HP LaserJet 1320 -- Maintenance Kit Instructions

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Please note that installing this maintenance kit is considered an **advanced** installation procedure. If you have never done this before you will want to allow a couple hours for installation.

Because of the advanced nature of this installation, we can only provide limited technical support for this kit.

Here is the outline of installation steps:

Step #1 – Replace the pickup roller.

Step #2 – Replace the separation pad.

Step #3 – Remove the covers.

Step #4 – Replace the fuser.

Changing the pickup roller

Normal use with good media causes wear. The use of poor media might require more frequent replacement of the pickup roller.

If the printer regularly mispicks (no media feeds through), you might need to change or clean the pickup roller. See Ordering parts and supplies to order a new pickup roller.
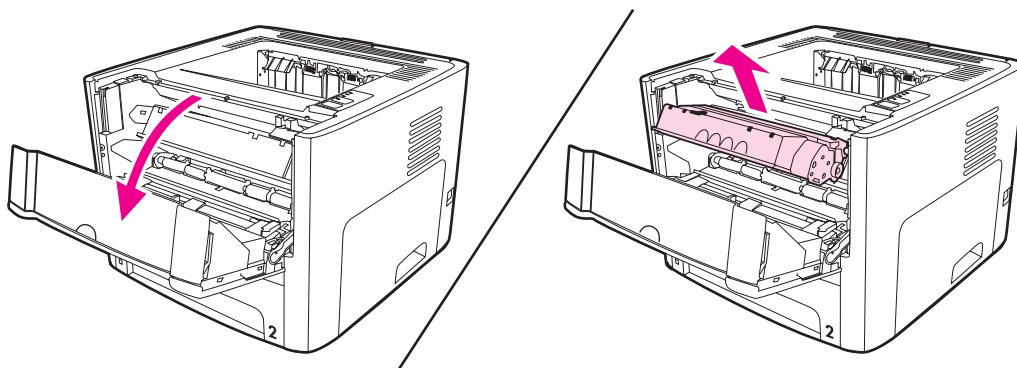
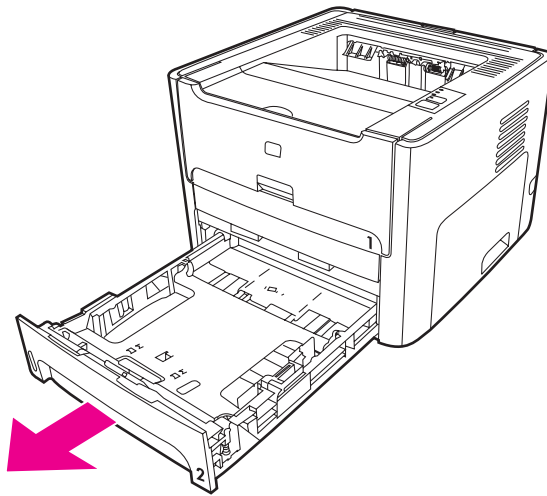**CAUTION**　　　　Failure to complete this procedure might damage the printer.

1. Turn off the printer, unplug the power cord from the printer, and then allow the printer to cool.
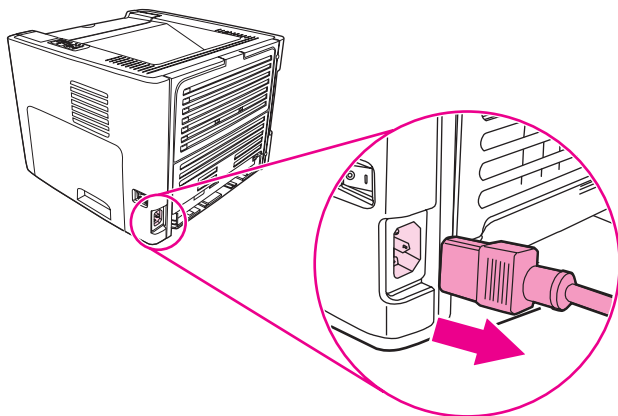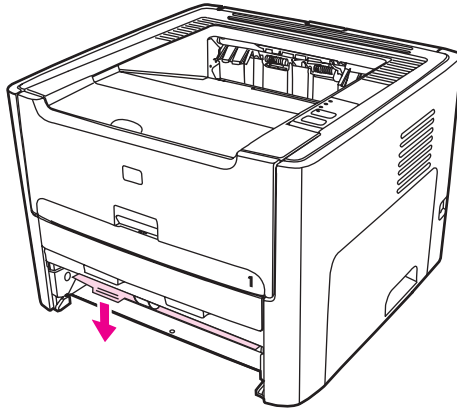

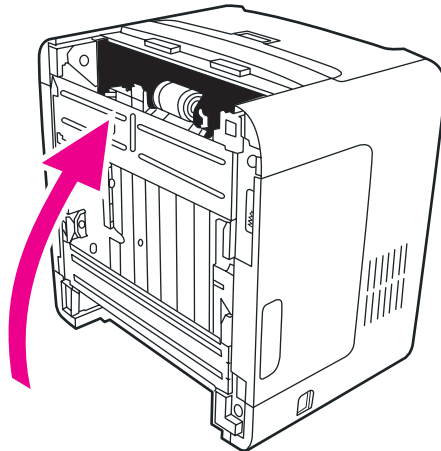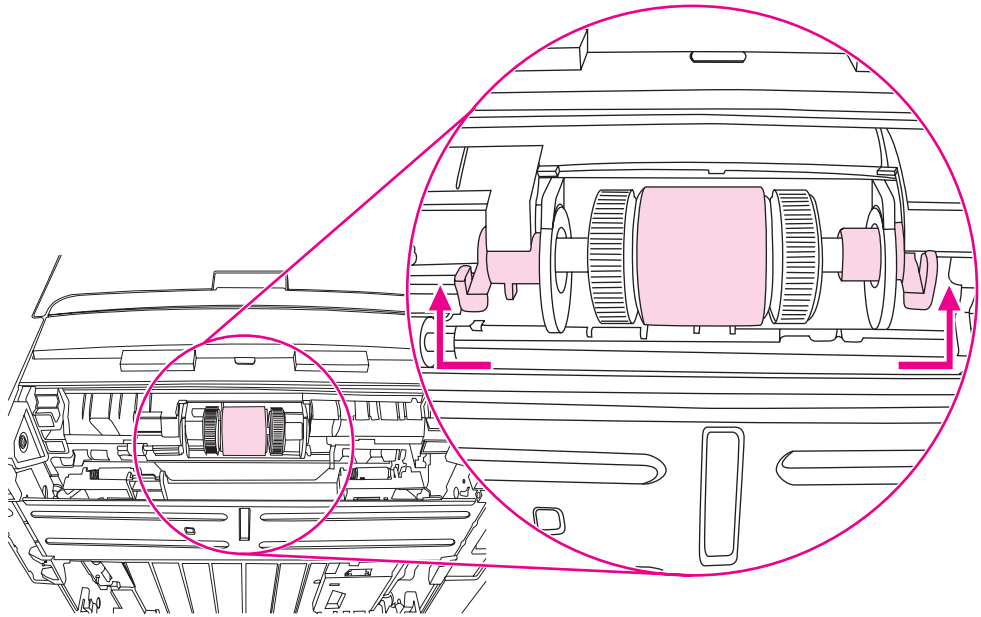2. Open the print-cartridge door, and remove the print cartridge.

3. Remove tray 2.

4. Open the front automatic two-sided-printing path door (HP LaserJet 1320 Series printer only).
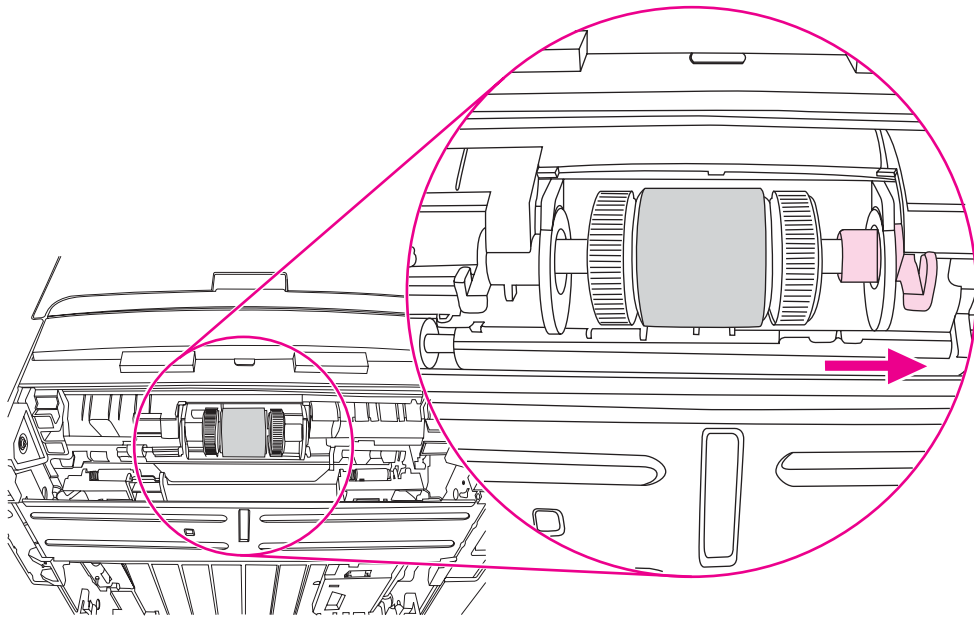
5. Place the printer on the work surface with the front of the printer facing up.
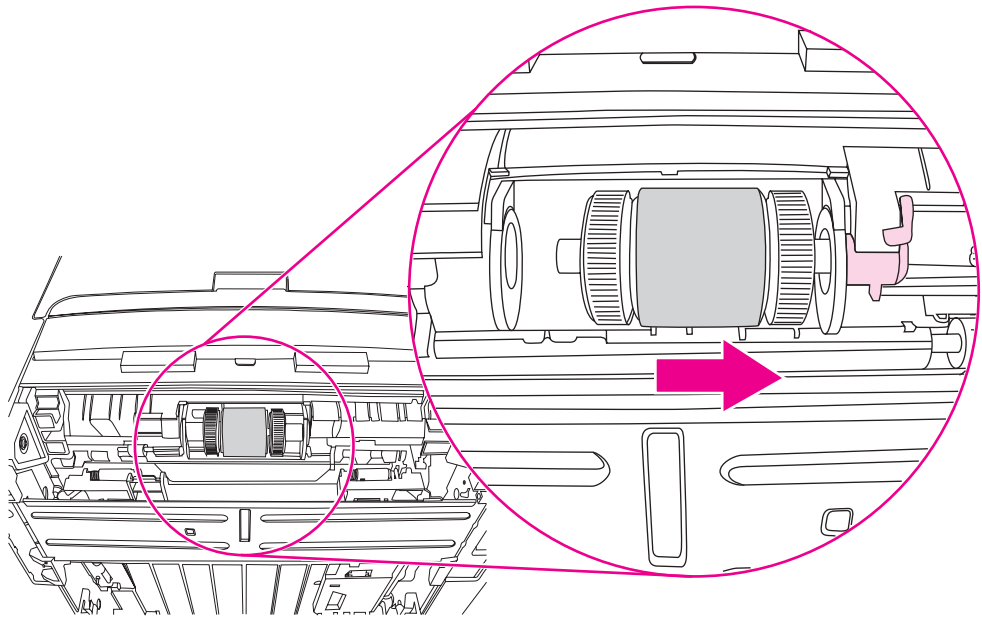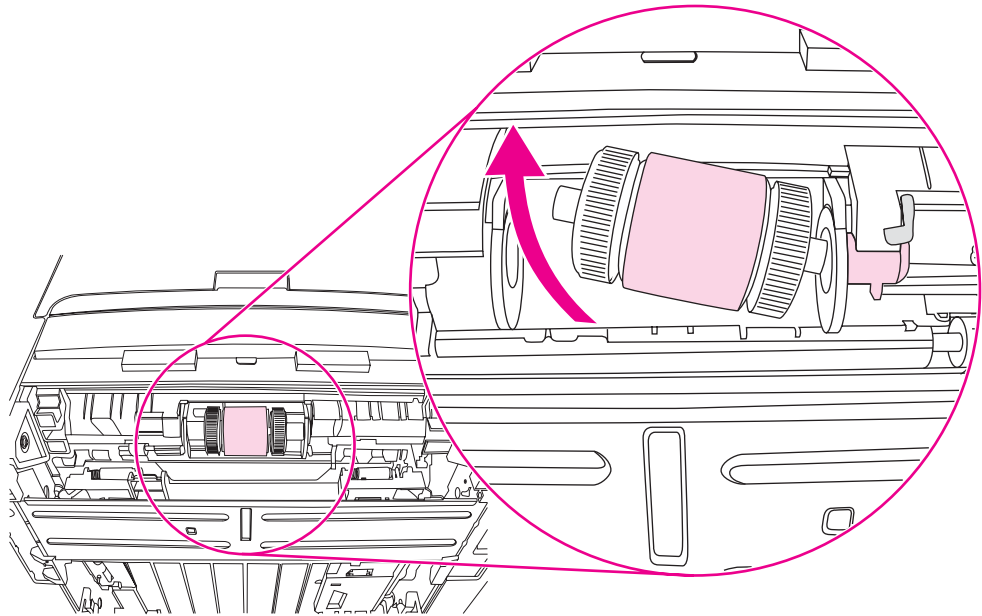
6. Pull the white tabs outward, and rotate the tabs up.

