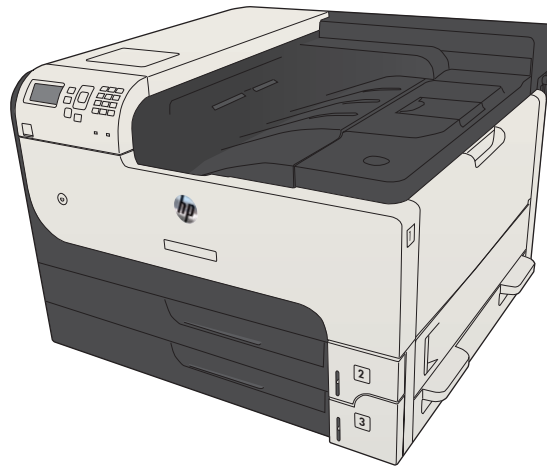




LASERJET ENTERPRISE 700

Repair Manual



M712

This manual includes an addendum
with instructions for an HP mandatory
Tray 1 upgrade
See *Tray 1 upgrade* in Addendum A



HP LaserJet Enterprise 700 M712

Repair Manual

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Safety and support guidelines when using the printer

Learn how to use your printer safely and review the information required when contacting HP support for printer assistance.

Safety precautions

Follow these safety protocols when handling or repairing the printer.

Product safety classification: This is a Safety Class I product, which means it has a protective earth terminal. This terminal must be connected to earth ground.

Important:

Before operation or repair, check the product and review this manual for safety warnings and instructions. Safety warnings for specific procedures are located at appropriate places in the manual.

WARNING: Hazardous voltages exist within the product.

NOTE: HP recommends that only qualified personnel trained in working with high voltage power equipment should service this unit.

Follow these precautions always:

NOTE: If you do not want to disassemble and repair the printer yourself, contact your local HP Service Representative for service, see [Contact HP Support section](#).

Warnings and Cautions

To ensure the proper use of the printer and to prevent the printer from being damaged, follow the warning and caution symbols marked in this guide. See [Conventions used in this guide](#).

Electrical precautions

Power cord instructions

- Make sure your power source is adequate for the product voltage rating. The voltage rating is on the product label.

Typically, the product uses either 110-127 Vac or 220-240 Vac and 50/60 Hz. Depending on a product, the voltage usage might change (100-127 Vac, for example). It is recommended to refer your product manual for the specified voltage.

- Connect the power cord between the product and a grounded AC outlet.

CAUTION: To prevent damage to the product, use only the power cord that is provided with the product.

Do not damage, cut, or repair the power cord. A damaged power cord can cause fire or electric shock. Replace a damaged power cord with an HP-approved power cord.

- Unplug the power cord when disassembling or assembling the printer.

The printer utilizes a power switch (button) that is turned "ON" or "OFF". Be aware that electricity may flow on the primary side of the printer even when the printer is "OFF".

- Power off the printer and unplug the power cord and fax cord (if available) from the electrical outlet in any of the following cases:
 - When removing product enclosure or covers from the printer or when accessing internal parts of a printer.
 - If there is smoke or an unusual smell coming from the printer.
 - A piece of metal or a liquid (not part of cleaning and maintenance routines) touches internal parts of the printer.
 - During an electrical storm (with thunder and/or lightning).
 - During an electrical power failure.

Electrostatic Discharge (ESD) precautions

Electrostatic discharge (ESD) can damage electronic components inside your printer.

Use these guidelines to protect sensitive parts against damage from electrostatic discharge.

- Touch a metal object that is not painted and is grounded.
- Leave electronic parts such as a memory chip in the bag it was shipped in until you are ready to perform the installation.
- ESD wrist straps can also be used to help release excess electrostatic charge.

CAUTION: 

- Some parts are sensitive to electrostatic discharge (ESD). Look for the ESD reminder when removing printer parts.

Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, touch the sheet-metal chassis to provide a static ground before touching an ESD-sensitive assembly.

- Protect the ESD-sensitive assemblies by placing them in ESD pouches when they are out of the printer.

Handling toner

HP recommends that you wear gloves when handling toner cartridges and toner system components.

Do not expose toner or toner cartridge to fire or any heat source.

Keep imaging unit and/or toner cartridge away from children. The toner powder contained in the imaging unit and toner cartridge may be harmful, and if swallowed, you should contact a doctor.

Lifting equipment

Follow the recommendations for lifting or moving your printer.

The printed inbox guides and support documentation available on support.hp.com for your printer model will provide the lifting requirements to avoid injury and to safely move the printer.

NOTE: Do not attempt to lift heavy equipment without assistance.

Safety measures during disassembling or reassembling

Important:

Before disassembling or reassembling a printer, be sure to unplug its power cord from the electrical outlet.

NOTE: Assembly is the reverse of disassembly unless otherwise specified.

- During disassembly, reassembly, or transportation of a printer, remove the toner cartridge as necessary.
- Only fuses with the required rated current, voltage, and specified type (normal blow, time delay, etc.) should be used.

Do not use repaired fuses or short-circuited fuse holders. Doing so, could cause a shock or fire hazard.

- Capacitors inside this product may hold a hazardous charge even if the product has been disconnected from its power source.

- Do not disable safety functions (Interlocks or safety circuits). Safety will not be assured leading to a safety hazard and potential injury.
- Note the length, diameters, and locations of screws as you remove them. When reassembling the printer, be sure to use them in their original locations.
- As a best practice safety rule, do not run the printer with any parts removed.

Ingestion hazards

This product may contain a button cell or coin battery that is not intended to be replaced.

- A swallowed button cell or coin battery can cause internal chemical burns in as little as two (2) hours.

Death or serious injury can occur if ingested.

- Keep new and used batteries out of reach of children. Used batteries may cause severe injury or death.

Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. Call a local poison control center for treatment information.

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do not dispose of batteries in household trash or incinerate.

Laser radiation hazards

The printer is certified as a Class 1 laser product.

WARNING: Using controls, adjusting or performing procedures other than those specified in the user guide could result in exposure to hazardous radiation. Do not disassemble the laser/scanner unit as the laser beam can injure your eyes. An invisible laser beam is emitted within the laser/scanner unit.

Mechanical hazards

The printer has moving parts that could cause injury. To avoid personal injury, take the following precautions when working close to the printer.

- Keep your clothes and body away from the printer's moving parts.
 - Avoid wearing dangling jewelry or other hanging objects around the printer as it might be caught by moving parts and lead to injury.
 - Keep long hair tied up and away from the paper feed mechanism.
 - Ensure the sleeves or gloves do not get caught in the printer's moving parts.

- Avoid standing close to the fans as it could cause injury and could also affect print quality (by obstructing the air flow).
- Do not touch gears or moving rolls during printing.
- Do not operate the printer when having enclosure covers removed or interlock switches bypassed.
- The product may have internal sharp edges.

Make sure the wiring does not come into contact with sharp edges, burrs, or other pointed parts. Current can leak, leading to a risk of electrical shock or fire hazard.

- During and after repair, check internal electrical wiring for squeezing, sheaths and any damage.
 - Make sure that all screws, components, wiring, connectors and so forth that were removed, have been reinstalled in the original location.
 - Do not allow any metal parts such as clips, staples and screws to fall into the printer. This could potentially short internal circuits and cause an electrical shock hazard.
 - Do not allow liquids (except those used in HP cleaning kits) to touch the internal parts of the printer. Doing so may cause fire, electric shock, or other serious hazards.

Thermal hazards

Caution: Inspection before repair for fuser:

The area around the fuser unit may be hot. Wait for a few minutes until the fuser assembly cools down.

Contact HP Support

HP offers phone support to assist you for printer issues. Make sure to read the following information before contacting HP Support.

Before contacting HP Support

Before contacting support, consider checking the resources available on HP Customer Support.

1. Go to HP Customer Support (<https://support.hp.com>) to locate your product support page.
2. Review the documents for troubleshooting before contacting HP.

Information required when contacting HP Support

If you call an HP support representative for assistance, ensure you have the following information for HP support to answer your questions quickly:

- **Product model:** Note the printer model, product number, and serial number you are using. The product number and the serial number are typically found on the label at the back of the product.
- **Error code:** If there is an error code or message displaying on the printer control panel, note the error and message.
- **Computer (operating system):** Provide the name of the computer/computer operating system you are using.
- Any **special equipment or software** you are using (for example, spoolers, networks, switch-boxes, modems or special software drivers).
 - The type of interface used on your product (USB or network).
 - The software and driver name and firmware version number that you are currently using.
- **Printer service information:** You can obtain the printer service information from the Embedded Web Server (EWS). If you need to send this information by email, download it as a file from your browser, and send the file.

NOTE: Depending on your printer firmware version, the menu items in the EWS might vary.

 1. Open a Web browser on your computer, and then enter the IP address of your printer to access the Embedded Web Server.
 2. Click [Support](#) > [Service support](#) > [Service information](#) > [Display](#).

Phone support

HP phone support is available on the HP support website. For assistance, go to one of the following websites:

- <https://support.hp.com/contact>
or
- <https://support.hp.com/contact/help/printer>
or
- <https://www.hp.com/us-en/contact-hp/contact.html>

1 Removal and replacement

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 - [Main drive assembly](#)
 - [Fuser drive assembly](#)
- [Switches](#)
 - [Power switch assembly](#)

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 - [Hard drive](#)
- [Trays](#)
 - [1x500-sheet paper feeder assembly](#)
 - [1x500 or 3x500-sheet paper deck \(optional accessory\)](#)
- [Input devices](#)
 - [High capacity input \(HCI\) feeder](#)

Removal and replacement strategy

Introduction

This chapter describes the removal and replacement of field-replaceable units (FRUs) only.

Replacing FRUs is generally the reverse of removal. Notes are included to provide directions for difficult or critical replacement procedures.

HP does not support repairing individual subassemblies or troubleshooting to the component level.

Never operate or service the product with the protective cover removed from the laser scanner assembly. The reflected beam, although invisible, can damage your eyes.

The sheet-metal parts can have sharp edges. Be careful when handling sheet-metal parts.

CAUTION:

Some parts are sensitive to electrostatic discharge (ESD). Look for the ESD reminder when removing product parts. Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.

Protect the ESD-sensitive parts by placing them in ESD pouches when they are out of the product.

CAUTION: Do not bend or fold the flat flexible cables (FFCs) during removal or installation.

NOTE: To install a self-tapping screw, first turn it counterclockwise to align it with the existing thread pattern, and then carefully turn it clockwise to tighten. Do not overtighten. If a self-tapping screw-hole becomes stripped, repair the screw-hole or replace the affected assembly.

Required tools

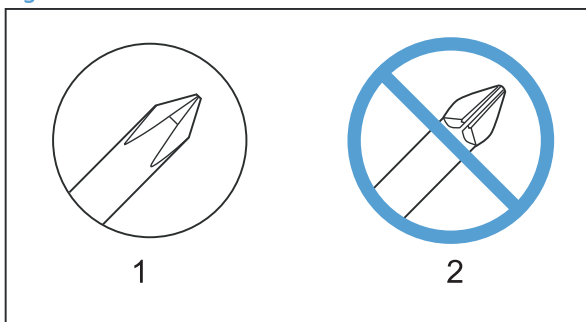
- #2 Phillips screwdriver with a magnetic tip and a 152-mm (6-in) shaft length

NOTE: For the best fit, use a JIS #2 Phillips screwdriver for the stapler/stacker.

- Small, flat-blade screwdriver
- Needle-nose pliers
- ESD strap (if one is available)
- Penlight

CAUTION: Always use a Phillips screwdriver (callout 1). Do not use a Pozidriv screwdriver (callout 2) or any motorized screwdriver. These can damage screws or screw threads.

Figure 1-1 Screwdrivers



Types of screws

WARNING! Make sure that components are replaced with the correct screw type. Using the incorrect screw (for example, substituting a long screw for the correct shorter screw) can cause damage to the product or interfere with product operation. Do not intermix screws that are removed from one component with the screws that are removed from another component.

For a complete list of screw types and part numbers, see the Parts chapter.

Service approach

The HP LaserJet Enterprise 700 M712 use a field repair strategy. Defective parts are diagnosed and replaced at the Field Replaceable Unit (FRU) assembly level. Repair normally begins by using the product internal diagnostics and the following two-step process:

1. Isolate the problem to the major system (for example, the network or server, or the product).
2. Troubleshoot the problem by using the procedures in the troubleshooting chapter.

After you locate a faulty part, the product can usually be repaired at the assembly level by replacing FRUs. Some mechanical assemblies might need to be repaired at the subassembly level. Hewlett-Packard Company does not support replacement of components on the printed circuit assemblies.

Before performing service

WARNING! Turn the product off, wait 5 seconds, and then remove the power cord before attempting to service the product. *If this warning is not followed, severe injury and damage to the product can result.* The power must be on for certain functional checks during troubleshooting. However, the power supply should be disconnected during parts removal.

1. Remove all paper.
2. Place the product on an ESD mat (if available). If an ESD workstation or mat is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.
3. Remove the toner cartridge.
4. Remove the trays.

After performing service

1. Reinstall the toner cartridge.
2. Reinstall the trays.
3. Return all paper to the trays.
4. Plug in the power cable and turn on the product.

Parts removal order

If multiple components must be removed to gain access to an assembly, the first step of the removal procedure lists all of the components that must be removed to gain access to that assembly. Use these lists to determine which parts must be removed before removing other parts.

Pickup rollers

The user replaces toner cartridges when they reach the end of life. Additional instructions about other user-replaceable parts are provided in this section.

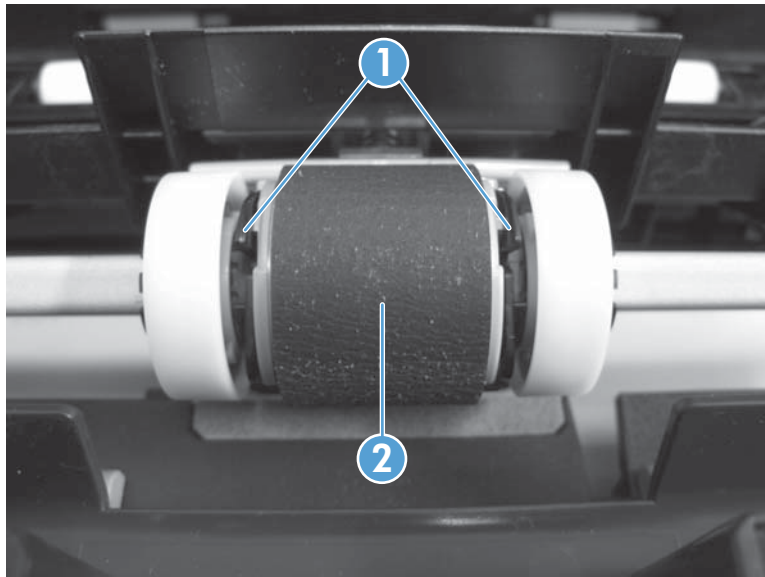
The product tracks the amount of use on the customer-replaceable supplies by keeping a page count. The product prompts the user to replace certain items when a supply is depleted or a specific number of pages have been printed.

- [Tray 1 \(multipurpose tray\) pickup roller](#)
- [Tray 2 and Tray 3 pickup rollers](#)
- [Tray 4, Tray 5, and Tray 6 pickup and feed rollers](#)

Tray 1 (multipurpose tray) pickup roller

1. Open the toner cartridge door.
2. Push out on the pickup roller holder tabs (callout 1), and remove the pickup roller (callout 2).

Figure 1-2 Remove the Tray 1 (multipurpose tray) pickup roller

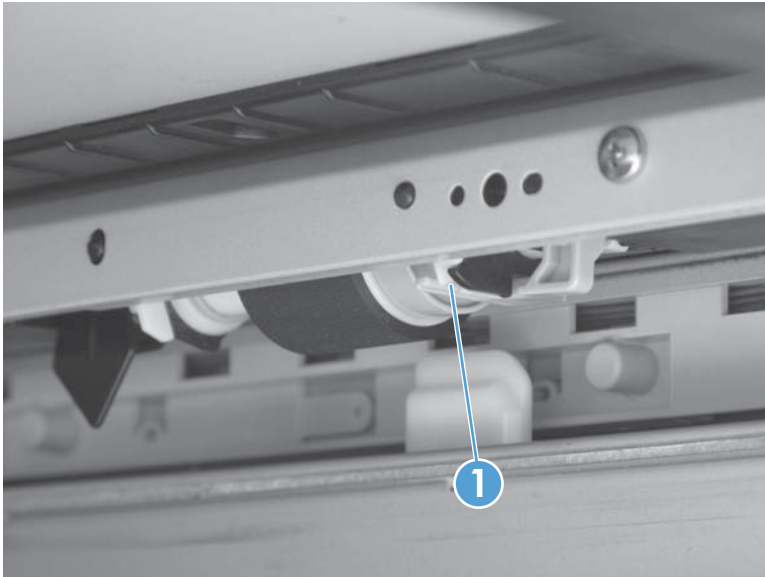


Tray 2 and Tray 3 pickup rollers

NOTE: The same removal procedures apply to the Tray 2 pickup roller and Tray 3 pickup roller.

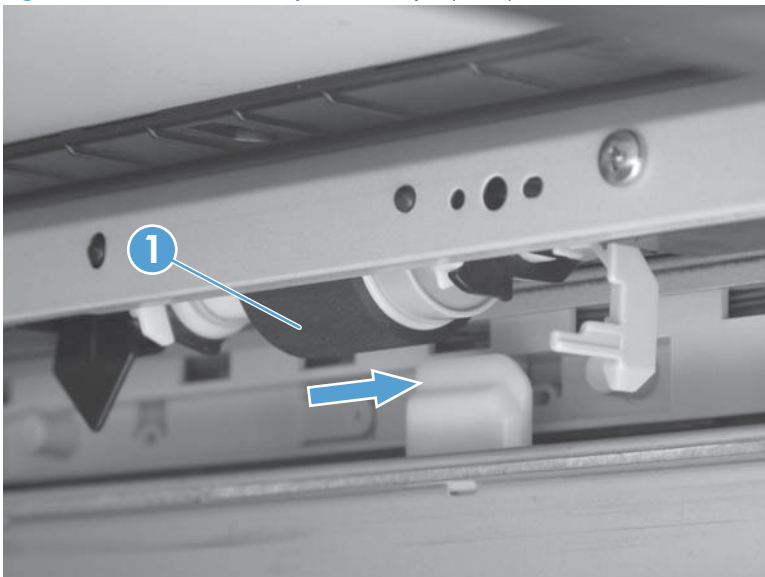
1. Remove the trays.
2. From the front of the product, on the right side of the tray cavity, rotate the stopper (callout 1) down.

