

Exit roller

- 1 Remove all covers, the RFI shield, and the printer door.
- 2 Pry in the tab at the lower end of the left exit roller bushing and pull it inward.
- 3 Release the exit roller by rotating the tab up.



Figure 39. Exit roller removal

- 4 Remove the exit roller by lifting up the left end; the right end follows easily.

Delivery assembly

- 1 Remove all covers, the RFI shield, the printer door, and the exit roller.
- 2 Remove the cartridge guide by pressing in the tab (callout 1) and sliding the guide toward the front of the HP LaserJet 3100/3150 product (callout 2).

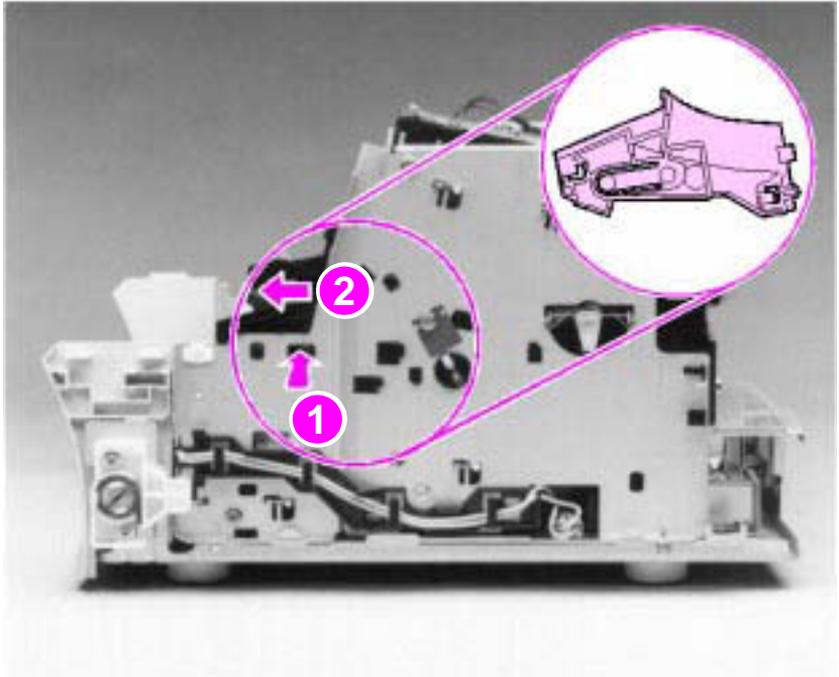


Figure 40. Delivery assembly removal (1 of 2)

- 3 Use the magnetic screwdriver to remove the two (2) screws (callout 1).

