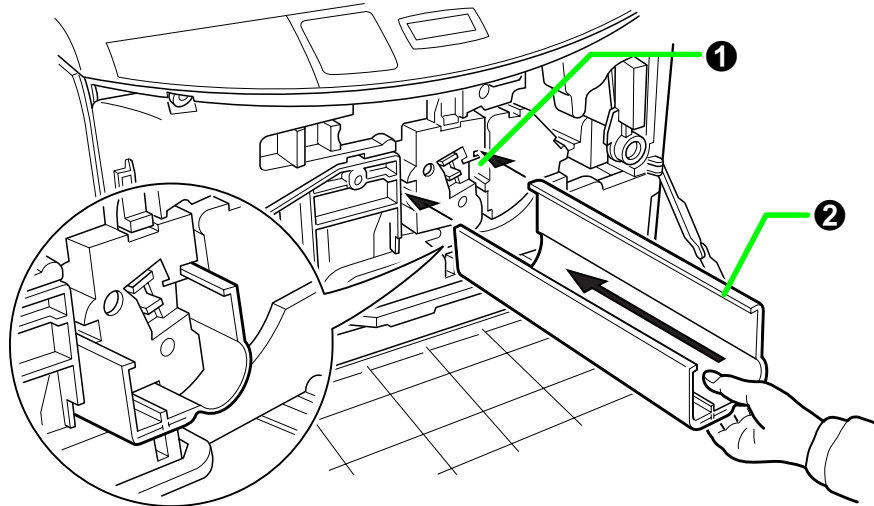
Removing the drum unit



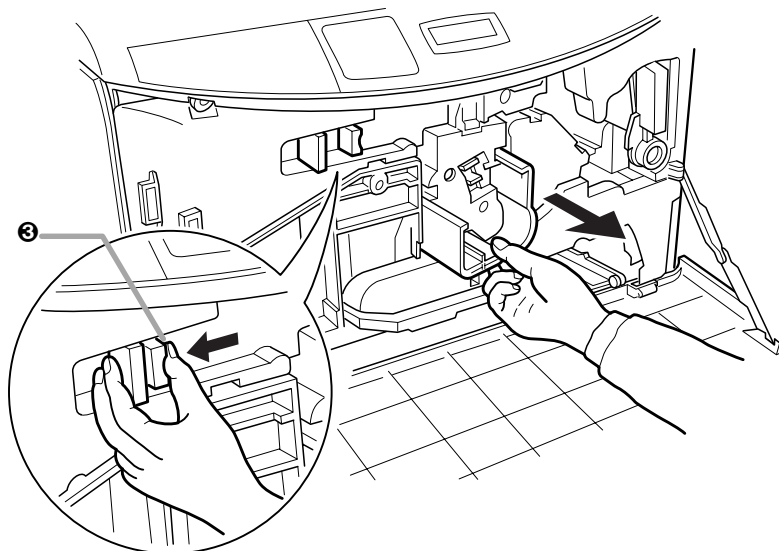
Caution—Removing or reinstalling the drum unit requires the drum protective cover supplied with the new drum kit package. Do not forcibly attempt to remove the drum without following the procedures provided below, using the drum protective cover.

Caution—Store the drum unit in a clear, clean place, not exposed to a strong light source. Seal it in a protective bag. Avoid bump the drum surface onto hard objects.

To remove the drum unit ❶, first insert the drum unit protective cover ❷ as shown below. This unlatches the drum unit for removal. Be sure to install the protective cover firmly in.

