

6

Removal and replacement

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Introduction

Removal and replacement strategy

This chapter documents removal and replacement of most field replaceable units (FRUs).

Replace parts in the reverse order of their removal. Directions for difficult or critical replacement procedures are included.

Remove the following components before removing or replacing assemblies and parts:

- finishing device
- print cartridge
- ADF output bin

Before removing or replacing assemblies and parts:

- make sure the printer is turned off
- disconnect all cables and cords

WARNING!

Exercise caution when working on the MFP. The MFP can have sharp sheet-metal edges.

Note

Note the lengths, diameters, and locations of screws. Be sure to return each screw to its original location during reassembly.

Incorrectly routed or loose wire harnesses can interfere with other internal components and can become damaged or broken. Frayed or pinched harness wires can be difficult to locate. When replacing wire harnesses, always use the provided wire loops, lance points, or wire-harness guides.

Note

Always remove the print cartridge before removing or replacing assemblies and parts.

IMPORTANT: Put the print cartridge in the original print cartridge bag, or, if the bag is not available, cover it with a piece of paper. Light can damage the print cartridge.

Electrostatic discharge

CAUTION

The MFP contains parts that are sensitive to electrostatic discharge (ESD). Always service the MFP at an ESD-protected workstation, or use an ESD mat.



Watch for the ESD symbol (shown at left) to identify the parts that are sensitive to ESD. Protect these parts by using an ESD wrist strap and protective ESD pouches.

Required tools

The following tools are needed to service this MFP:

- #2 Phillips screwdriver with magnetic tip
- Small flatblade screwdriver
- Small needle-nose pliers
- ESD mat
- Penlight

CAUTION

A PoziDriv screwdriver will damage screw heads on the MFP. Be sure to use a #2 Phillips screwdriver.

External covers

Control panel (HP LJ 9000mfp/9000Lmfp)

- 1 Open the ADF unit.
- 2 Insert a small flatblade screwdriver in the slot (callout 1) and pry off the overlay. Repeat for the other side.



Figure 55. Control panel (HP LJ 9000mfp/9000Lmfp) (1 of 3)

- 3 Insert a small flatblade screwdriver in the notch on the side of the control panel and press the tab (callout 2) while lifting the control panel. Repeat for the other side.

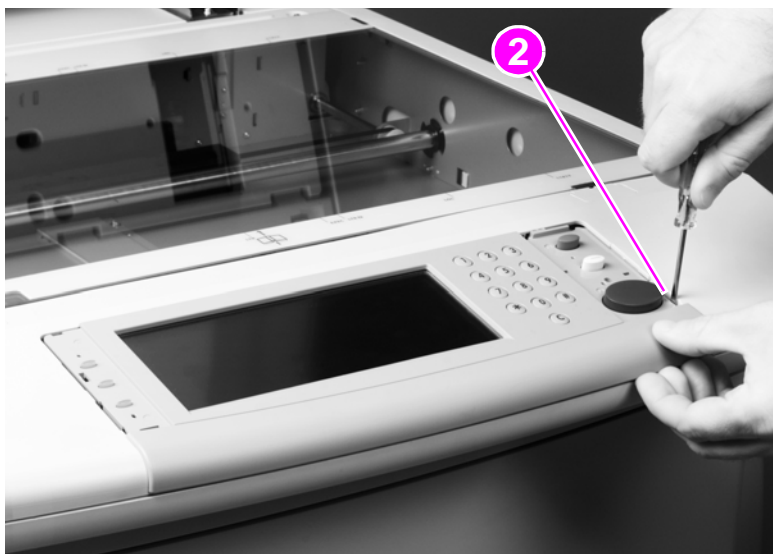


Figure 56. Control panel (HP LJ 9000mfp/9000Lmfp) (2 of 3)

- 4 Disconnect the connector (callout 3) from the control panel and remove the panel.

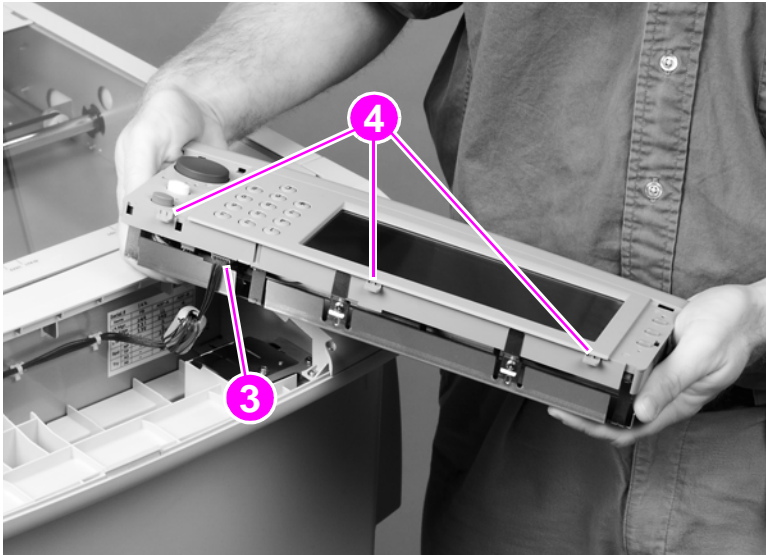


Figure 57. Control panel (HP LJ 9000mfp/9000Lmfp) (3 of 3)

To reinstall

Make sure the three alignment tabs (callout 4) are in the slots before completely installing the control panel.

Control panel (HP LJ 9040mfp/9050mfp/9500mfp)

- 1 Open the ADF unit.
- 2 Insert a small flatblade screwdriver in the slot (callout 1) and pry off the overlay. Repeat for the other side.

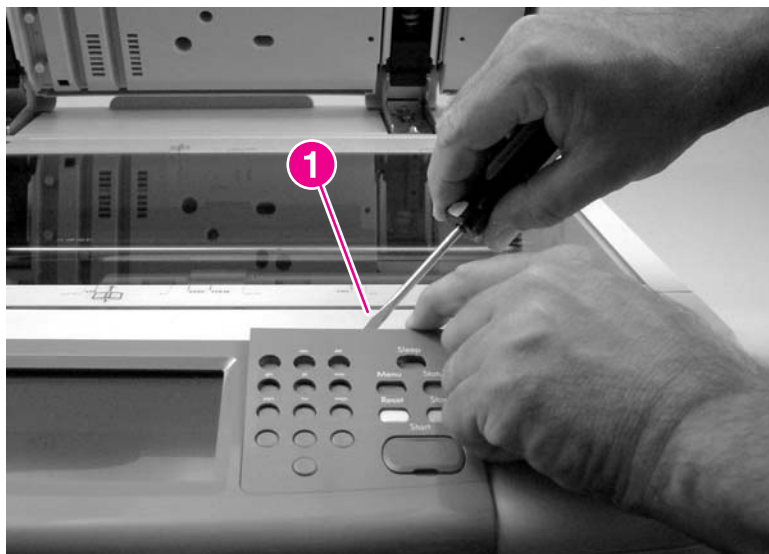


Figure 58. Control panel (HP LJ 9040mfp/9050mfp/9500mfp) (1 of 3)

- 3 Insert a small flatblade screwdriver in the notch on the side of the control panel and press the tab (callout 2) while lifting the control panel. Repeat for the other side, and then disconnect the connector on the back of the control panel.

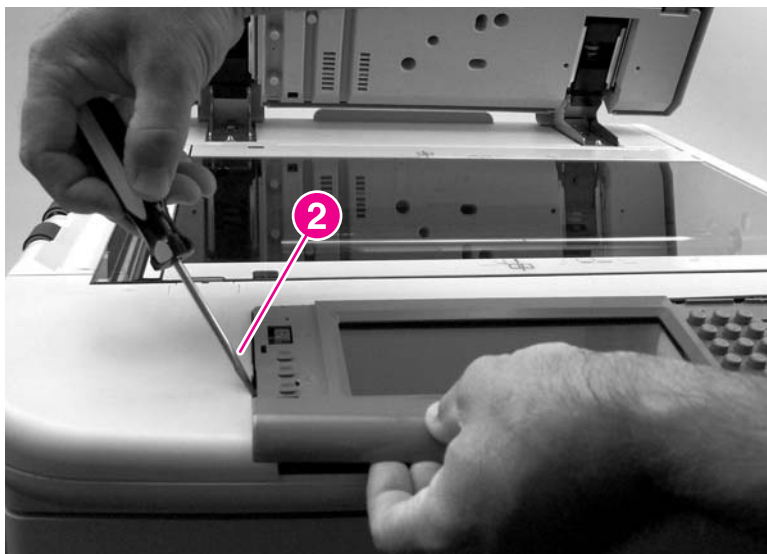


Figure 59. Control panel (HP LJ 9040mfp/9050mfp/9500mfp) (2 of 3)

To reinstall

Make sure the three alignment tabs (callout 4) are in the slots before completely installing the control panel.

ADF feeder cover

- 1 Open the ADF feeder.
- 2 Remove two screws (callout 1).
- 3 Pull the ADF feeder cover away from the MFP to disengage two round tabs (callout 2).

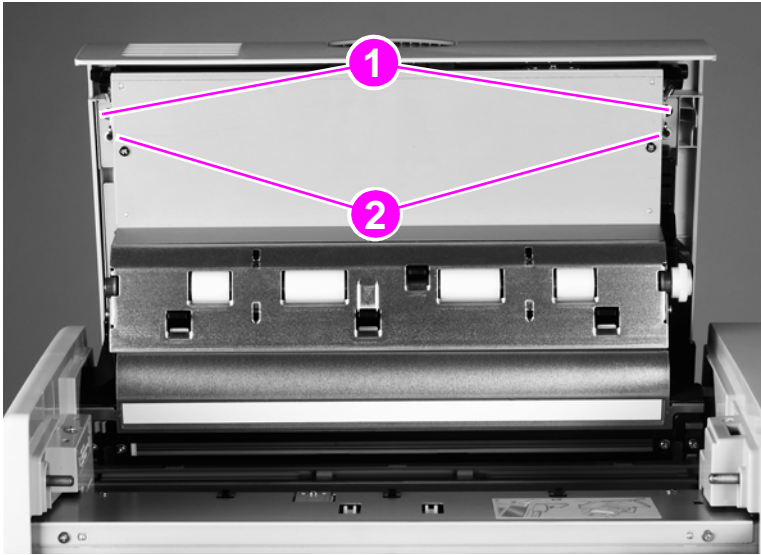


Figure 60. ADF feeder cover (1 of 3)

- 4 Push the ADF feeder cover downward to disengage four claws (callout 3) (two on the right side are shown).

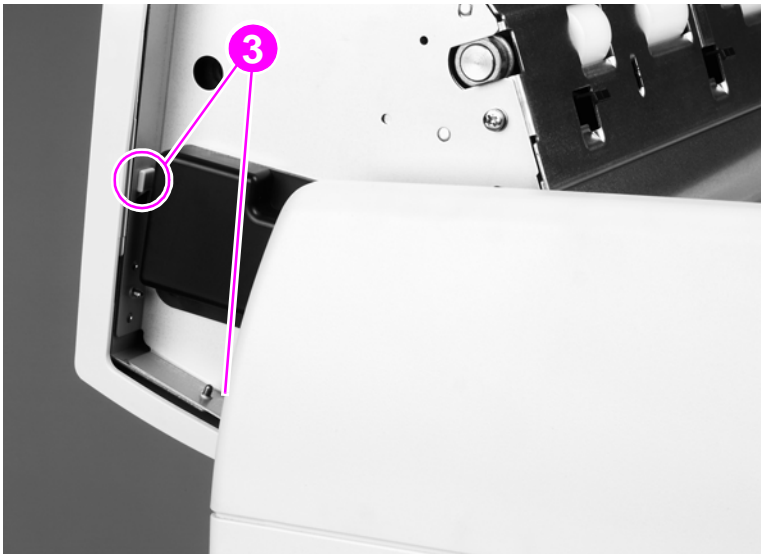


Figure 61. ADF feeder cover (2 of 3)

- 5 Pull the bottom of the ADF feeder cover out (callout 4).
- 6 Squeeze the ADF feeder cover handle (callout 5) to release the attaching tabs (not visible).
- 7 Lift off the cover to remove it.

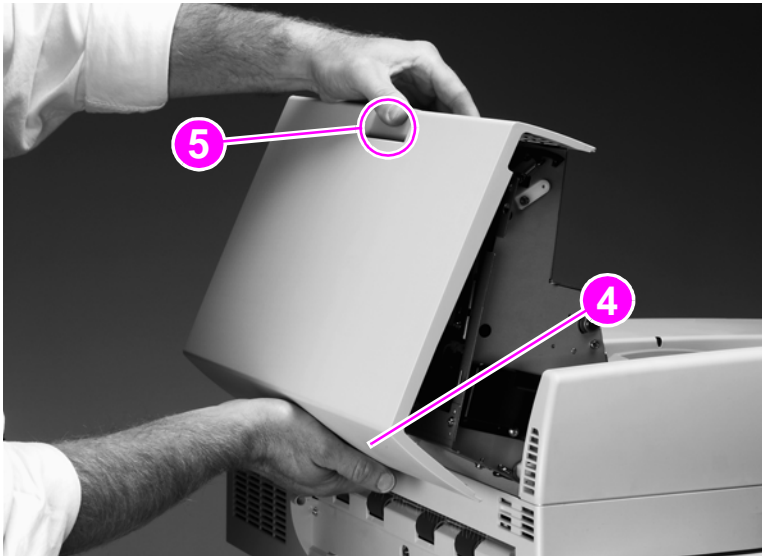


Figure 62. ADF feeder cover (3 of 3)

To reinstall

Reinstall the cover on the handle, and then reinsert the four claws. Make sure that all four claws are aligned in the slots before closing the feeder cover or the cover will break.

ADF feeder cover handle

- 1 Remove the ADF feeder cover. See page 151.
- 2 Remove two springs (callout 1) (one on the right side is shown).
- 3 Remove the latch (callout 2).

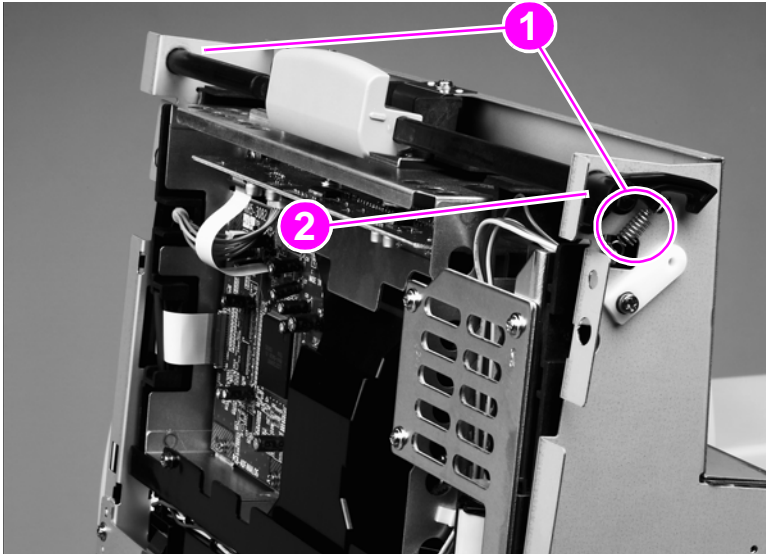


Figure 63. ADF feeder cover handle (1 of 2)

- 4 Slide the shaft to the left and tilt the right end up.
- 5 Slide the handle (callout 3) off to the right and pull the shaft to the left to remove it.