Figure 1-3 Remove the Tray 2 and Tray 3 pickup rollers (1 of 2)



3. Push the pickup roller (callout 1) in the direction that the arrow indicates and remove it.

Figure 1-4 Remove the Tray 2 and Tray 3 pickup rollers (2 of 2)

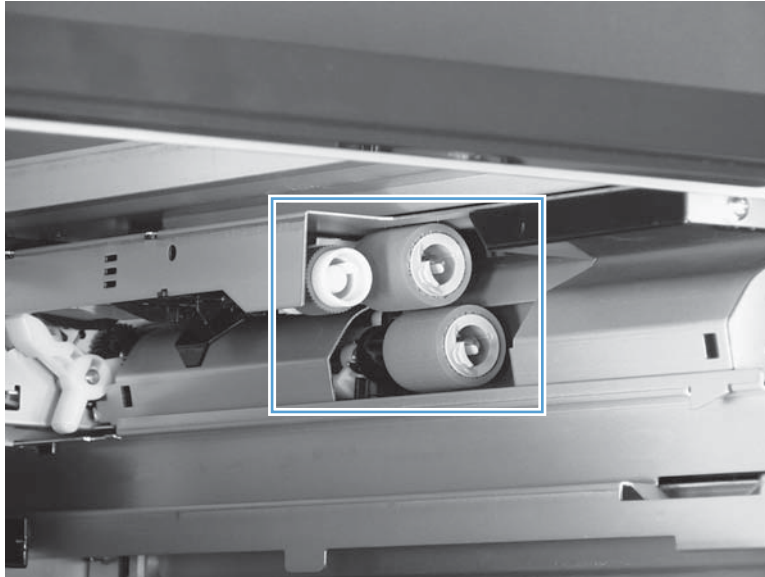


Tray 4, Tray 5, and Tray 6 pickup and feed rollers

NOTE: The same removal procedures apply to the 1x500-sheet tray, the 1x500-sheet tray stand, and the 3x500-sheet tray stand.

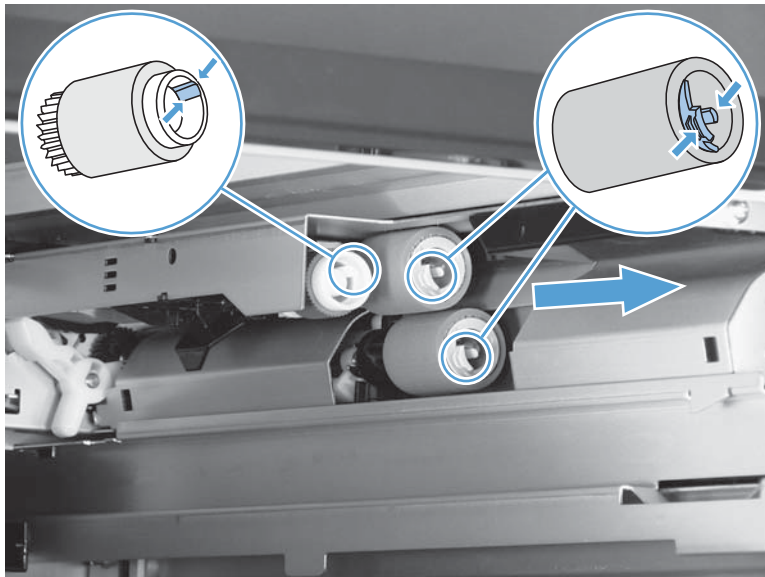
1. Remove the tray from the product, and then locate the rollers on the right-hand side of the tray cavity.

Figure 1-5 Remove the 1x500 or 3x500 rollers (1 of 2)



2. Release three tabs, and then pull the rollers in the direction of the arrow.

Figure 1-6 Remove the 1x500 or 3x500 rollers (2 of 2)



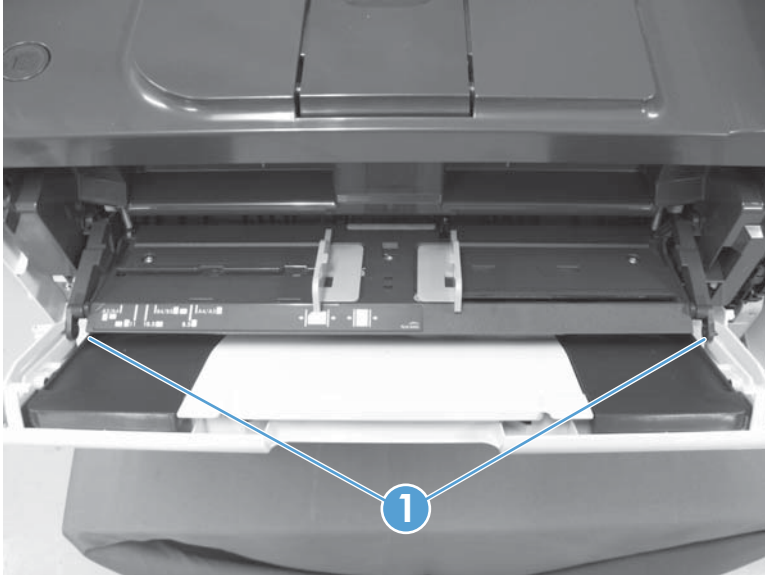
Reinstallation tip: When you reinstall the rollers, make sure that the rollers snap into place.

Separation pads and rollers

Tray 1 separation pad assembly

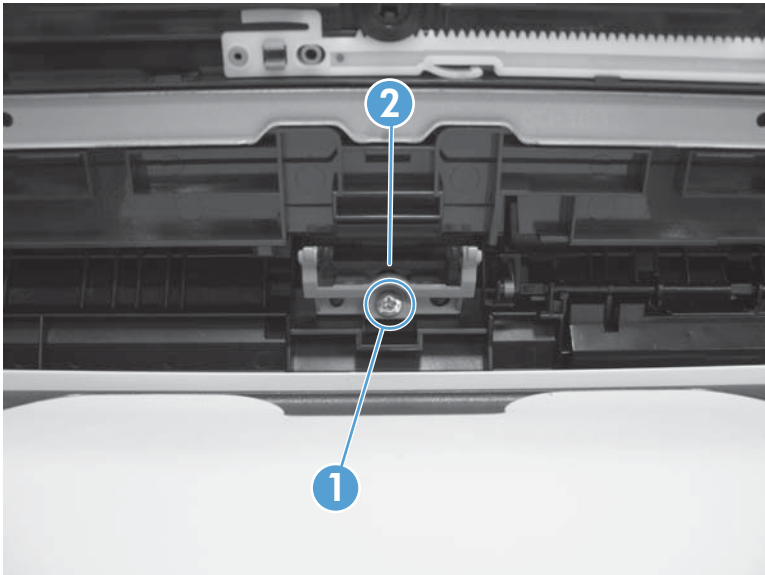
1. Open Tray 1.
2. Release two hinge pins (callout 1) on the Tray 1 cover assembly.

Figure 1-7 Remove the Tray 1 separation pad assembly (1 of 2)



3. Remove one screw (callout 1), and then remove the separation pad assembly (callout 2).

Figure 1-8 Remove the Tray 1 separation pad assembly (2 of 2)

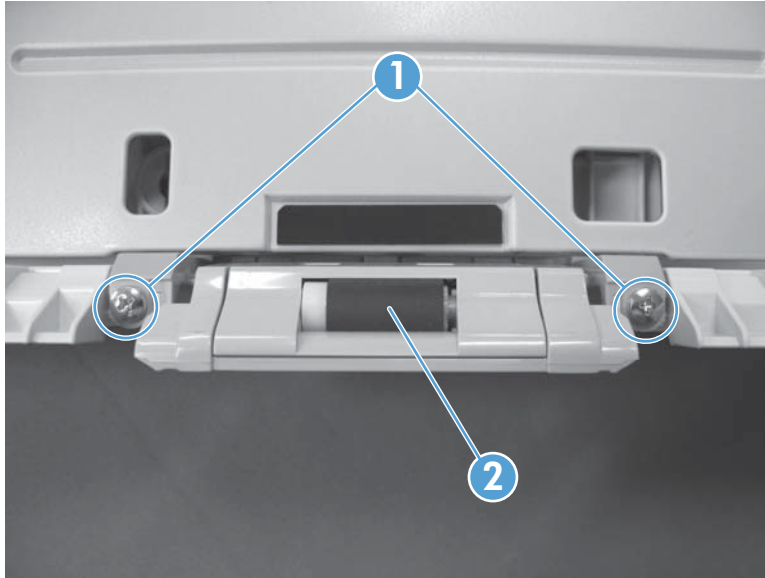


Tray 2 and Tray 3 separation rollers

NOTE: The same removal procedures apply to the Tray 2 separation roller and Tray 3 separation roller.

1. Remove the tray.
2. On the right side of the tray, remove two screws (callout 1), and then remove the roller.

Figure 1-9 Remove the Tray 2 and Tray 3 separation rollers



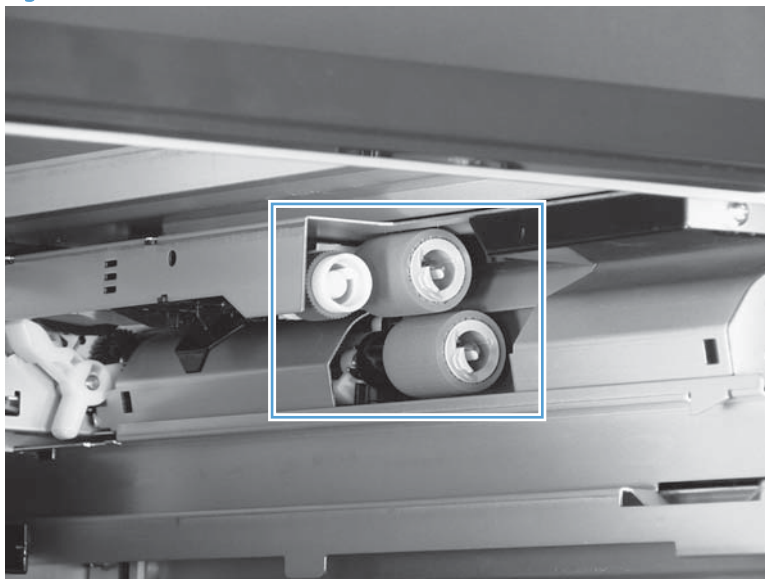
Tray 4, 5, and 6 separation rollers

CAUTION: Do not touch the spongy roller surface unless you are replacing the roller. Skin oils on the roller can cause paper pickup problems.

TIP: You do not have to separate the product from the feeder to remove these rollers.

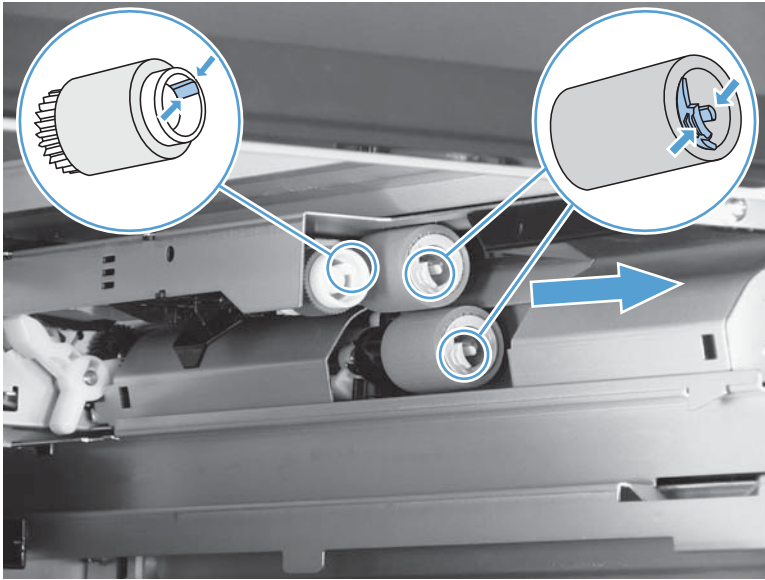
1. Remove the tray from the product, and then locate the rollers on the right-hand side of the tray cavity.

Figure 1-10 Remove the 1x500 or 3x500 rollers (1 of 2)



2. Release three tabs, and then pull the rollers in the direction of the arrow.

Figure 1-11 Remove the 1x500 or 3x500 rollers (2 of 2)



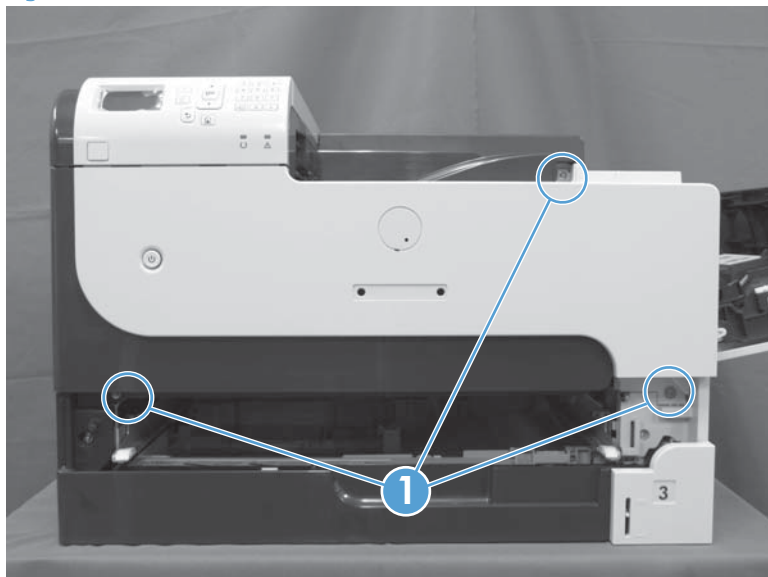
Reinstallation tip: When you reinstall the rollers, make sure that the rollers snap into place.

Covers and doors

Front cover

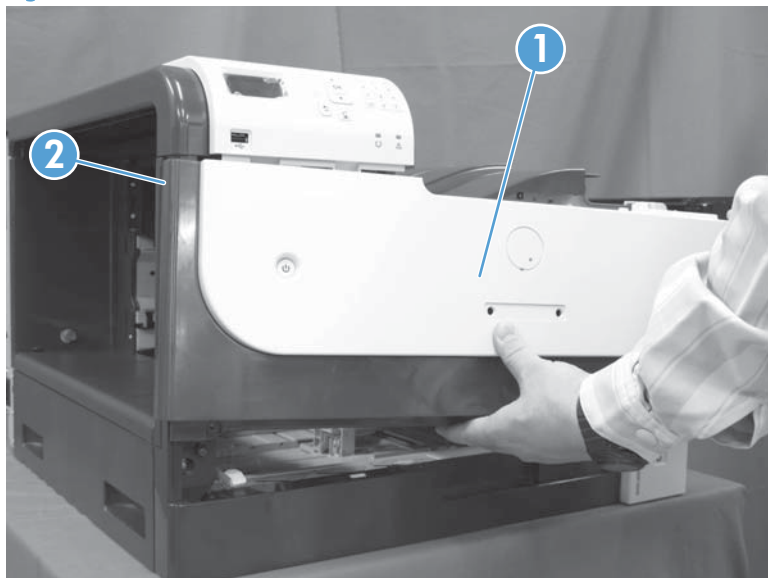
1. Remove Tray 2 and Tray 3, and open the toner cartridge door.
2. Remove three screws (callout 1).

Figure 1-12 Remove the front cover (1 of 2)



3. Pull the right side of the cover (callout 1) away from the product, and then release the tab (callout 2) on the left side of the cover to remove it from the product.

Figure 1-13 Remove the front cover (2 of 2)

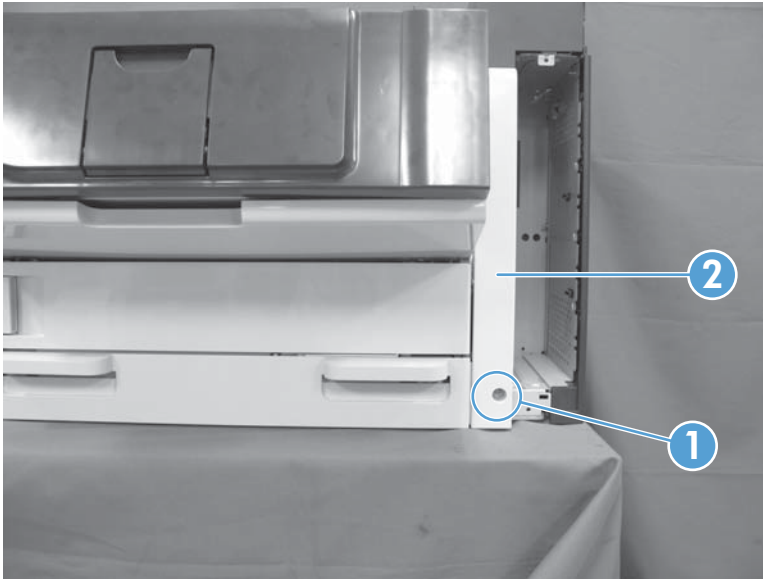


Right rear cover

1. Open the toner cartridge door.

2. Remove one screw (callout 1), and then lift the right rear cover (callout 2) away from the product.

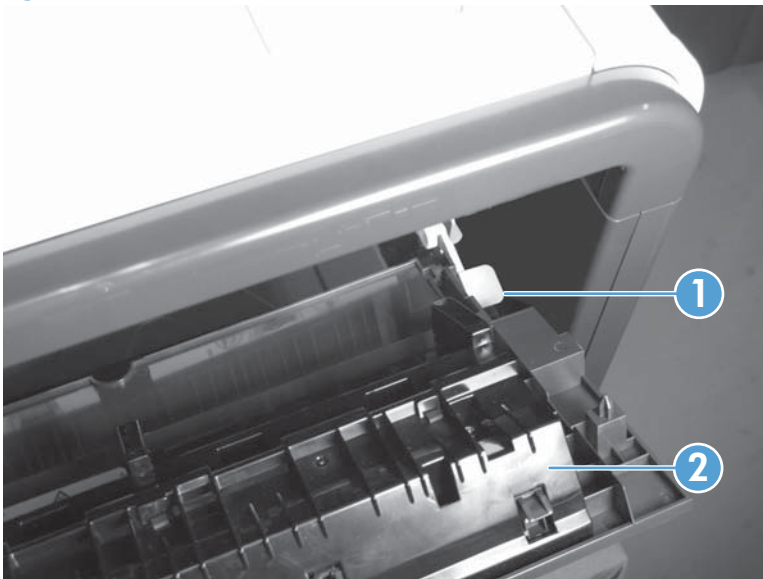
Figure 1-14 Remove the right rear cover



Left door

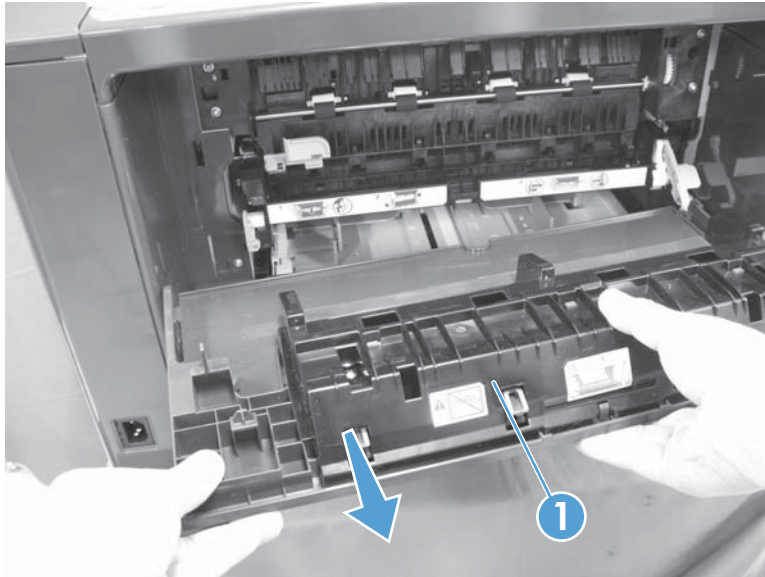
1. Remove the duplexer or the duplex cover. See [Duplexer or duplex cover on page 32](#).
2. Open the left door, and then lift up on the retainer arm (callout 1) to release it from the door assembly (callout 2).