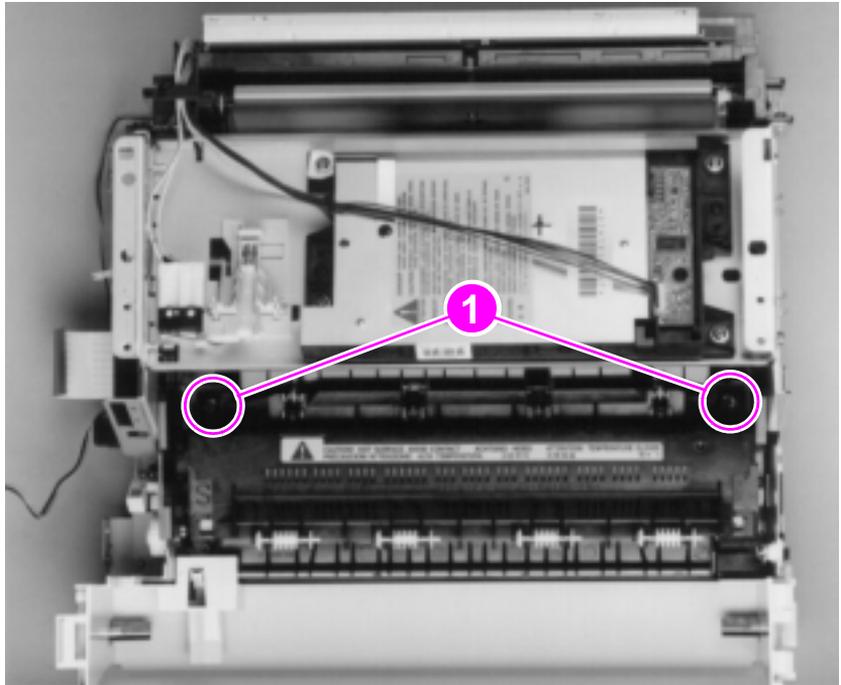


Figure 41. Delivery assembly removal (2 of 2)

- 4 Rotate the rear of the delivery assembly up and forward and lift it out of the printer.

Note

Upon reinstallation, the tabs on the front end of the delivery assembly must fit under the sheet metal fuser plate below to correctly reseat the delivery assembly.

Fuser pressure plate

- 1 Remove all covers, the RFI shield, the printer door, the exit roller, and the delivery assembly.
- 2 Remove the two (2) screws (callout 1).
- 3 Press the fuser plate retainer clips out (callout 2) to release the pressure plate.
- 4 Rotate the plate around and toward the back (callout 3) and lift up to remove it.

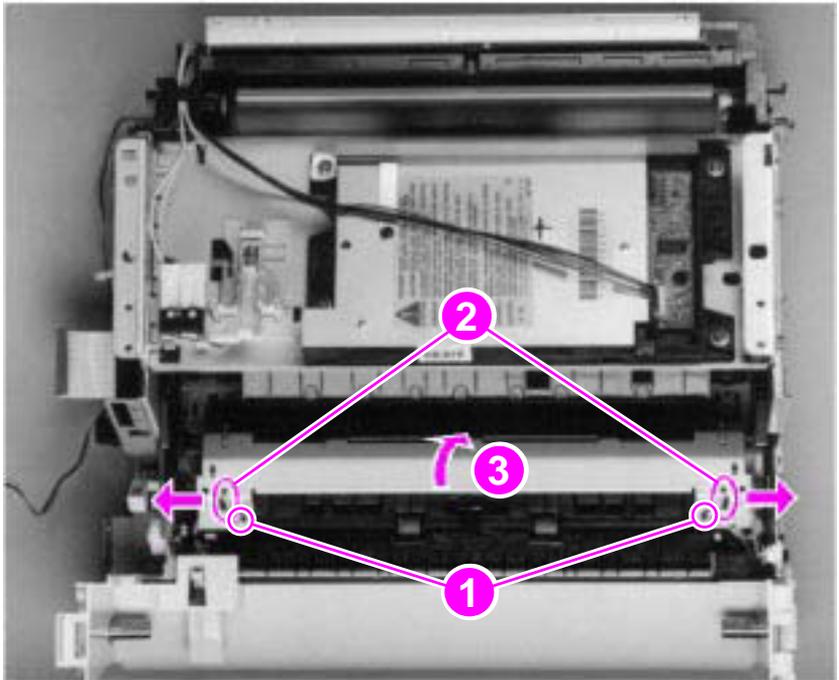


Figure 42. Fuser pressure plate removal

To reinstall

The fuser pressure plate is held in place by four locking mechanisms in each corner. Place the rear slits in the plate over the rear brackets that hold the fusing assembly (callout 1). Lower the plate over the retaining clips, pressing on both sides of the fuser pressure plate (callout 2). It is important that the spring is placed over the positioning pin (callout 3) because inadequate pressure will cause fusing problems. Replace the screws.