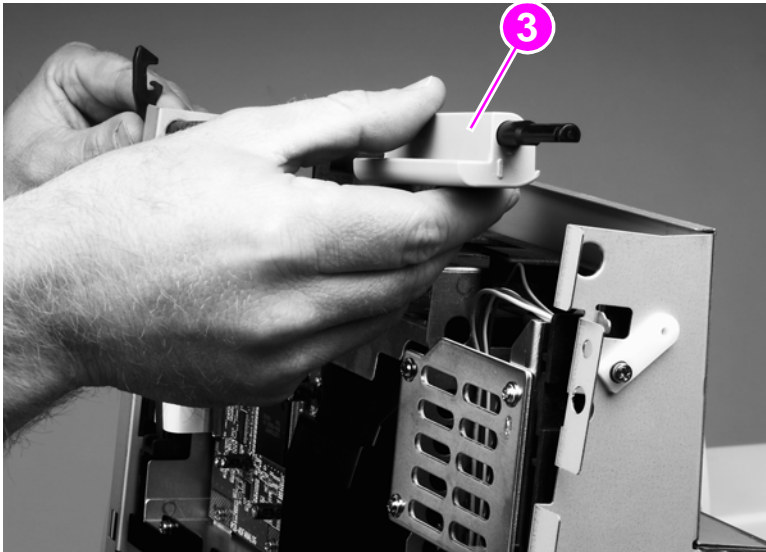


Figure 64. ADF feeder cover handle (2 of 2)

ADF back cover

Note

Your MFP might appear different than the one shown in the following procedure. The print engine shown here is the HP LaserJet 9000mfp/9000Lmfp.

- 1 Open the ADF feeder.
- 2 Remove two external screws (callout 1) and one internal screw (callout 2).

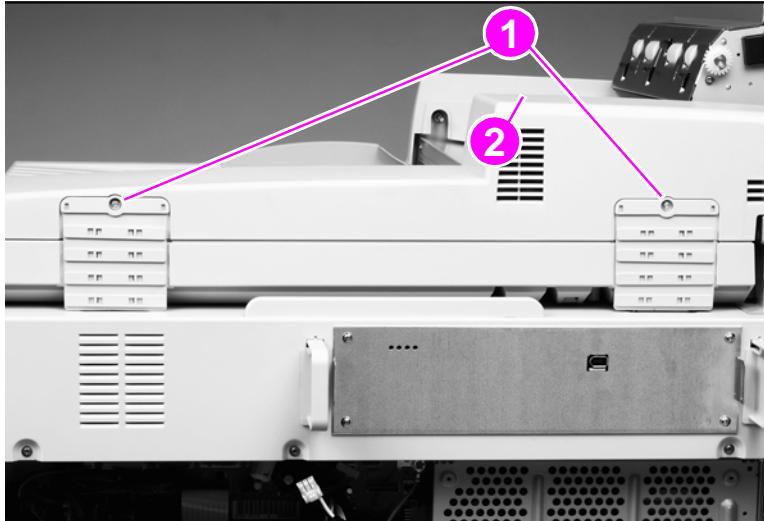


Figure 65. ADF back cover (1 of 2)

- 3 Tilt the ADF back cover up to disengage two claws (not visible) (callout 2) and lift to remove the cover.

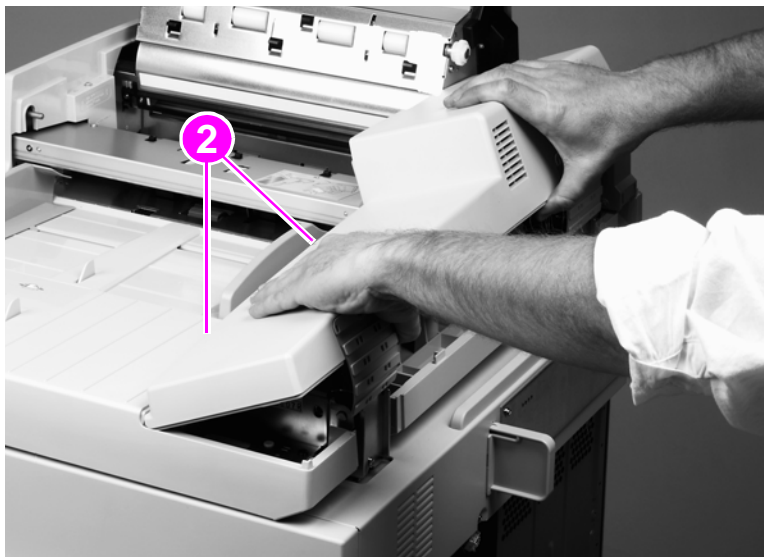


Figure 66. ADF back cover (2 of 2)

Note

Do *not* pull on the flap (hinge) that is on the hinge covers.

ADF front cover

- 1 Remove one screw (callout 1).
- 2 Slightly lift the ADF front cover, and slide the cover to the left to disengage two claws (not visible). Lift to remove the cover.

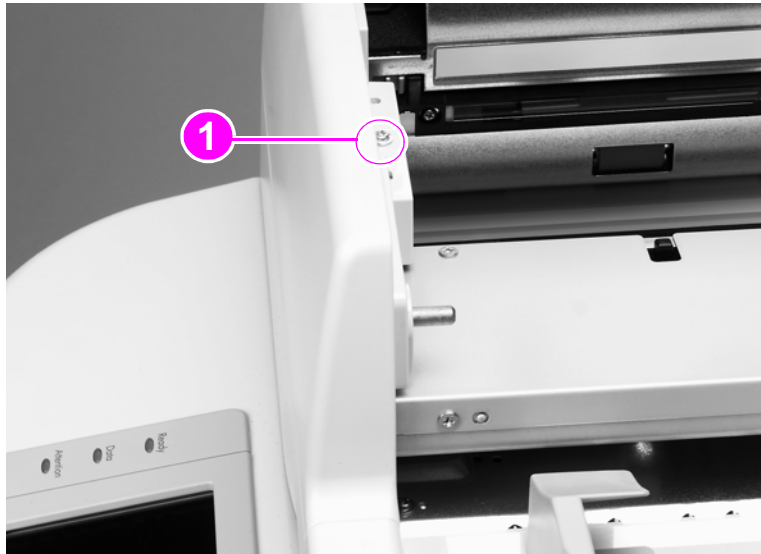


Figure 67. ADF front cover

Lower delivery roller cover

- 1 Open the ADF unit.
- 2 Pull the delivery roller cover to disengage two claws (marked with arrows) (callout 1), and then lift to remove the cover.

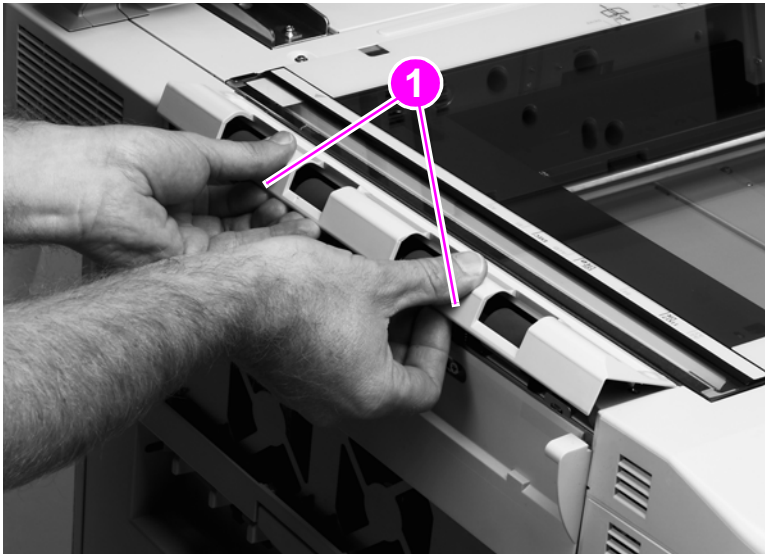


Figure 68. Delivery roller cover

To reinstall

Make sure that all three tabs are aligned in the slots before pressing the cover back into place.

CAUTION Do *not* put tools on the glass when the glass is exposed.

White board cover

- 1 Open the ADF unit.
- 2 Remove two shoulder screws (callout 1).
- 3 Use a small flatblade screwdriver to pry up the outer skin at the slot (callout 2) to disengage the claw (callout 3).
- 4 Tilt out and lift the cover to remove it.

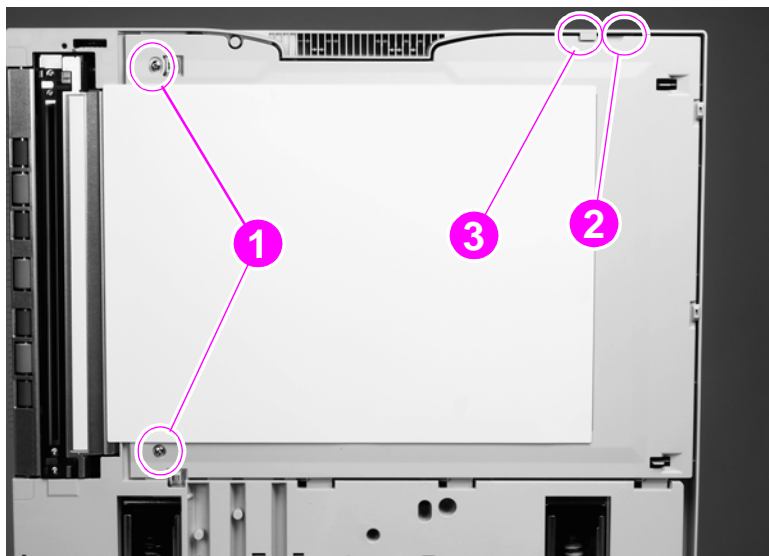


Figure 69.

White board cover

Copy processor/connect board

Note

The copy processor board shown in the following procedure is for the HP LaserJet 9000mfp/9000Lmfp. The copy connect board for the HP LaserJet 9040/950/9500mfp looks different, but is removed and installed the same way as the copy processor board.

- 1 Squeeze the tabs on the bumpers (callout 1) and pull out to remove the bumpers (HP LJ 9000mfp only).
- 2 Remove four screws (callout 2).

CAUTION

When removing or installing the copy processor/connect board, do not drag the top of the board along the RFI fingers at the top of the slot. Doing so will damage the copy processor/connect board components.

- 3 Gently pull the copy processor/connect board out to remove it.

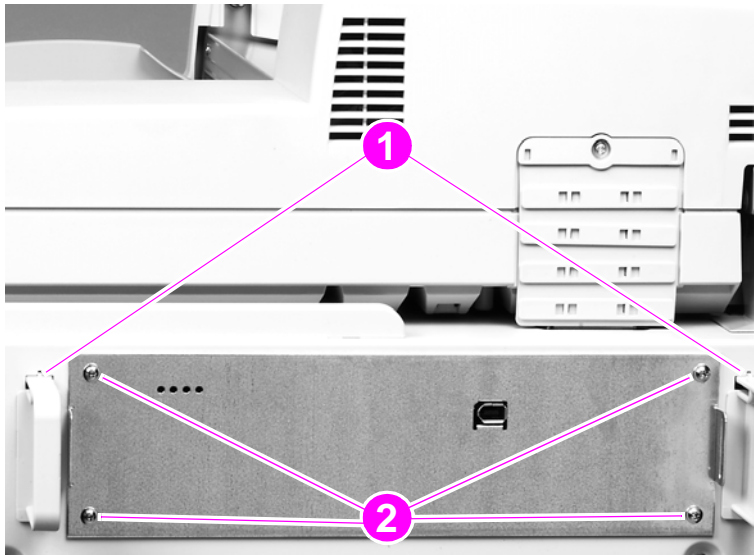


Figure 70. Copy processor board (HP LJ 9000mfp/9000Lmfp shown)

To reinstall

Align the copy processor/connect board with the rails and slide the board into the slot. When the board reaches the end of the slot, slightly angle the board, lifting the connector end, and push to engage.

Push in on both sides of the board to make sure it is fully seated.

Flatbed rail cover

- 1 Open the ADF unit.
- 2 Remove two screws (callout 1).
- 3 Lift off the flatbed rail cover.

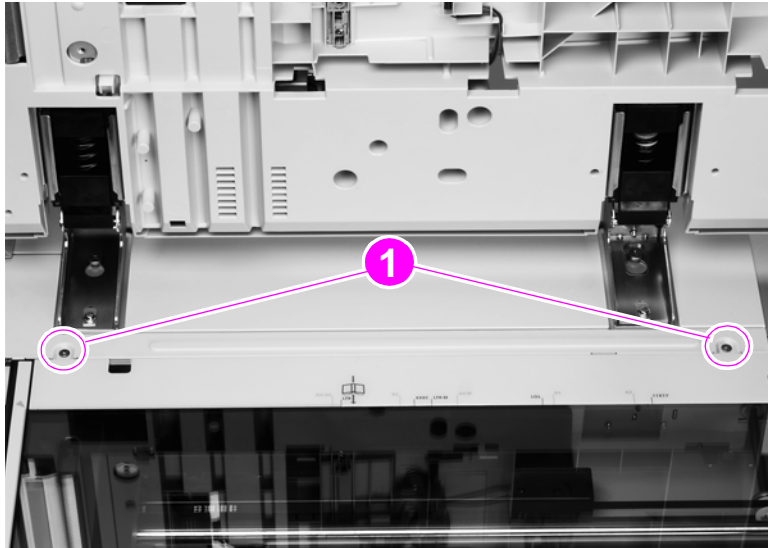


Figure 71. Flatbed rail cover

Flatbed back cover

- 1 Remove the copy connect board. See page 158.
- 2 Remove the print engine back cover. See the HP LaserJet 9000 and 9050mfp Printer Service manual for removal instructions.
- 3 Remove three screws (callout 1).

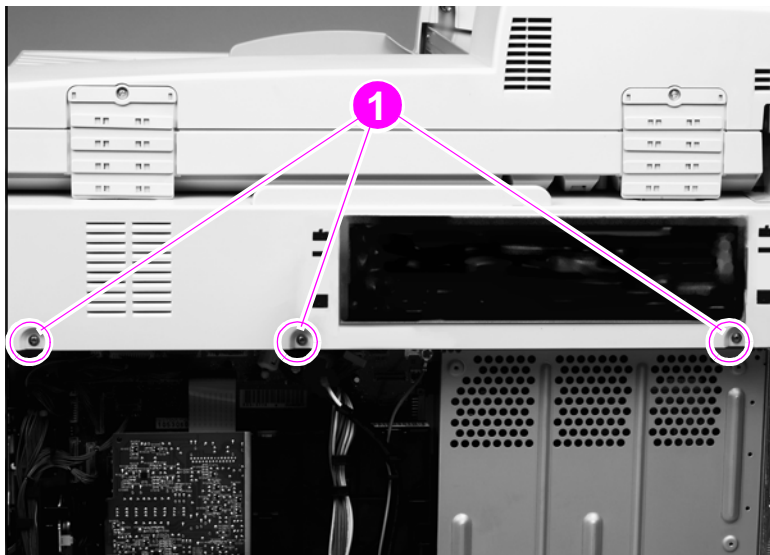


Figure 72. Flatbed back cover (1 of 2)

- 4 Open the ADF unit.
- 5 Remove the flatbed rail cover. See page 159.
- 6 Remove four screws (callout 2).
- 7 Slide the flatbed back cover toward the back of the MFP to remove it.

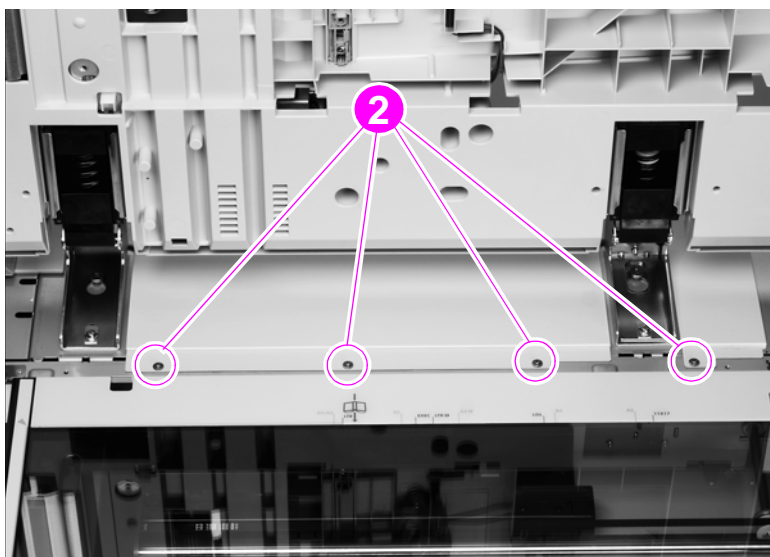


Figure 73. Flatbed back cover (2 of 2)

Flatbed right cover

- 1 Remove one screw (callout 1).