Figure 1-15 Remove the left door (1 of 2)



3. Pull the left side of the assembly (callout 1) away from the product, release the pin on the right side of the assembly, and then remove the door assembly.

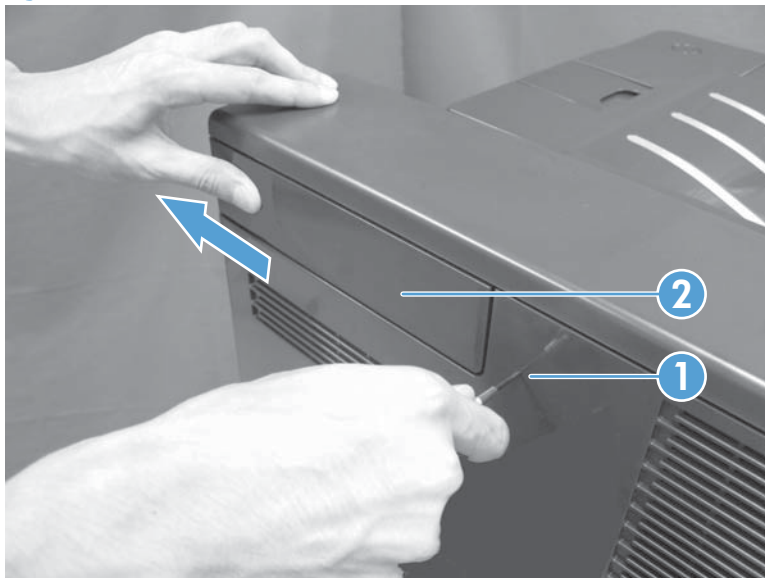
Figure 1-16 Remove the left door (2 of 2)



Rear cover

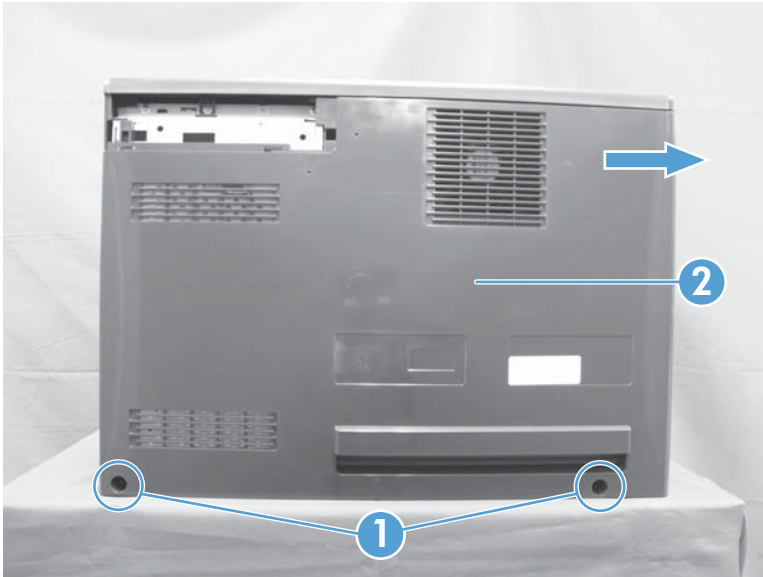
1. On the rear side of the product, insert a small screwdriver (or a paper clip) into the tab slot (callout 1) to release a hidden tab, and then slide the rear pocket cover (callout 2) in the direction indicated to remove the cover.

Figure 1-17 Remove the rear cover (1 of 2)



2. Remove two screws (callout 1), and then slide the rear cover (callout 2) in the direction indicated to remove the cover from the product.

Figure 1-18 Remove the rear cover (2 of 2)



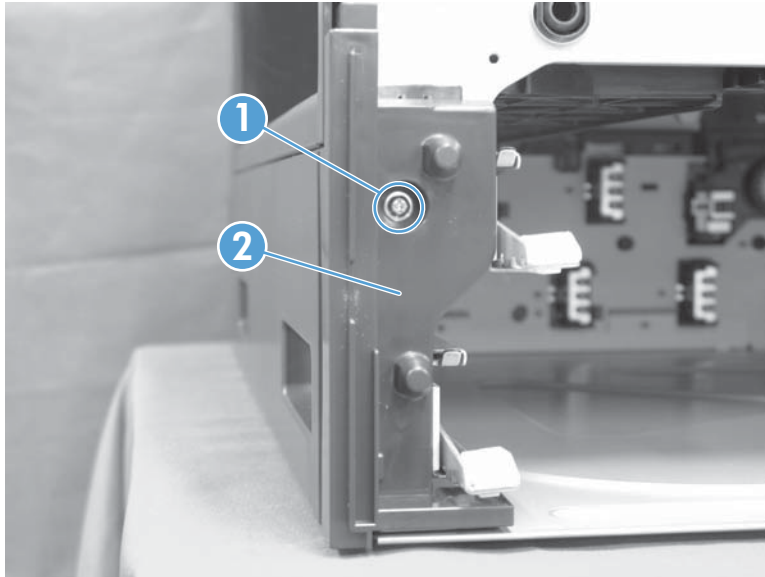
Reinstallation tip: During reinstallation, make sure that all cables are correctly positioned and not pinched against metal parts of the chassis when you slide the rear cover into place.

Front left lower cover

1. Remove the following components or assemblies:
 - Tray 2 and Tray 3.
 - Front cover. See [Front cover on page 13](#).

2. At the front of the product, remove one screw (callout 1), and then remove the cover (callout 2) from the product.

Figure 1-19 Remove the front left lower cover



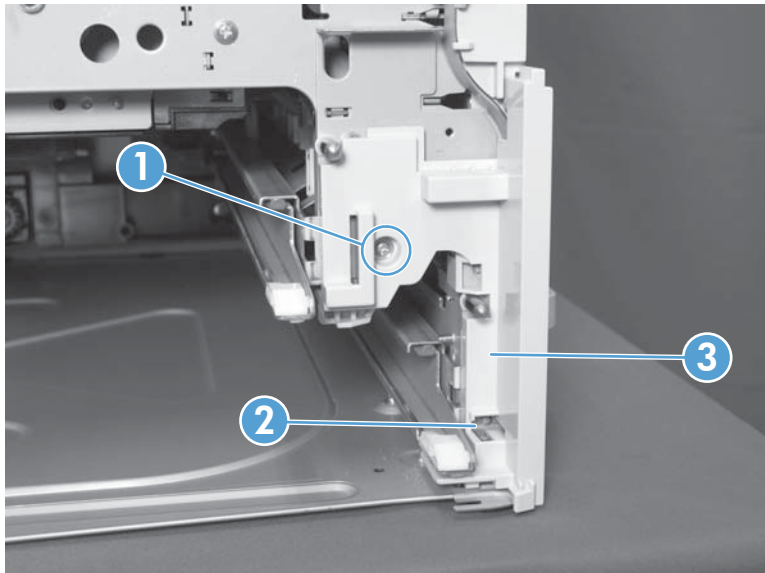
Front right lower cover

1. Remove the following components or assemblies:
 - Tray 2 and Tray 3.
 - Front cover. See [Front cover on page 13](#).

NOTE: If optional trays are installed, release the tray lock below the front right lower cover.

2. Remove one screw (callout 1), release one tab (callout 2), and then remove the cover (callout 3) from the product.

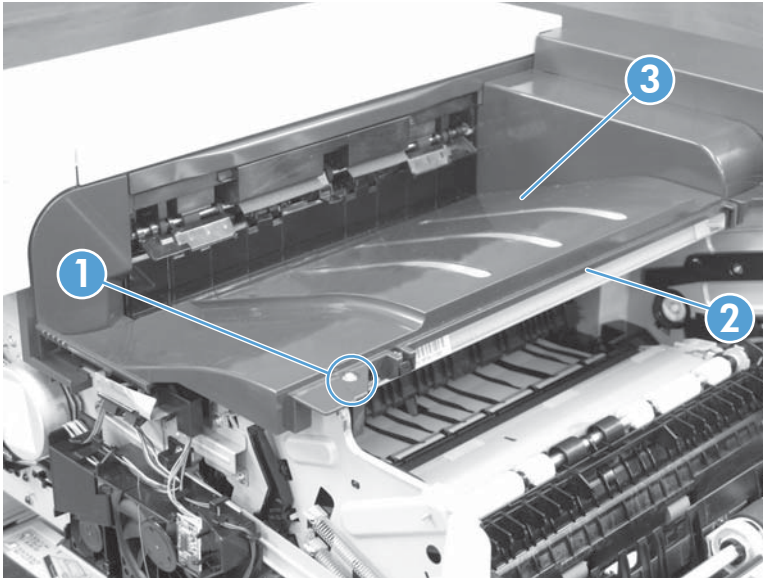
Figure 1-20 Remove the front right lower cover



Face-down cover

1. Open the toner cartridge door.
2. At the front of the product, remove one screw (callout 1), release one tab (callout 2) at the back of the metal rail under the cover, and then lift the left side of the cover to release 3 tabs on the rear side (callout 3) of the cover to remove the cover from the product.

Figure 1-21 Remove the face-down cover



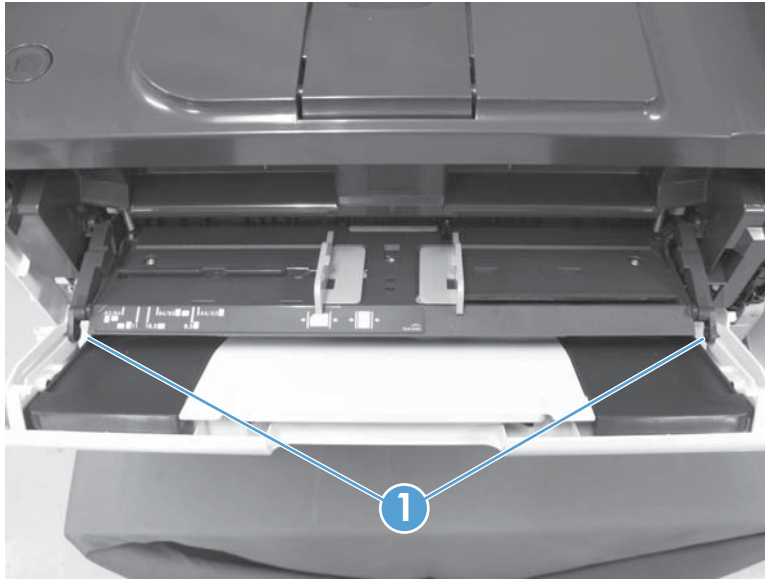
TIP: When you reinstall the face-down cover, make sure that the three tabs (callout 3) are properly inserted in the paper delivery assembly.

Tray 1 (multipurpose tray) cover

1. Remove the right rear cover. See [Right rear cover on page 13](#).
2. Open Tray 1.

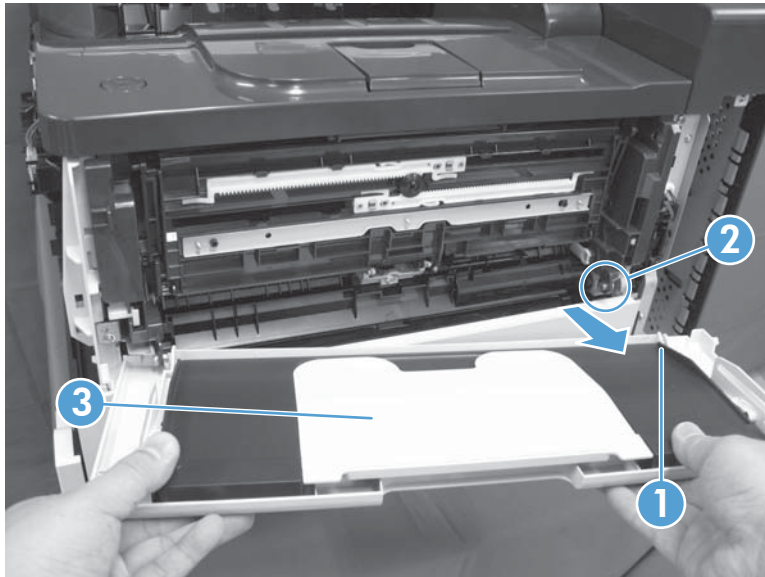
3. Inside Tray 1, release two pins (callout 1), and then raise the cover to a half-closed position.

Figure 1-22 Remove the Tray 1 (multipurpose tray) cover (1 of 2)



4. Pull the right side hinge slot (callout 1) away from the hinge pin (callout 2), and then remove the cover (callout 3) from the product.

Figure 1-23 Remove the Tray 1 (multipurpose tray) cover (2 of 2)

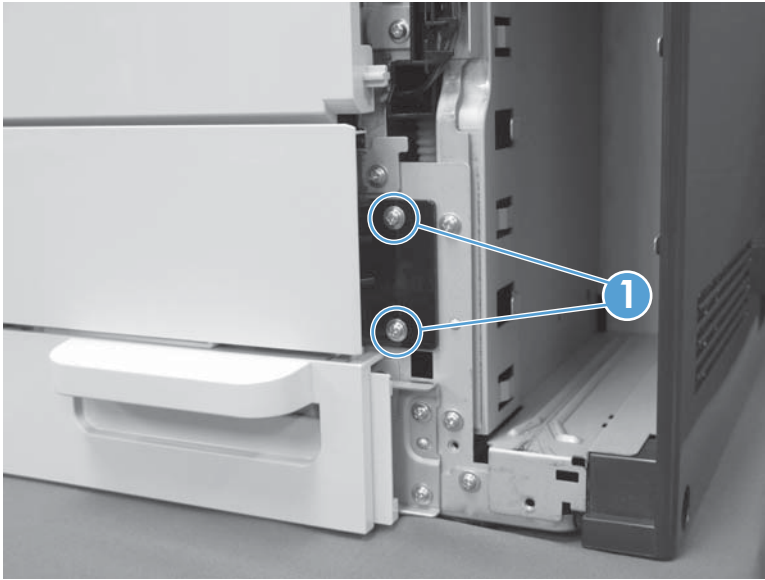


Right door

1. Remove the right rear cover. See [Right rear cover on page 13](#).

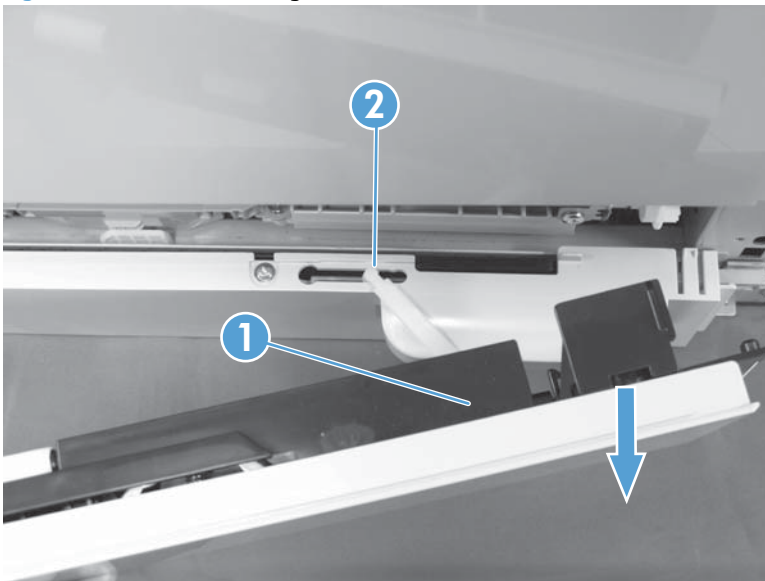
2. On the right side of the product, remove two screws (callout 1).

Figure 1-24 Remove the right door (1 of 3)



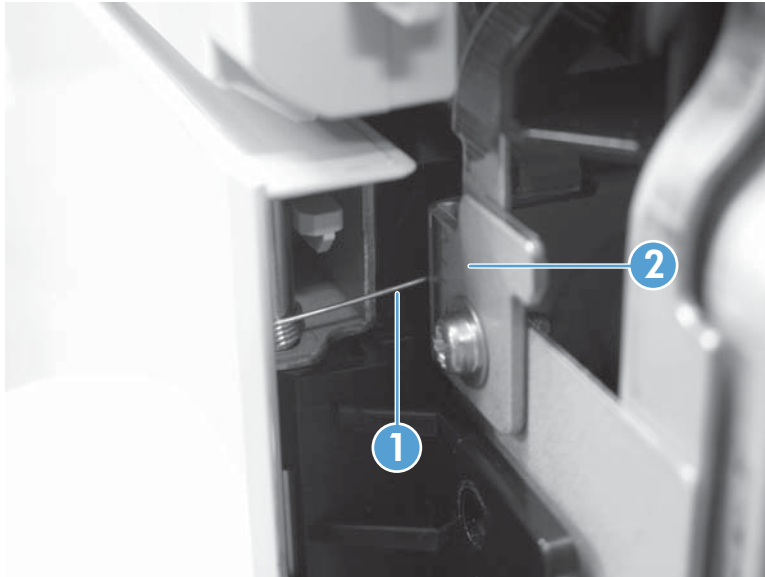
- 3.
4. Open the right door (callout 1), move it slightly toward the front of the product, and then release the door retainer arm (callout 2) to remove the right door.