7. Slide the right tab to the right, and leave the tab in this position throughout the procedure.
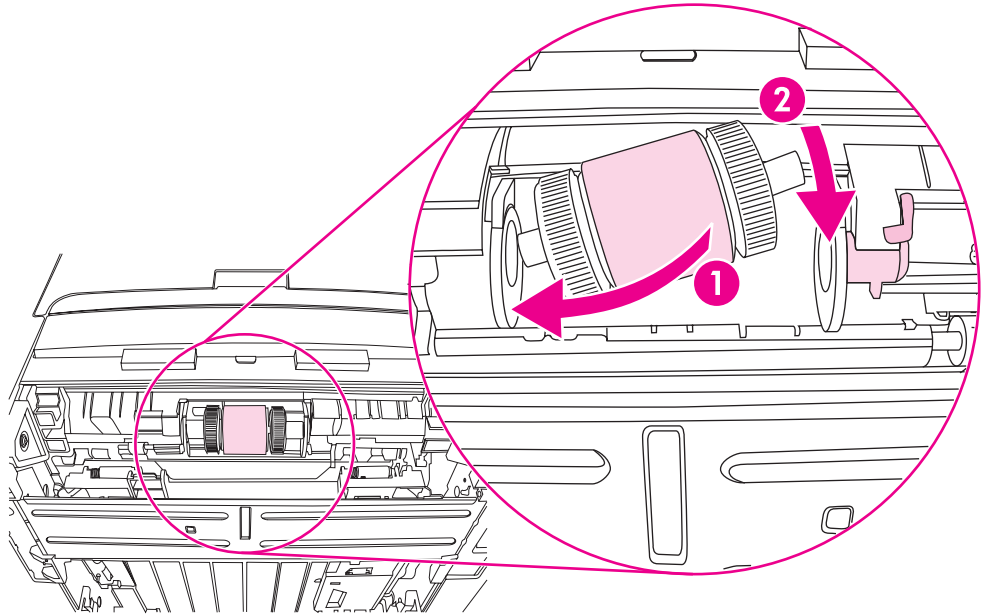
8. Slide the pickup roller assembly to the right, and remove the left end cap.

9. Remove the pickup roller.

10. Insert the left side of the new pickup roller into the left slot (1), and insert the right side (with notches in the shaft) into the right slot (2).

11. Rotate the shaft until the notches engage and the shaft clicks into place.

12. Place the end cap over the shaft on the left side, push the end cap to the right, and rotate the tab downward into position.
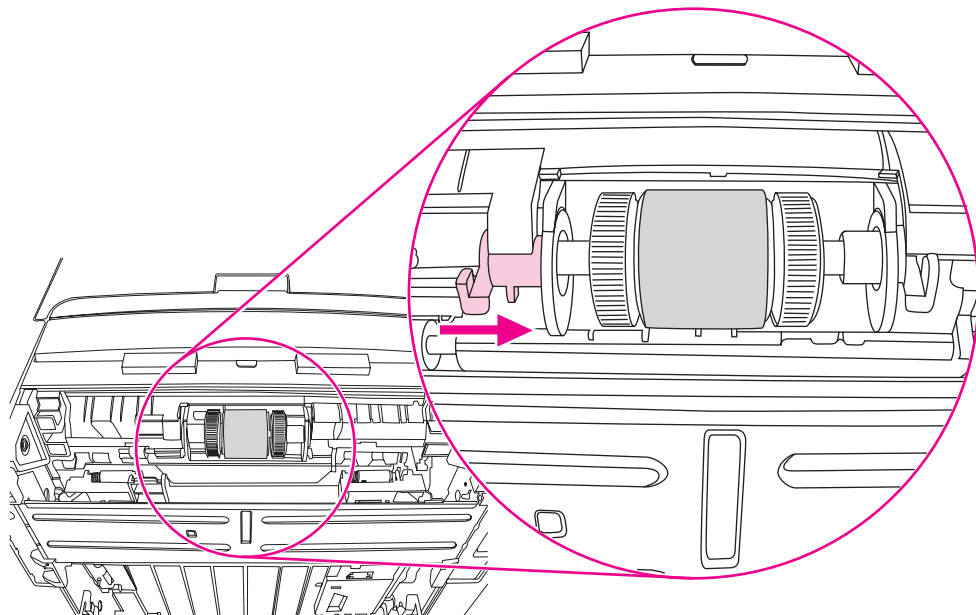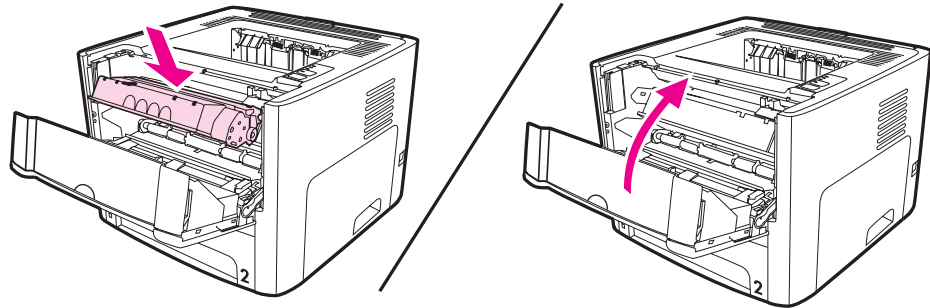
13. Push the right tab to the left, and rotate the tab downward into position.

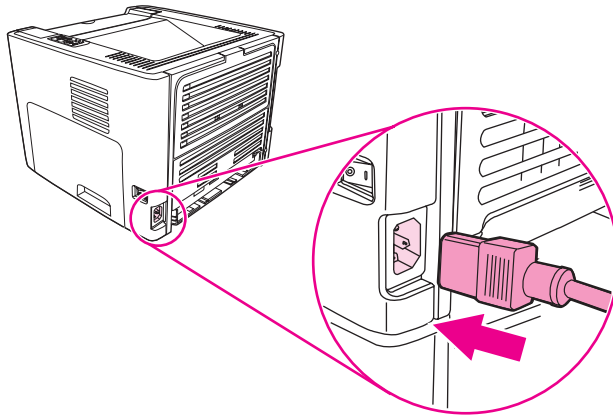14. Place the printer on the work surface with the top of the printer facing up.

15. Close the front automatic two-sided-printing path door.
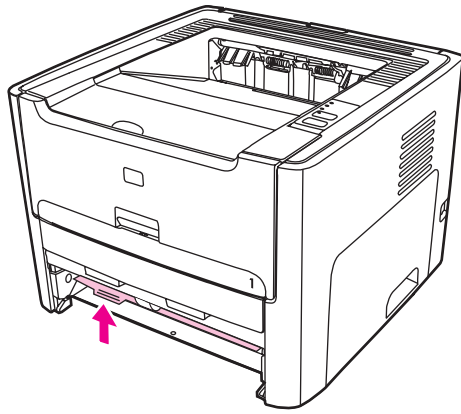
16. Reinstall the print cartridge, and close the print-cartridge door.

17. Plug the power cord into the printer and then turn on the printer.
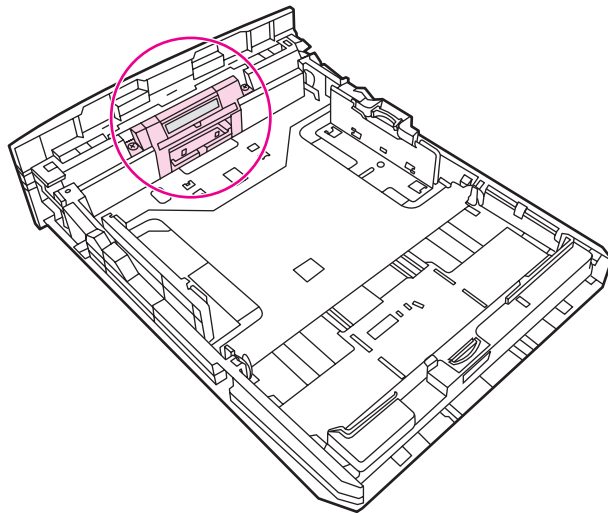
Changing the printer separation pad

Normal use with good media causes wear. The use of poor media might require more frequent replacement of the separation pad. If the printer regularly pulls multiple sheets of media at a time, you might need to change the separation pad.
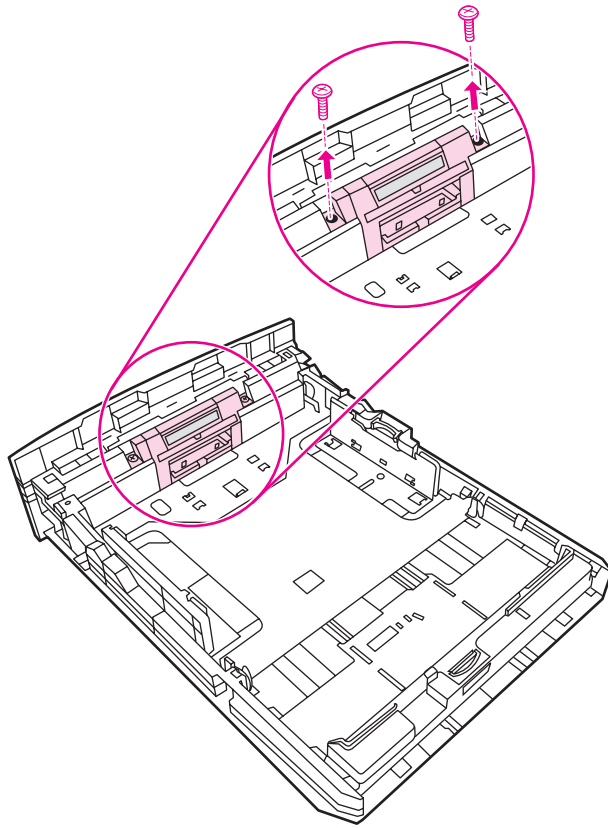
1. Remove the main input tray (tray 2).
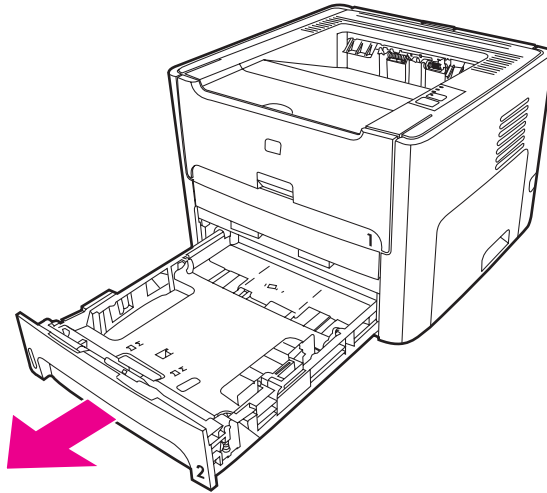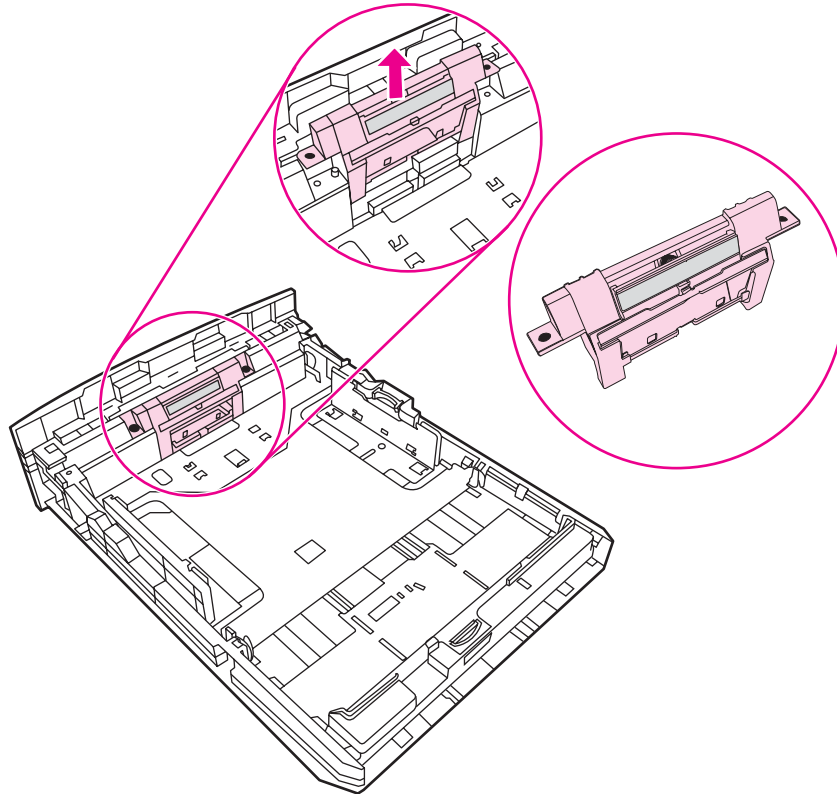

2. Locate the separation pad.

3. Remove the screws.

4. Remove the separation pad.

Before you proceed to step 4, examine the position of the separation pad in the tray.

5. Insert the new separation pad.
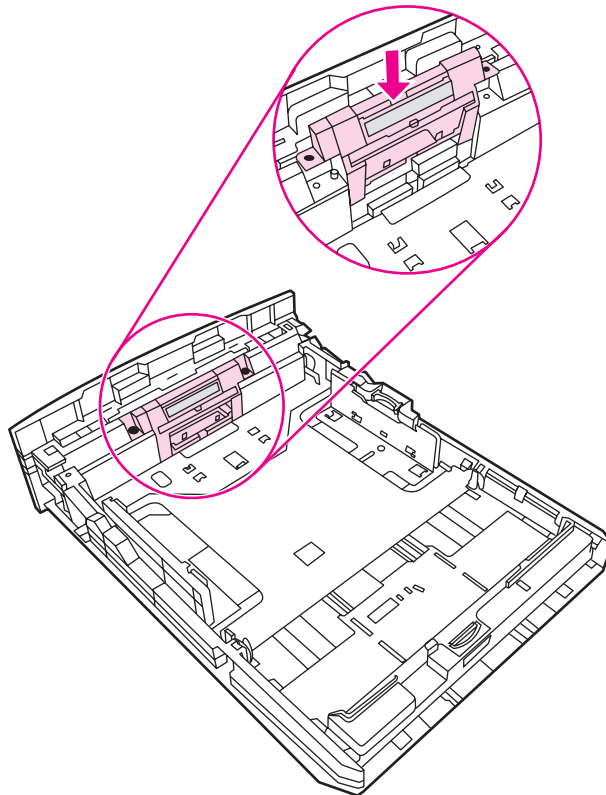
6. Replace the screws.
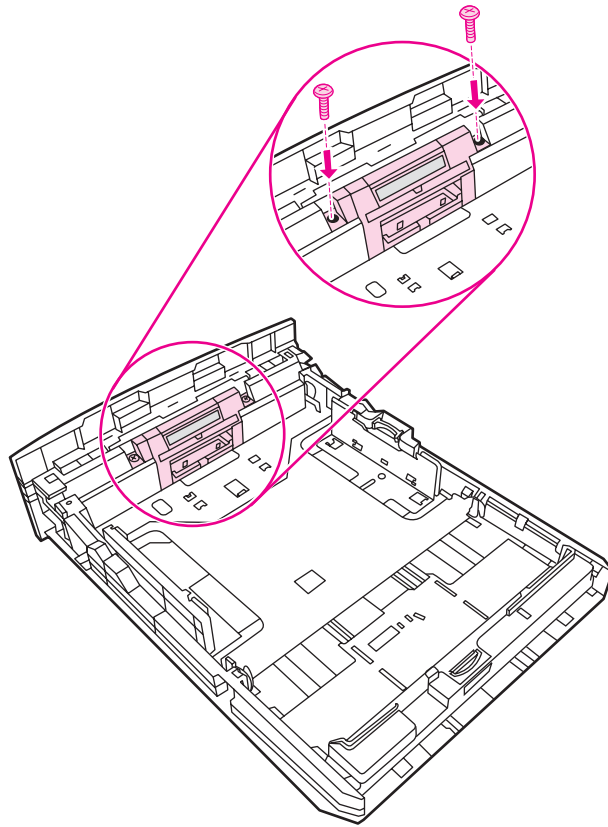
Covers