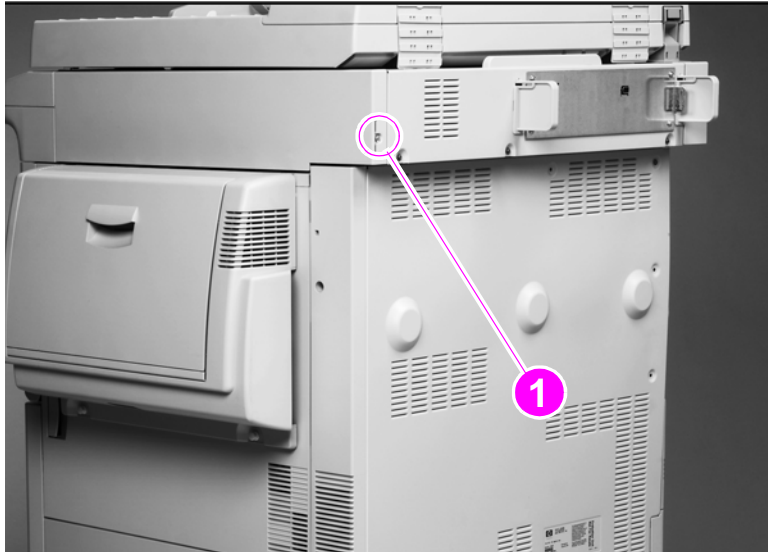


Figure 74. Flatbed right cover (1 of 2)

- 2 Open the ADF unit.
- 3 Open the door on the right side of the print engine.
- 4 Pull out the cover (callout 2) and slide it toward the back of the MFP to remove it. See the hint and Figure on page 161.

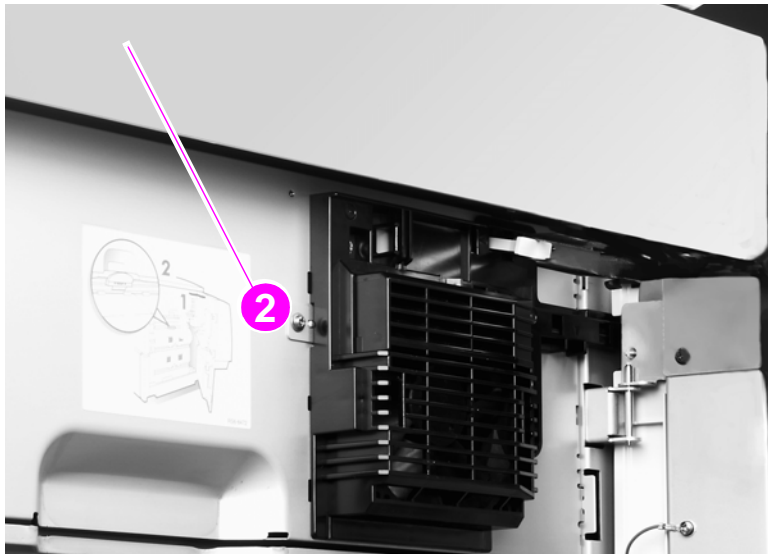


Figure 75. Flatbed right cover (2 of 2)

Hint

Look through the glass to see the tab and claws that you are disengaging.

To reinstall

Align and engage the top claws before completely seating the cover.

Flatbed left cover

- 1 Open the ADF unit.
- 2 Remove the lower delivery roller cover. See page 156.
- 3 Remove two screws (callout 1).

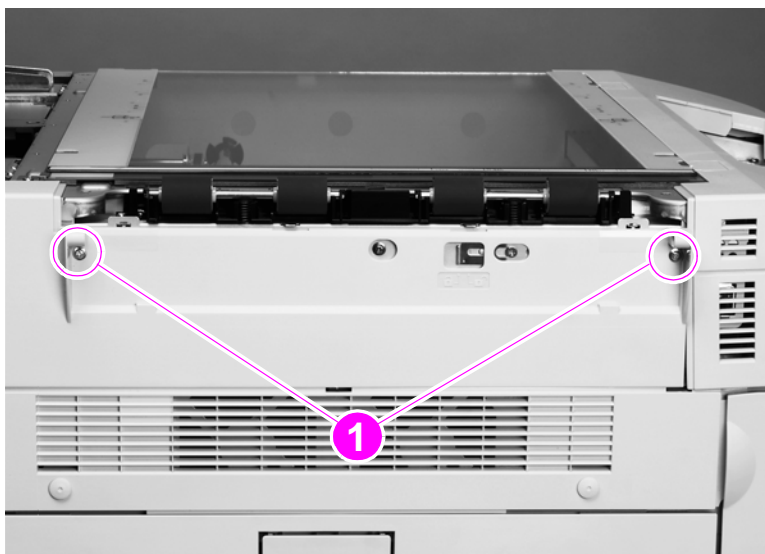


Figure 76.

Flatbed left cover (1 of 2)

- 4 Insert a small flatblade screwdriver into the slot (callout 2).
- 5 Slide the screwdriver toward the front of the MFP until the screwdriver is aligned with the lock (callout 3), and pry outward to disengage one tab (not visible).
- 6 Slide the cover toward the back of the scan engine and remove it.

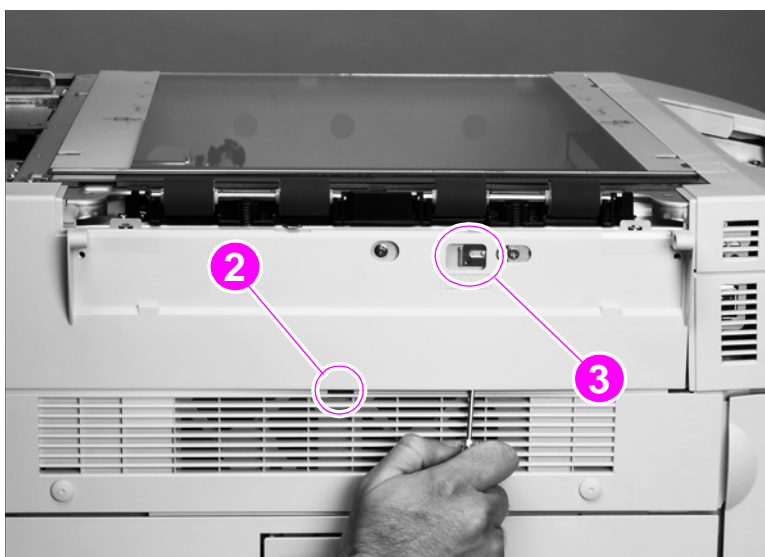


Figure 77.

Flatbed left cover (2 of 2)

Flatbed upper front cover

- 1 Remove the following covers:
 - control panel—See page 148.
 - delivery roller cover—See page 156.
 - flatbed right cover—See page 161.
 - flatbed left cover—See page 162.
- 2 Remove four screws located in the plastic tabs (callout 1).
- 3 Lift the cover to remove it.

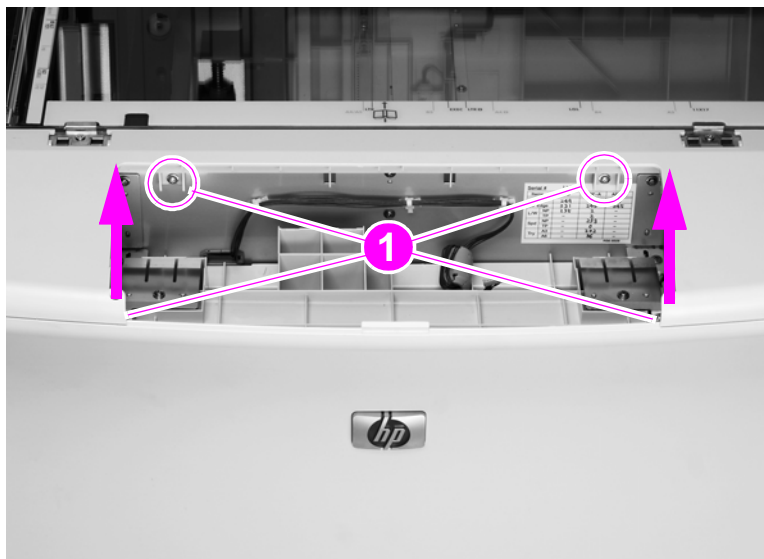


Figure 78. Flatbed upper front cover

Flatbed lower front cover

- 1 Remove the following covers:
 - control panel—See page 148.
 - delivery roller cover—See page 156.
 - flatbed right cover—See page 161.
 - flatbed left cover—See page 162.
 - flatbed upper front cover—See page 163.
- 2 Remove five screws (callout 1).
- 3 Open the front doors.
- 4 Flex the sides of the cover out and lower the cover to remove it.

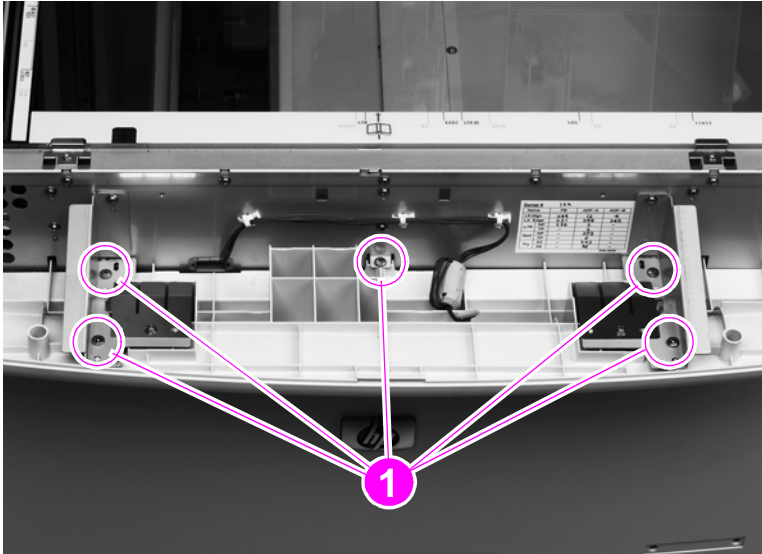


Figure 79. Flatbed lower front cover

ADF base cover assembly

- 1 Remove the following covers:
 - ADF feeder cover—See page 151.
 - ADF back cover—See page 154.
 - ADF front cover—See page 155.
 - flatbed back cover—See page 160.
- 2 Remove the white board. See page 157.
- 3 Remove six brown screws (callout 1) that attach the sheet metal to plastic.

WARNING!

Do not remove the screws connected to the opposite hinge.

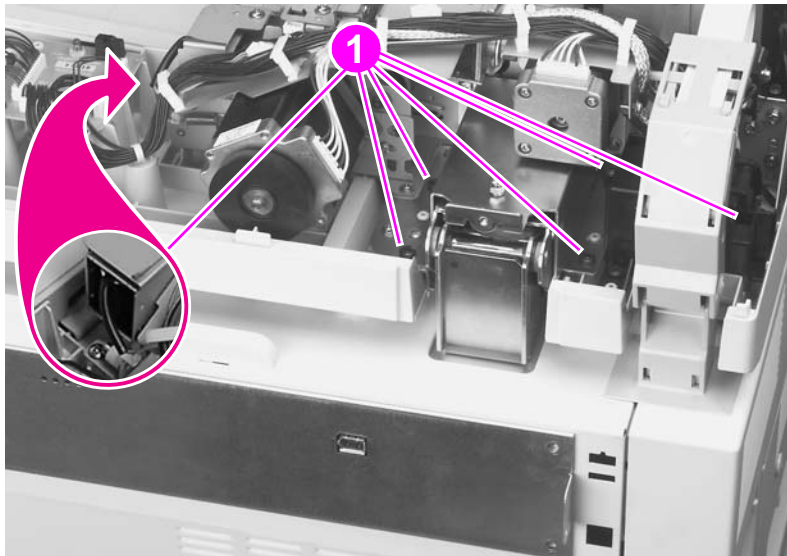


Figure 80. ADF base cover assembly (1 of 9)

- 4 Disconnect three connectors (callout 2) from the ADF intermediate PCB, and remove one clip (callout 3).

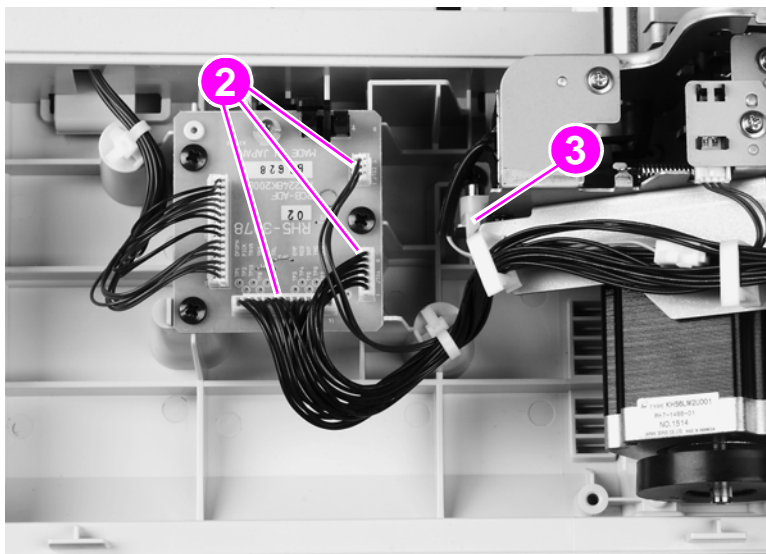


Figure 81. ADF base cover assembly (2 of 9)

5 Remove two screws (callout 4) and remove the ADF fan assembly.

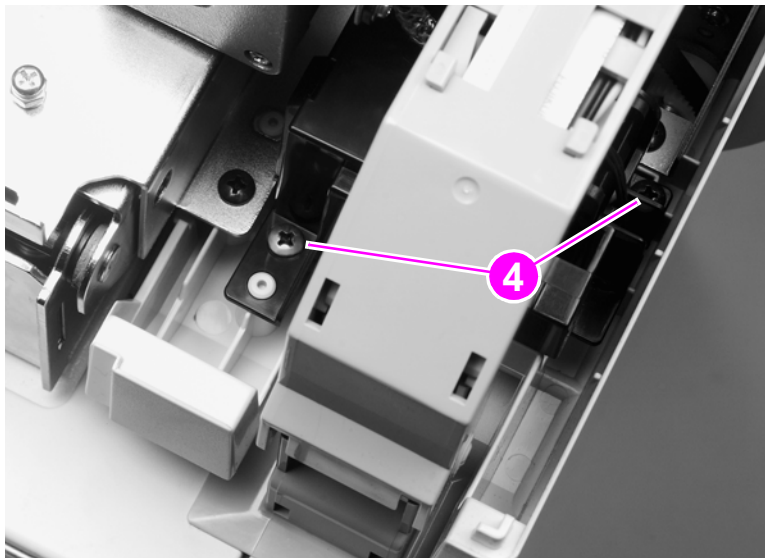


Figure 82. ADF base cover assembly (3 of 9)

6 Remove two screws (callout 5).

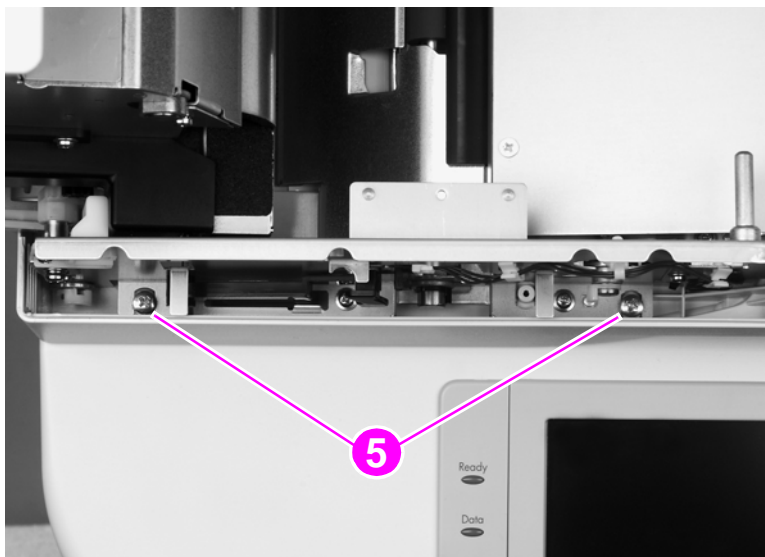


Figure 83. ADF base cover assembly (4 of 9)

- 7 Remove one connector (callout 6) from under the ADF cover.