Figure 1-25 Remove the right door (2 of 3)



5. Make sure that you correctly position the spring (callout 1) inside the metal chassis (callout 2) when you reinstall the right door.

Figure 1-26 Remove the right door (3 of 3)



Top cover

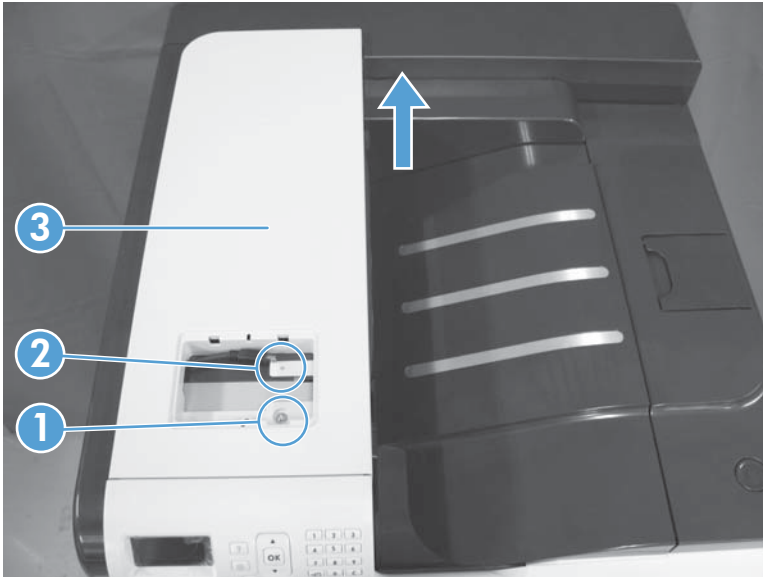
1. Use a small screwdriver to open and remove the hardware integration pocket cover (callout 1).

Figure 1-27 Remove the top cover (1 of 2)



2. Remove one screw (callout 1), release one tab (callout 2), and then slide the top cover (callout 3) in the direction indicated to remove it from the product.

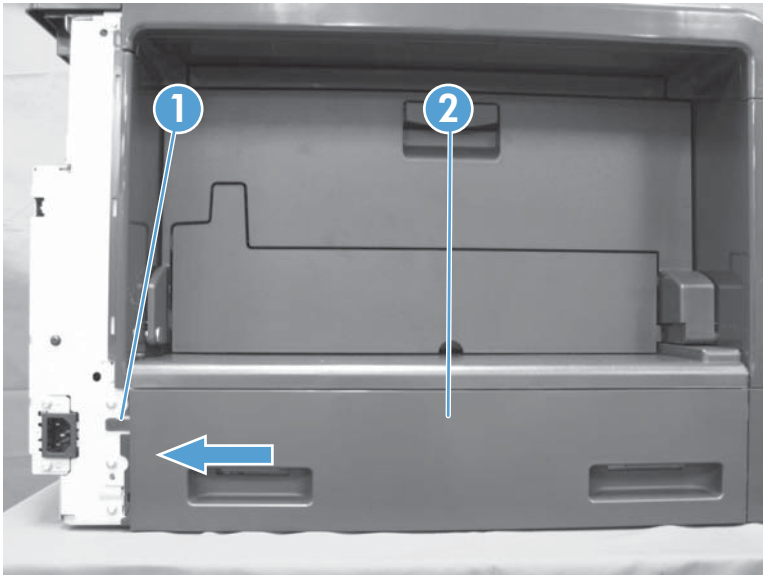
Figure 1-28 Remove the top cover (2 of 2)



Left handle cover

1. Remove the rear cover. See [Rear cover on page 15](#).
2. Release one tab (callout 1), and then slide the cover (callout 2) in the direction indicated to remove it from the product.

Figure 1-29 Remove the left handle cover

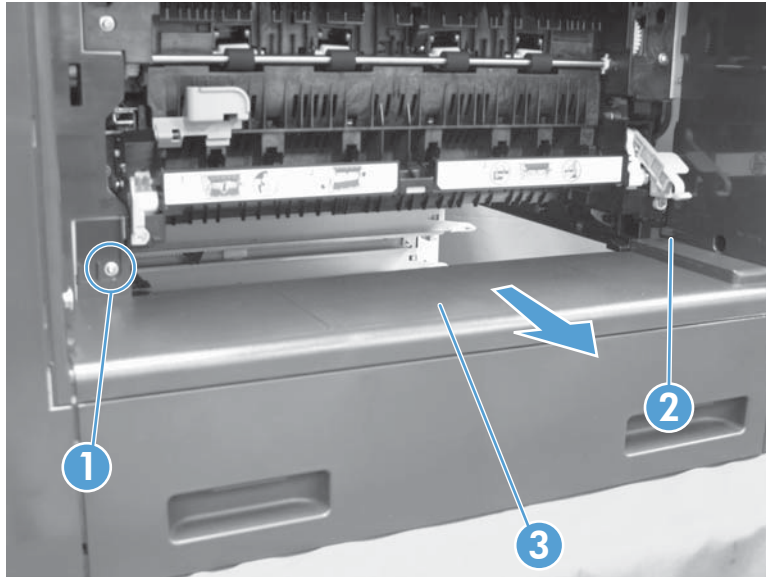


Left inner lower cover

1. Remove the left door. See [Left door on page 14](#).

2. Remove one screw (callout 1), release one tab (callout 2), and then slide the left inner lower cover (callout 3) in the direction indicated to remove it from the product.

Figure 1-30 Remove the left inner lower cover

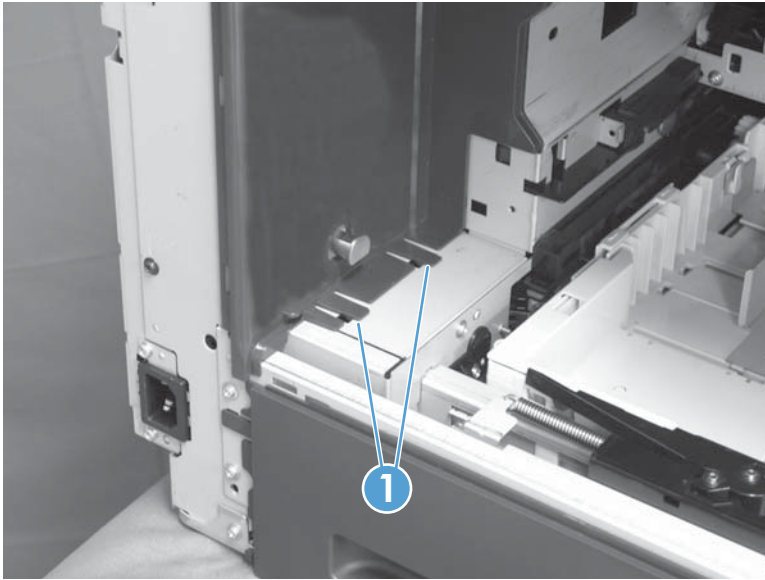


Left inner rear cover

1. Remove the following components or assemblies:
 - Left door. See [Left door on page 14](#).
 - Left inner lower cover. See [Left inner lower cover on page 22](#).
 - Fuser. See [Fuser on page 33](#).
 - Rear cover. See [Rear cover on page 15](#).

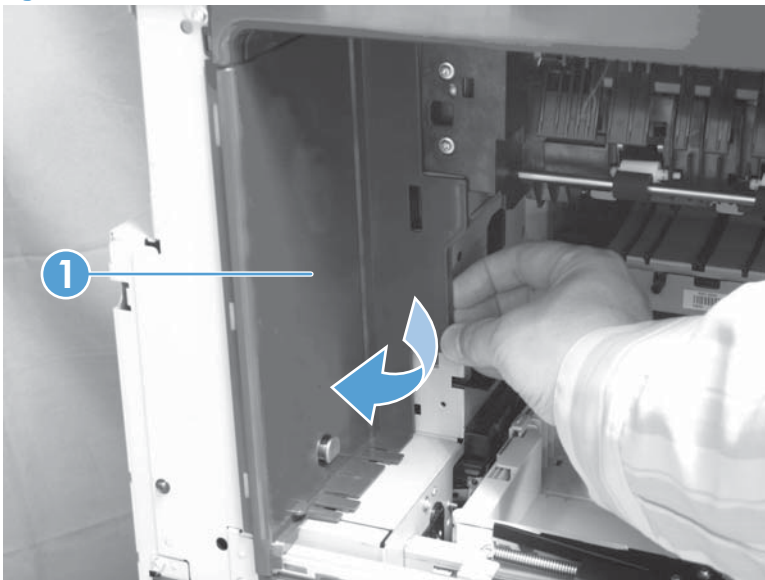
2. Release two tabs (callout 1).

Figure 1-31 Remove the left inner rear cover (1 of 2)



3. Slide the left inner rear cover (callout 1) in the direction indicated to remove the cover from the product.

Figure 1-32 Remove the left inner rear cover (2 of 2)

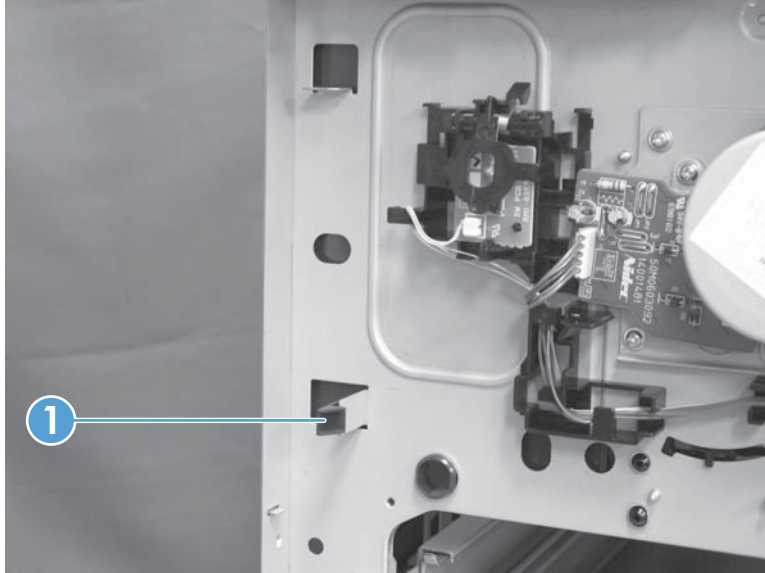


Left inner front cover

1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Front left lower cover. See [Front left lower cover on page 16](#).
 - Left door. See [Left door on page 14](#).

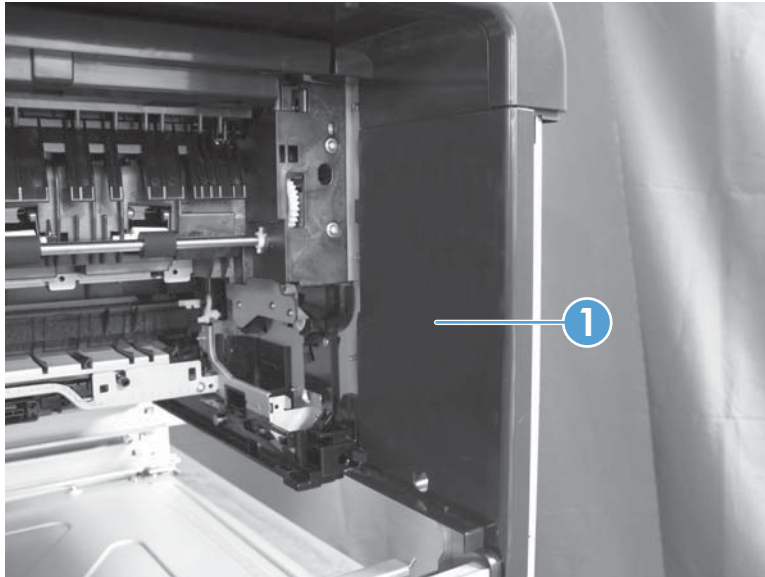
- Fuser. See [Fuser on page 33](#).
 - Left inner lower cover. See [Left inner lower cover on page 22](#).
2. On the left side of the product, release one tab (callout 1).

Figure 1-33 Remove the left inner front cover (1 of 2)



3. Inside the product, slide the cover (callout 1) toward you to remove it from the product.

Figure 1-34 Remove the left inner front cover (2 of 2)

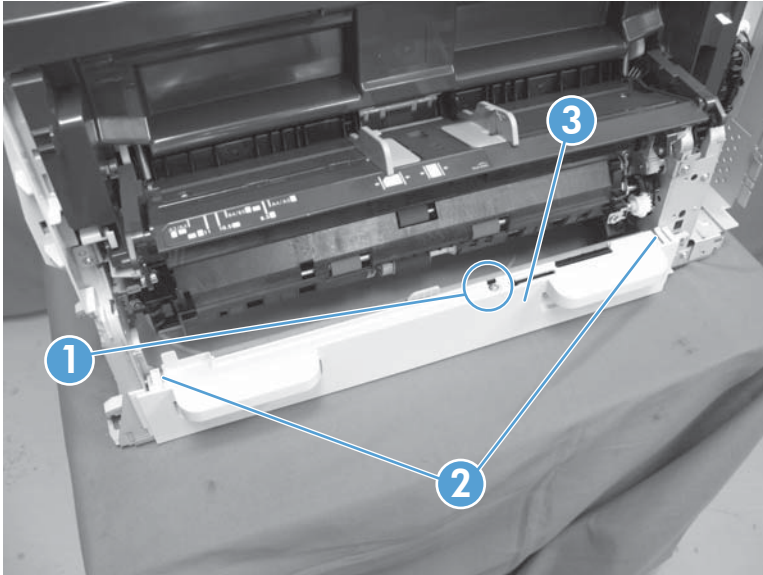


Right handle cover

1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Front right lower cover. See [Front right lower cover on page 17](#).

- Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).
2. On the right side of the product, remove one screw (callout 1), release two tabs (callout 2), and then pull the top of the cover (callout 3) to remove it from the product.

Figure 1-35 Remove the right handle cover

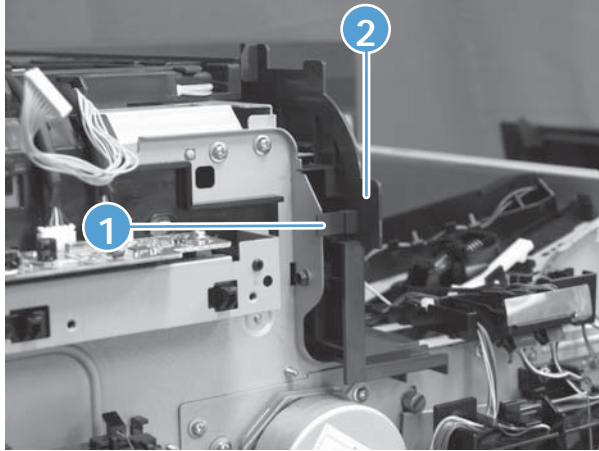


Face-down side cover

1. Remove the following components or assemblies:
 - Top cover. See [Top cover on page 21](#).
 - Face-down cover. See [Face-down cover on page 18](#).
 - Front cover. See [Front cover on page 13](#).
 - Control panel. See [Control panel assembly on page 34](#).

2. On the left side at the front of the product, release one tab (callout 1), and then remove the cover (callout 2) from the product.

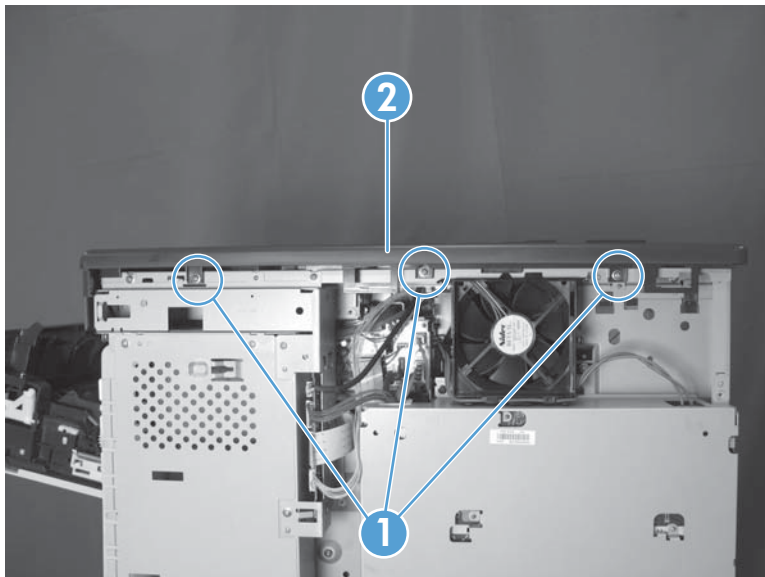
Figure 1-36 Remove the face-down side cover



Top rear cover

1. Remove the following components or assemblies:
 - Top cover. See [Top cover on page 21](#).
 - Face-down cover. See [Face-down cover on page 18](#).
 - Front cover. See [Front cover on page 13](#).
 - Rear cover. See [Rear cover on page 15](#).
2. Open the toner cartridge door.
3. On the rear side of the product, remove three screws (callout 1), and then remove the cover (callout 2) from the product.

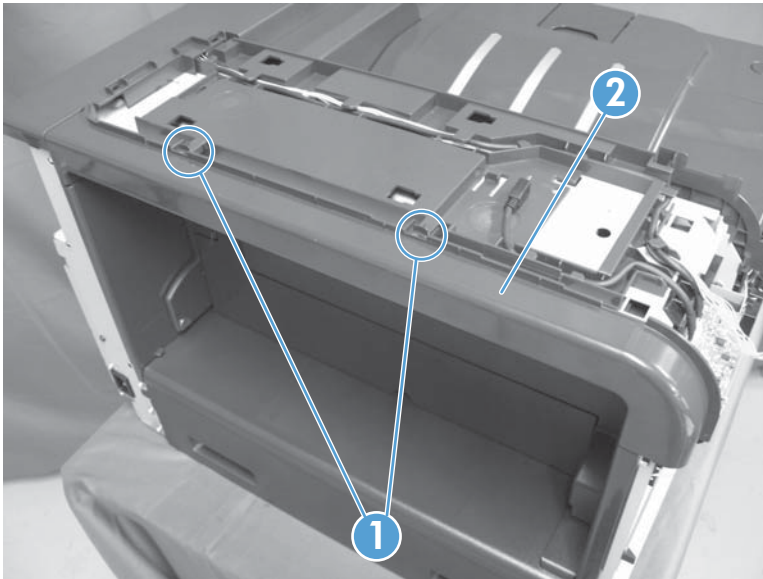
Figure 1-37 Remove the top rear cover



Left upper cover

1. Remove the following components or assemblies:
 - Top cover. See [Top cover on page 21](#).
 - Front cover. See [Front cover on page 13](#).
 - Control panel. See [Control panel assembly on page 34](#).
 - Rear cover. See [Rear cover on page 15](#).
2. Release two tabs (callout 1), and then remove the cover (callout 2) from the product.