Left-side cover

1. Open the print-cartridge door.

2. Release two tabs (callout 1) to pry the cover away at the back of the printer approximately 38 mm (1.5 inches).

NOTE   A screwdriver is required to remove the left-side cover from an HP LaserJet 1160 printer.
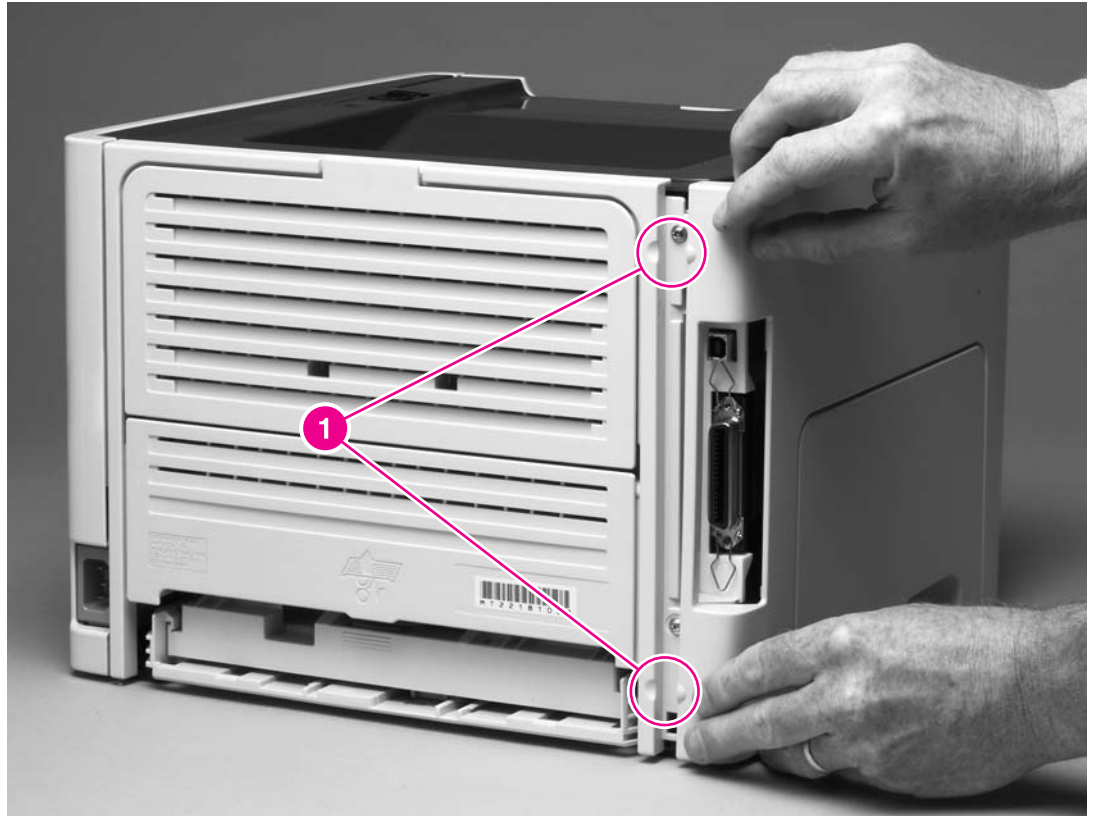
Figure 6-1.   **Removing the left-side cover (1 of 2)**

3. Slide the cover toward the front of the printer to clear the interlock tab (callout 2).
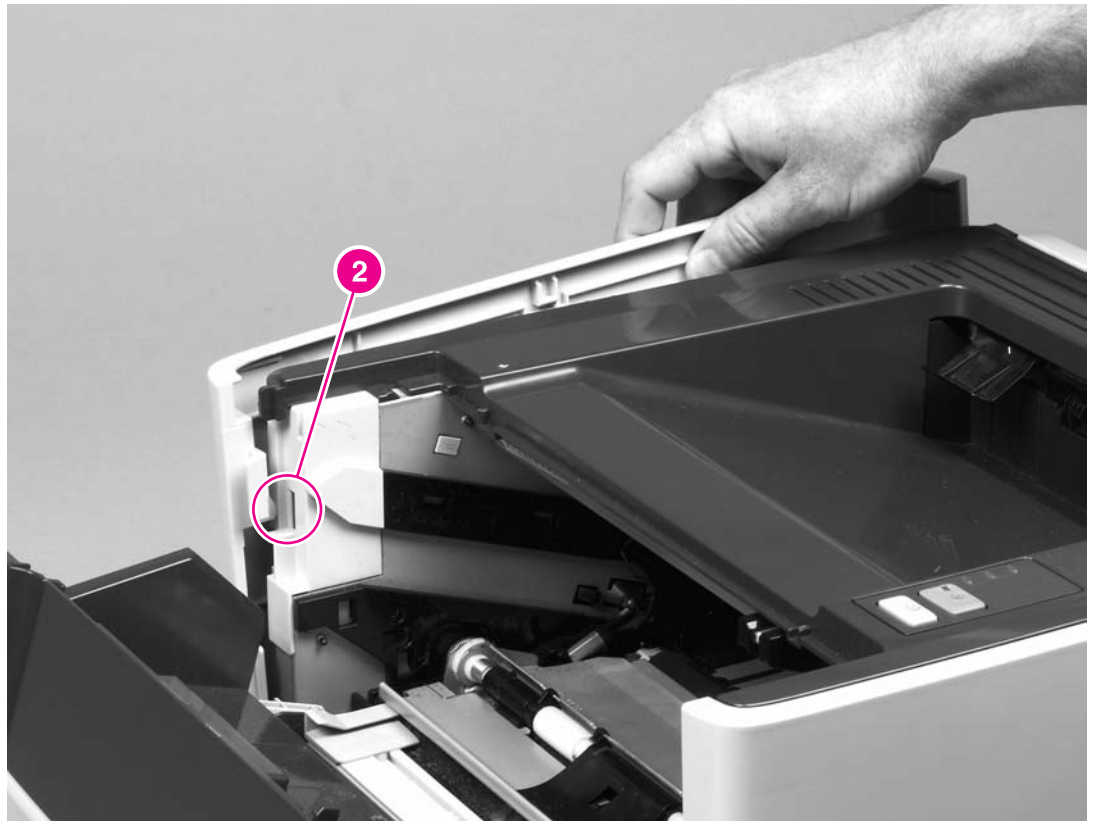
Figure 6-2. **Removing the left-side cover (2 of 2)**

4. Lift the cover away from the printer.

Right-side cover

1. Open the print-cartridge door.

2. Lift the back of the printer off of the workspace and use a flat blade screwdriver to pry the cover from the tab (callout 1) at the bottom of the printer.

Figure 6-3.   **Removing the right-side cover (1 of 2)**

3. Use a flat blade screwdriver to pry the cover at the back of the printer, releasing two internal tabs (callout 2).

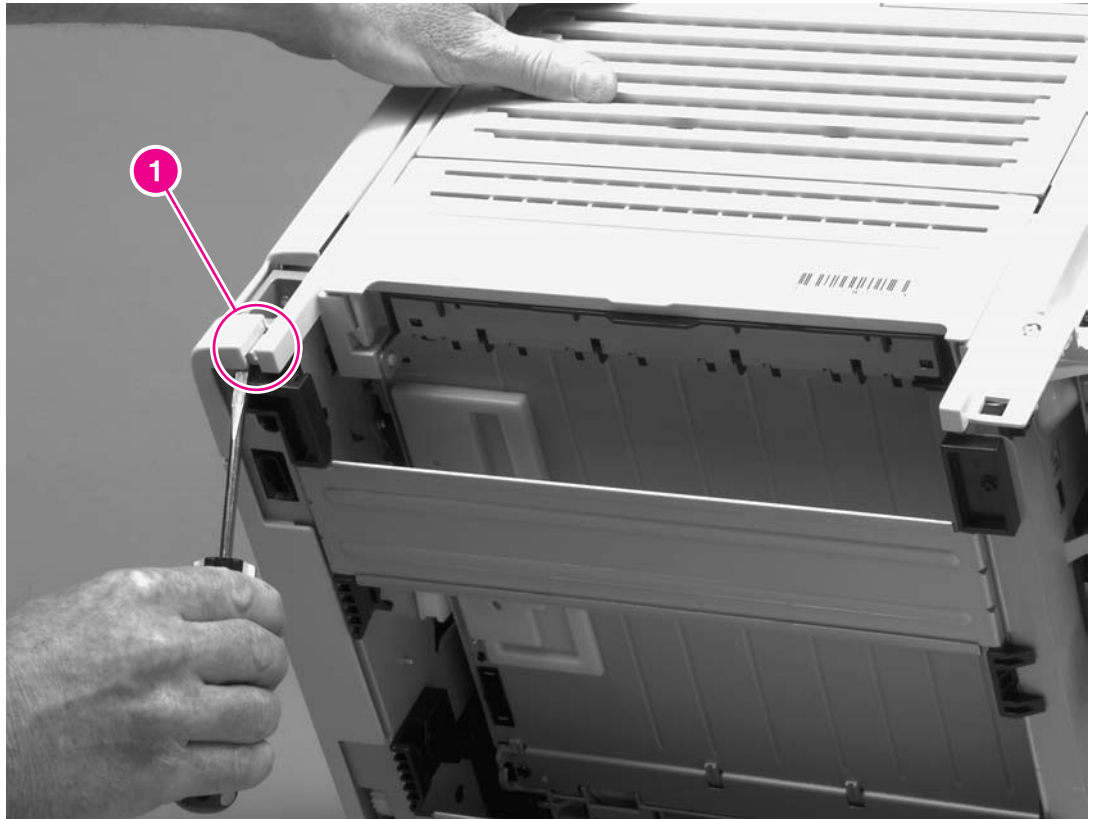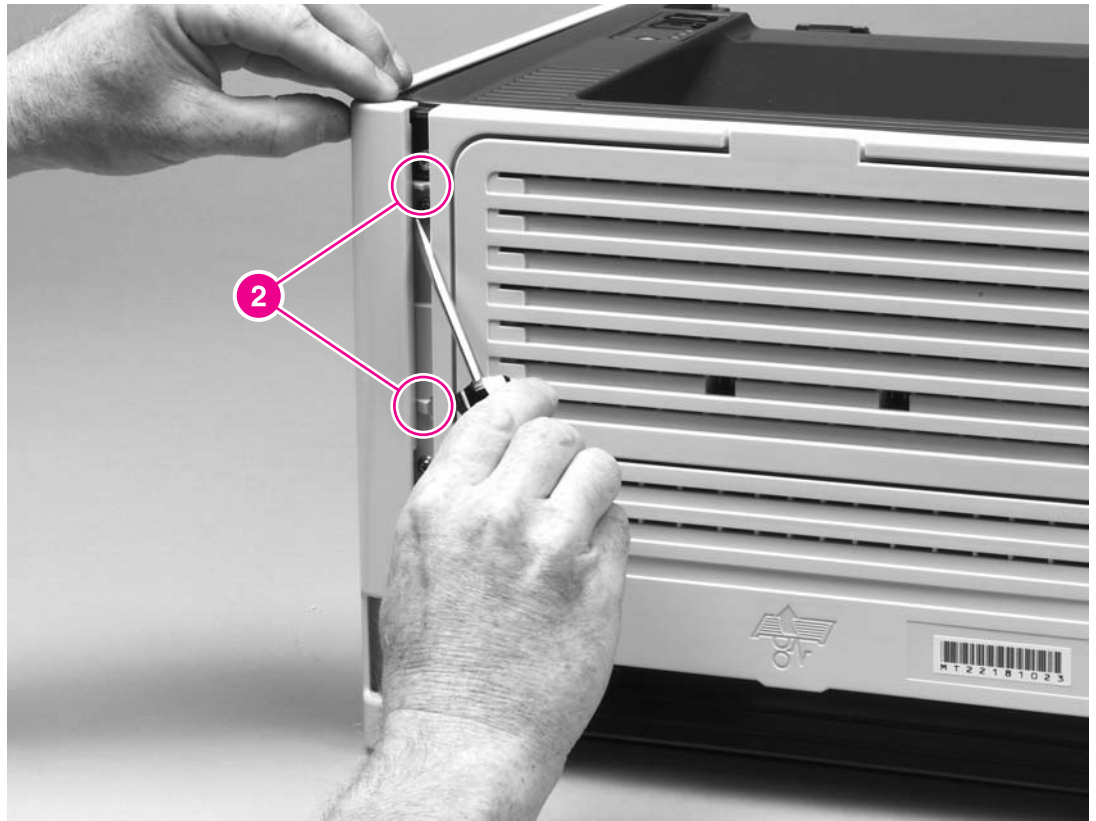**Figure 6-4.** **Removing the right-side cover (2 of 2)**

4. Lift the cover away from the printer.

Back cover

1. Remove the left-side cover (see Left-side cover) and the right-side cover (see Right-side cover).

2. Remove four screws (callout 1).

Figure 6-5.   **Removing the back cover (1 of 2)**
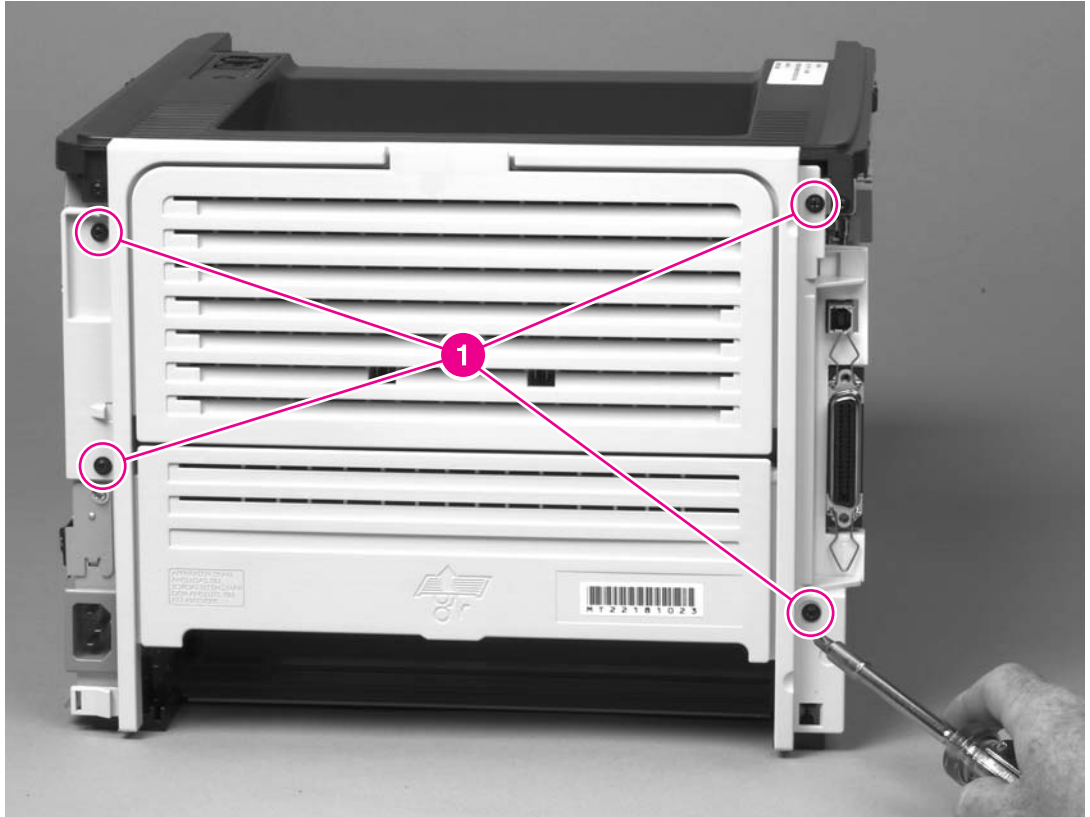
3. Tip the printer so that it rests on its front.