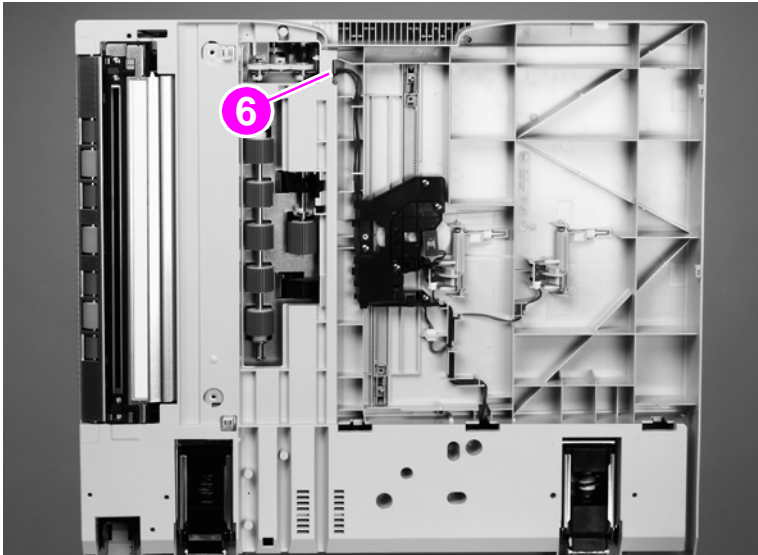


Figure 84. ADF base cover assembly (5 of 9)

- 8 Remove one screw (callout 7), and remove the front ADF paper width guide.

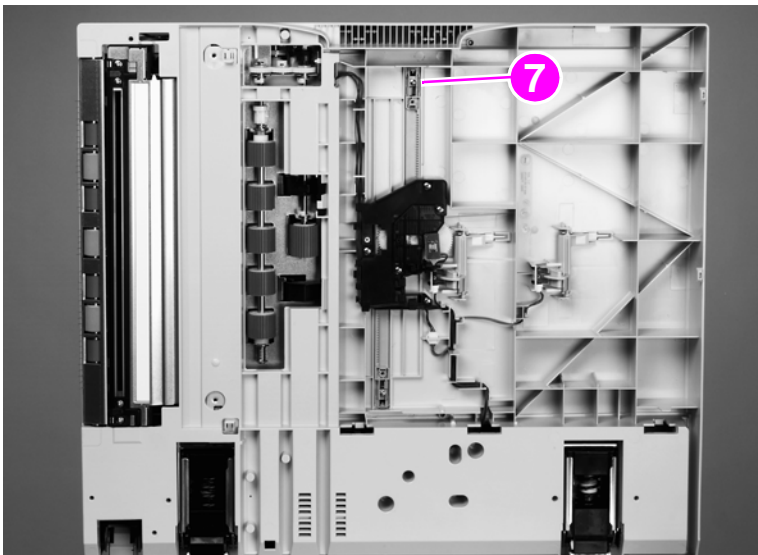


Figure 85. ADF base cover assembly (6 of 9)

9 Remove one screw and the locking plate (callout 8) on the right hinge.

Note

Do *not* remove the left hinge.

10 Slide the right hinge off of the placement screw and then remove the ADF base cover assembly.

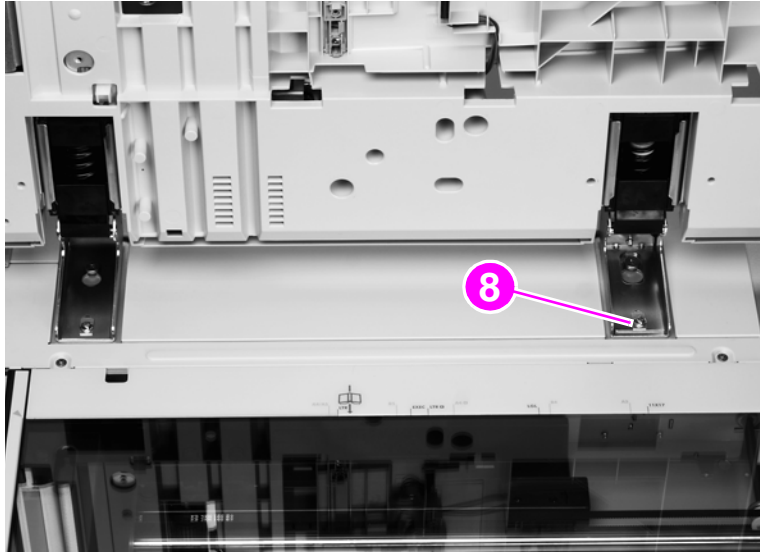


Figure 86. ADF base cover assembly (7 of 9)

11 Hold the ADF main assembly open with your left hand, and grasp the ADF base cover handle with your right hand. Shift the ADF main assembly to the right to disengage the assembly from the cover.

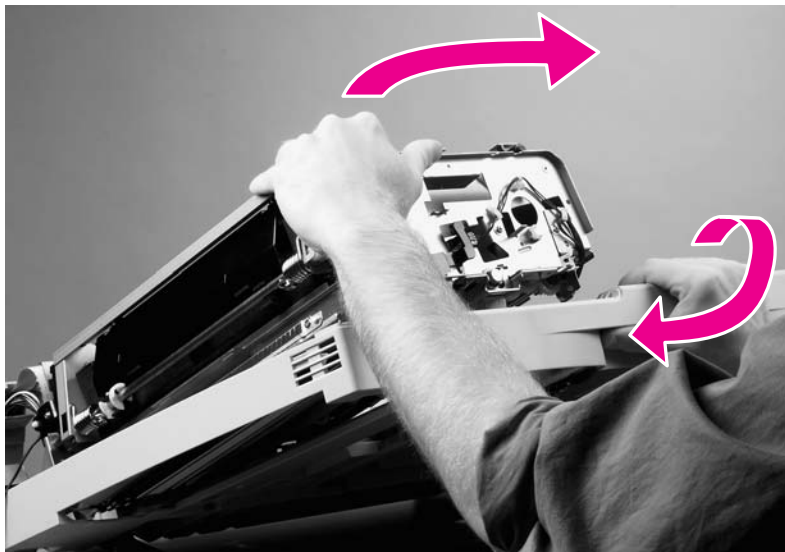


Figure 87. ADF base cover assembly (8 of 9)

12 Remove the ADF base cover assembly.

To reinstall

CAUTION

When you reinstall the ADF base cover assembly, make sure you do not damage the ESD threads (callout 9).

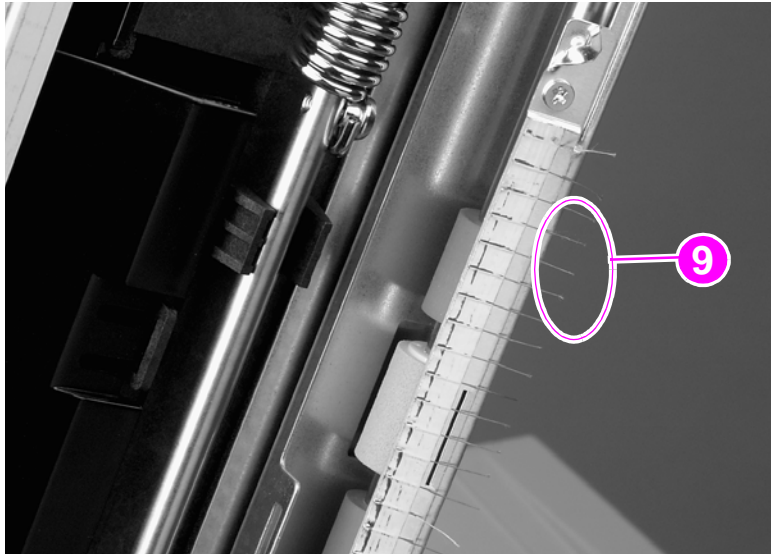


Figure 88. ADF base cover assembly (9 of 9)

Note

Remove four screws from the right hinge and install the hinge on the replacement ADF base cover.

Glass

- 1 Remove the following covers:
 - flatbed right cover—See page 161.
 - flatbed rail cover—See page 159.
- 2 Using a small flatblade screwdriver, remove two glass-mount covers (callout 1).

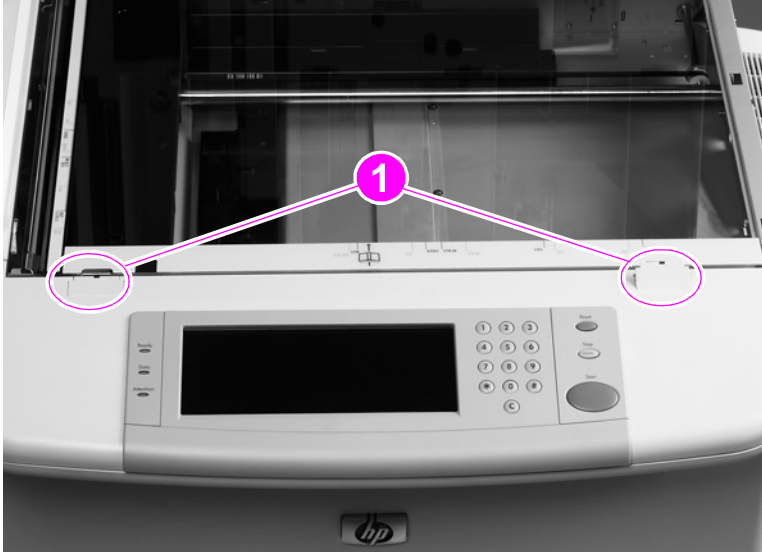


Figure 89.

Glass (1 of 2)

- 3 Remove three screws and three glass mounts (callout 2).
- 4 Remove one screw and one alignment glass mount (callout 3).
- 5 Grasp the glass on its edge and carefully lift to remove it.

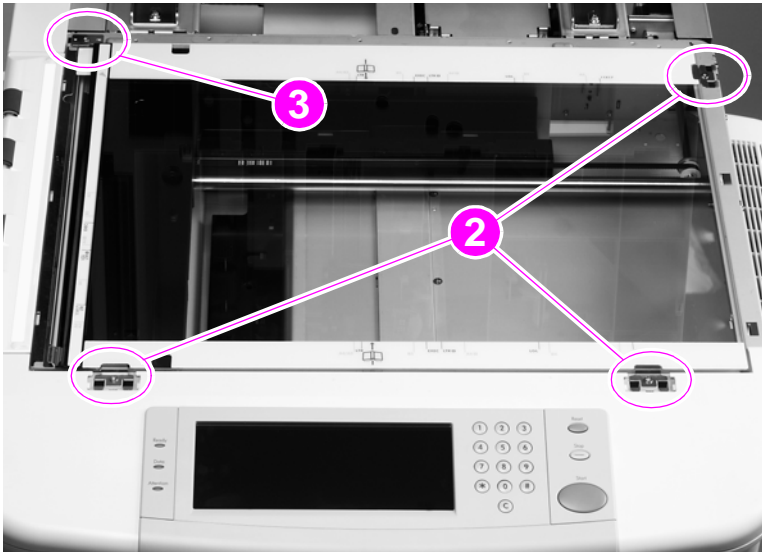


Figure 90.

Glass (2 of 2)

To reinstall

- 1 Insert the glass.
- 2 Reinsert the top left plate with one screw.
- 3 Put the three clips and one screw in loosely.
- 4 Make sure the glass is tight up against the upper left corner of the frame (this will make sure that the glass is correctly registered in the frame).

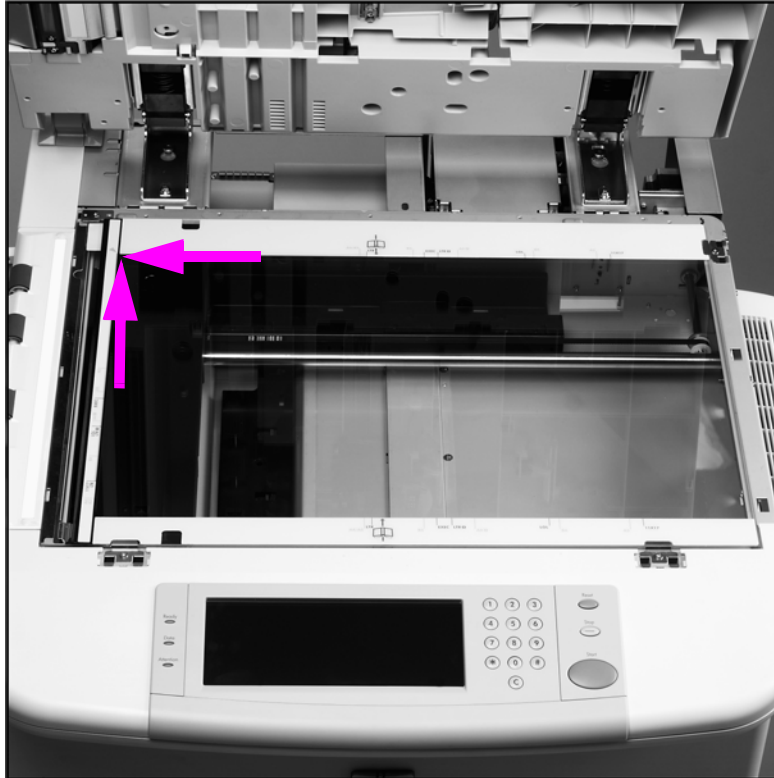


Figure 91. Register the glass

- 5 Tighter the four screws.

CAUTION

When reinstalling the glass mounts, be sure to seat the mounts completely using your fingers before screwing them in. Using a screw to force the mount into place can break the edges of the glass.

CAUTION

Do not damage the calibration strip on the back of the glass.

Internal

ADF main assembly

CAUTION

Every effort should be made to keep the main assembly free of dirt and dust.

Note

After removing the main assembly, set it on a piece of soft material.



1 Remove the following covers:

- ADF feeder cover—See page 151.
- ADF back cover—See page 154.
- ADF front cover—See page 155.

2 Disconnect three connectors (callout 1).

Note

The ribbon cable is equipped with a ferrite block that can easily come off of the cable. Make sure not to lose the block.

3 Disconnect one ribbon cable (callout 2).

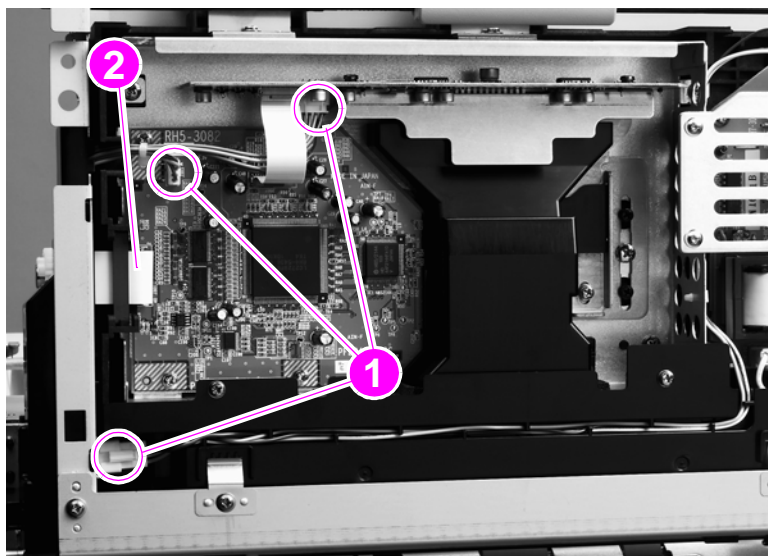


Figure 92. ADF main assembly (1 of 8)

- 4 Remove one screw (callout 3).
- 5 Push the cable cover to your right to disengage four claws (callout 4).
- 6 Tilt the cable cover up and remove it.

CAUTION

Do not damage the ribbon cable when reinstalling the cover.