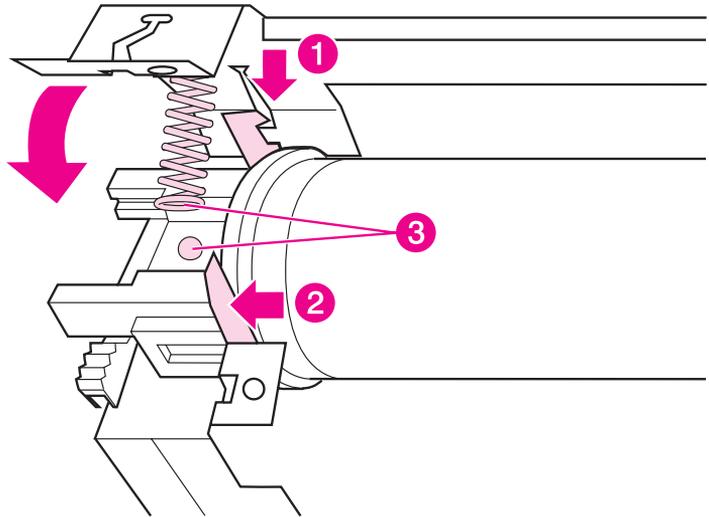


Figure 43. Fuser pressure plate replacement

Front casing

- 1 Remove all covers, the RFI shield, and the printer door.
- 2 Remove the two (2) screws (callout 1) from the right hinge holder.

Note

The lower screw on each of the hinge holders secures a small metal grounding plate. Upon reinstallation, make sure the grounding plates are in the correct position.

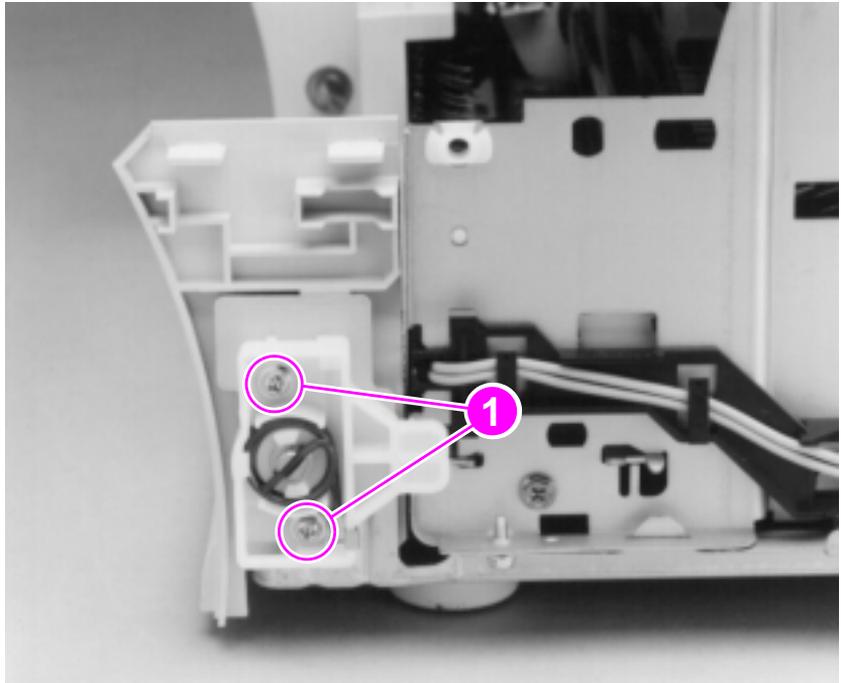


Figure 44. Front casing removal

- 3 Lift the right hinge holder from the frame.
- 4 Repeat the procedure to remove the left hinge holder.
- 5 Lift the front of the product up slightly and press the tabs at the bottom of the product to release the front casing.
- 6 Lift the front casing away from the product.

To reinstall

Make sure that the paper path lever hooks into the face-up/face-down lever correctly.

Heating element

- 1 Remove all covers, the RFI shield, the printer door, the exit roller, the delivery assembly, the fuser pressure plate, and the front casing.
- 2 Disconnect the AC voltage to the heating element by releasing the connector located on the ECU. Press down on the connector release with the small flatblade screwdriver (callout 1). (Because this is a small space, it is much easier to reach the connector with a screwdriver.) Pull the connector straight out (callout 2).