4. Release the tab (callout 2) at the back of the printer on the right side of the printer.

5. Slide the cover toward the right side of the printer to clear the tab (callout 3) on the duplex tray.
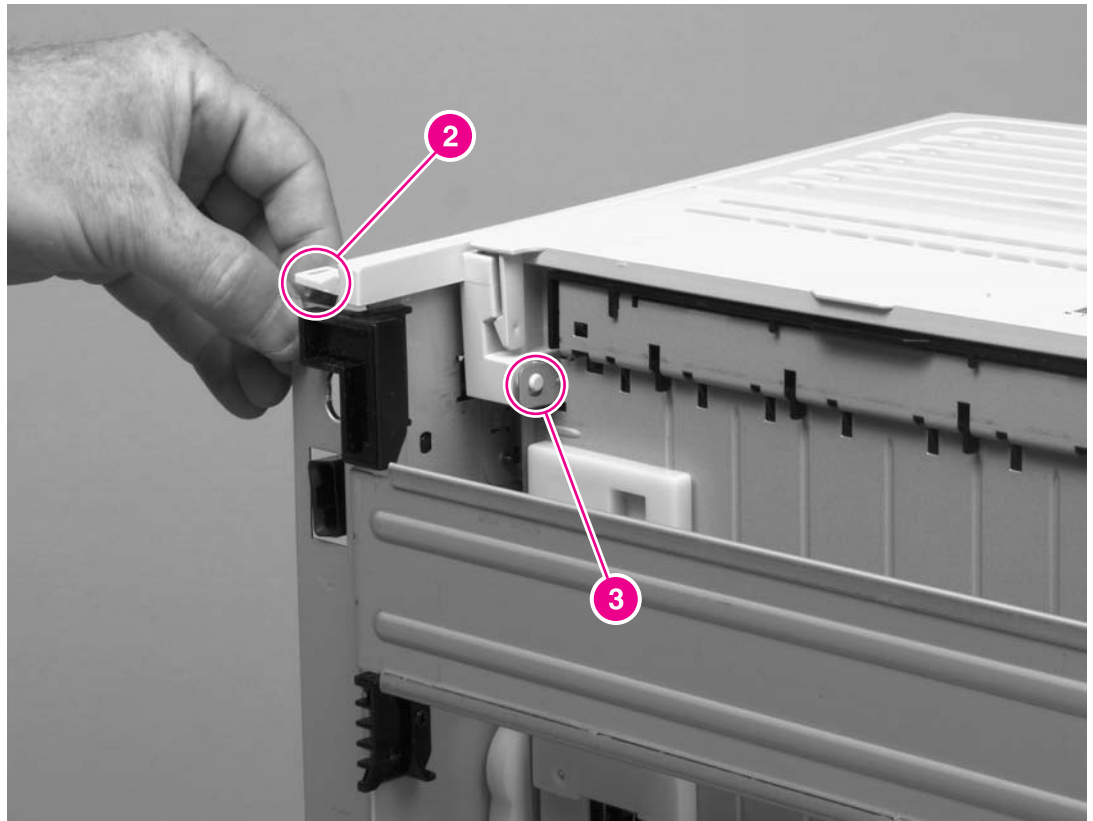
Figure 6-6.   **Removing the back cover (2 of 2)**

6. Lift the cover straight up and away from the printer.

Reinstallation tip

Make sure that the flag (callout 1) and both of the fuser-release levers (callout 2) fit through the holes in the cover before attaching the cover.
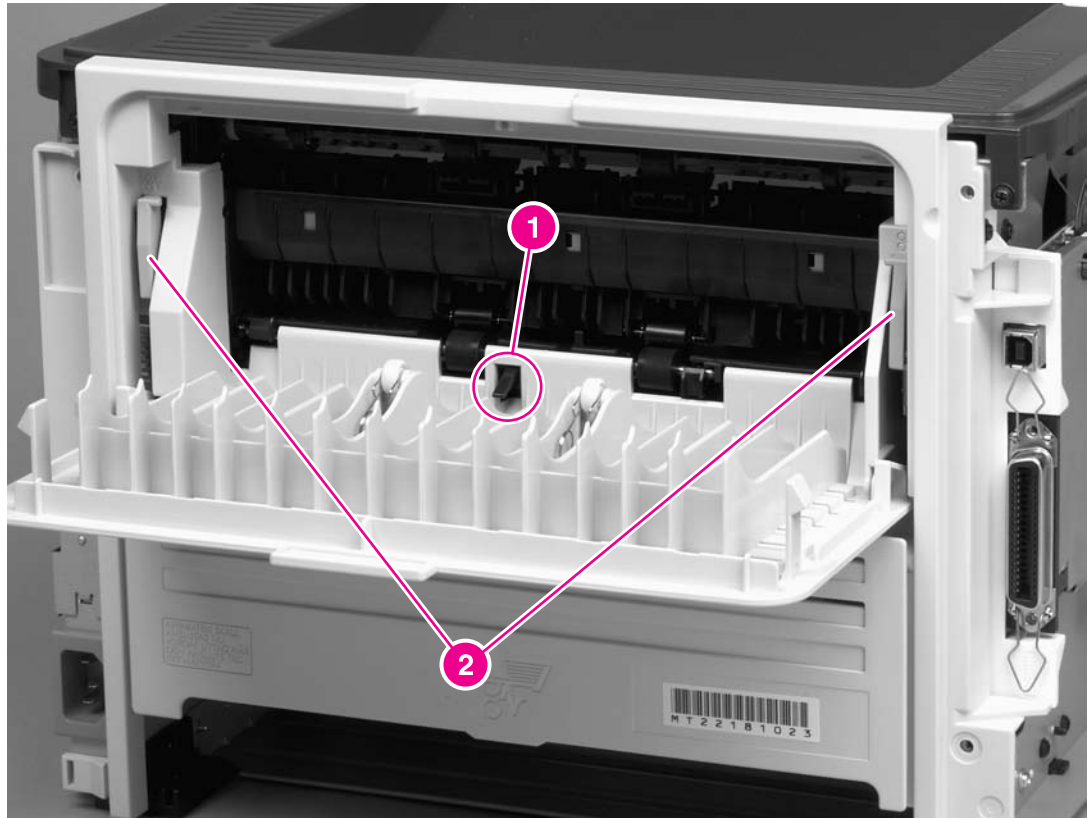
Figure 6-7. **Reinstalling the back cover**

Duplexer tray

1. Remove the left-side cover (see Left-side cover), the right-side cover (see Right-side cover), and the back cover (see Back cover).

2. Pull the duplexer tray release-tab (callout 1) to release the duplexer tray magnets.

3. Slide the duplexer tray toward the right side of the printer to release the tab (callout 2) at the back, left side.
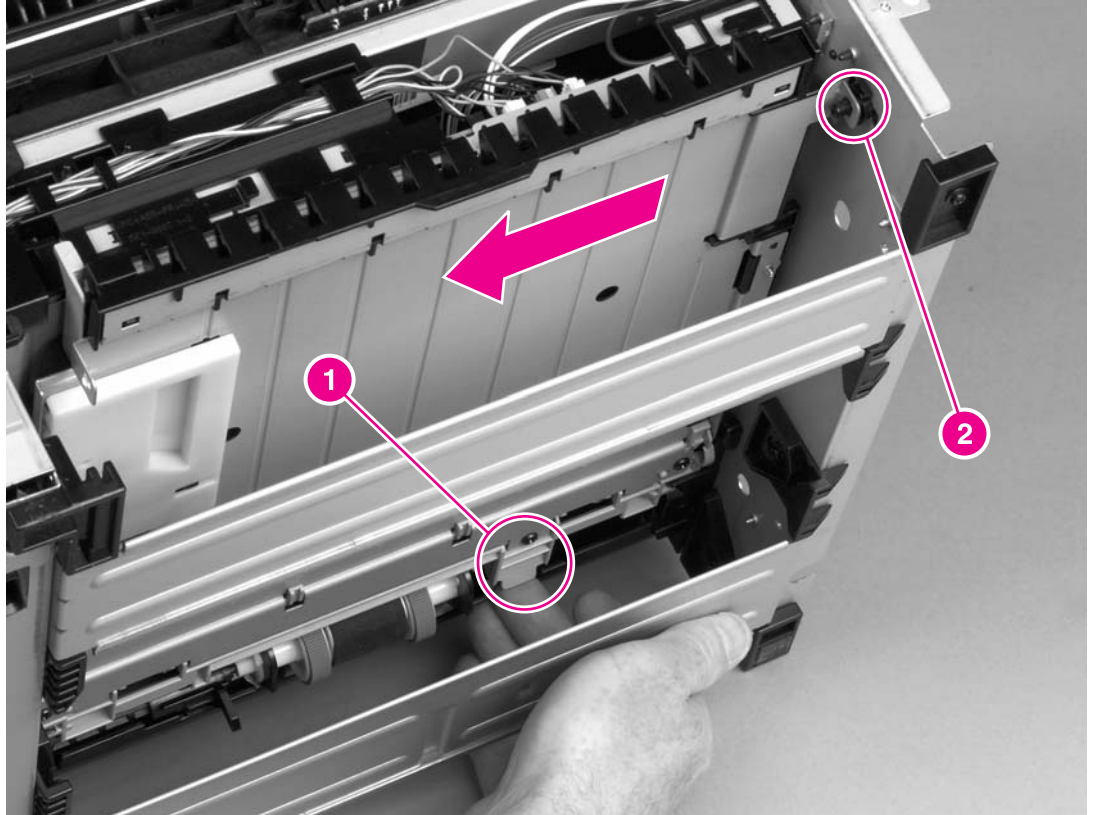

Figure 6-8. **Removing the duplexer tray**

Top cover

1. Remove the left-side cover (see Left-side cover), the right-side cover (see Right-side cover), the back cover (see Back cover), and the duplexer tray (see Duplexer tray).

2. Remove two screws (callout 1) at the back of the printer.

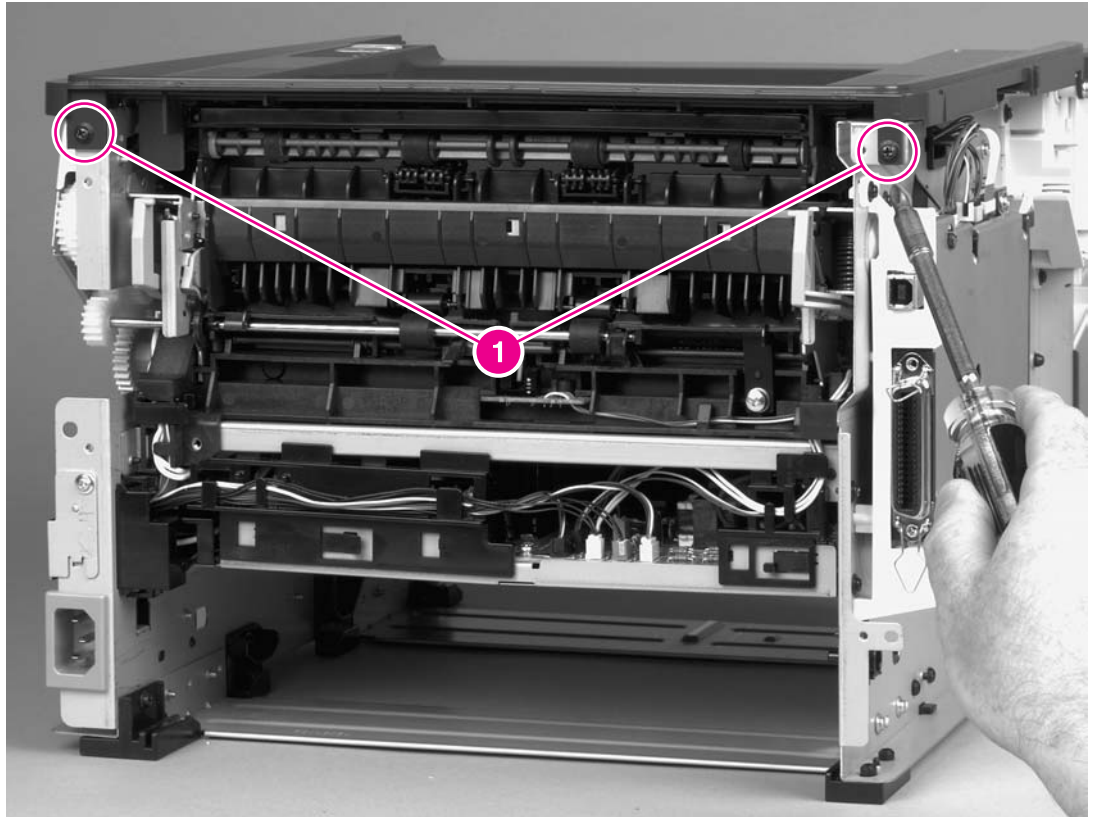**Figure 6-9.**   **Removing the top cover (1 of 3)**