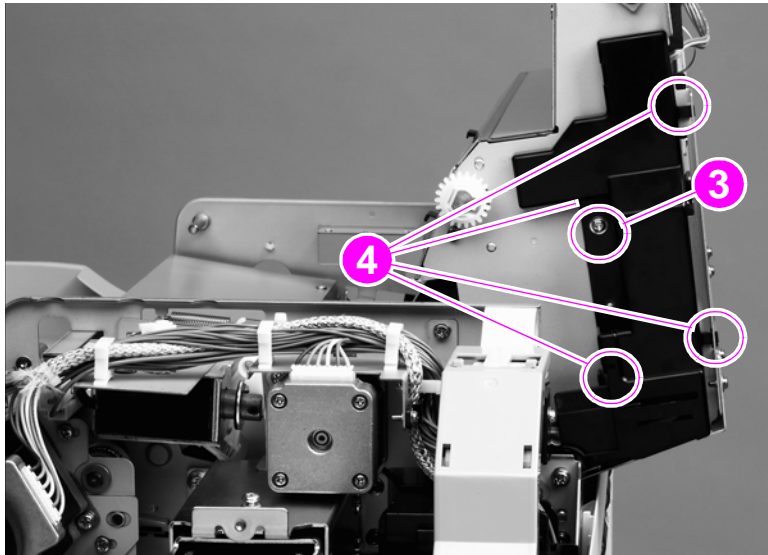


Figure 93. ADF main assembly (2 of 8)

- 7 Remove one grounding screw (callout 5).

Hint

Twist the cable ties to disengage them, and press the tabs to disengage the saddle clamps.

- 8 Remove one cable tie and two saddle clamps (callout 6).
- 9 Disconnect one connector, unseat one connector, and loosen one screw (callout 7).
- 10 Unlace and remove the cables from the cable harness (callout 8).

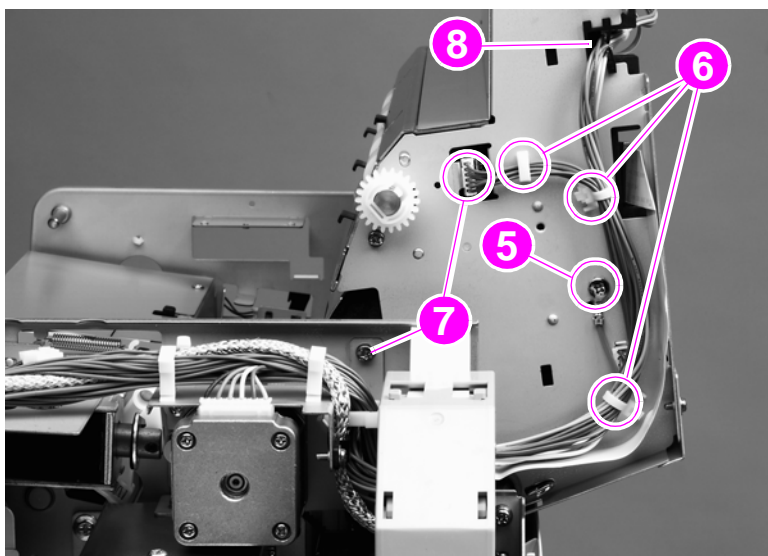


Figure 94. ADF optical unit (3 of 8)

- 11 Remove one screw (callout 9) from the flatbed cable cover.
- 12 Slide the flatbed cable cover away from the optical unit to clear it for removal of the optical unit.

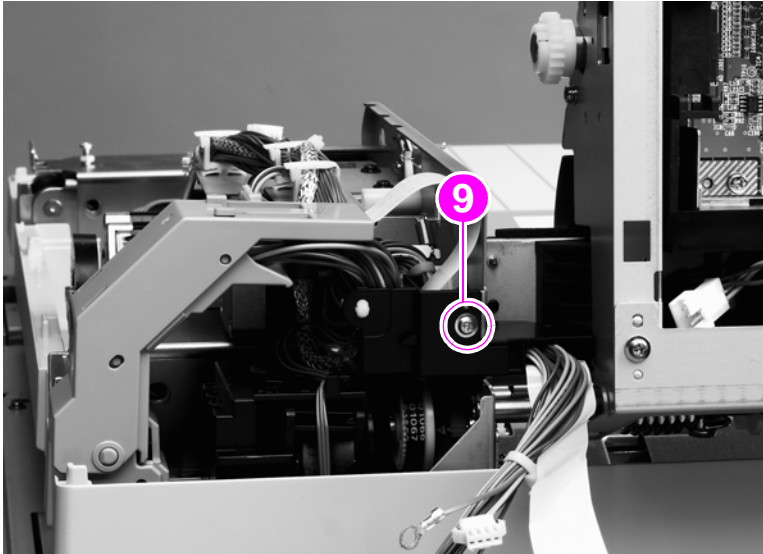


Figure 95. ADF main assembly (4 of 8)

CAUTION

With the ADF stopper cover removed, the optical unit will fall. Before performing step 13, grasp the optical unit and lower it slowly to prevent it from falling.

- 13 Remove one screw (callout 10) and the ADF stopper cover (callout 11).

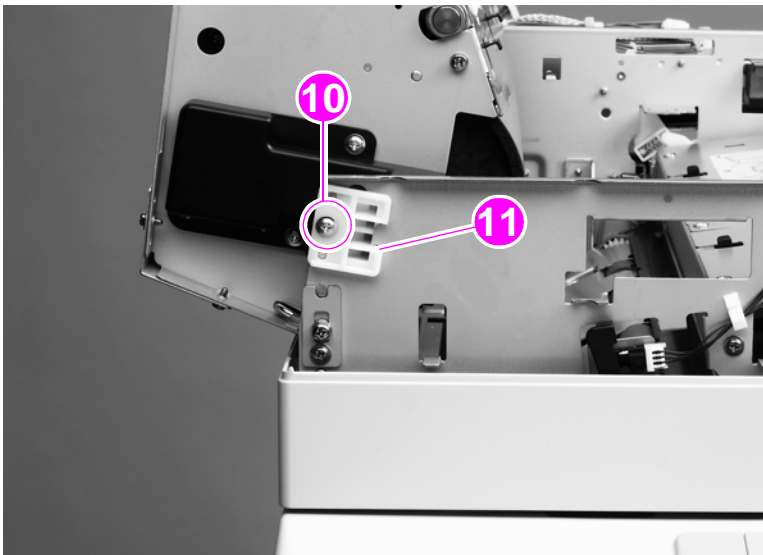


Figure 96. ADF main assembly (5 of 8)

14 Remove one screw (callout 12) from the end of the shaft at the back of the ADF.

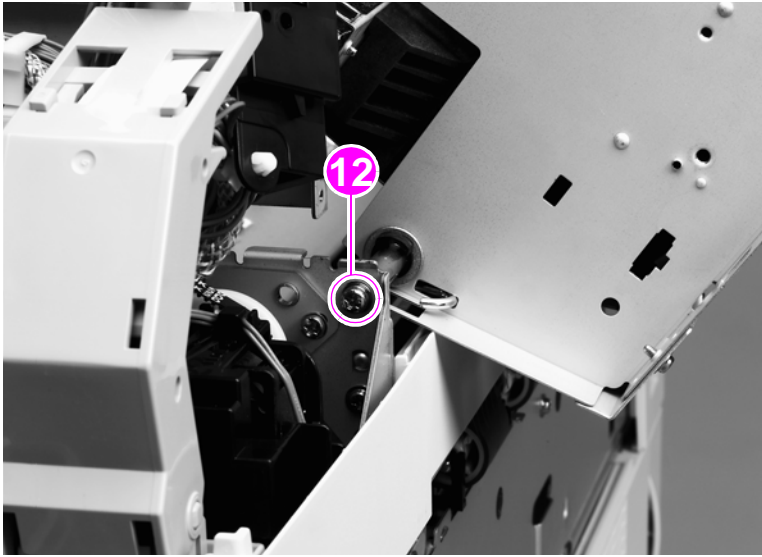


Figure 97. ADF main assembly (6 of 8)

15 Remove one screw from the shaft-retaining plate (callout 13).

CAUTION

Make sure the unit is supported before removing the shaft screws.

16 Remove one screw from the shaft and remove the shaft-retaining plate (callout 14).

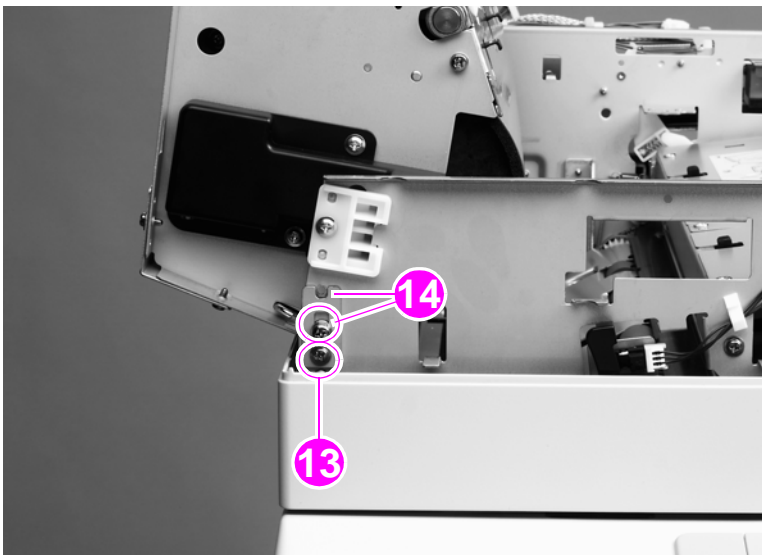


Figure 98. ADF main assembly (7 of 8)

CAUTION

To avoid damage to the main assembly filter (callout 15), maintain an adequate clearance so that the filter will not catch on other parts. A damaged or missing filter causes poor-quality scans.

Note

When removing the main assembly, be sure to hold the ADF down to prevent it from springing open.

Note

Make sure the plate on the front of the ADF main assembly does not fall off.

17 Remove one screw (callout 16).

18 Slide the optical unit to the right to disengage the shaft (callout 17).

19 Tilt the unit up and slide it to the left to disengage the other end of the shaft, and remove the assembly.

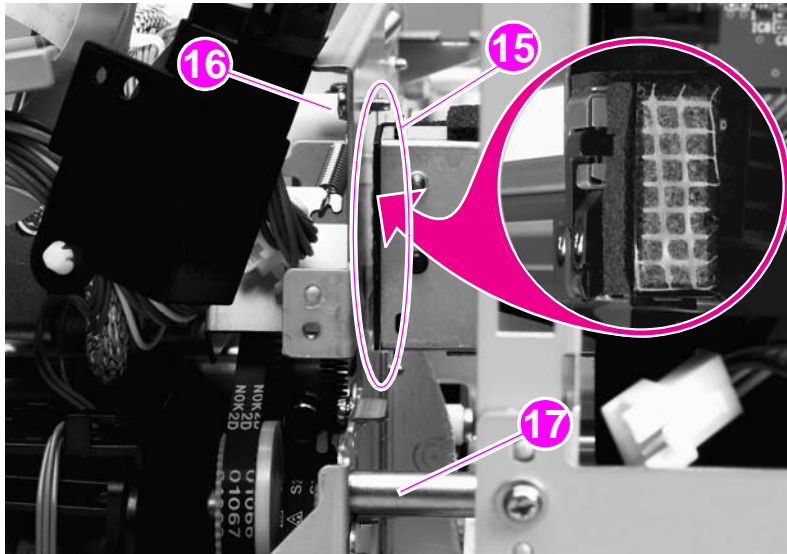


Figure 99. ADF main assembly (8 of 8)

To reinstall

The ribbon cable is equipped with a ferrite block that can easily come off of the cable. Make sure that the ferrite block remains reinstalled.

CAUTION

To avoid damage to the main assembly filter (callout 15), maintain an adequate clearance so that the filter will not catch on other parts. A damaged or missing filter causes poor-quality scans.

CAUTION

Make sure that the ADF door does not swing open when the ADF optical unit is removed.

ADF optical assembly

- 1 Remove the ADF main assembly. See “ADF main assembly” on page 172.
- 2 Disconnect one cable and remove it from the cable guide.

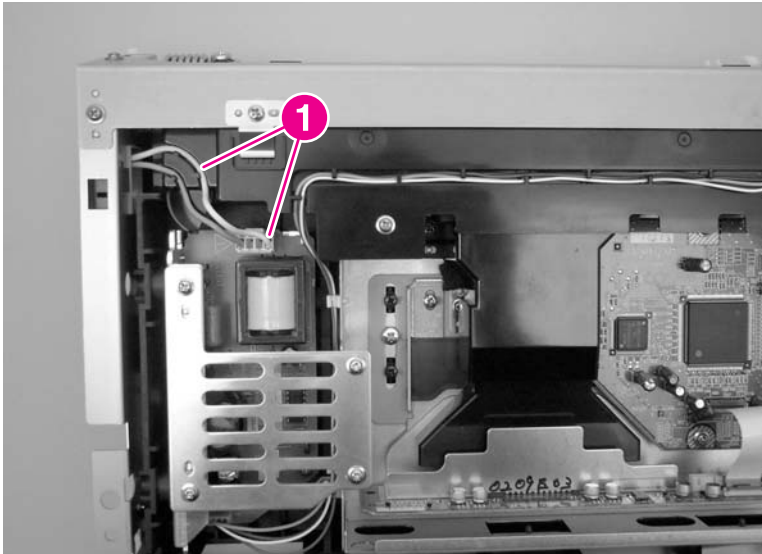


Figure 100. Remove the ADF optical assembly (1 of 13)

- 3 Remove two screws, remove the cable cover, and then pull the cable through the hole in the chassis and remove it from the cable guide.

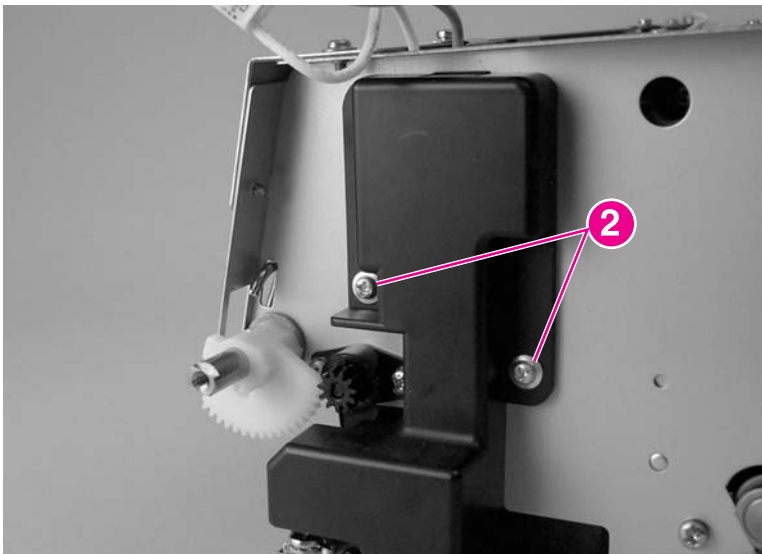


Figure 101. Remove the ADF optical assembly (2 of 13)

- 4 Remove one ground screw (callout 3).

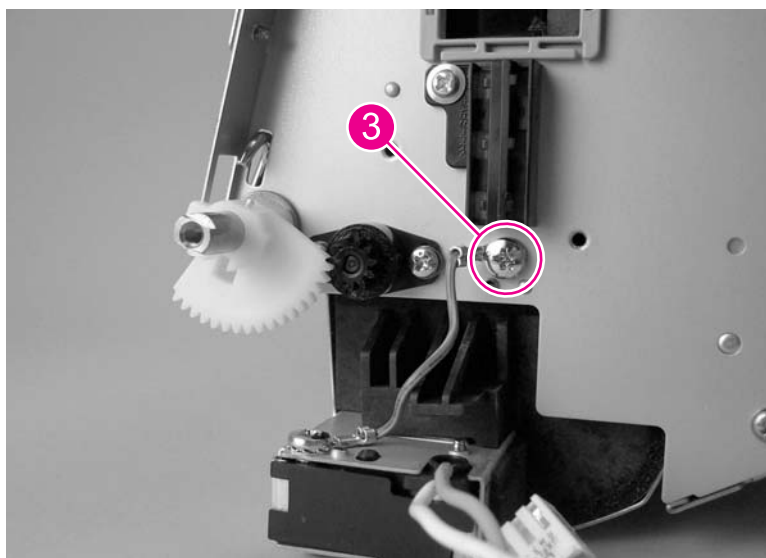


Figure 102. Remove the ADF optical assembly (3 of 13)

- 5 Carefully remove two white clips from the shaft.