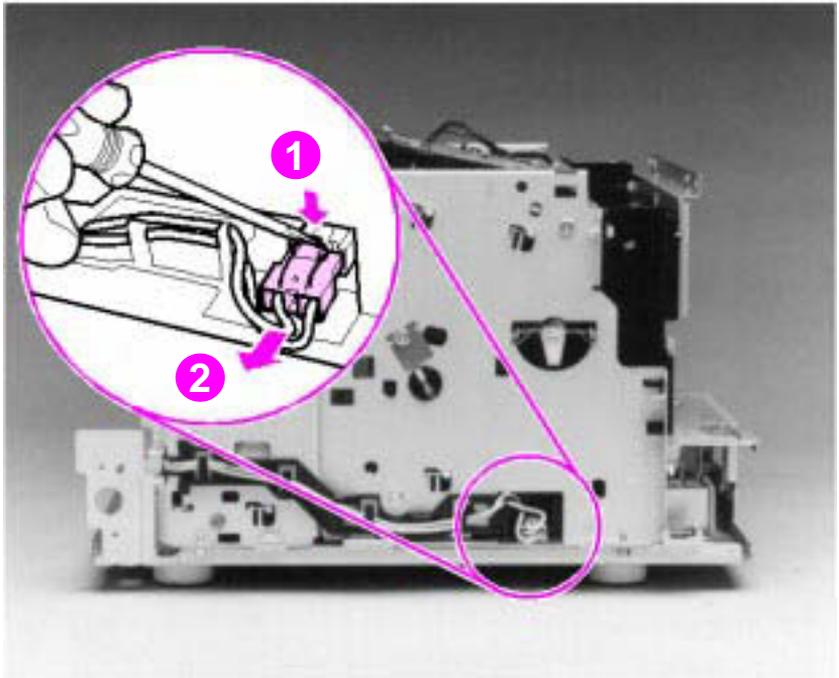


Figure 45. Heating element removal (1 of 2)

- 3 Remove the wire from the wire guides along the right side of the printer.

- 4 Disconnect the thermistor feedback connector (callout 1) in the left, front side of the fusing assembly.

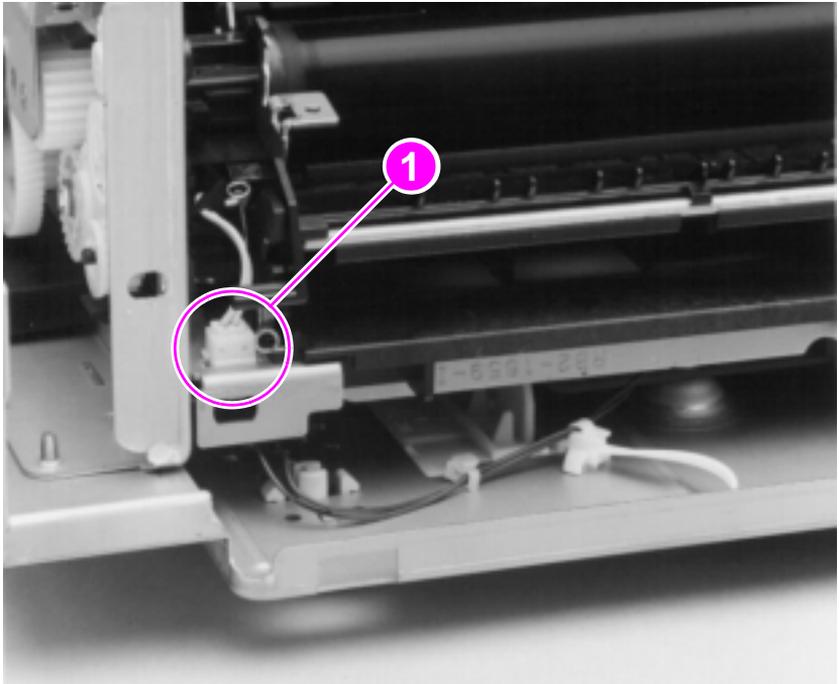


Figure 46. Heating element removal (2 of 2)

- 5 Lift the heating element out.