Figure 1-38 Remove the left upper cover

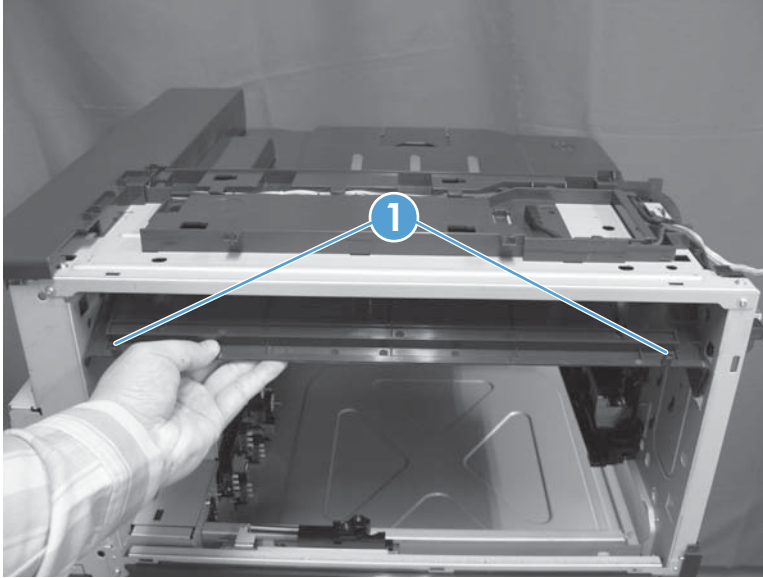


Left inner upper cover

1. Remove the following components or assemblies:
 - Top cover. See [Top cover on page 21](#).
 - Front cover. See [Front cover on page 13](#).
 - Control panel. See [Control panel assembly on page 34](#).
 - Rear cover. See [Rear cover on page 15](#).
 - Left door. See [Left door on page 14](#).
 - Fuser. See [Fuser on page 33](#).
 - Left inner lower cover. See [Left inner lower cover on page 22](#).
 - Left inner rear cover. See [Left inner rear cover on page 23](#).
 - Left inner front cover. See [Left inner front cover on page 24](#).
 - Left upper cover. See [Left upper cover on page 28](#).

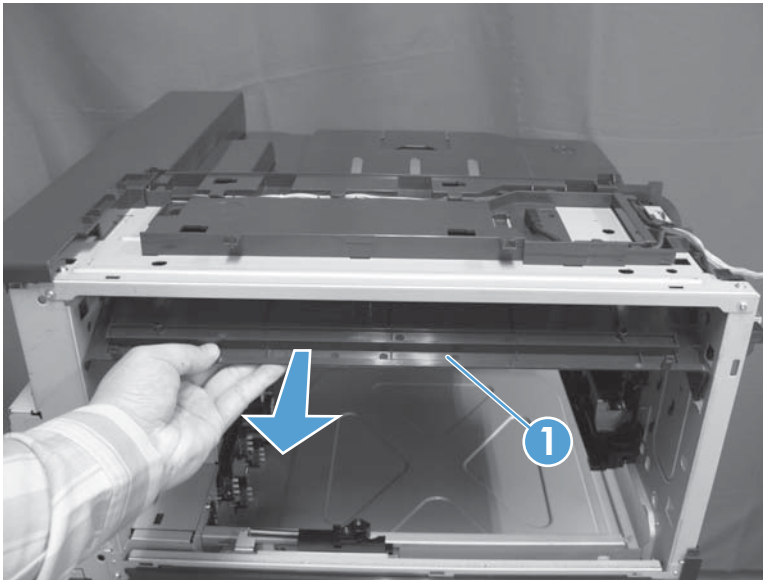
2. On the left side of the product, release two tabs (callout 1).

Figure 1-39 Remove the left inner upper cover (1 of 2)



3. Pull the cover (callout 1) down and toward you to remove it from the product.

Figure 1-40 Remove the left inner upper cover (2 of 2)

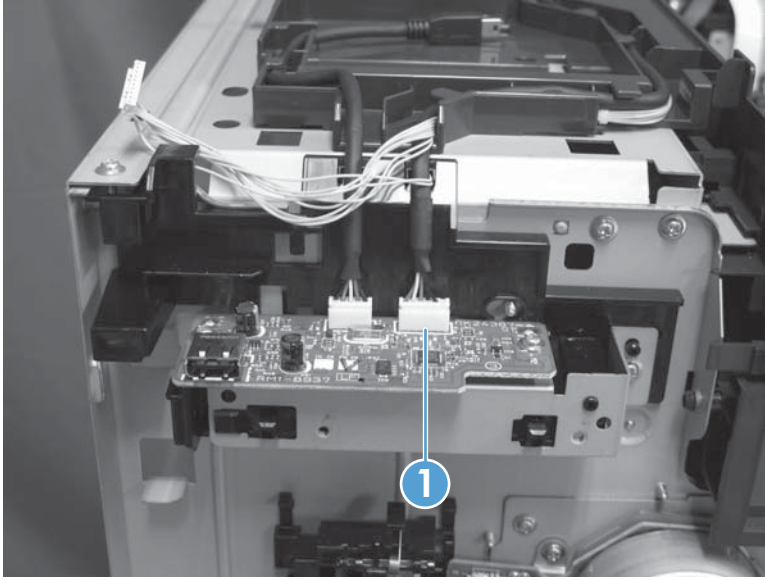


Face-down upper cover

1. Remove the following components or assemblies:
 - Top cover. See [Top cover on page 21](#).
 - Face-down cover. See [Face-down cover on page 18](#).
 - Front cover. See [Front cover on page 13](#).
 - Control panel. See [Control panel assembly on page 34](#).

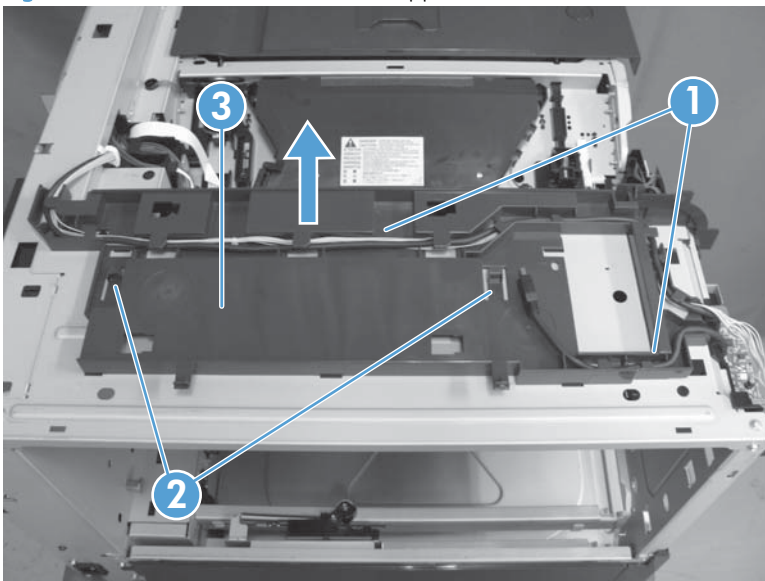
- Rear cover. See [Rear cover on page 15](#).
 - Top rear cover. See [Top rear cover on page 27](#).
 - Left upper cover. See [Left upper cover on page 28](#).
2. Open the toner cartridge door.
 3. On the front side of the product, disconnect one connector (callout 1) on the control panel PCA.

Figure 1-41 Remove the face-down upper cover (1 of 2)



4. Release the cables from the cable guides (callout 1), release two tabs (callout 2), and then slide the cover (callout 3) in the direction indicated to remove it from the product.

Figure 1-42 Remove the face-down upper cover (2 of 2)



Main assemblies

- [Duplexer or duplex cover](#)
- [Fuser](#)
- [Control panel assembly](#)
- [Paper delivery assembly](#)
- [Registration assembly](#)
- [Transfer roller](#)
- [Paper feed assembly](#)
- [Laser scanner](#)
- [Toner cartridge door](#)
- [Formatter cage assembly](#)
- [Upper cassette pickup assembly](#)
- [Lower cassette pickup assembly](#)
- [Lifter drive assembly](#)
- [Main drive assembly](#)
- [Fuser drive assembly](#)

Duplexer or duplex cover

If the product is equipped with a duplexer, complete the following steps.

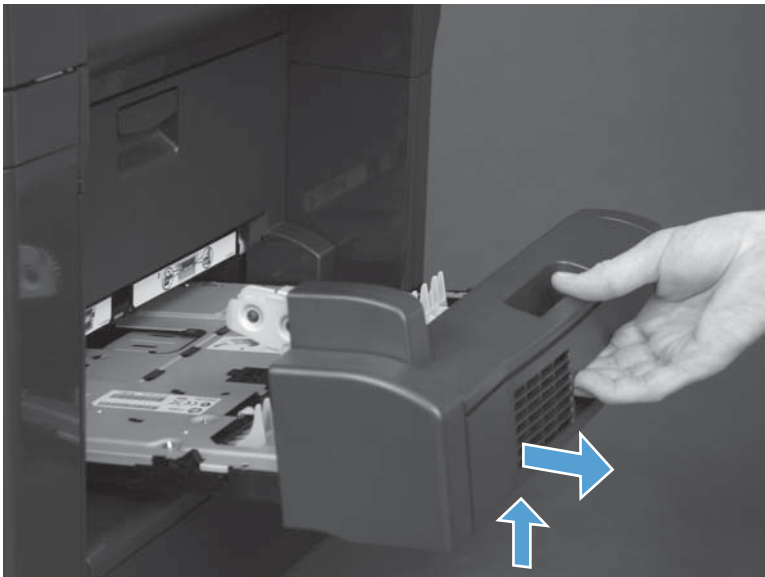
1. At the left side of the product, pull out the duplexer until it stops.

Figure 1-43 Remove the duplexer (1 of 2)



2. Lift up the duplexer and slightly pull it toward you to remove it.

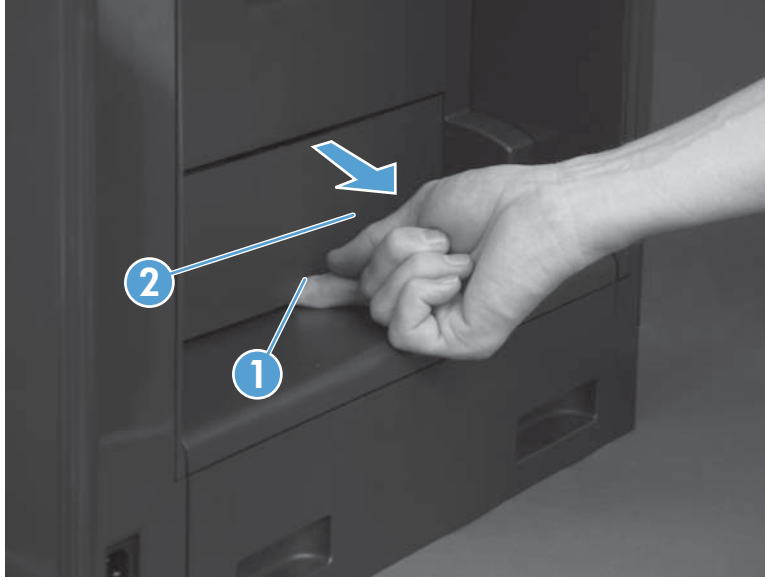
Figure 1-44 Remove the duplexer (2 of 2)



If the product does not have a duplexer, complete the following steps to remove the duplex cover.

- ▲ On the left side of the product, place a finger in the notch (callout 1) at the bottom of the cover, and then pull the cover (callout 2) in the direction indicated to remove it from the product.

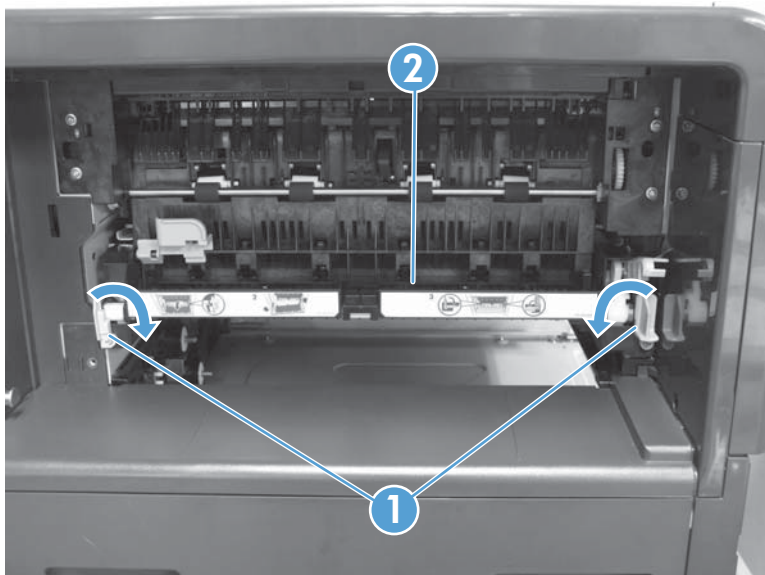
Figure 1-45 Remove the duplex cover



Fuser

1. Remove the following components or assemblies:
 - Duplexer or duplexer access cover. See [Duplexer or duplex cover on page 32](#).
 - Left door. See [Left door on page 14](#).
2. Turn the two latches (callout 1) in the direction indicated, and then pull the fuser (callout 2) straight out to remove it from the product.

Figure 1-46 Remove the fuser

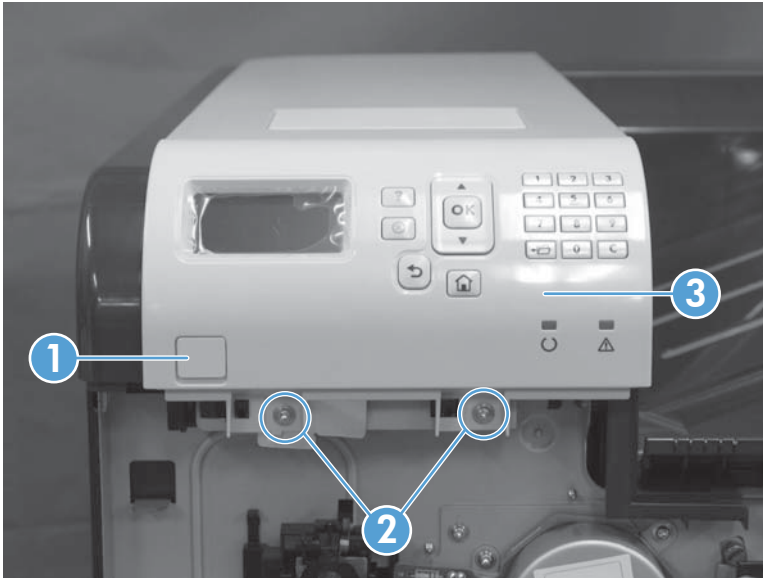


NOTE: On the right side latch, you must reach behind the fuser door retainer to gain access to the latch.

Control panel assembly

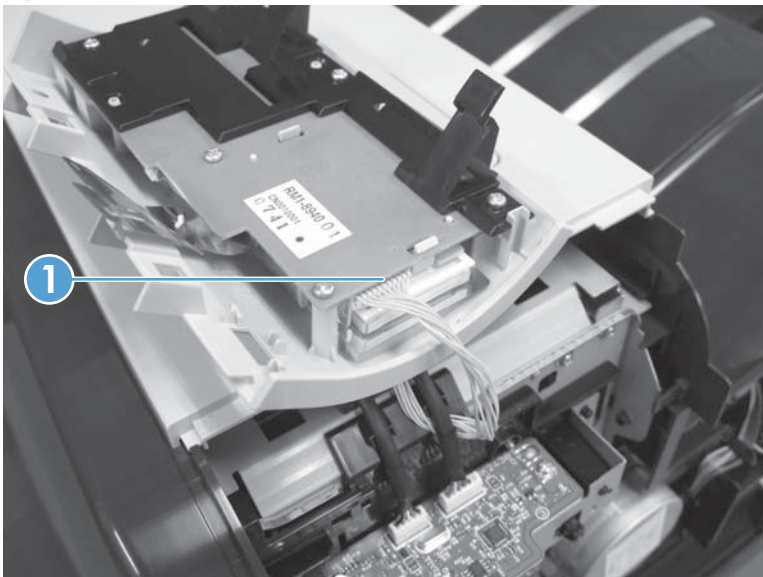
1. Remove the front cover. See [Front cover on page 13](#).
2. Remove the USB cap (callout 1), remove two screws (callout 2), and then pull the control panel (callout 3) away from the product.

Figure 1-47 Remove the control panel (1 of 2)



3. On the underside of the control panel, disconnect one connector (callout 1) to remove the control panel from the product.

Figure 1-48 Remove the control panel (2 of 2)



Paper delivery assembly

1. Remove the following components or assemblies:

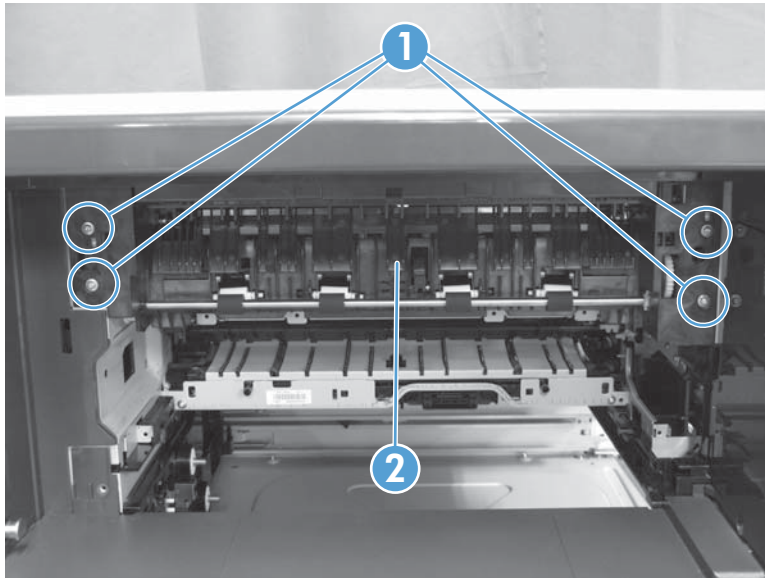
- Face-down cover. See [Face-down cover on page 18](#).
 - Fuser. See [Fuser on page 33](#).
2. At the top of the product near the left side, disconnect one connector (callout 1).