3. Remove one screw (callout 3) at the left side of the printer and remove one screw (callout 4) from the front of the printer.
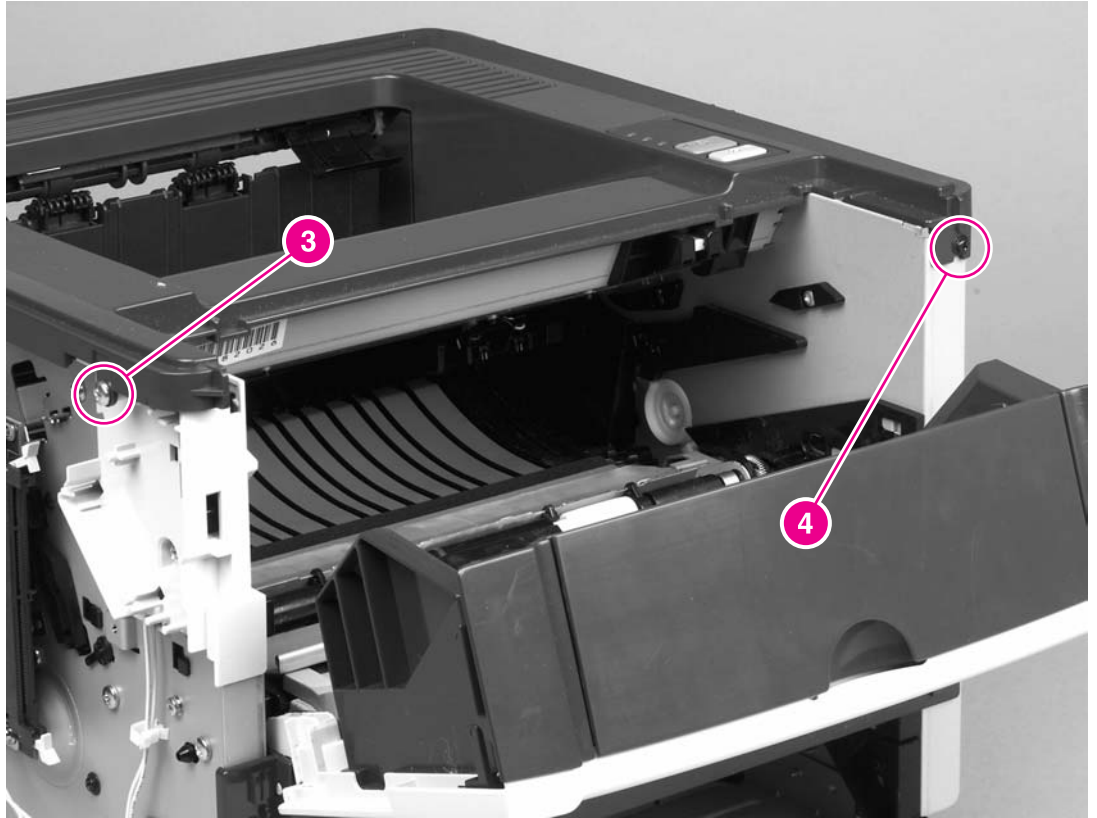

Figure 6-10. **Removing the top cover (2 of 3)**

4. Lift up the left side of the top cover and release the control-panel cable (callout 5) at the right side.
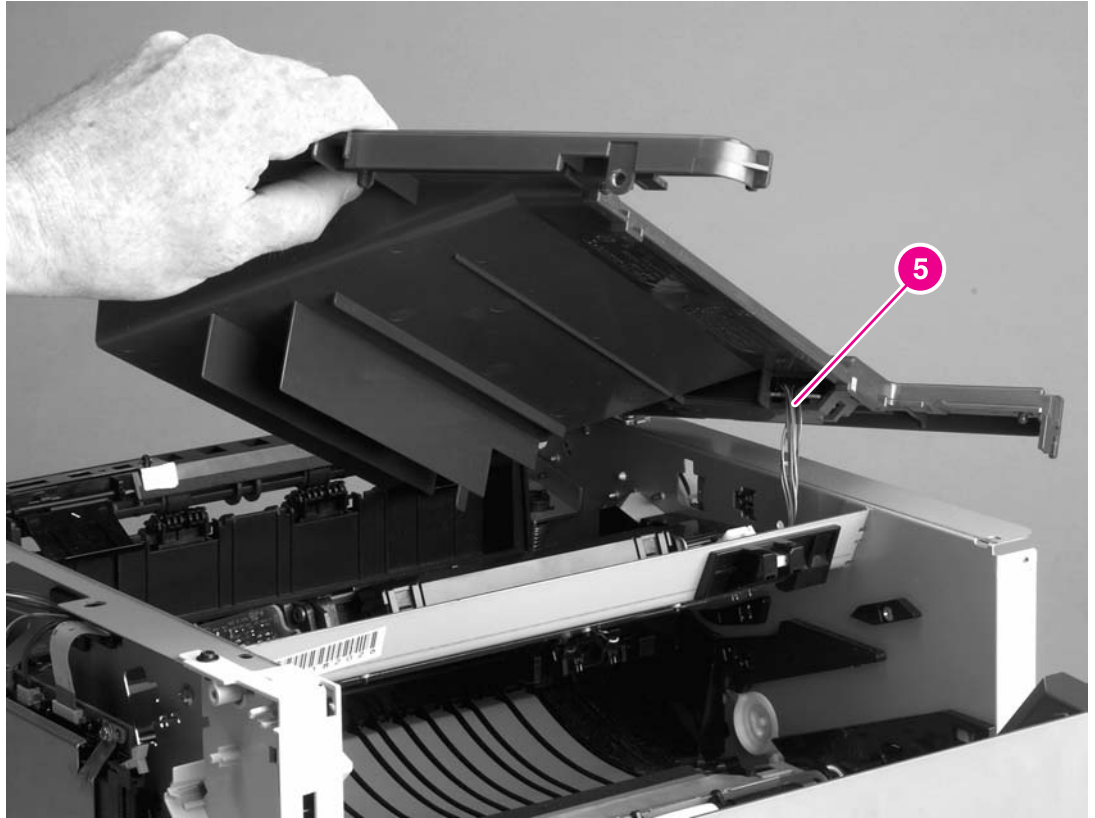

Figure 6-11.   **Removing the top cover (3 of 3)**

5. Lift the top cover off of the printer.

Fuser

Several parts must be removed before you can remove the fuser. The following parts are included in this section about removing the fuser:

- Fan
- Duplex-drive gears/face-down gears
- Duplex solenoid
- Fuser

Fan

1. Remove all covers (see Covers).
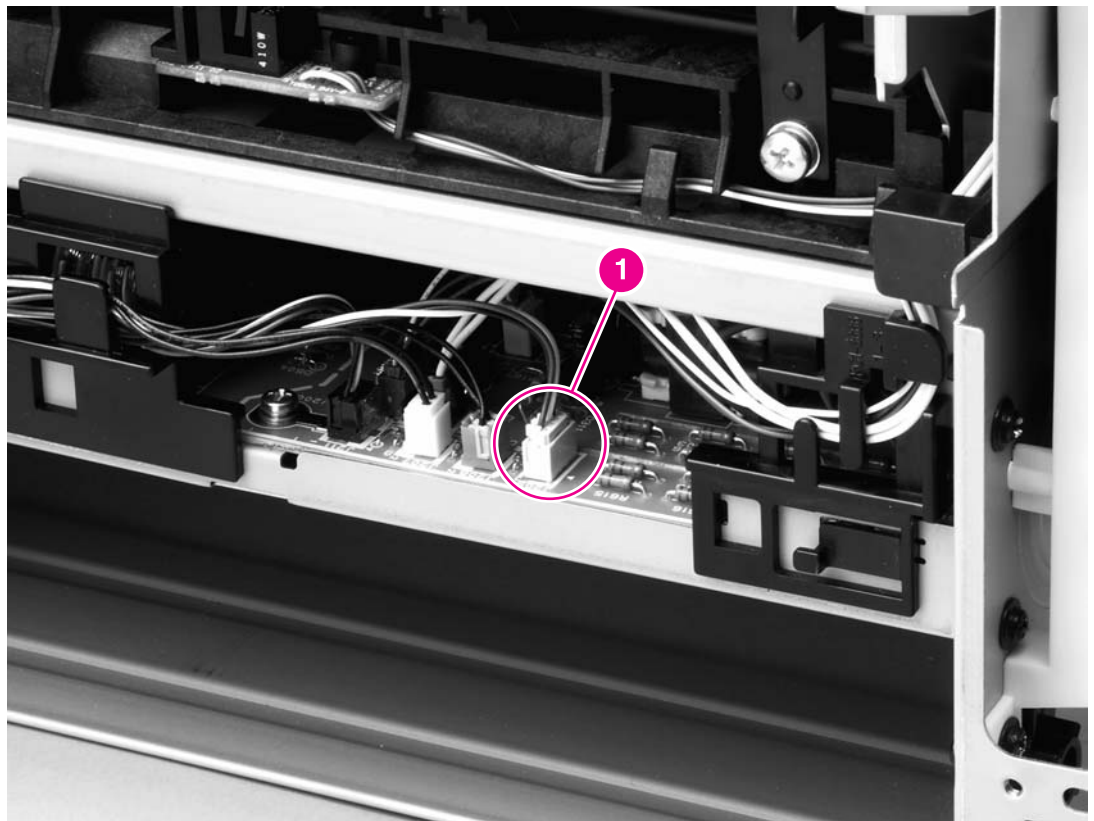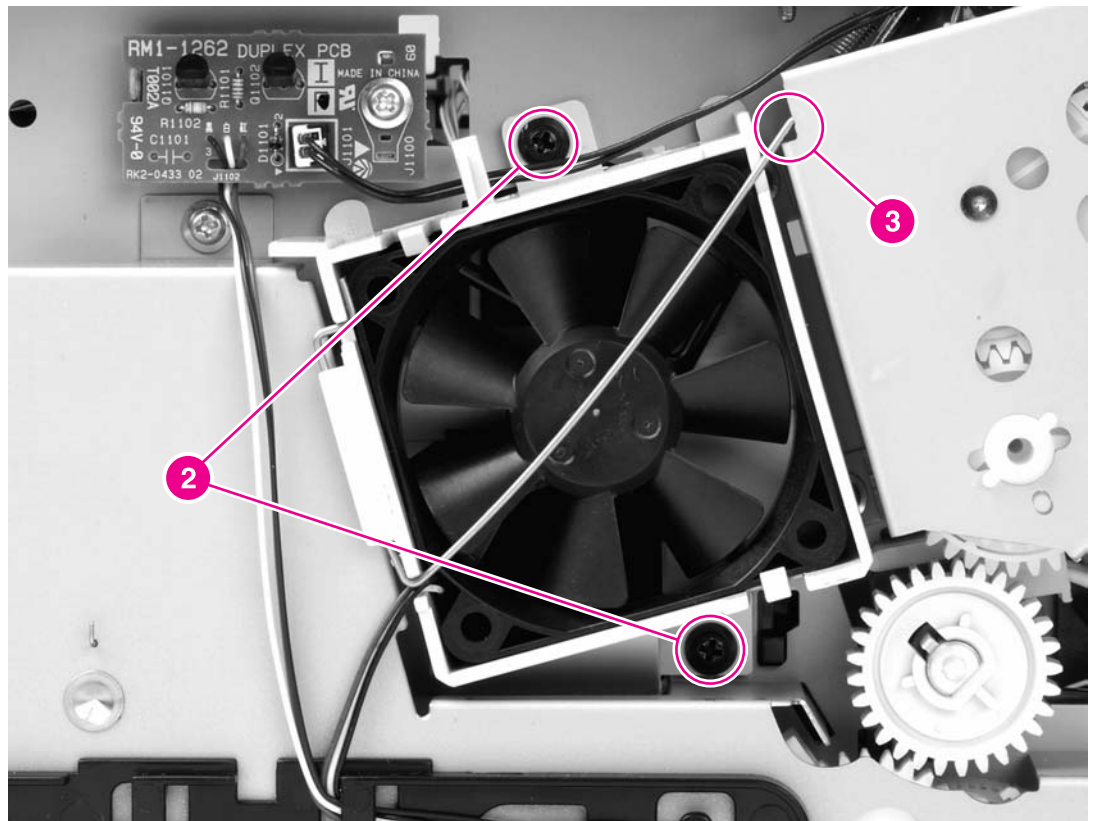2. Disconnect the fan cable (callout 1) at the ECU.

Figure 6-19.   **Removing the fan (1 of 2)**

3. Remove two screws (callout 2).

4. Unhook the fan clip (callout 3) and then lift the fan off of the printer.

Reinstallation tip

Use the fan clip to hold the fan in place before replacing the screws.

Duplex-drive gears/face-down gears

NOTE   HP LaserJet 1320 Series printers contain duplex-drive gears. HP LaserJet 1160 printers contain face-down gears.