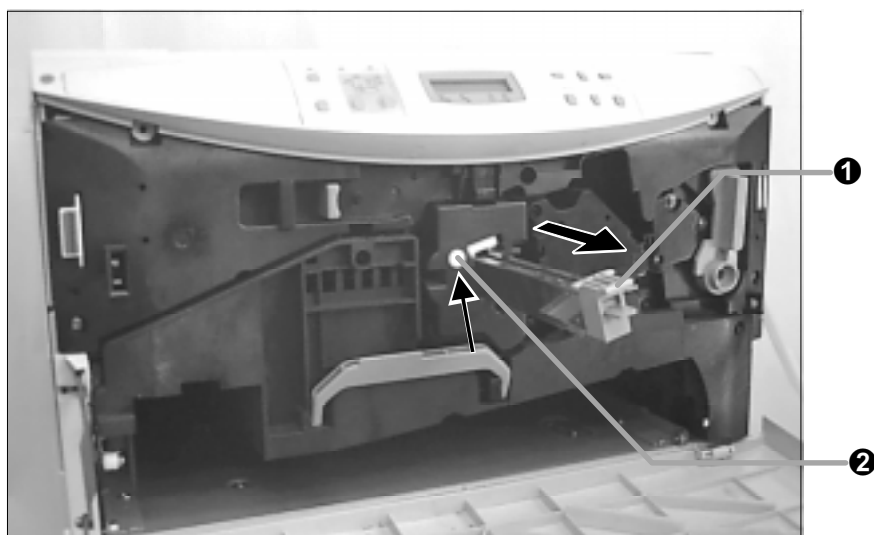


While pressing the drum release lever ③ at the left side of the printer, as shown below, pull the drum unit all the way out. It should come off with the protective cover. When the drum unit is halfway out, hold the handle at the top of the drum unit.



Main charger unit

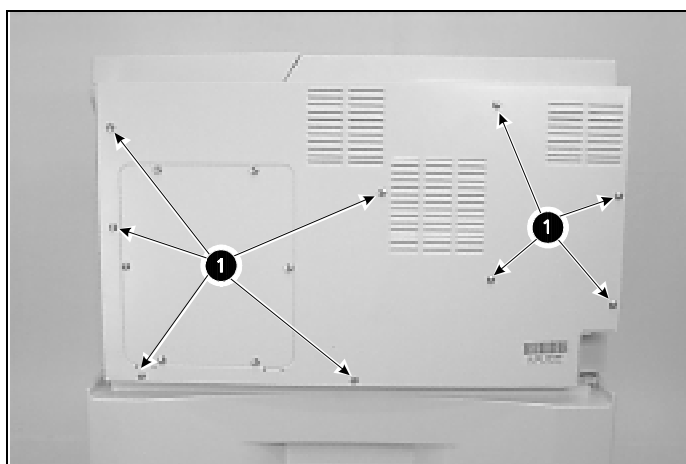
Pull the main charger ❶ until it stops. While pushing the (white) locking button ❷ the printer, pull the main charger unit all the way out.



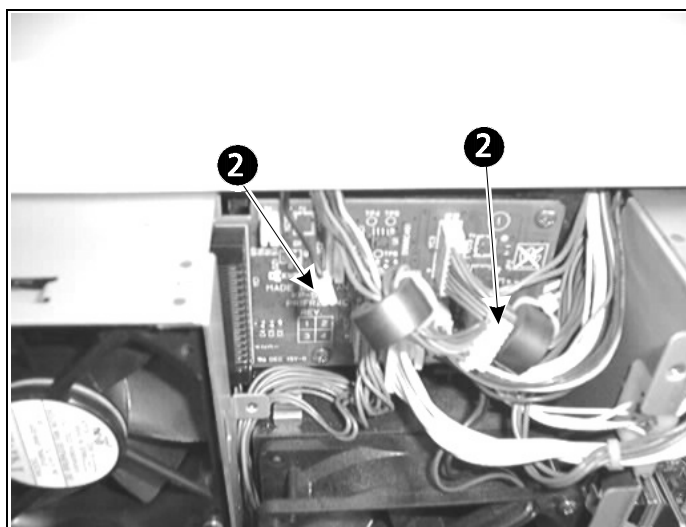
The main charger unit is technically explained in chapter 4, *Operation*.

Removing the controller cover

Remove the controller cover by removing the screws ❶ below.