Figure 1-49 Remove the paper delivery assembly (1 of 2)



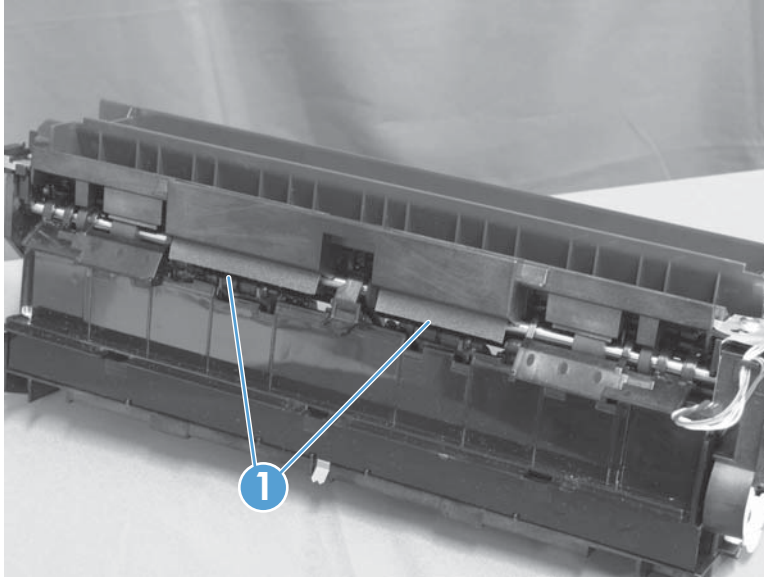
3. Remove four screws (callout 1), and then pull the paper delivery assembly (callout 2) straight out to remove it from the product.

Figure 1-50 Remove the paper delivery assembly (2 of 2)



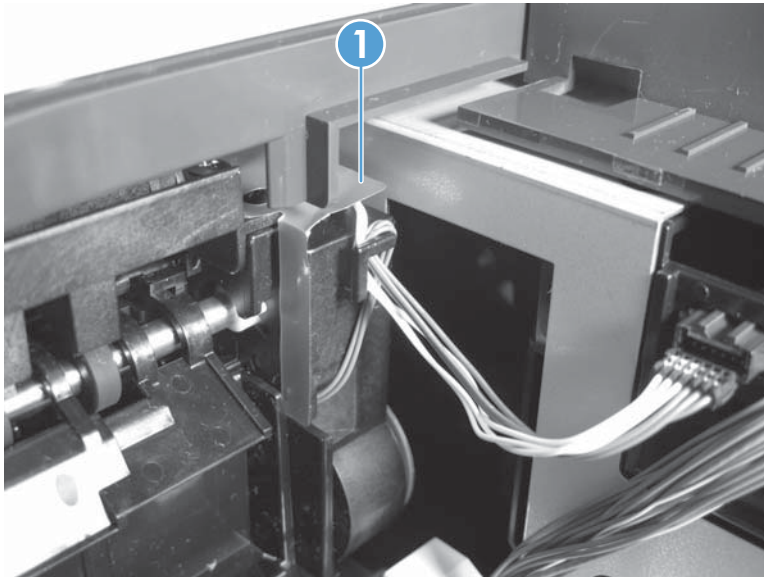
NOTE: When holding the paper delivery assembly, do not touch the static eliminators (callout 1).

Figure 1-51 Static eliminators on the paper delivery assembly



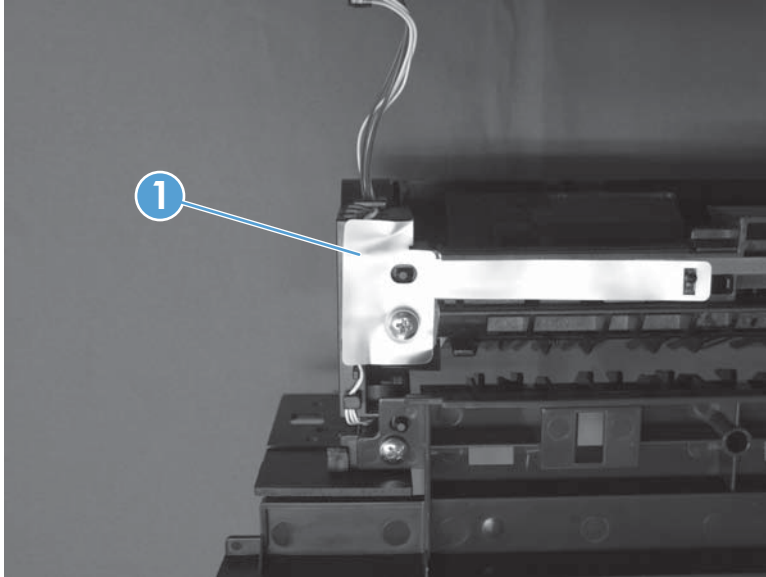
Reinstallation tip: When reassembling the paper delivery assembly, make sure that the sheet (callout 1) does not turn up.

Figure 1-52 Reinstall the paper delivery assembly (1 of 2)



Reinstallation tip: If the sheet (callout 1) turns up, remove the paper delivery assembly, flatten the sheet, and then reassemble the paper delivery assembly.

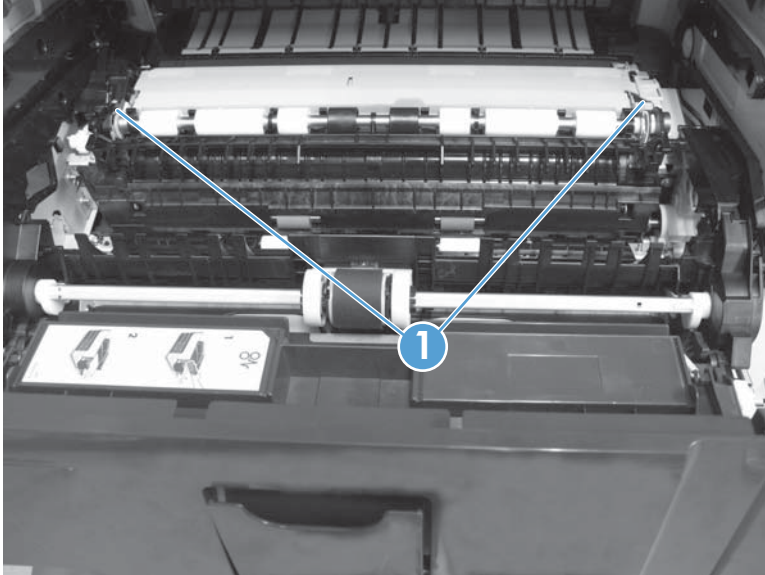
Figure 1-53 Reinstall the paper delivery assembly (2 of 2)



Registration assembly

1. Open the toner cartridge door.
2. From the right side of the product, remove two screws (callout 1).

Figure 1-54 Remove the registration assembly (1 of 2)



3. The following two figures show the screws in detail.

Figure 1-55 Registration assembly left screw

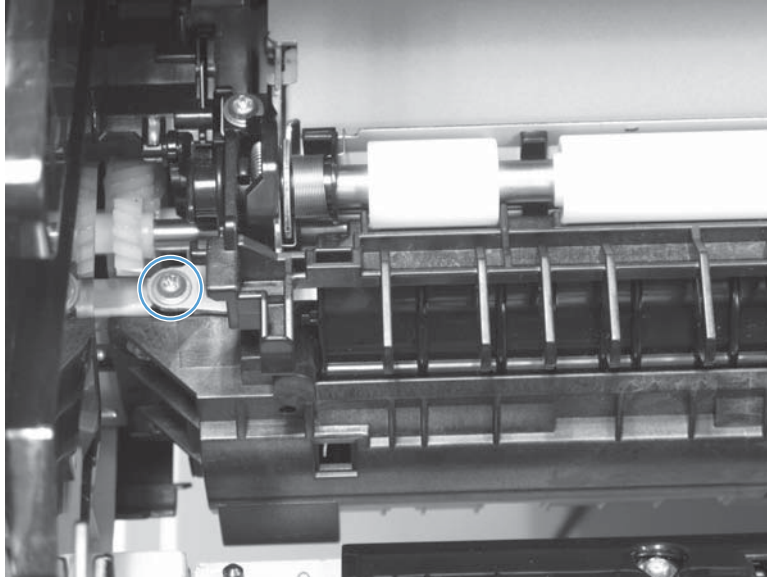
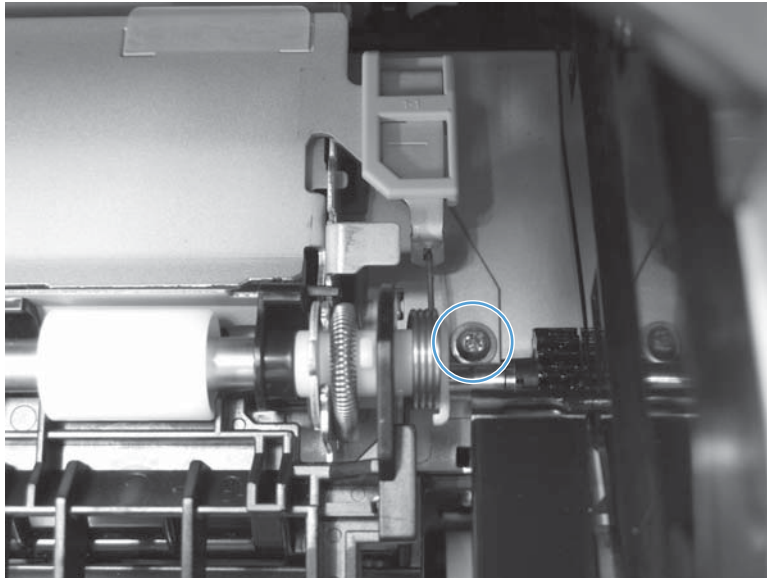
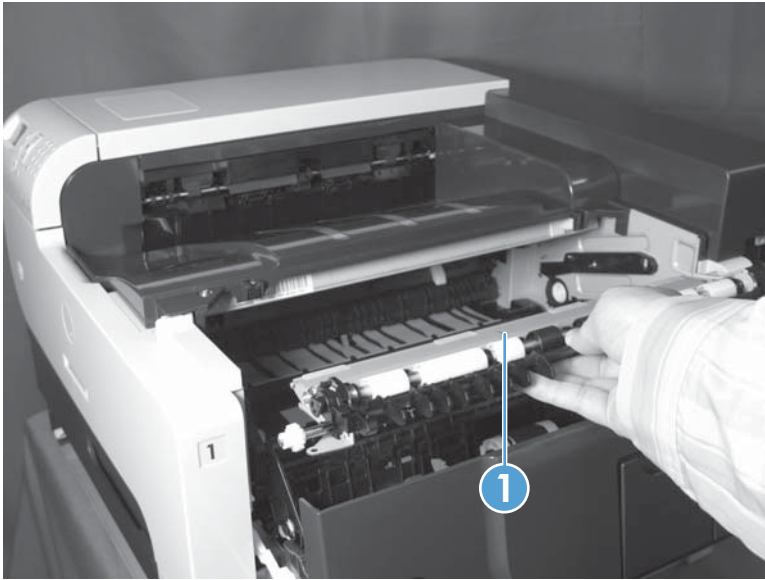


Figure 1-56 Registration assembly right screw



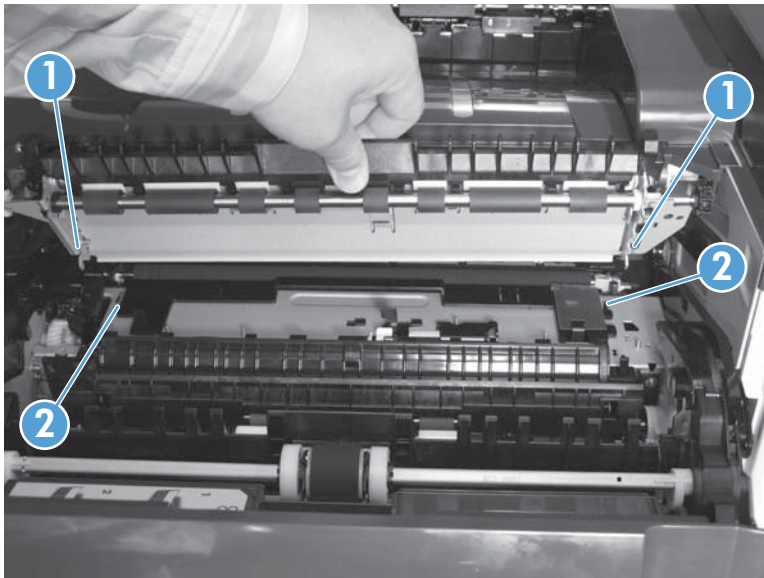
- Carefully pull the registration assembly (callout 1) out of the product.

Figure 1-57 Remove the registration assembly (2 of 2)



Reinstallation tip: When reassembling the registration assembly, make sure that the hooks (callout 1) on the rear side of assembly are seated in the slots (callout 2) on both sides.

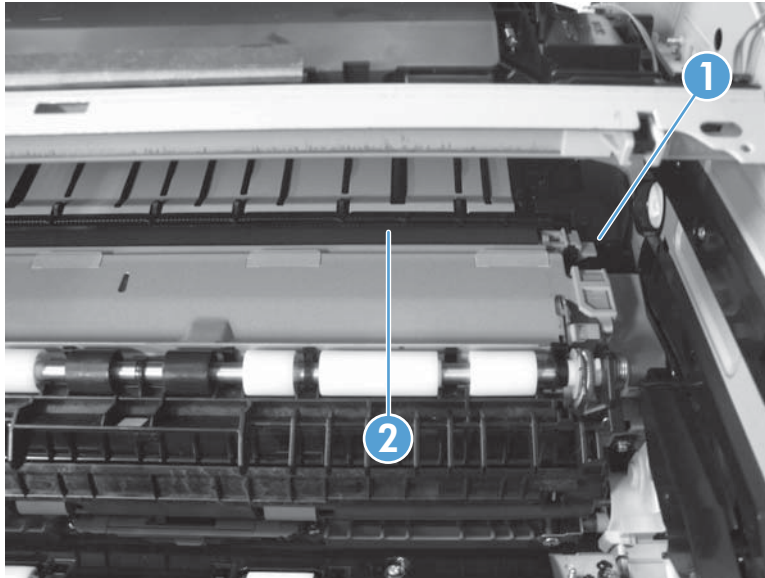
Figure 1-58 Reinstalling the registration assembly



Transfer roller

1. Open the toner cartridge door.
2. On the right end of the roller, pull up on the tab (callout 1) to loosen the roller (callout 2), and then remove the roller from the product.

Figure 1-59 Remove the transfer roller

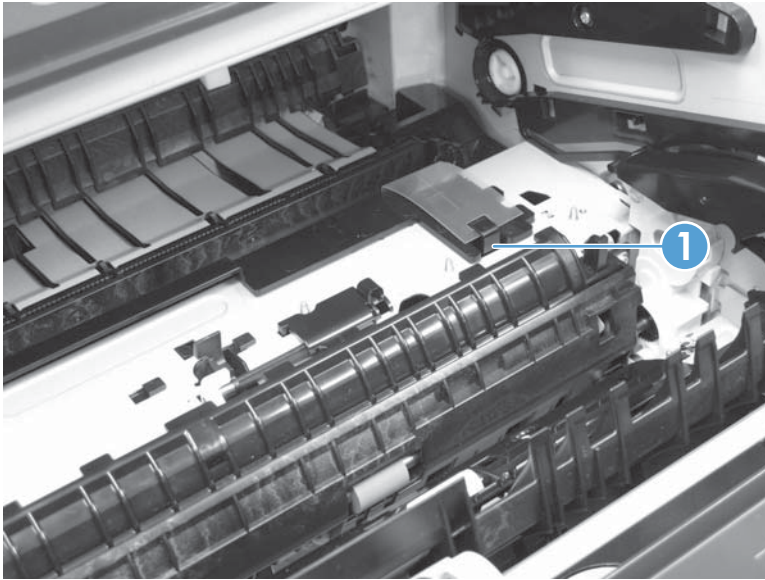


Paper feed assembly

1. Remove the following components or assemblies:
 - Fuser. See [Fuser on page 33](#).
 - Registration assembly. See [Registration assembly on page 38](#).
 - Transfer roller. See [Transfer roller on page 41](#).

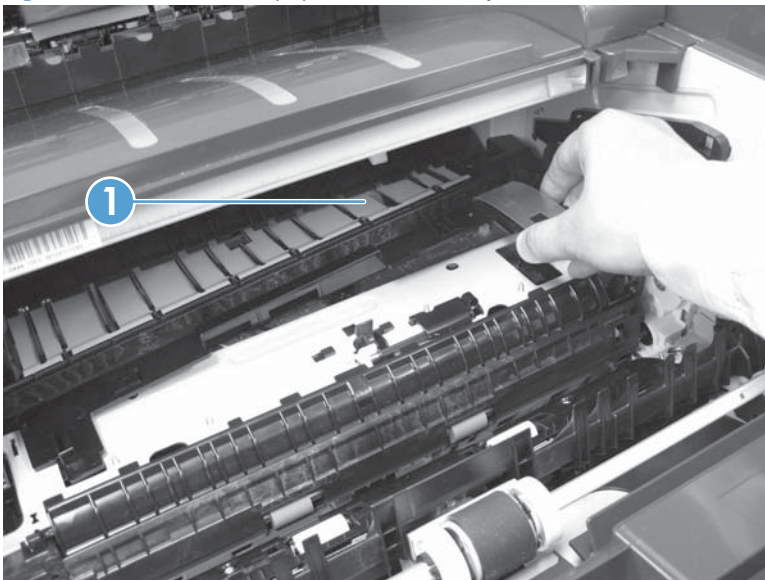
2. On the right side of the product, release one tab (callout 1).