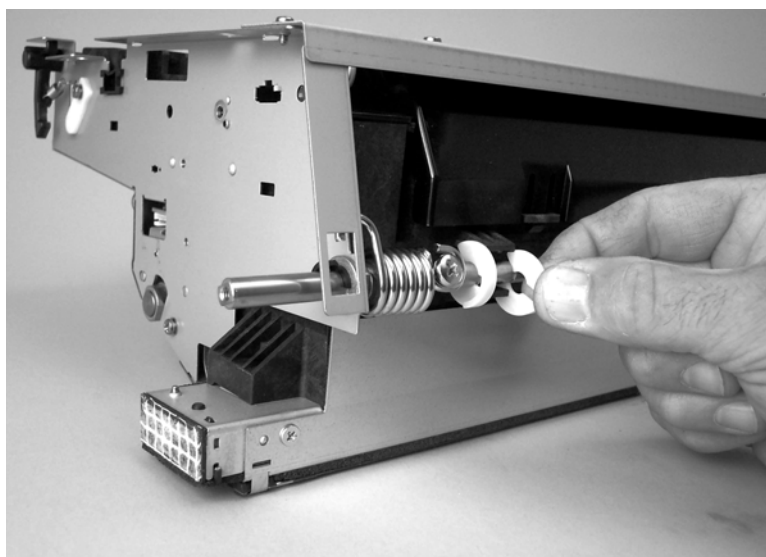


Figure 103. Remove the ADF optical assembly (4 of 13)

- 6 Use a small flat blade screw driver to remove the black clip from the left side of the shaft.

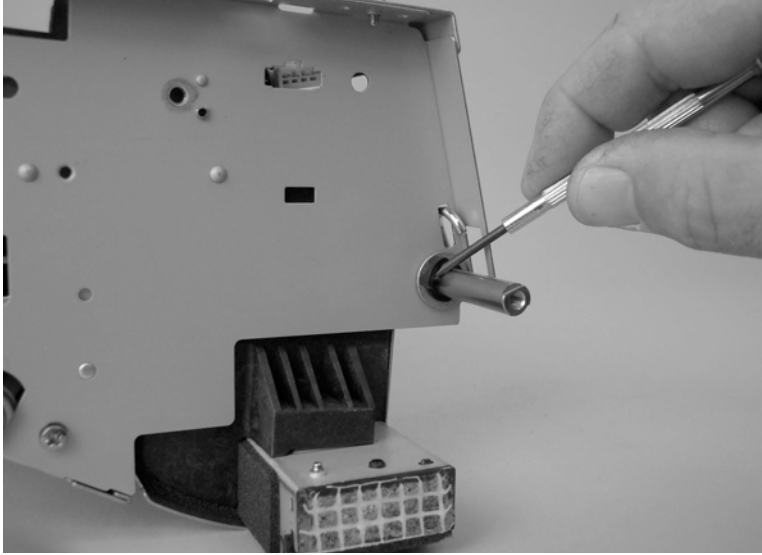


Figure 104. Remove the ADF optical assembly (5 of 13)

- 7 Remove two retaining screws (callout 4).

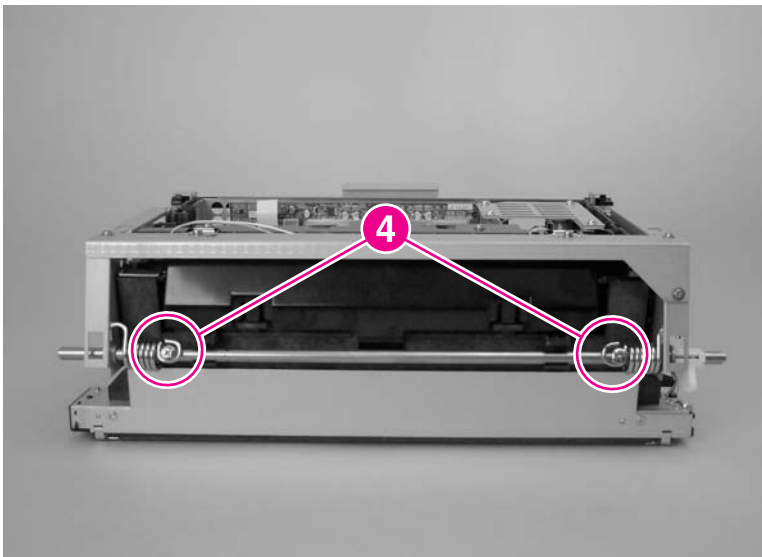


Figure 105. Remove the ADF optical assembly (6 of 13)

- 8 Slide the spring toward the center of the shaft until they are stopped by the black guides.

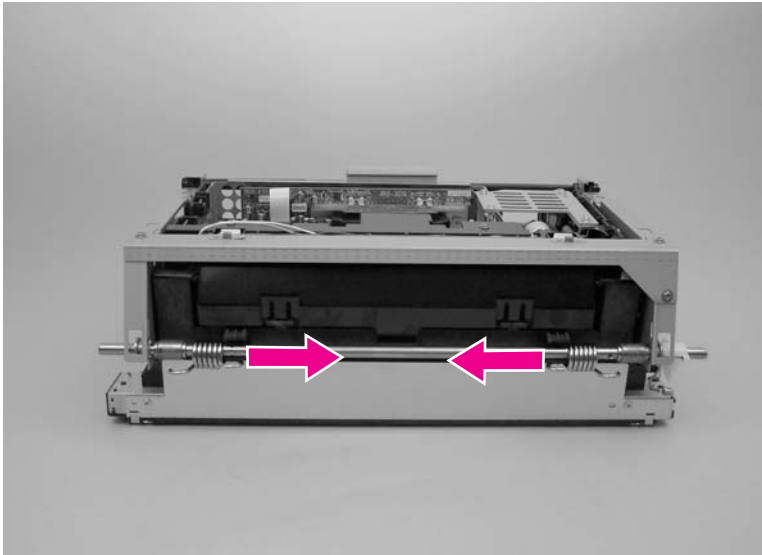


Figure 106. Remove the ADF optical assembly (7 of 13)

- 9 Remove the bushing (callout 5) from the left side of the shaft.

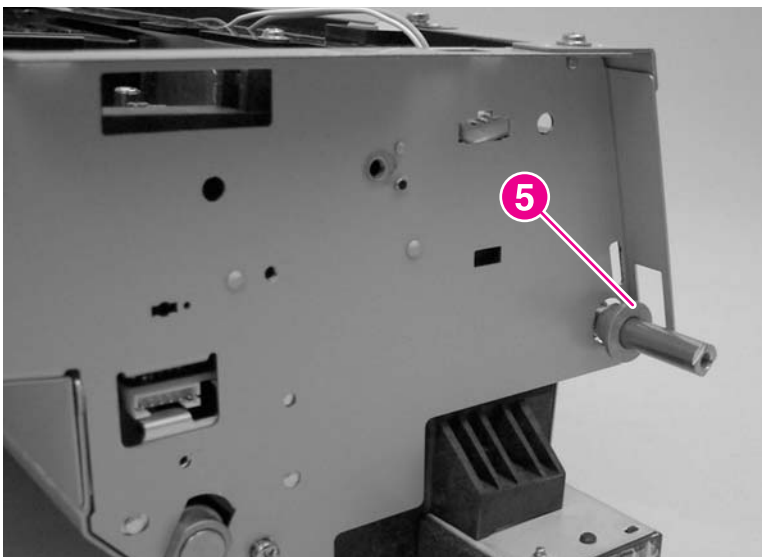


Figure 107. Remove the ADF optical assembly (8 of 13)

10 Slide the shaft out of the right side of the chassis.

Note

Before removing the shaft, take note of the order that the bushings and springs are installed on the shaft.

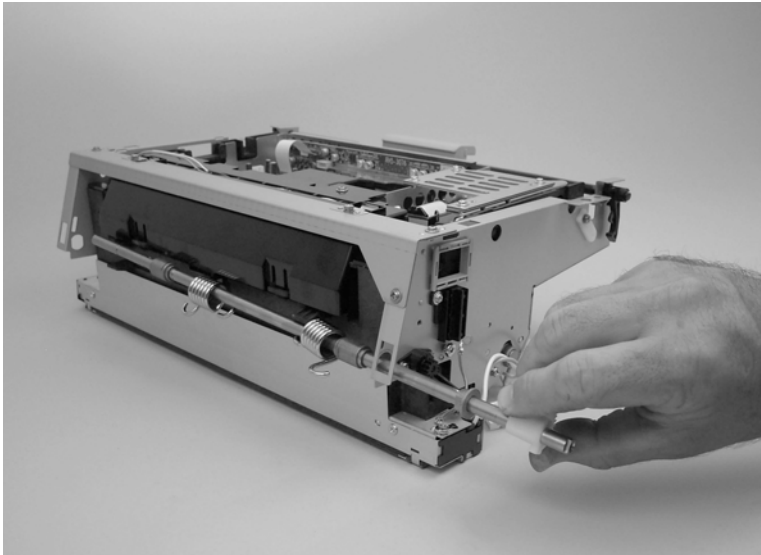


Figure 108. Remove the ADF optical assembly (9 of 13)

11 Remove three screws (callout 6), and then remove the sheet metal cover.

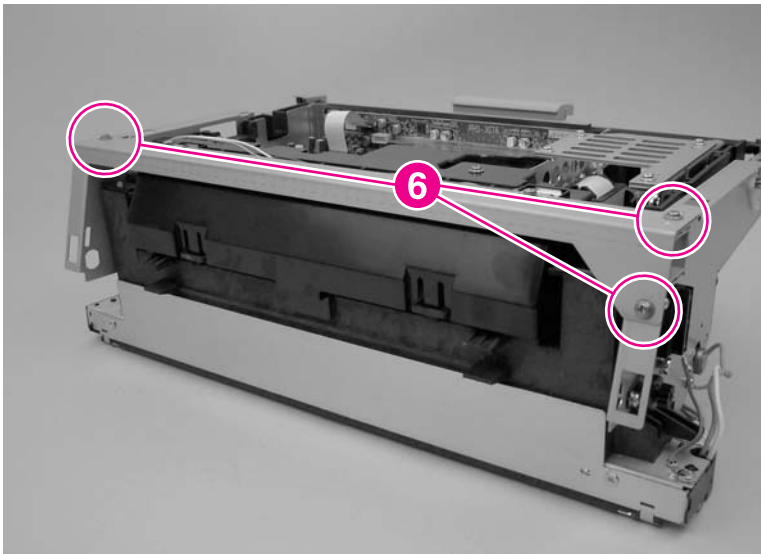


Figure 109. Remove the ADF optical assembly (10 of 13)

12 Remove four screws (callout 7), and then remove the two sheet metal retainer clips.

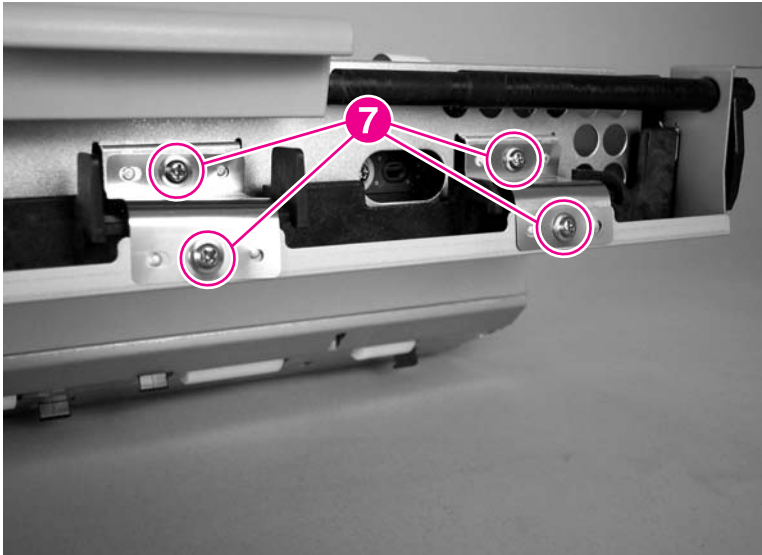


Figure 110. Remove the ADF optical assembly (11 of 13)

13 Remove one screw and the white bushing (callout 8) from both sides of the ADF assembly (one side shown).

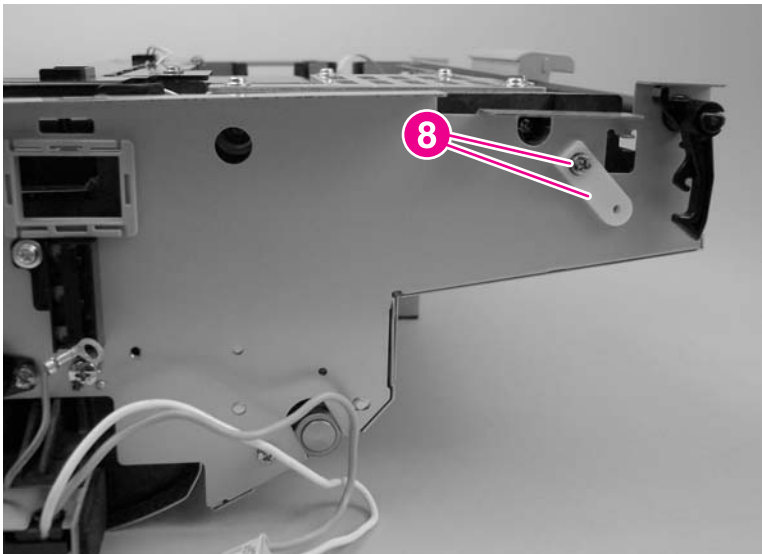


Figure 111. Remove the ADF optical assembly (12 of 13)

14 Remove the ADF optical assembly from the sheet metal chassis.

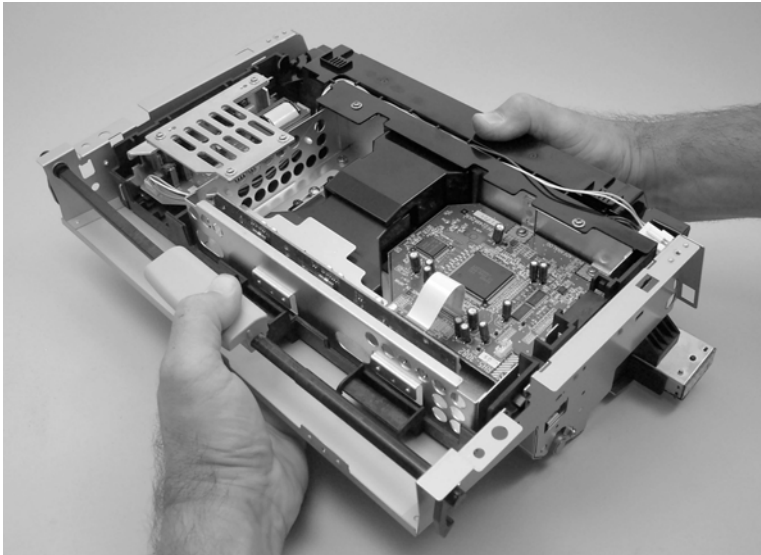


Figure 112. Remove the ADF optical assembly (13 of 13)

ADF scanning lamp (HP LJ 9000mfp/9000Lmfp)

Note

For the HP LJ 9040mfp/9050mfp/9500mfp, replace the entire ADF optical assembly. The lamp for these MFPs is not a field replaceable unit.

Note

The scanning lamp and the shading filter are a matched set and must be replaced together.

- 1 Remove the ADF optical unit. See page 172.
- 2 Carefully release two clips (callout 1) on the sides of the ADF optical unit filter and slide the filter off (callout 2).