To reinstall

Make sure the connectors are properly reattached and that the thermistor feedback cable is routed behind the face-up/face-down lever.

Pressure roller

- 1 Remove all covers, the RFI shield, the printer door, the exit roller, the delivery assembly, the fuser pressure plate, the front casing, and the heating element.
- 2 Remove the pressure roller guide by lifting the edge (callout 1) and then rolling it gently backward (callout 2).

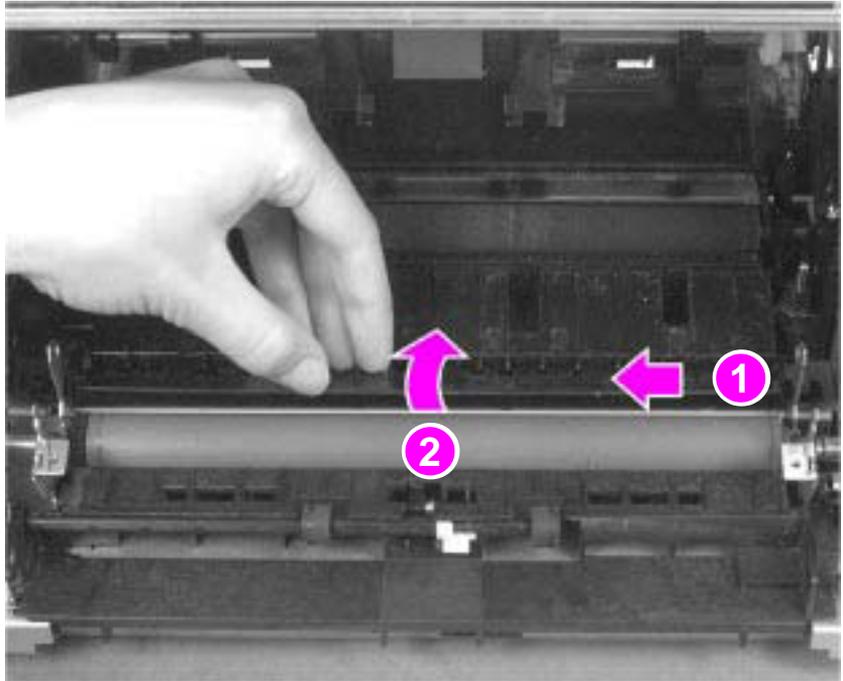


Figure 47. Pressure roller guide removal

- 3 Lift the right end of the pressure roller up and out of the printer chassis.

Note

The right end of the pressure roller is greased.

- 4 The left side will follow easily with the pressure roller gear still attached.

Note

When reinstalling the pressure roller, apply a drop of pressure roller grease to the grounding plate on the right end of the shaft. See Chapter 7, "Parts and diagrams," for information about ordering pressure roller grease.

Face-up/face-down lever

- 1 Remove all covers, the RFI shield, the printer door, the exit roller, the delivery assembly, the fuser pressure plate, the front casing, the heating element, and the pressure roller.
- 2 Rotate the lever forward 90 degrees (past the spring) and pull it straight out the front of the printer.

To reinstall

- 1 Make sure the lever arm is on the left and is initially pointing downward.
- 2 Pull the spring forward using needlenose pliers.
- 3 Slide the short, round tabs into the grooves on the separation guide assembly. The machined ridges on the lever will face you.
- 4 Release the spring so it falls in place in front of the square tab.