Figure 1-60 Remove the paper feed assembly (1 of 4)



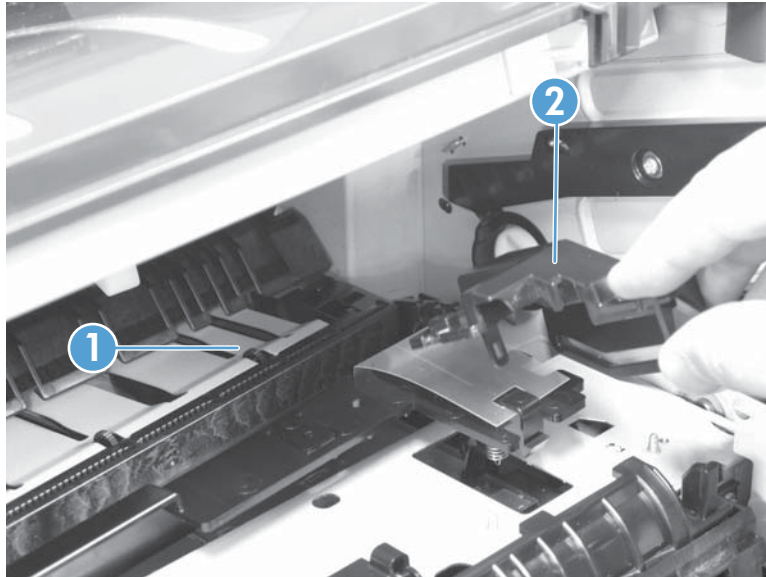
3. Hold up the right side of the paper feed assembly (callout 1).

Figure 1-61 Remove the paper feed assembly (2 of 4)



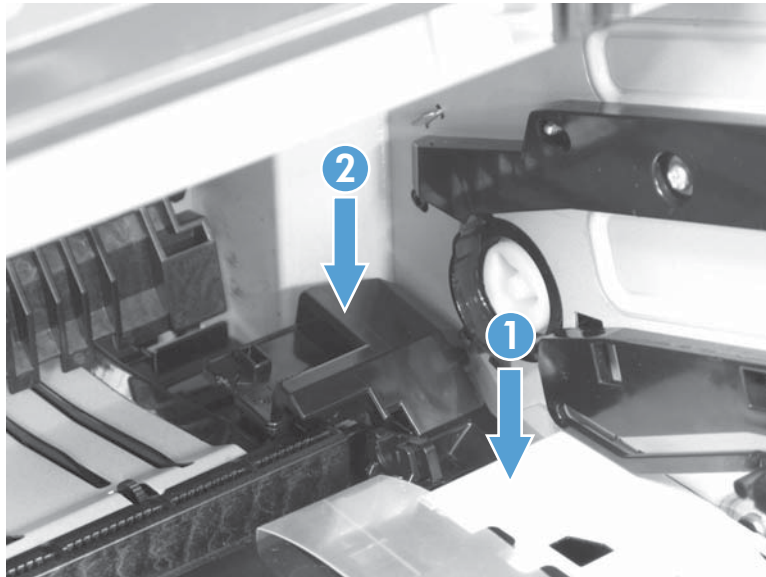
4. Beneath the paper feed assembly (callout 1), remove the connector cover (callout 2) by pulling the rear part of the cover up and toward you to release the front part of the cover.

Figure 1-62 Remove the paper feed assembly (3 of 4)



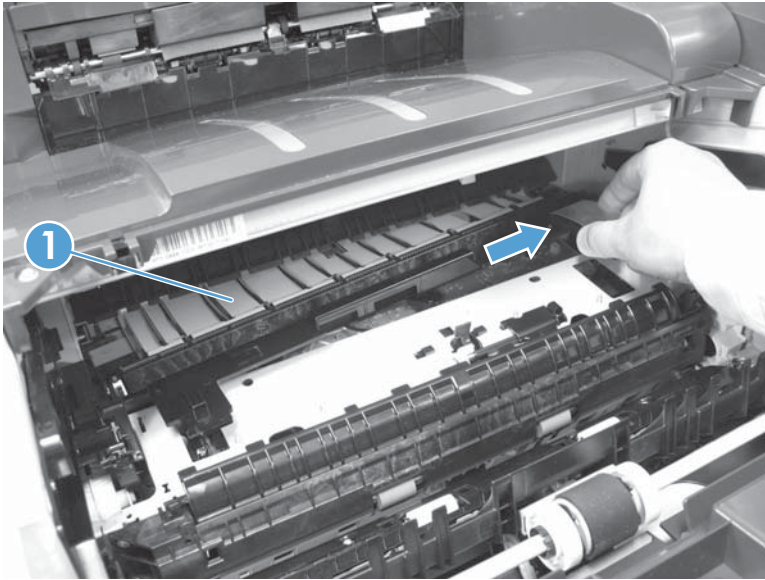
Reinstallation tip: When reinstalling the connector cover, insert the front side (callout 1) first, and then press down on the rear end (callout 2) of the cover to snap it in place.

Figure 1-63 Reinstall the connector cover



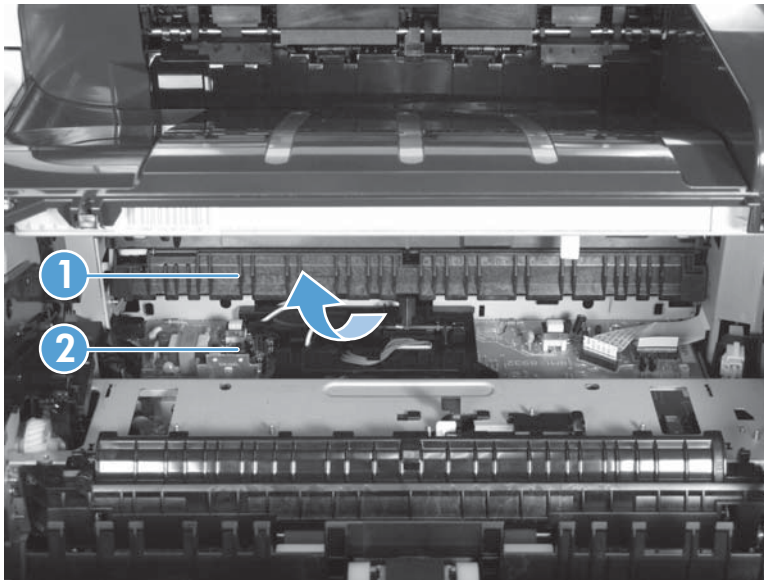
5. Slide the paper feed assembly (callout 1) in the direction indicated to remove it from the product.

Figure 1-64 Remove the paper feed assembly (4 of 4)



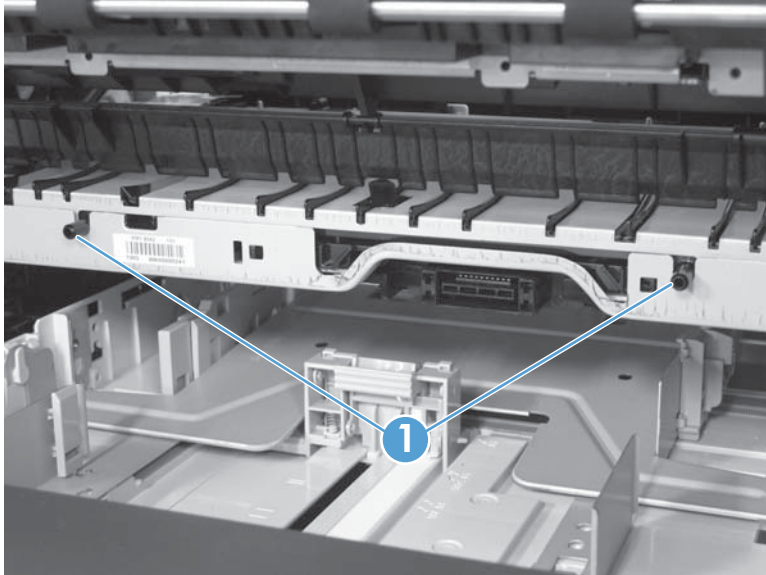
Reinstallation tip: When reinstalling the paper feed assembly, turn the shutter (callout 1) frontward so that the high-voltage power supply assembly (callout 2) is not damaged.

Figure 1-65 Reinstall the paper feed assembly (1 of 2)



Reinstallation tip: When reinstalling the paper feed assembly, make sure that the pins (callout 1) on the rear side of the paper feed assembly are seated in the grooves on the high-voltage power supply assembly. The figure below shows the view from the left side of the product.

Figure 1-66 Reinstall the paper feed assembly (2 of 2)



Laser scanner

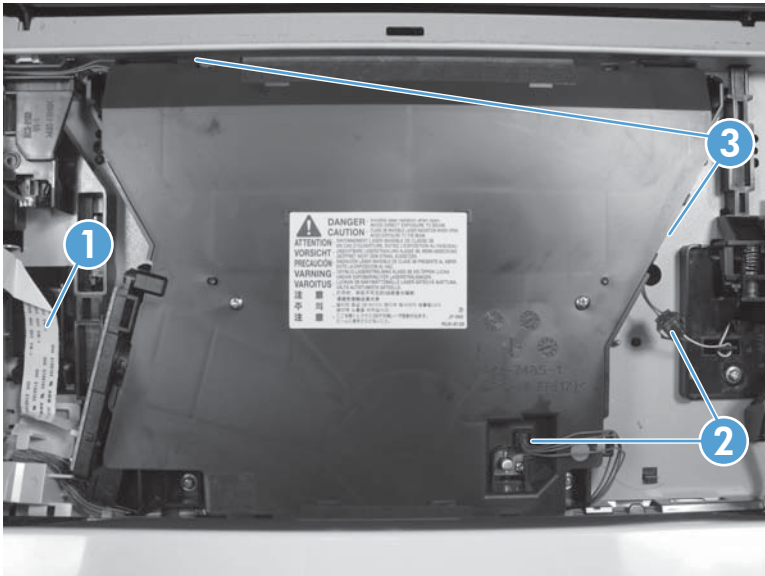
1. Remove the face-down cover. See [Face-down cover on page 18](#).
2. Remove the foam anti-static pad (callout 1) from the laser scanner.

Figure 1-67 Remove the laser scanner (1 of 3)



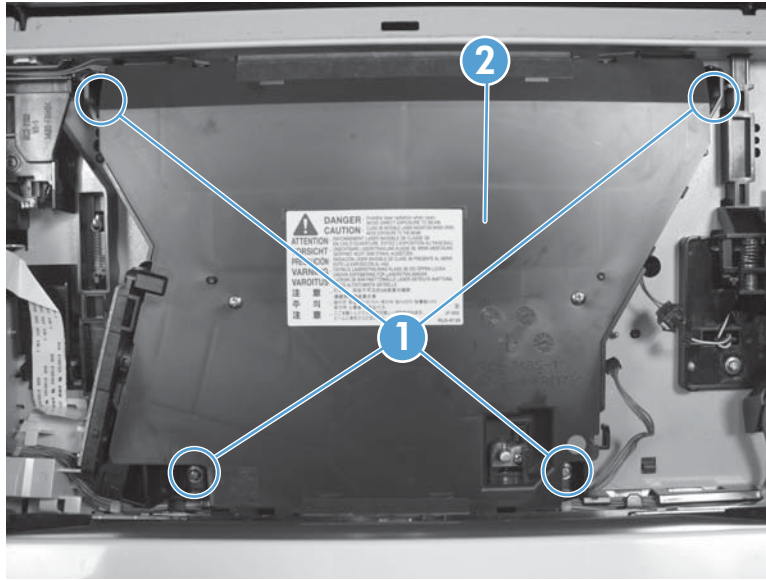
3. Disconnect one FFC (callout 1) and two connectors (callout 2), and then release the cables from the cable guides (callout 3).

Figure 1-68 Remove the laser scanner (2 of 3)



- Remove four screws (callout 1), and then remove the laser scanner (callout 2) from the product.

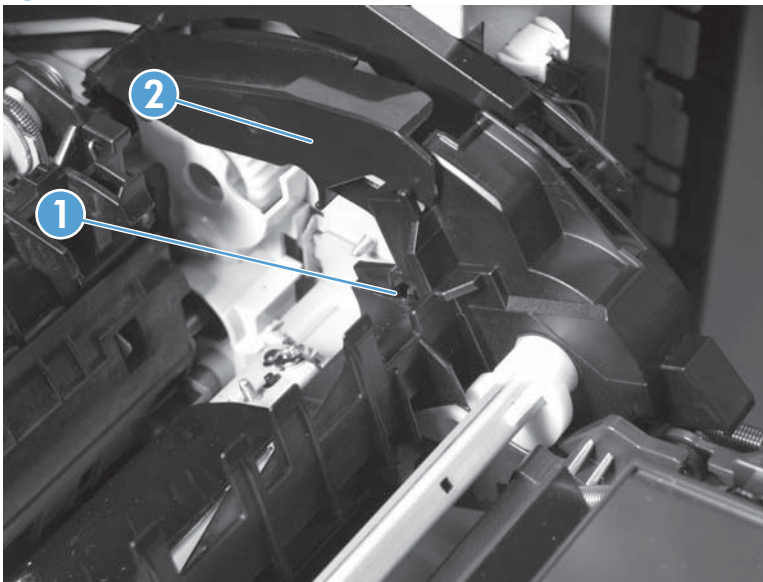
Figure 1-69 Remove the laser scanner (3 of 3)



Toner cartridge door

1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 (multipurpose tray) cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).
2. Open the toner cartridge door.
3. Inside the door, use needle-nose pliers to release one tab (callout 1), and then release the link arm (callout 2).

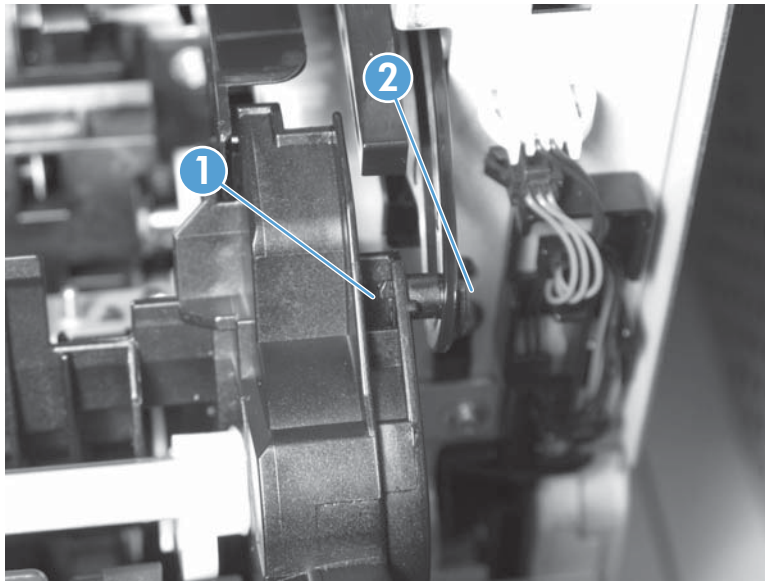
Figure 1-70 Remove the toner cartridge door (1 of 6)



4. Release one tab (callout 1), and then remove the pin (callout 2) from the door linkage.

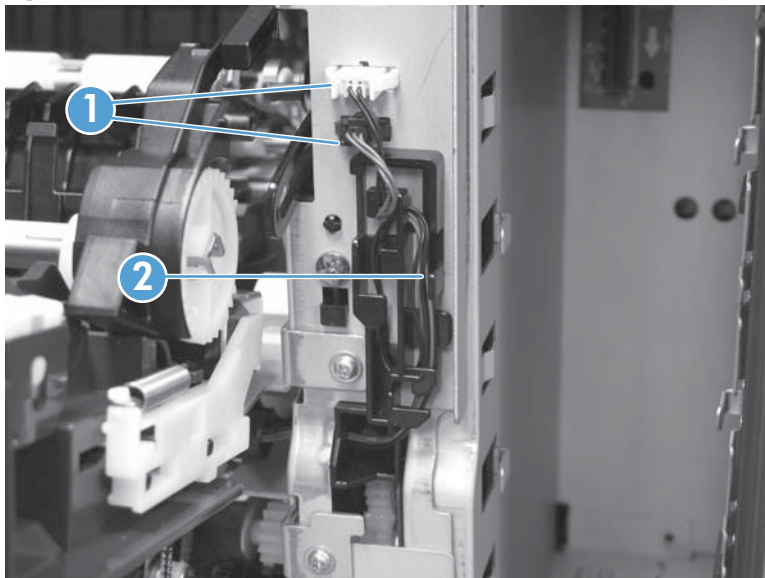
CAUTION: Be careful not to break the tab off of the pin.

Figure 1-71 Remove the toner cartridge door (2 of 6)



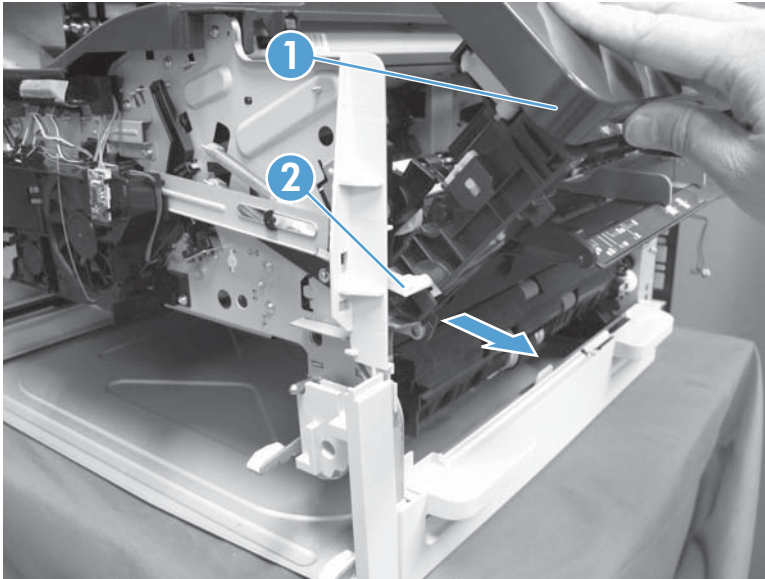
5. To the right of the door, disconnect two connectors (callout 1), and then release the cables (callout 2) from the cable guide.

Figure 1-72 Remove the toner cartridge door (3 of 6)



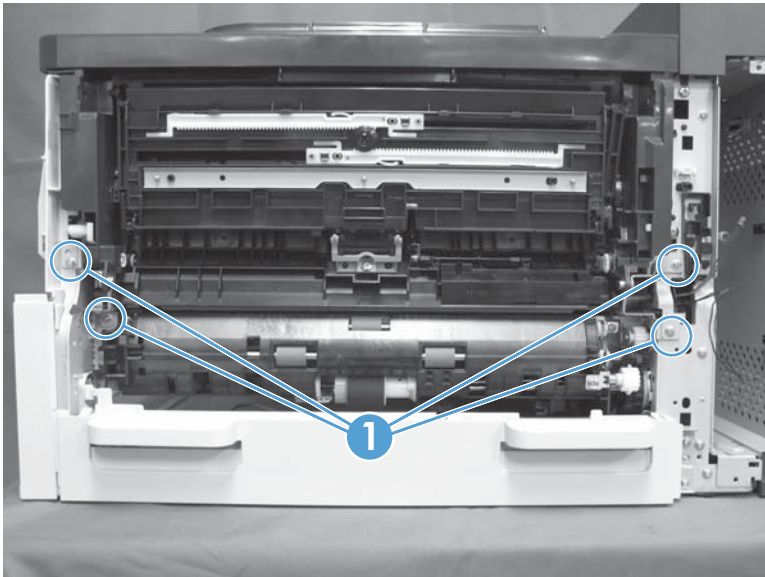
6. While closing the cartridge door (callout 1), pull the link arm (callout 2) in the direction indicated and release it from the notch in the cartridge door.