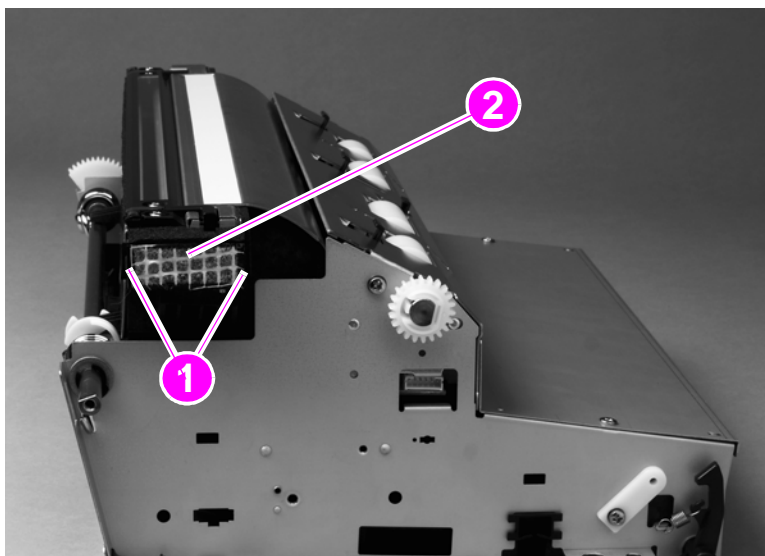


Figure 113. ADF scanning lamp (1 of 5)

- 3 Remove two flat-head screws (callout 3).

Note

Do not touch the glass or the white calibration strip.

- 4 Grasp the ends of the guide (callout 4), lift it up to disengage the lock tabs (callout 5), and remove the guide.

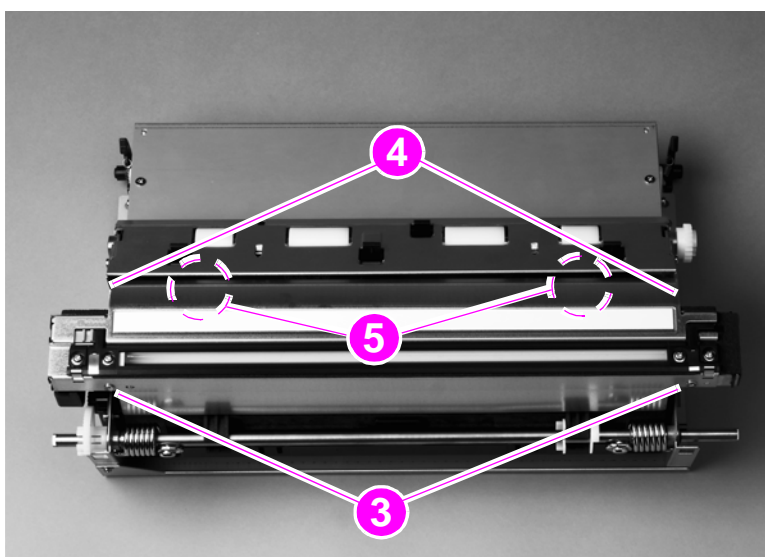


Figure 114. ADF scanning lamp (2 of 5)

5 Remove two screws (callout 6) and lift off the cable cover (callout 7).

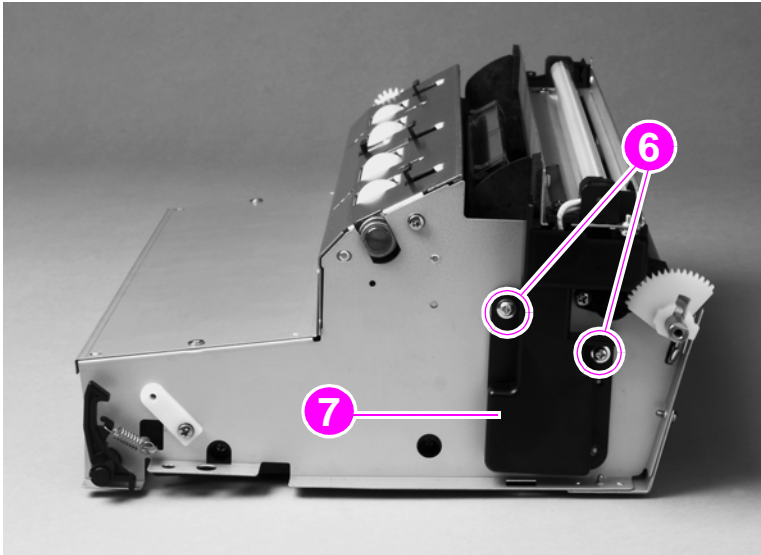


Figure 115. ADF scanning lamp (3 of 5)

6 Disconnect the connector (callout 8).

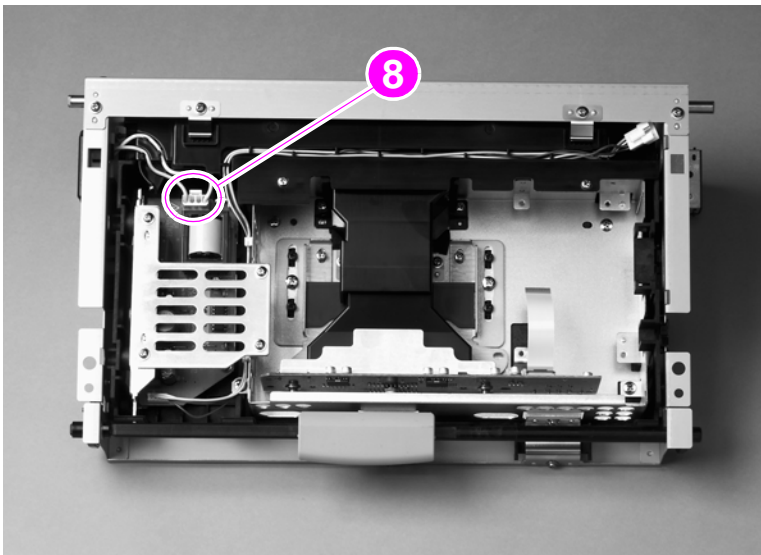


Figure 116. ADF scanning lamp (4 of 5)

- 7 Remove two screws (callout 9) and remove the scanning lamp (callout 10).

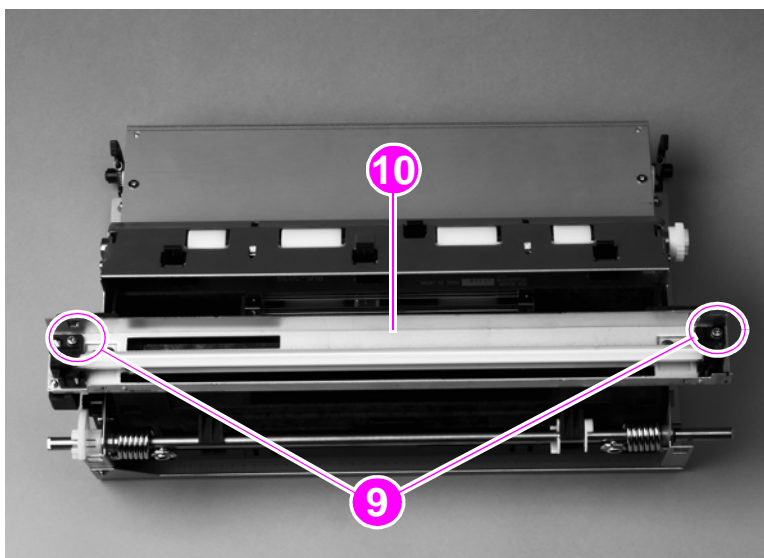


Figure 117. ADF scanning lamp (5 of 5)

To reinstall

Make sure the tabs are aligned and inserted before seating the lamp.

Note Avoid touching the new lamp while installing it.

ADF shading filter

Note

The shading filter and the scanning lamp are a matched set and must be replaced together.

- 1 Remove the ADF analog processor PCB. See page 207.
- 2 Remove two screws (callout 1) and lift off the front ADF lens cover (callout 2).

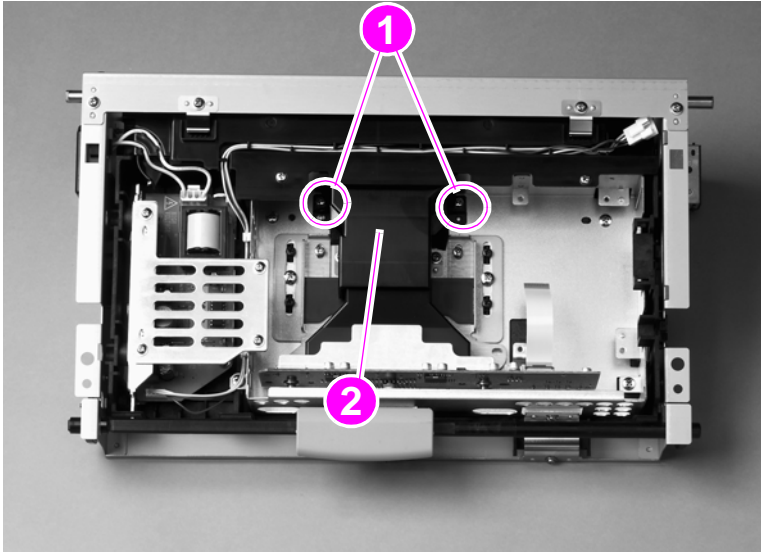


Figure 118. ADF shading filter (1 of 2)

- 3 Squeeze the sides of the back ADF lens cover to release four claws, and lift off the cover.
- 4 Remove one screw (callout 3) and lift off the ADF shading filter (callout 4).

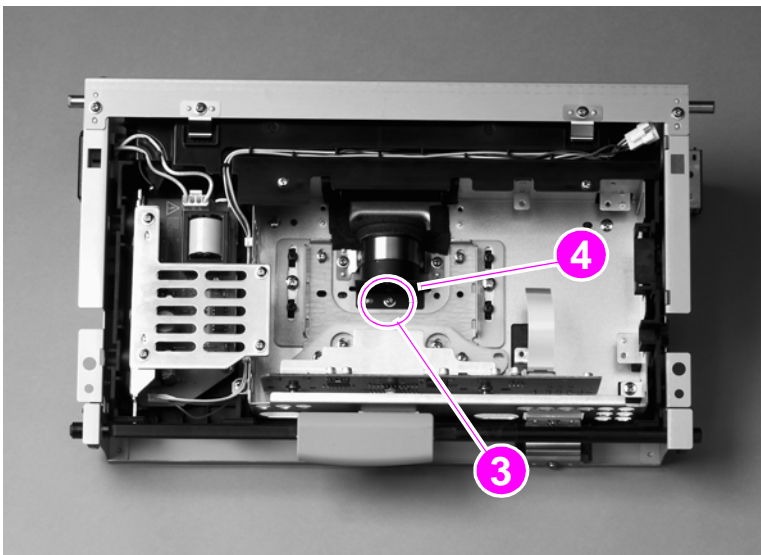


Figure 119. ADF shading filter (2 of 2)

Flatbed optical unit

CAUTION

The flatbed optical unit uses grease on certain parts for lubrication. If grease is smeared onto other parts, clean those parts in accordance with the established cleaning procedures. See “General cleaning” in chapter 4.

- 1 Remove the following components:
 - flatbed right cover—See page 161.
 - flatbed left cover—See page 162.
 - glass—See page 165.
- 2 Remove two screws (callout 1) and remove the flatbed-mount cover (callout 2).

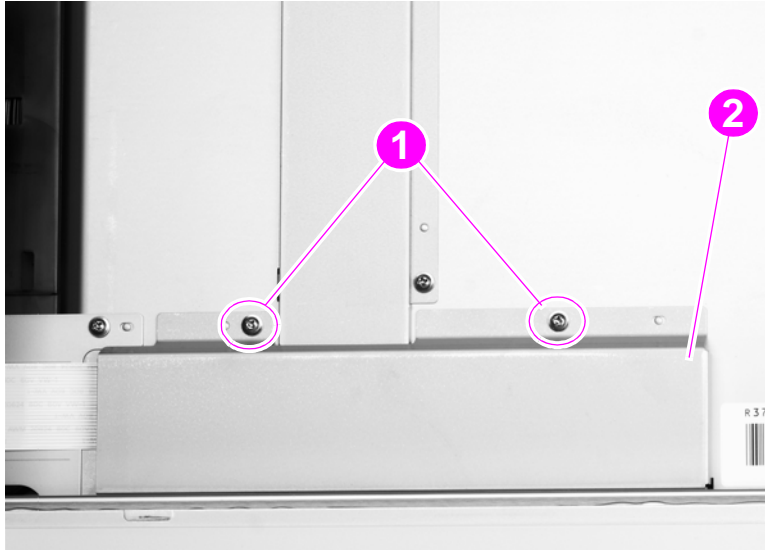


Figure 120. Flatbed optical unit (1 of 6)

- 3 Disconnect two ribbon cables (callout 3).

Note

One of the cables is a Zero Insertion Force (ZIF) cable, and the connector does not have a retaining clip.

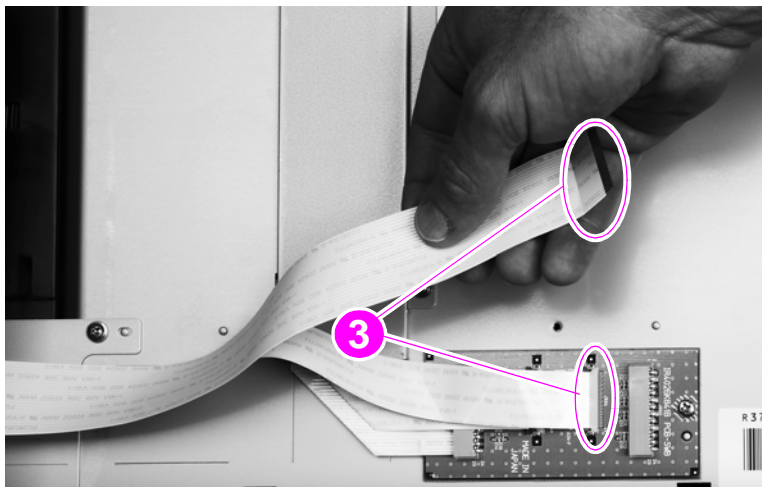


Figure 121. Flatbed optical unit (2 of 6)

CAUTION

The retaining clips on the two center connectors are fragile and can break easily.

- 4 Grasp the optical unit and slide it to the right to gain access to the belt-tension adjusting plate (callout 4).
- 5 Loosen one screw (callout 5).
- 6 Push the adjusting plate to the right to release pressure on the belt, and then remove the belt.

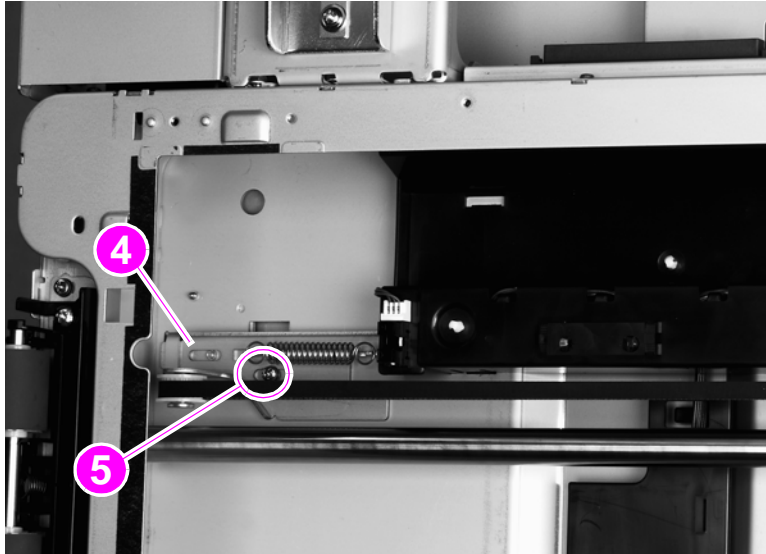


Figure 122. Flatbed optical unit (3 of 6)

- 7 Remove one screw (callout 6) from the left end of the shaft.