1. Remove all covers (see Covers).

2. Remove the fan (see Fan).

3. Remove three screws (callout 1) and then lift the assembly away from the printer.

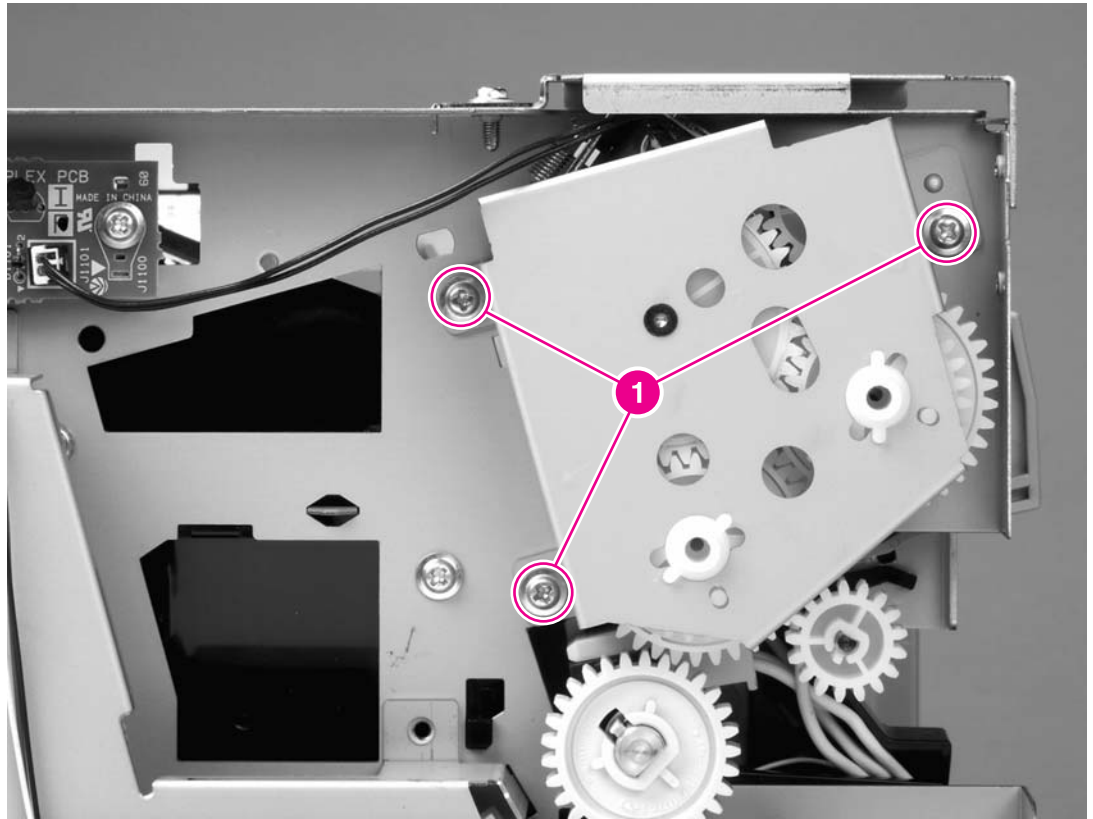**Figure 6-20.**   **Removing the duplex-drive gears/face-down gears**

NOTE   The gears are not attached to the gear plate. Carefully remove the gear plate and the gears together to prevent them from falling out of the assembly.

Reinstallation tip

You might find it easier to replace the assembly if you place the two large gear-sets into their holes on the chassis first, and then line up the holes in the gear plate with the gears as you replace the gear plate.

Figure 6-21. Duplex-drive gears (HP LaserJet 1320 Series printers) and Figure 6-22. Face-down gears (HP LaserJet 1160 printers) show the differences between duplex-drive gears and face-down gears. For HP LaserJet 1320 Series printers, make sure that you replace the gears as shown in Figure 6-21. Duplex-drive gears (HP LaserJet 1320 Series printers).
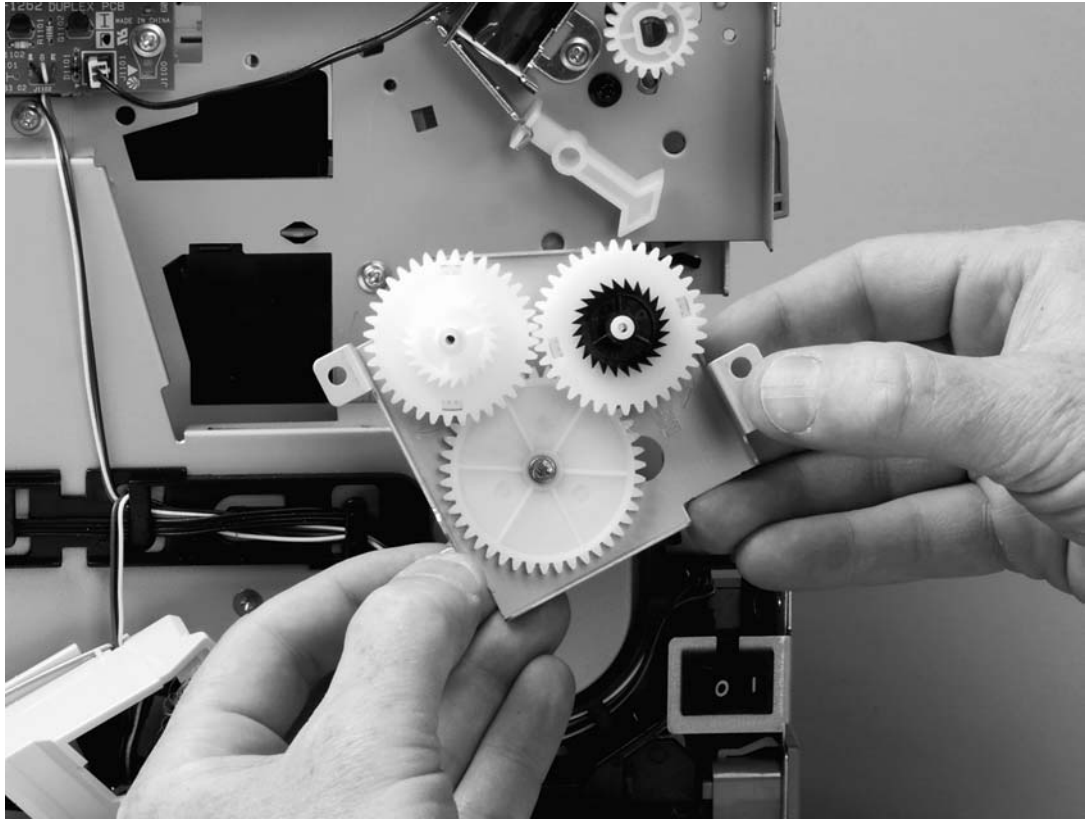

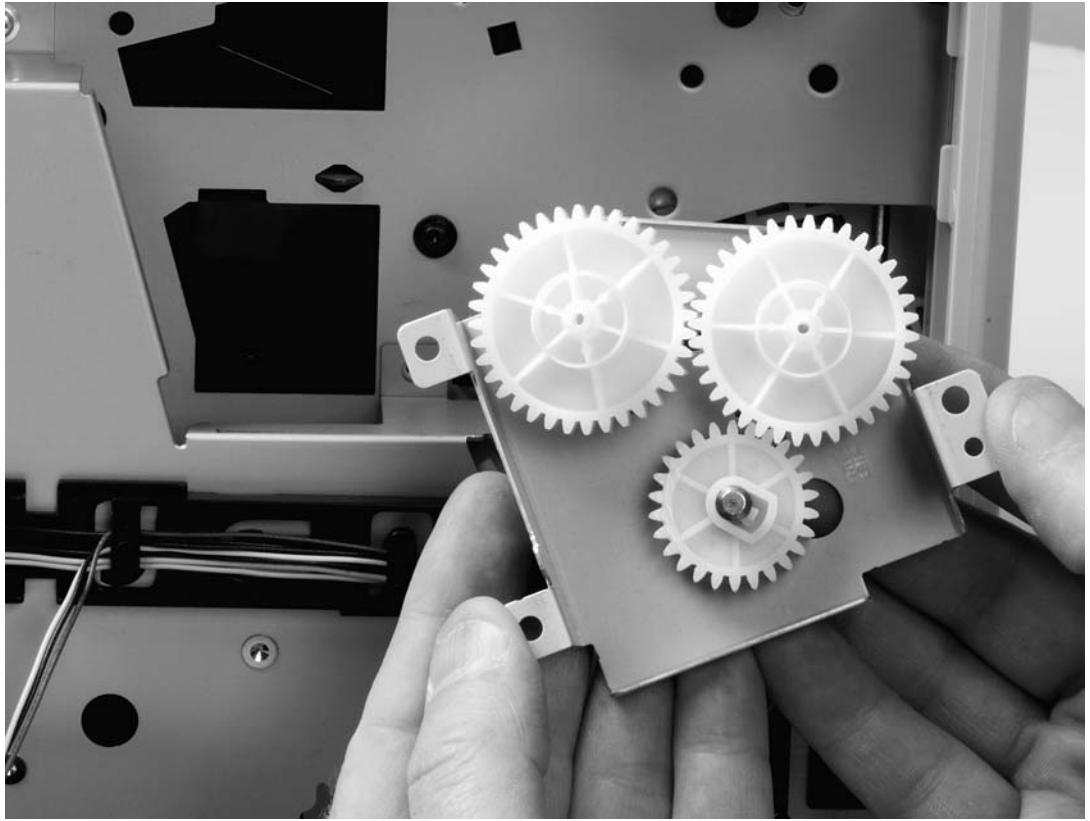**Figure 6-21.**   **Duplex-drive gears (HP LaserJet 1320 Series printers)**

Figure 6-22.   **Face-down gears (HP LaserJet 1160 printers)**

Duplex solenoid (SL3) (HP LaserJet 1320 Series printers only)

1. Remove all covers (see Covers).

2. Remove the fan (see Fan).

3. Remove the duplex-drive gears (see Duplex-drive gears/face-down gears).

4. Disconnect one cable (callout 1) at the duplex-drive PCA.

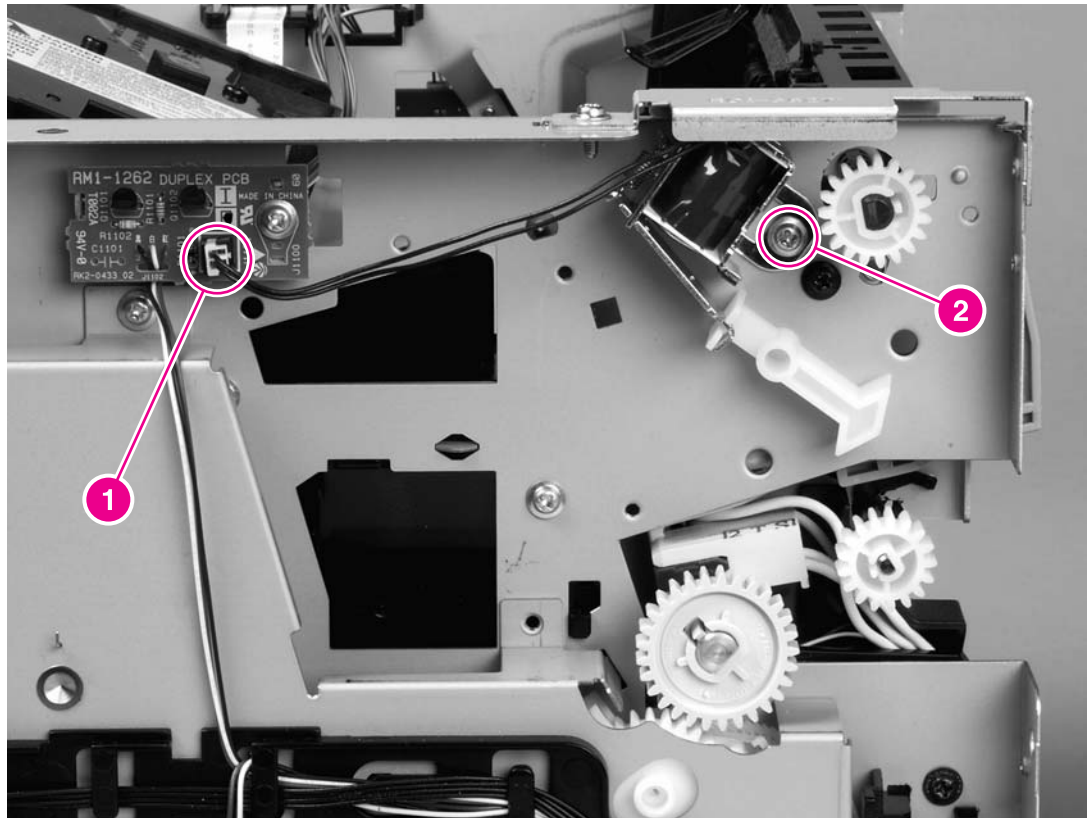5. Remove one screw (callout 2) and lift the solenoid off of the printer chassis.

Figure 6-23. **Removing the duplex solenoid**

Fuser

1. Remove all covers (see Covers).

2. Remove the fan (see Fan).

3. Remove the duplex-drive gears or face-down gears (see Duplex-drive gears/face-down gears).

4. Remove the formatter (see Formatter).

5. On the right side of the printer, press the tabs on two gears (callout 1) to release the gears, and then slide the gears off of the shafts.

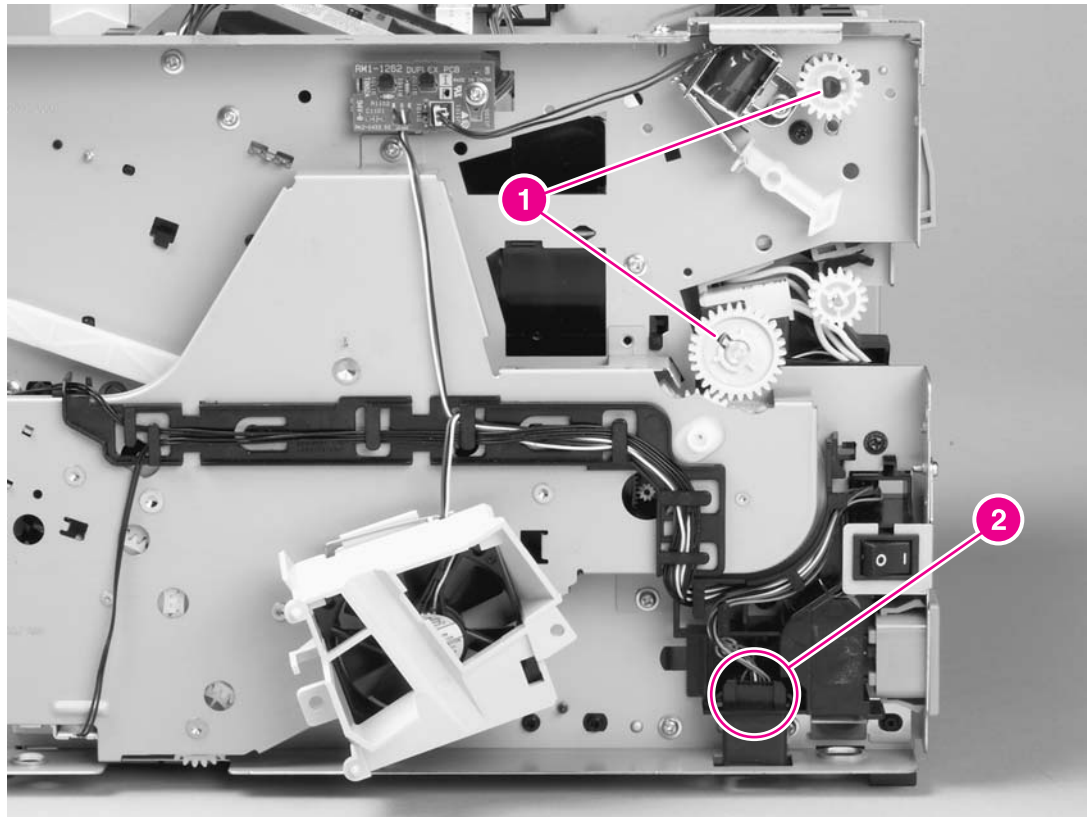6. Disconnect one cable (callout 2) on the right side of the printer.