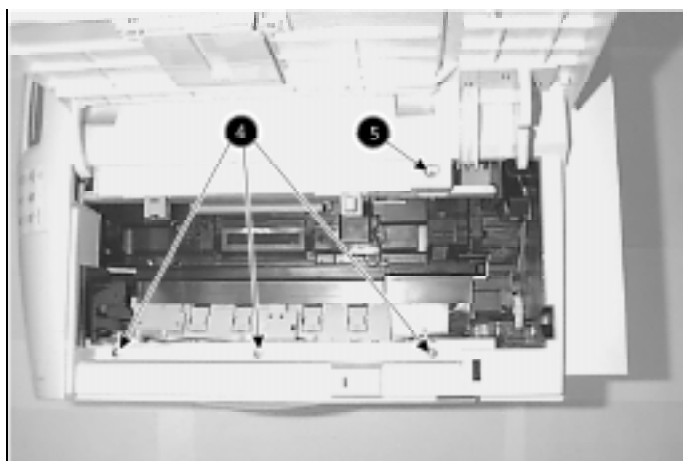
Disconnect the two connectors ❷ on CONN1 board at the back.



Open the front cover and remove the screws ❸ below.

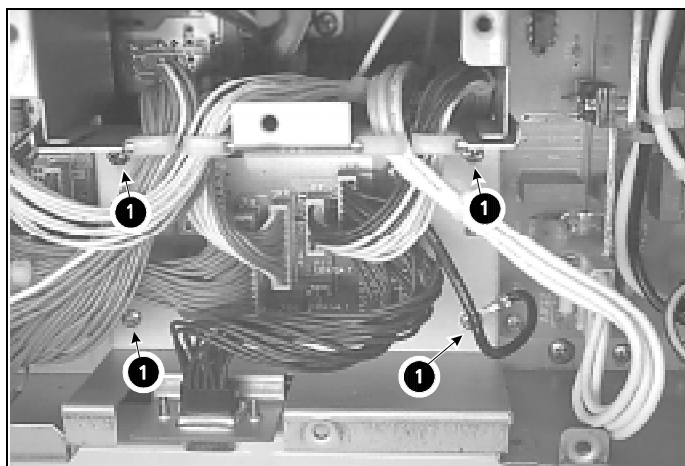


Remove the screws ❹ and ❺. All these are self-tapping screws of the same type. Then, remove the top cover.

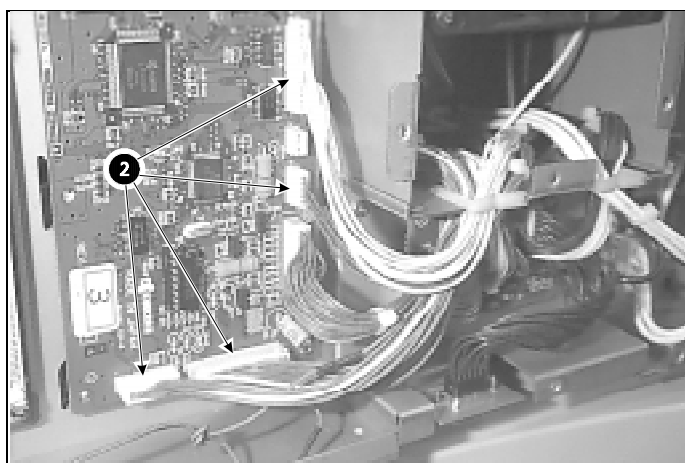


Removing the controller box

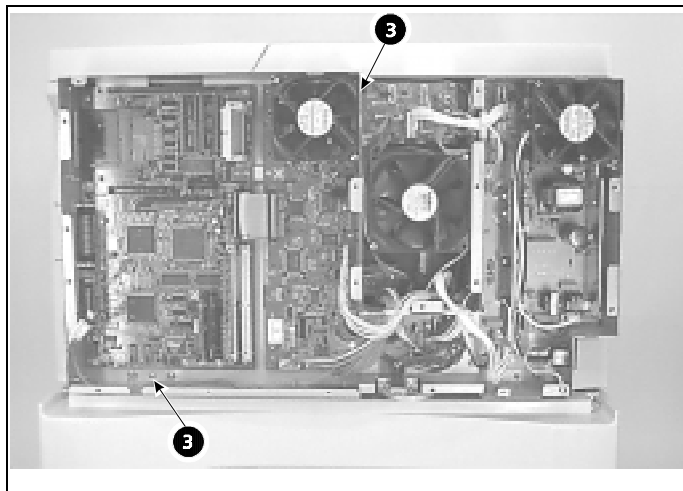
Remove the middle bracket by removing four screws ❶.