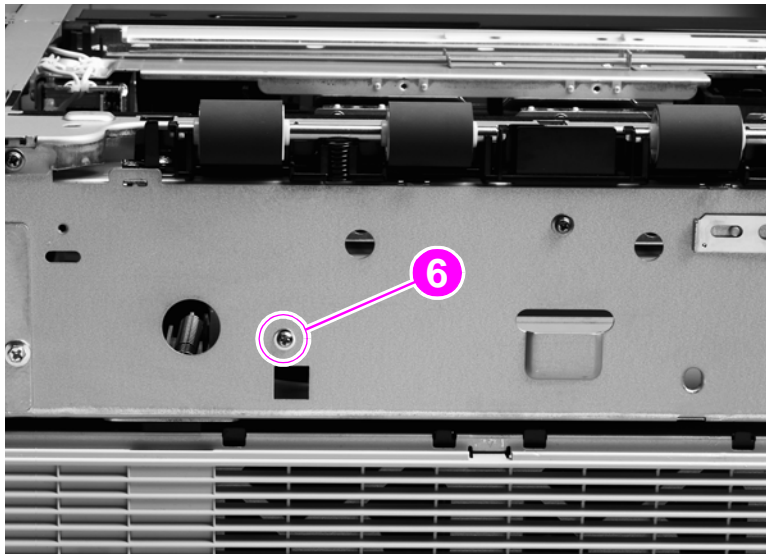


Figure 123. Flatbed optical unit (4 of 6)

- 8 Remove one screw and the shaft ground plate (callout 7) from the right side of the shaft.
- 9 Pull the shaft from the right side to remove it.

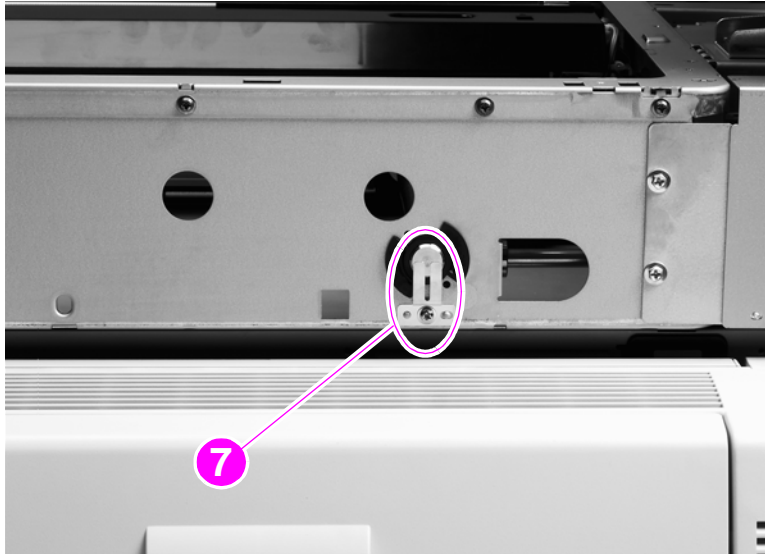


Figure 124. Flatbed optical unit (5 of 6)

CAUTION

Move the shaft slowly and support the optical unit to prevent scrapes on and wear to the optical unit and assemblies.

- 10 Slide the optical unit (callout 8) and turn it clockwise to gain clearance sufficient to lift it out.

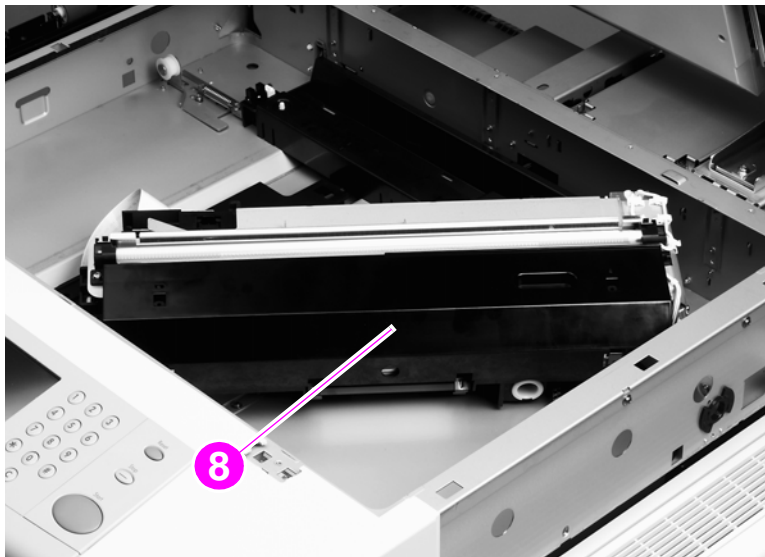


Figure 125. Flatbed optical unit (6 of 6)

To reinstall

Support the left side of the optical unit, insert the shaft, and be sure to maintain support until the left screw is installed. Verify that the keyed end of the shaft and the frame are aligned. Do not touch the lamp.

Note

The rail is greasy.

Flatbed scanning lamp (HP LJ 9000mfp/9000Lmfp)

Note

For the HP LJ 9040mfp/9050mfp/9500mfp, replace the entire flatbed optical assembly. The lamp for these MFPs is not a field replaceable unit.

Note

The scanning lamp and the shading filter are a matched set and must be replaced together.

- 1 Remove the flatbed optical unit. See page 188.
- 2 Grasp the ends of the mirror cover (callout 1) and lift to remove it.

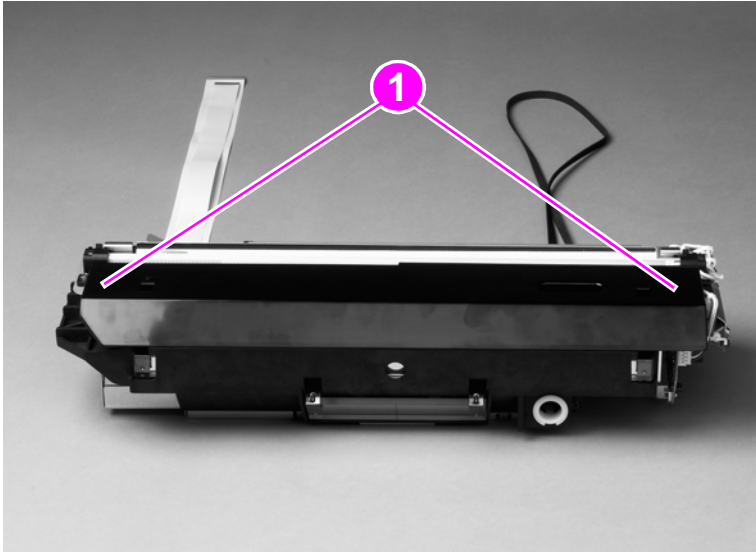


Figure 126. Flatbed scanning lamp (1 of 3)

- 3 Disconnect one connector (callout 2).

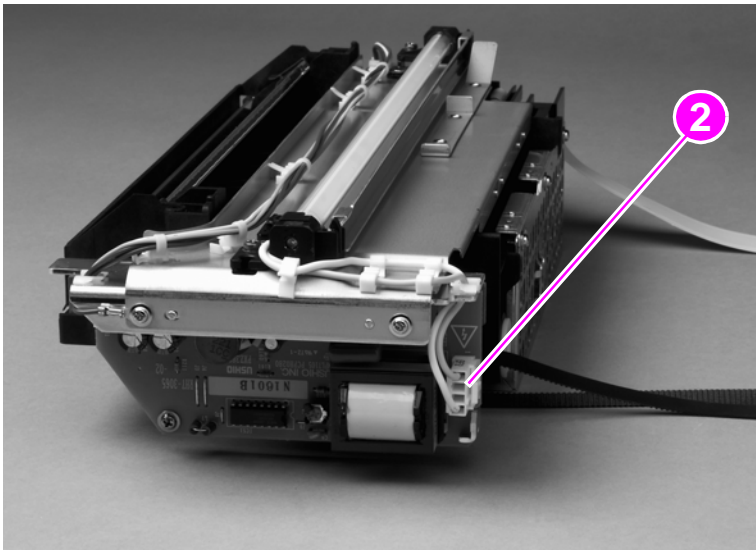


Figure 127. Flatbed scanning lamp (2 of 3)

- 4 Remove the back cover. See page 154.

5 Remove two screws (callout 3) and lift out the flatbed scanning lamp.

Note

Make sure you do *not* touch the mirror.

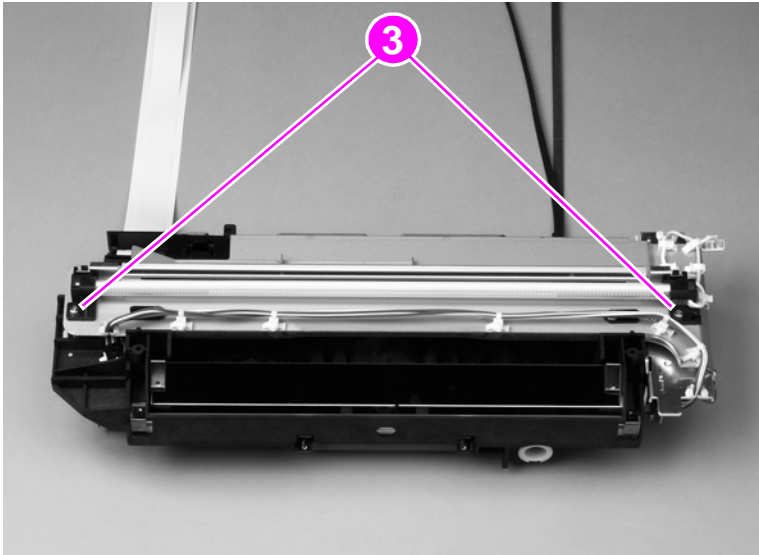


Figure 128. Flatbed scanning lamp (3 of 3)

To reinstall

Make sure the mirror cover is not installed backwards. The scanning mirror is completely covered when the mirror cover is installed correctly.

Switch and solenoids

ADF feeder cover detection switch

- 1 Open the ADF feeder.
- 2 Remove the ADF back cover. See page 214.
- 3 Remove one screw (callout 1) and disconnect two connectors (callout 2).
- 4 Remove the ADF feeder cover detection switch and mount.
- 5 Remove the switch from the mount.

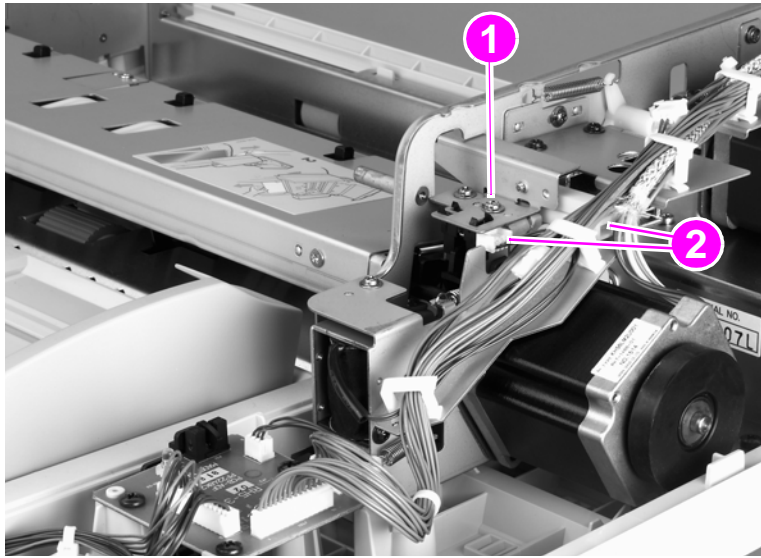


Figure 129. ADF feeder cover detection switch

Weight solenoid

- 1 Remove the ADF back cover. See page 154.

CAUTION

Do not touch the retaining screw on the solenoid mounting plate.

Hint

The retaining screw is marked with blue paint.

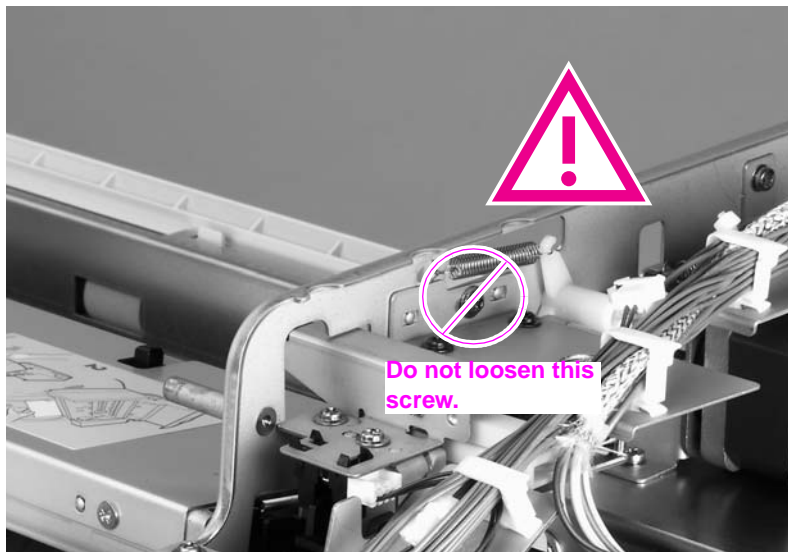


Figure 130. Weight solenoid (1 of 2)

- 2 Disconnect one connector (callout 2).
- 3 Remove one spring (callout 3).
- 4 Remove two screws (callout 4).
- 5 Remove the weight solenoid.

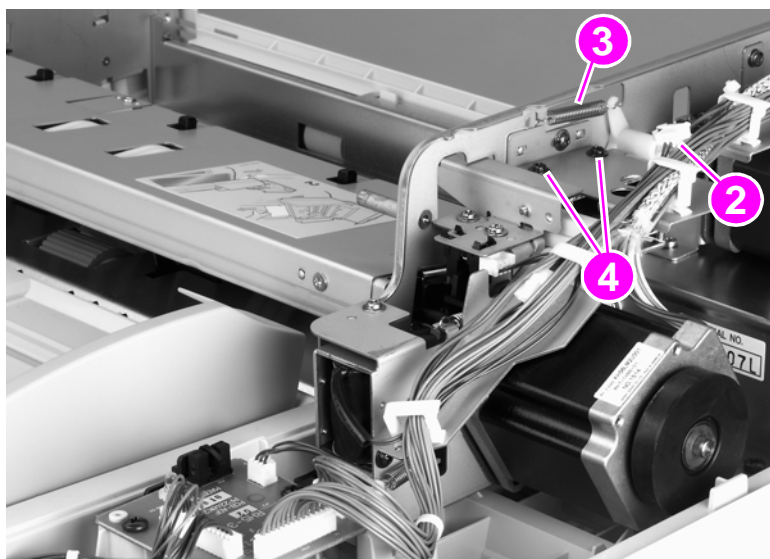


Figure 131. Weight solenoid (2 of 2)

Shutter solenoid

- 1 Remove the ADF back cover. See page 154.
- 2 Disconnect one connector (callout 1).
- 3 Remove one screw (callout 2).
- 4 Remove the shutter solenoid.

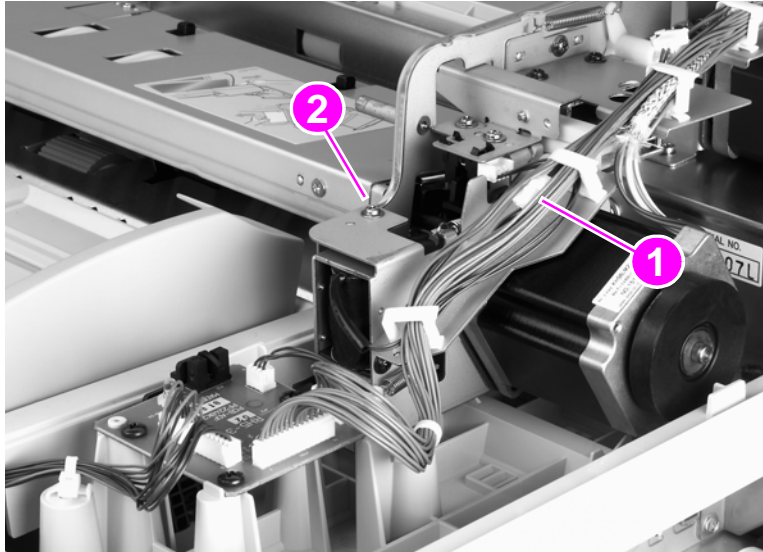


Figure 132. Shutter solenoid