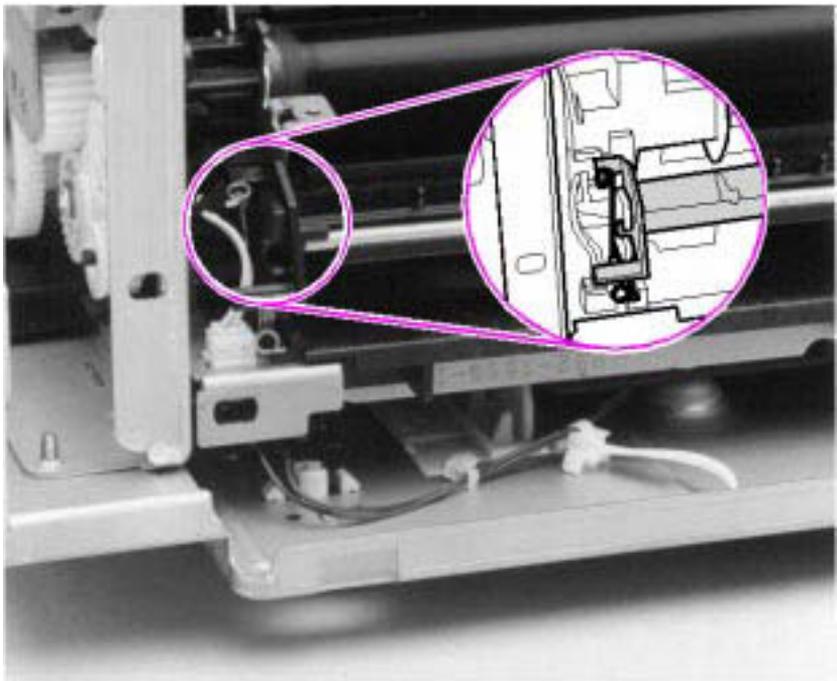


Figure 48. Face-up/face-down lever replacement

Note

You can tell when the lever is in place because there are two plastic grooves that fit precisely in front of the exit rollers, and you should be able to feel the spring's release mechanism.

Fuser exit roller assembly

- 1 Remove all covers, the RFI shield, the printer door, the exit roller, the delivery assembly, the fuser pressure plate, the front casing, the heating element, the pressure roller, and the face-up/face-down lever.
- 2 Remove the gear from the left end of the roller shaft by pressing down on the catching mechanism with the small flatblade screwdriver and pulling the gear away.
- 3 Remove the exit roller assembly by pressing the small, white tab upward (callout 1) and rotating it around (callout 2).
- 4 Slide the exit roller assembly forward and out to the right of the printer.

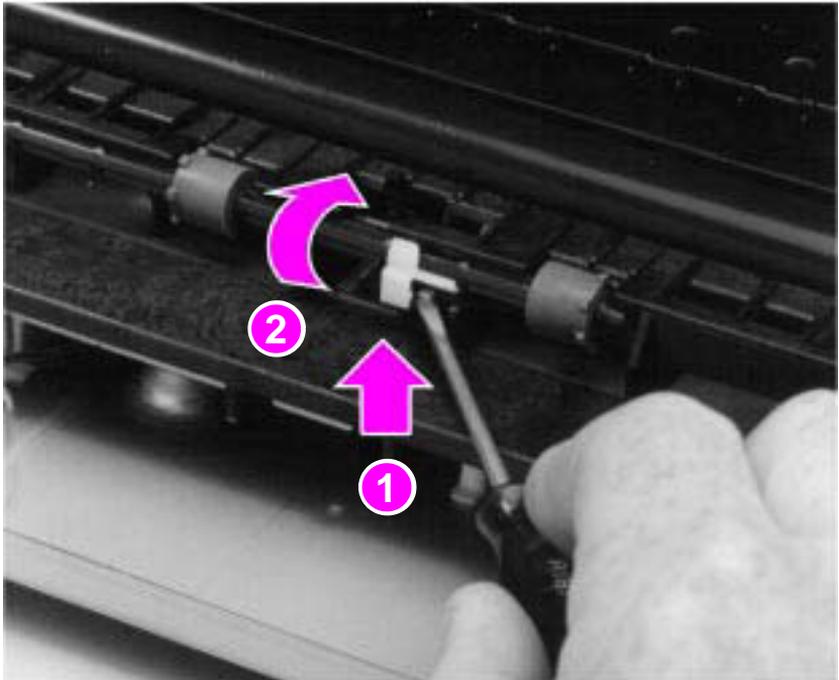


Figure 49. Fuser exit roller assembly removal