Remove the connectors ❷.

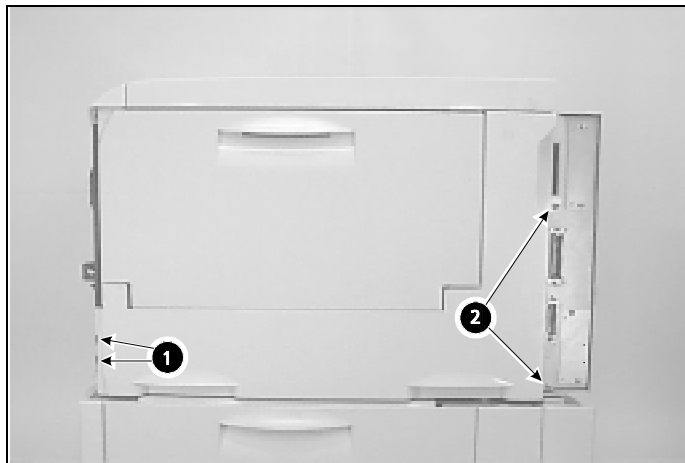


Remove two screws ③ to remove the controller box.



Right side cover/Feeder unit

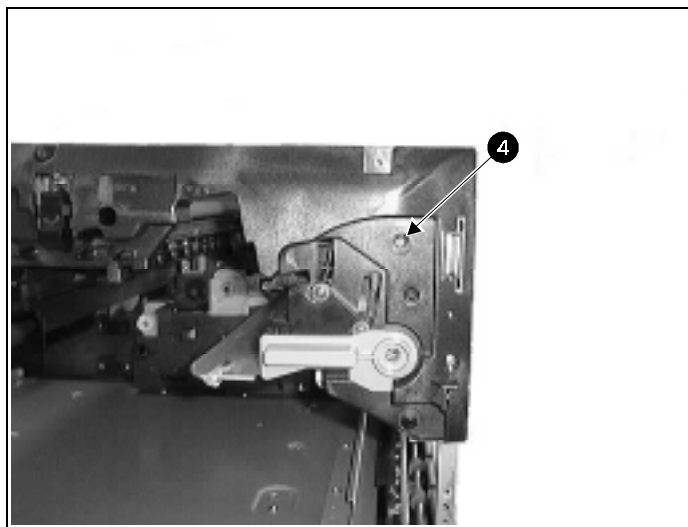
Remove four screws, ❶ and ❷, and remove the right side cover.



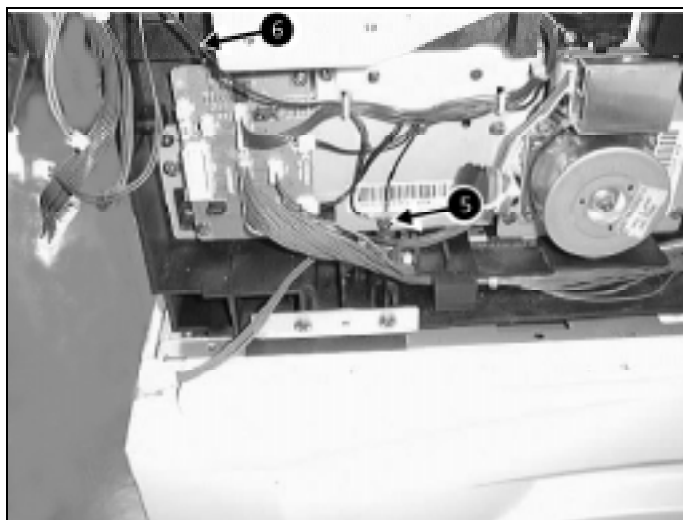
Remove three screws ❸.



Remove the screw ④ at the front side.



Remove the controller box (Refer to *Removing the controller box*, the previous section.), then remove the screw ⑤ below to remove the ground wire (black) ⑥ of the feeder assembly.



After removing the above screw, set the drum unit release lever to the left (down) position. Then, carefully remove the feeder assembly.

Removing the face-down unit

Remove the face-up tray by pulling the left and right arms of the tray while pushing in the locking tab ❶ for each arm.



Remove six screws ❷ and remove the left cover.