Figure 6-24.   **Removing the fuser (1 of 10)**

7. Disconnect four cables (callout 3) from the ECU, and then disconnect two more cables (callout 4) that were behind the first set.
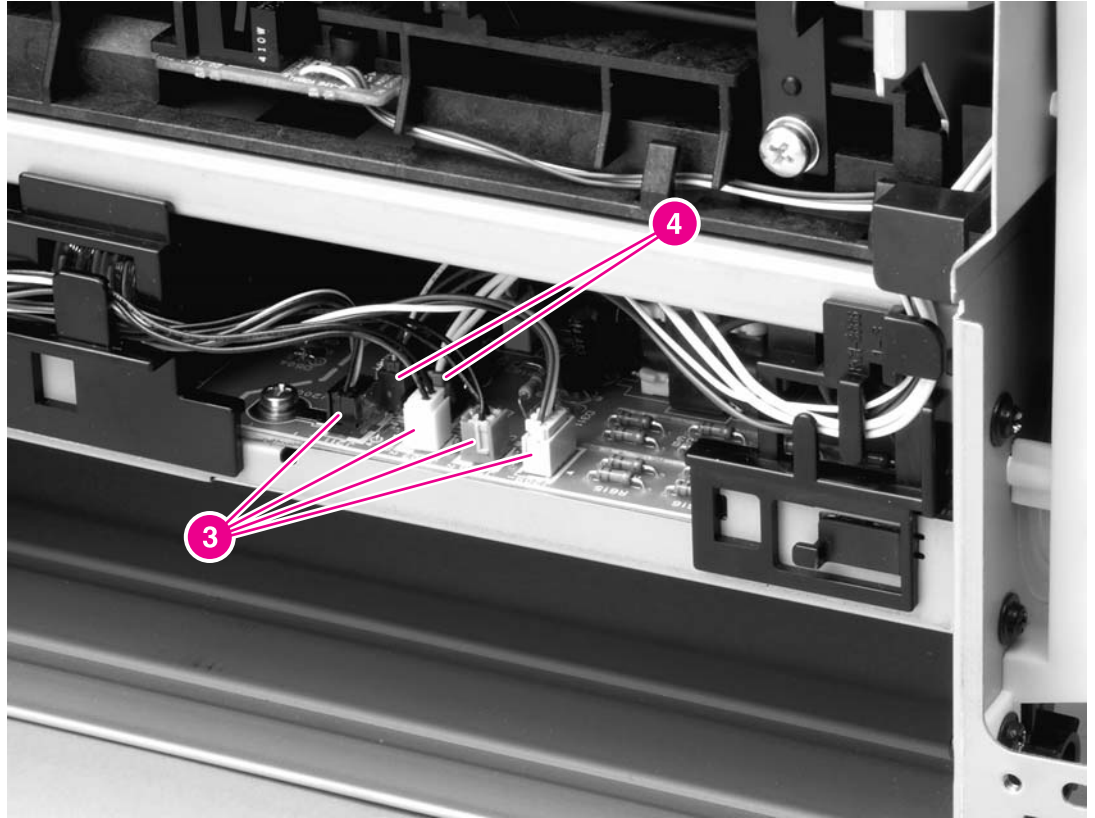

Figure 6-25. **Removing the fuser (2 of 10)**

8. Pull the tab on the cable holder (callout 5) at the left side of the printer and slide it toward the center to release it from the frame, and then unroute the cables.

9. Pull the tab on the cable holder (callout 6) at the right side of the printer and slide it toward the center to release it from the frame, and then unroute the cables.
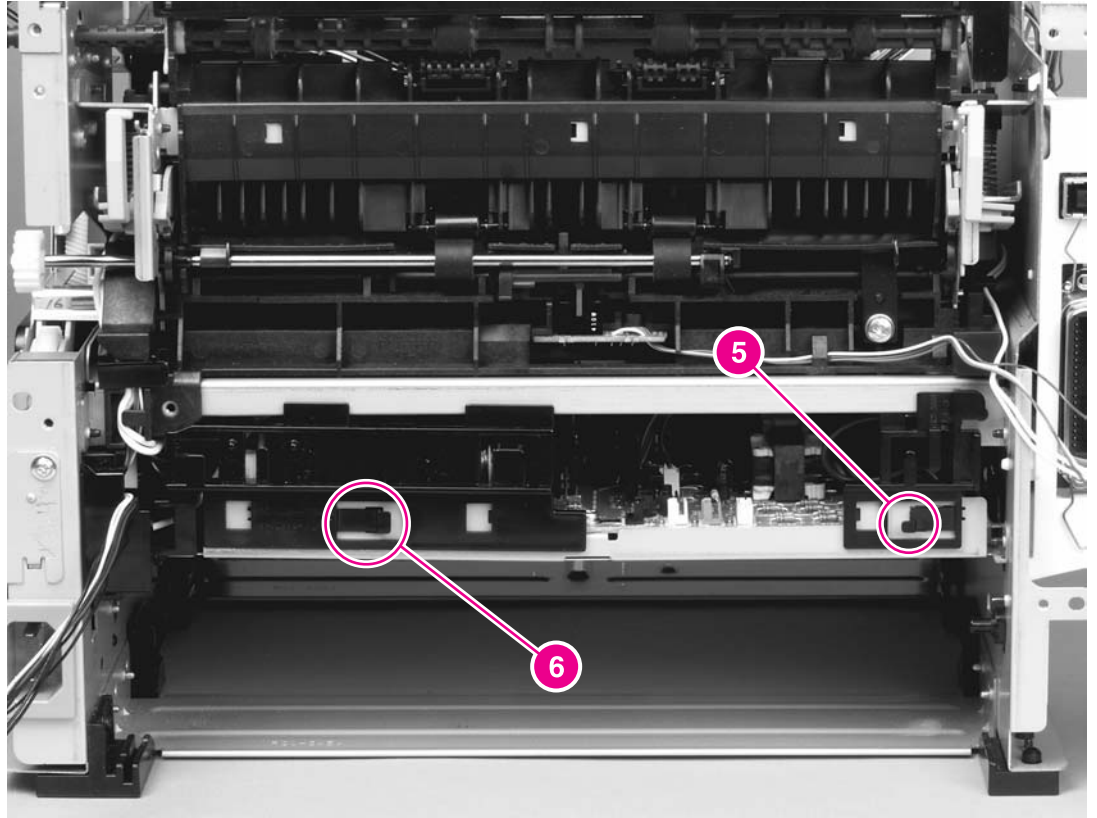

Figure 6-26.   **Removing the fuser (3 of 10)**
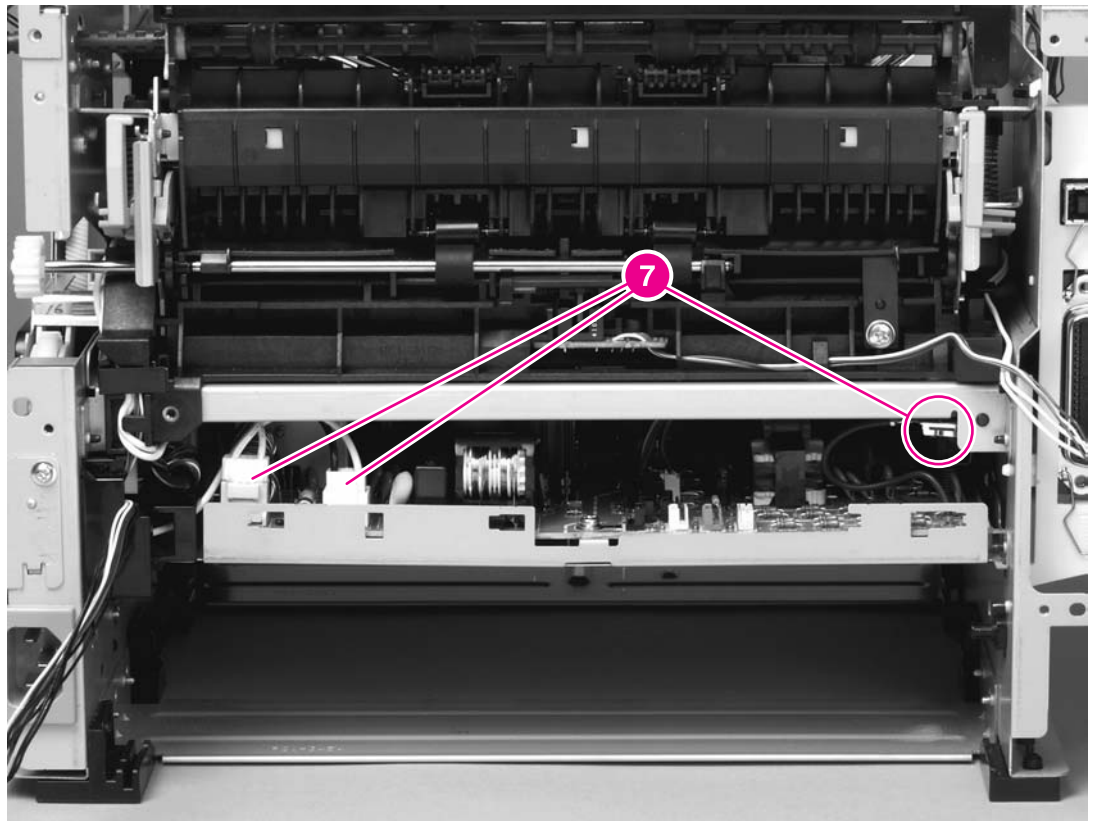
10. Disconnect three cables (callout 7).

Figure 6-27. **Removing the fuser (4 of 10)**

11. Pull the cable holder (callout 8) straight back to remove it, and then unroute the cables.
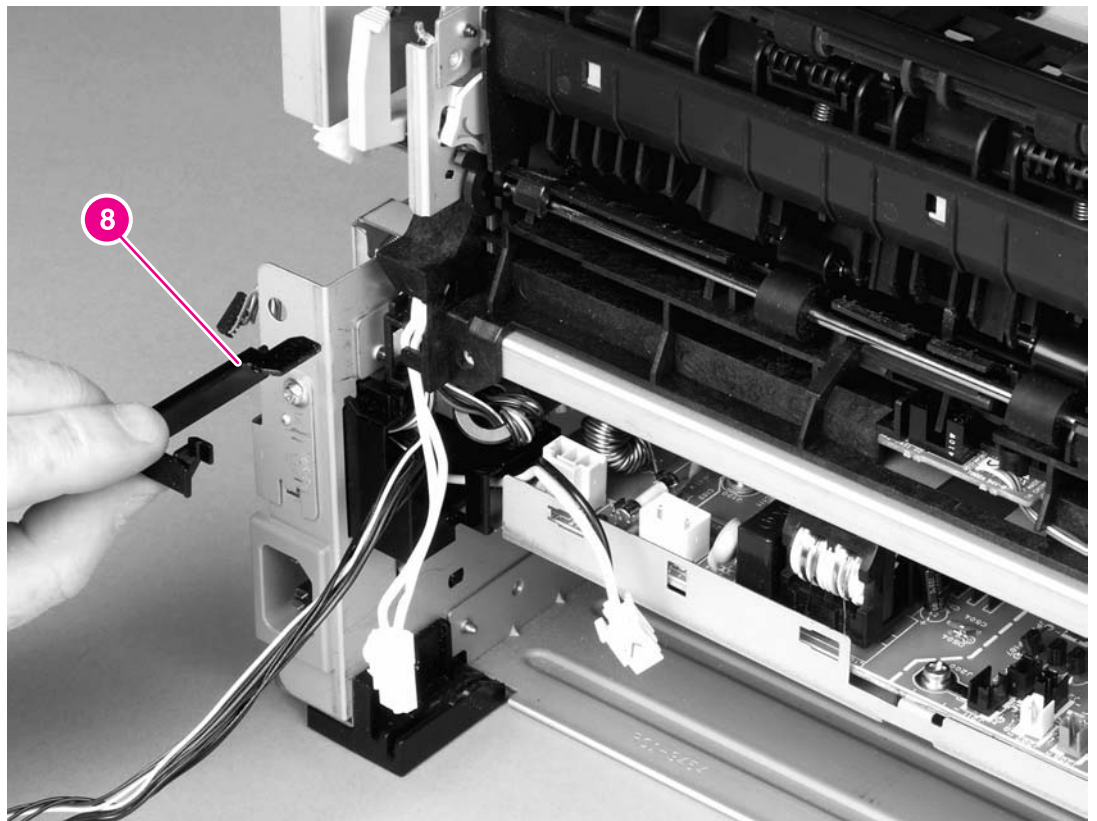

Figure 6-28. Removing the fuser (5 of 10)

Reinstallation tip

You might find it easier to reassemble the cables and the cable holder if you put the smaller cables back into place first.

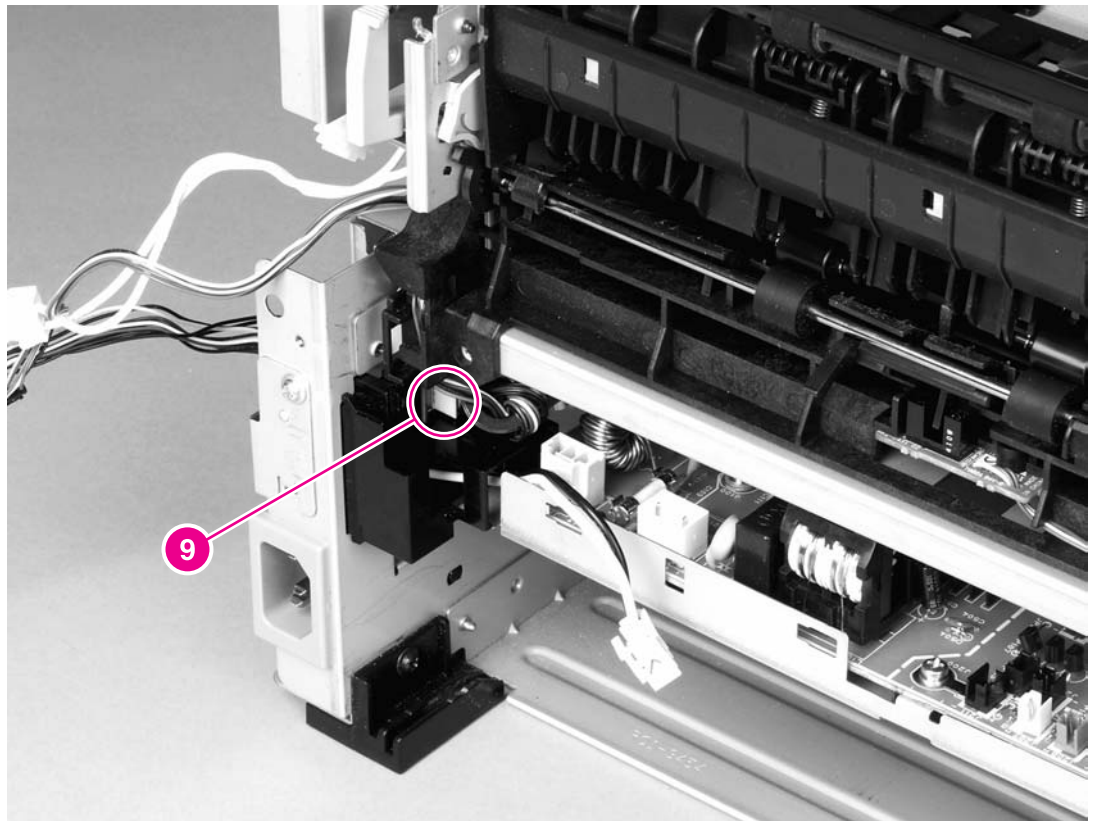12. Disconnect one cable (callout 9) and then unroute the cable from the cable guide.

Figure 6-29.   **Removing the fuser (6 of 10)**

NOTE   Before you proceed to step 13, make sure that all cables disconnected in previous steps are free from any cable guides and cable holders.

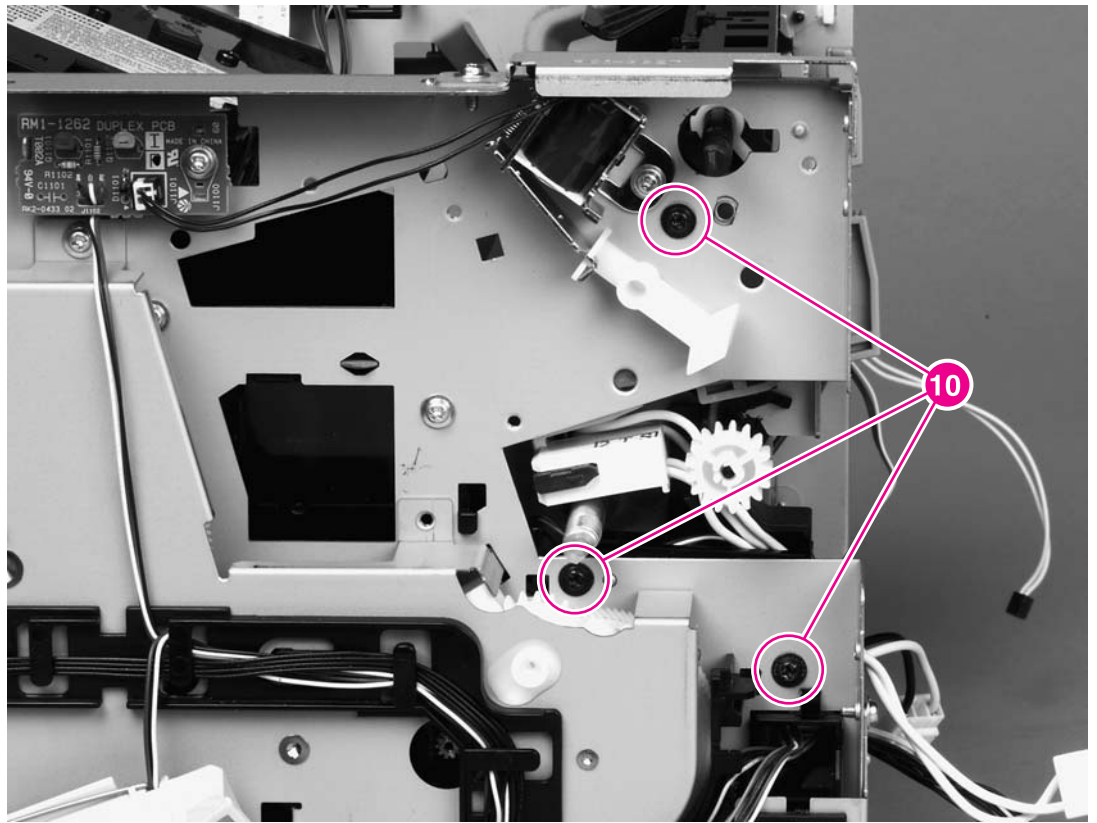13. Remove three screws (callout 10) on the right side of the printer.

Figure 6-30. Removing the fuser (7 of 10)

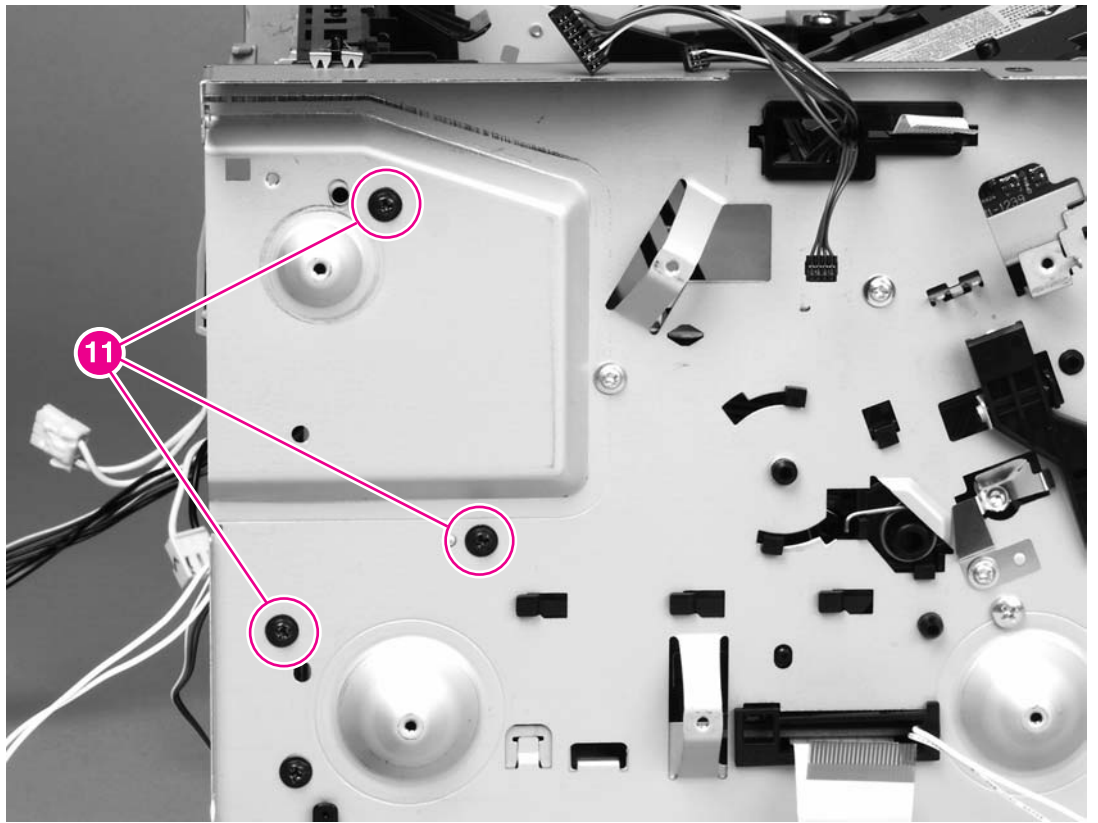14. Remove three screws (callout 11) from the left side of the printer.

Figure 6-31. **Removing the fuser (8 of 10)**

15. At the left side of the printer, pull the printer chassis from the top to spread the printer frame and release the fuser from the frame.
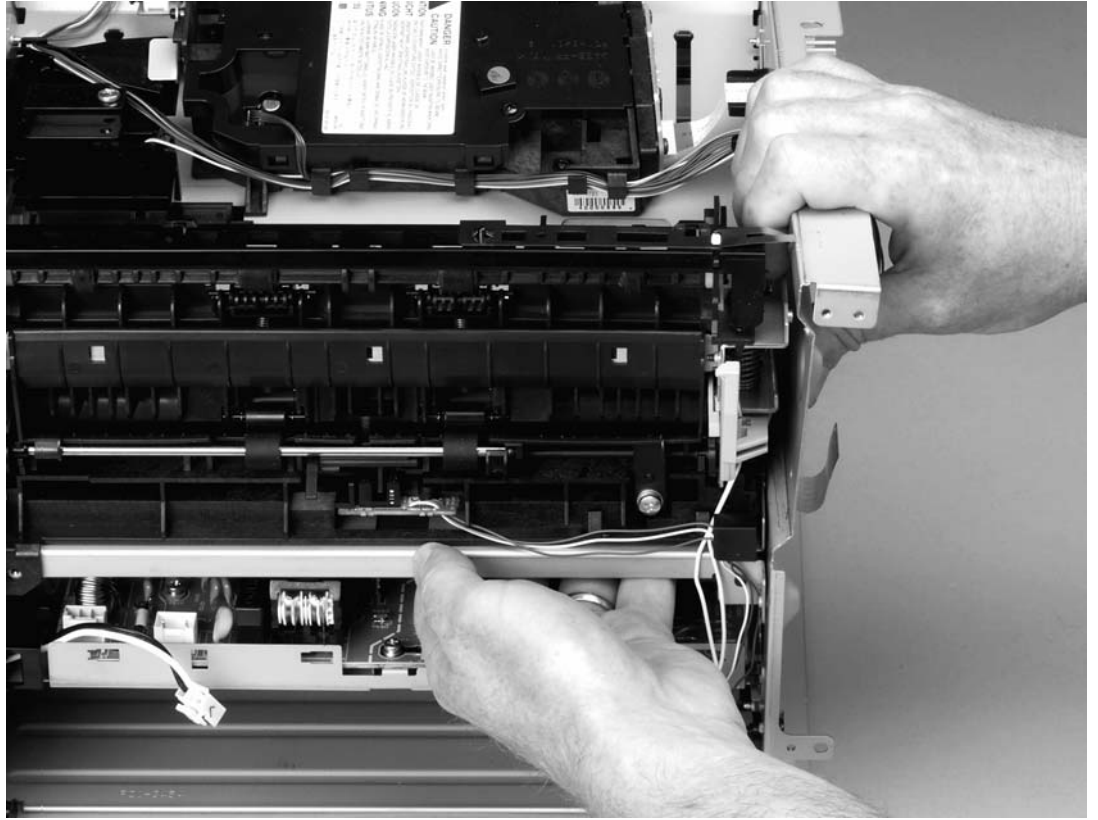

Figure 6-32. **Removing the fuser (9 of 10)**

16. Pull the fuser out of the printer at an angle so that the delivery roller shaft clears the hole (callout 12) in the chassis.
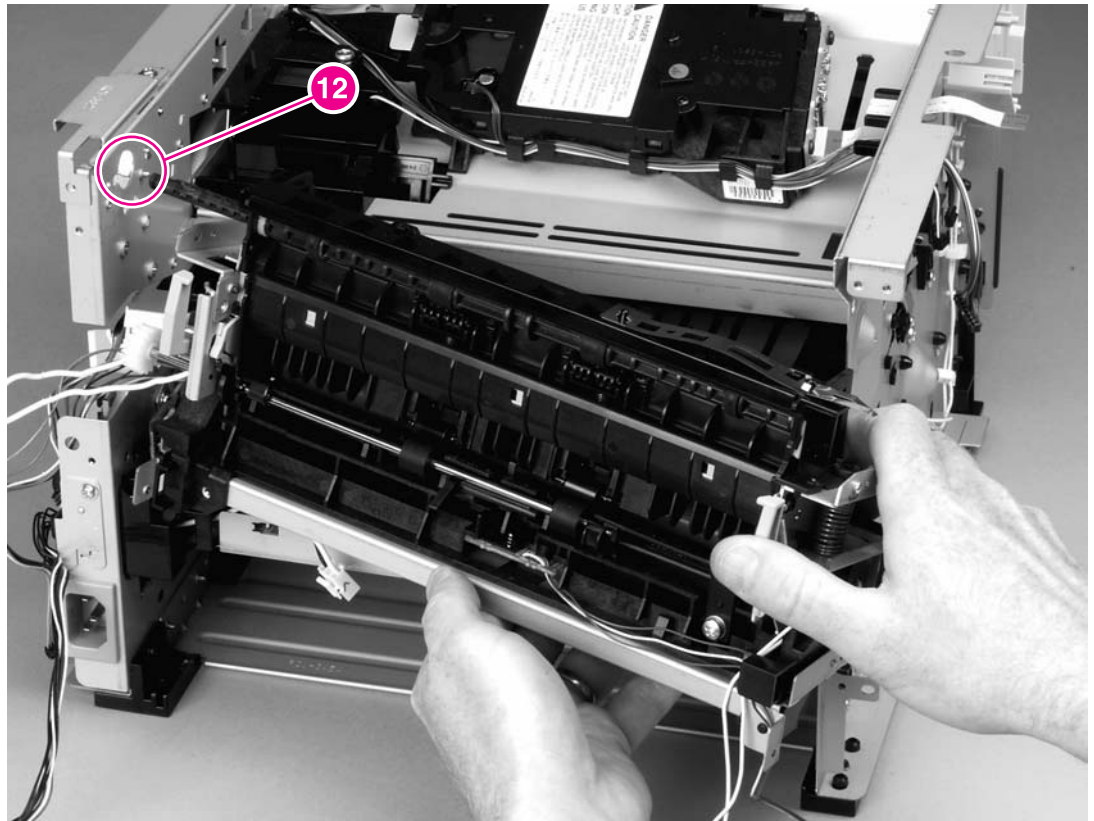

Figure 6-33. Removing the fuser (10 of 10)