Figure 1-73 Remove the toner cartridge door (4 of 6)



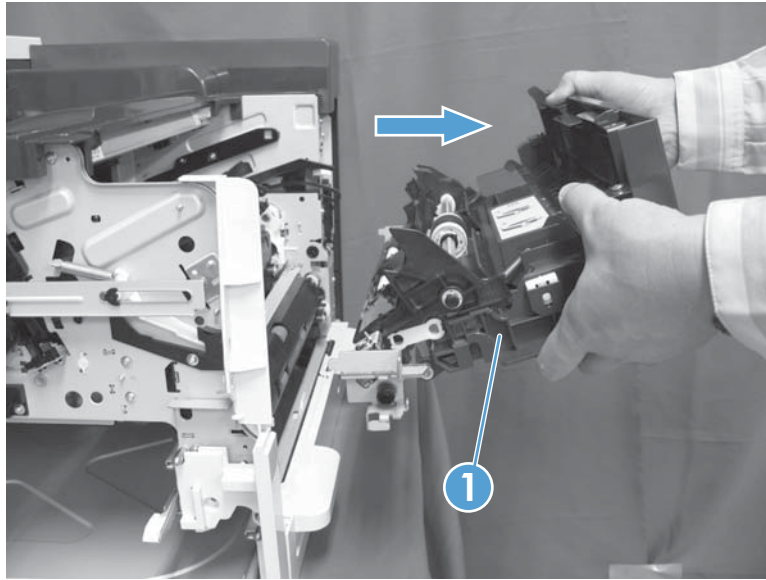
7. Remove four screws (callout 1).

Figure 1-74 Remove the toner cartridge door (5 of 6)



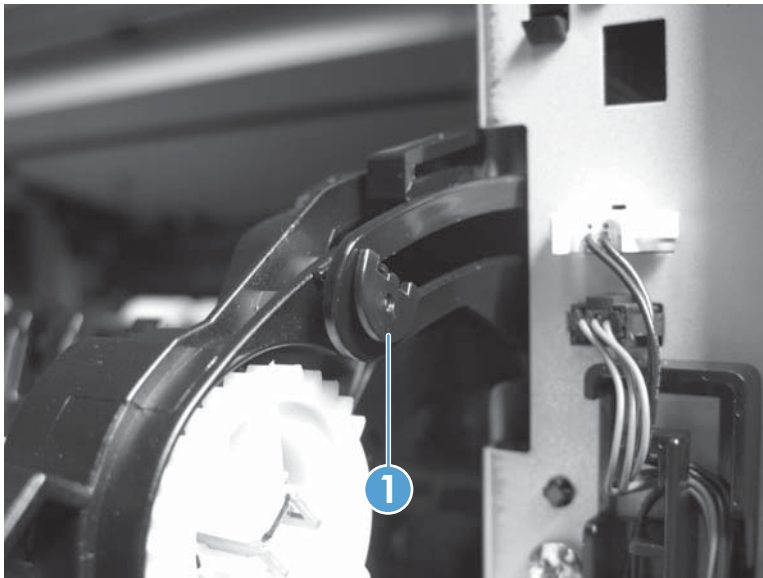
- Slide the cartridge door assembly (callout 1) in the direction indicated to remove it from the product.

Figure 1-75 Remove the toner cartridge door (6 of 6)



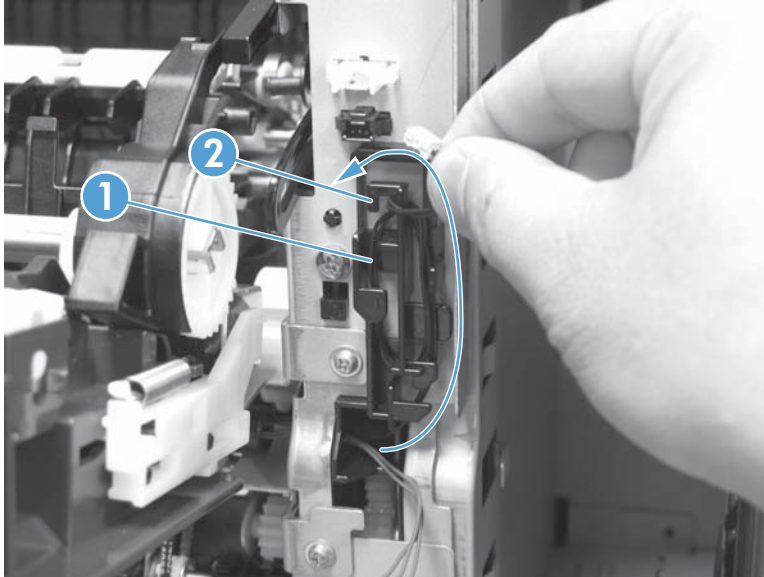
Reinstallation tip: When reinstalling the cartridge door, insert the pin (callout 1) pointing as shown in the figure below while the cartridge door is open.

Figure 1-76 Reinstall the cartridge door assembly (1 of 2)



Reinstallation tip: When reinstalling the cartridge door, wind the cable (callout 1) around the cable guide counter-clockwise and run through the groove (callout 2) before connecting.

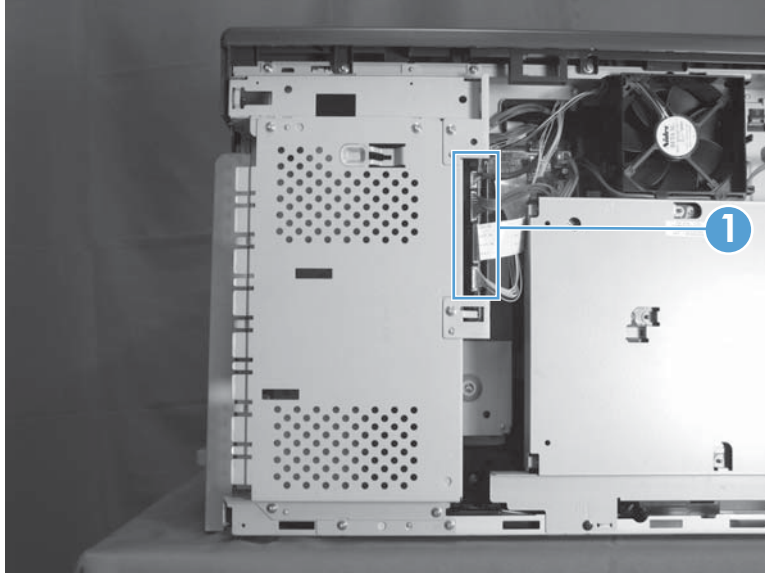
Figure 1-77 Reinstall the cartridge door assembly (2 of 2)



Formatter cage assembly

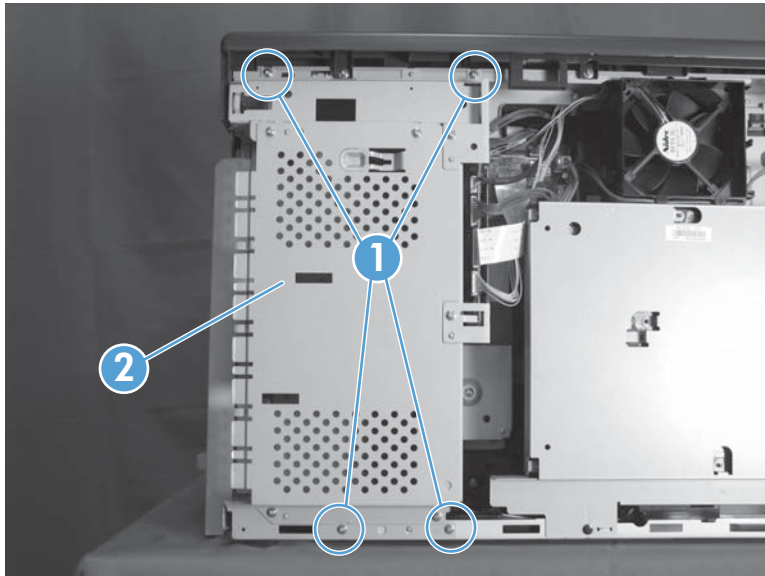
1. Remove the rear cover. See [Rear cover on page 15](#).
2. On the rear side of the product, disconnect three connectors and one flat flexible cable (callout 1).

Figure 1-78 Remove the formatter cage (1 of 2)



3. Remove four screws (callout 1), and then lift up the bottom of the formatter cage (callout 2) to remove it from the product.

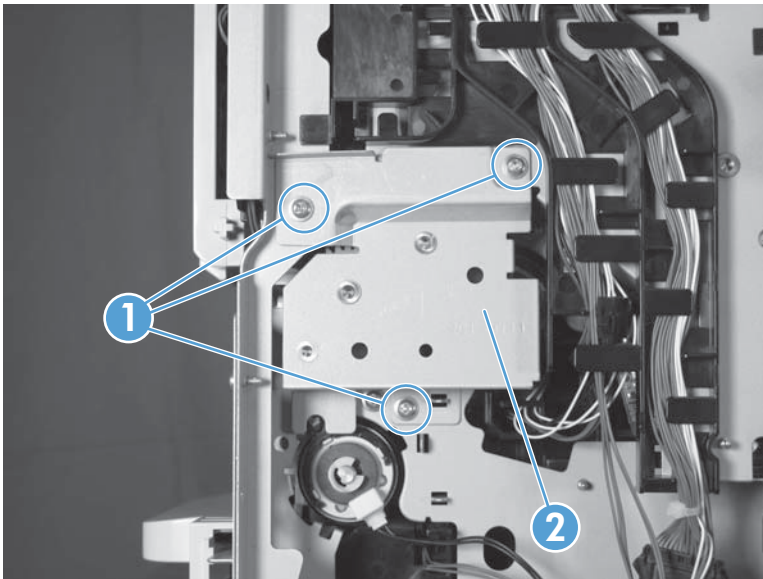
Figure 1-79 Remove the formatter cage (2 of 2)



Upper cassette pickup assembly

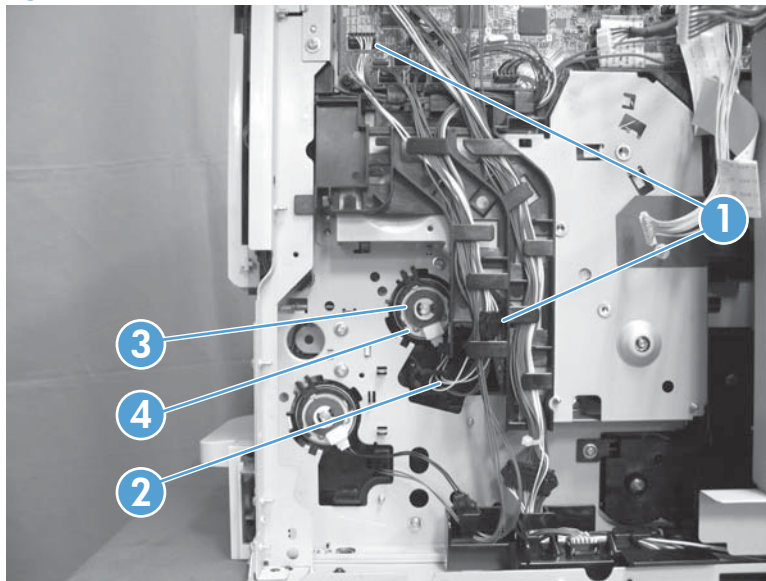
1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 (multipurpose tray) cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).
 - Toner cartridge door. See [Toner cartridge door on page 48](#).
2. Remove three screws (callout 1), and then remove the gear assembly (callout 2).

Figure 1-80 Remove the upper cassette pickup assembly (1 of 4)



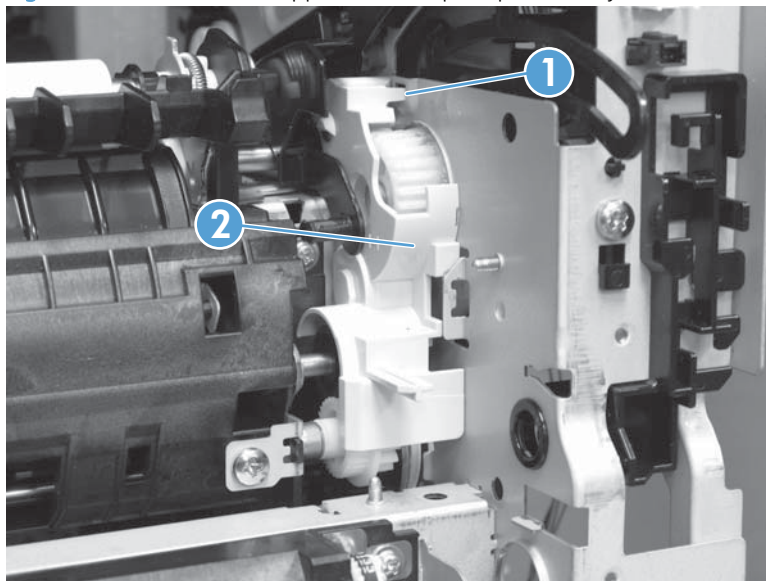
3. Disconnect two connectors (callout 1), release the cables (callout 2) from the cable guide, remove the C-clip (callout 3) from the clutch shaft, and then pull the upper cassette pickup clutch (callout 4) to remove it from the product.

Figure 1-81 Remove the upper cassette pickup assembly (2 of 4)



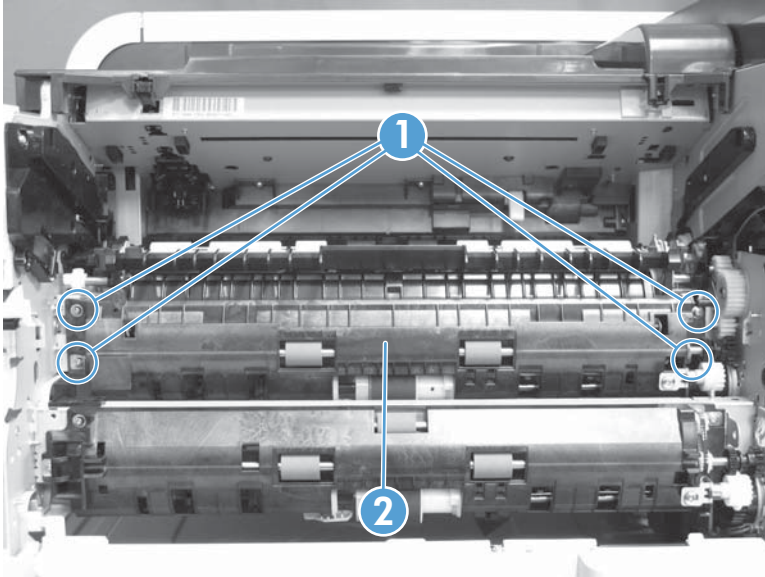
4. Release one tab (callout 1), and then remove the gear cover (callout 2).

Figure 1-82 Remove the upper cassette pickup assembly (3 of 4)



5. Remove four screws (callout 1), and then pull the upper cassette pickup assembly (callout 2) to remove it from the product.

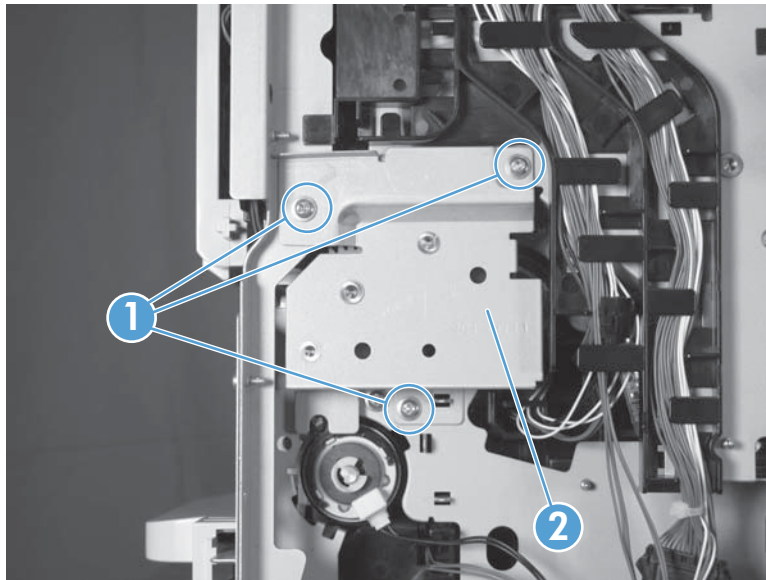
Figure 1-83 Remove the upper cassette pickup assembly (4 of 4)



Lower cassette pickup assembly

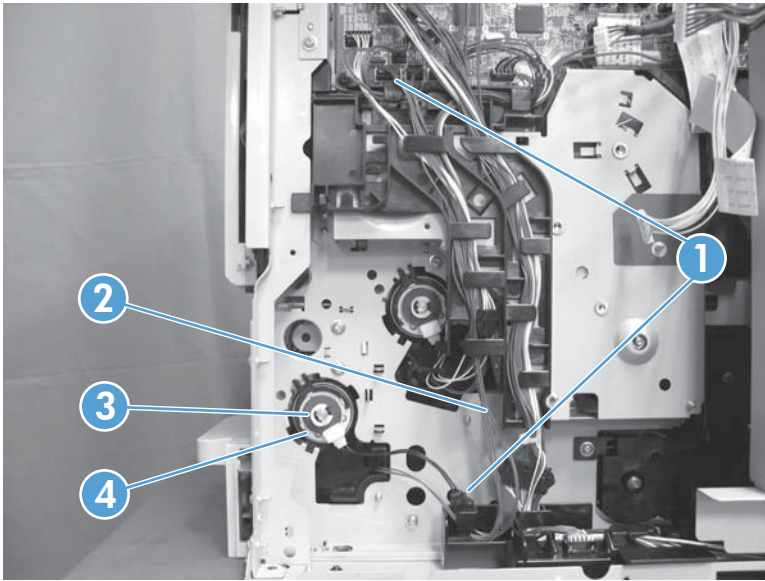
1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 (multipurpose tray) cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).
2. Remove three screws (callout 1), and then remove the gear assembly (callout 2).

Figure 1-84 Remove the lower cassette pickup assembly (1 of 3)



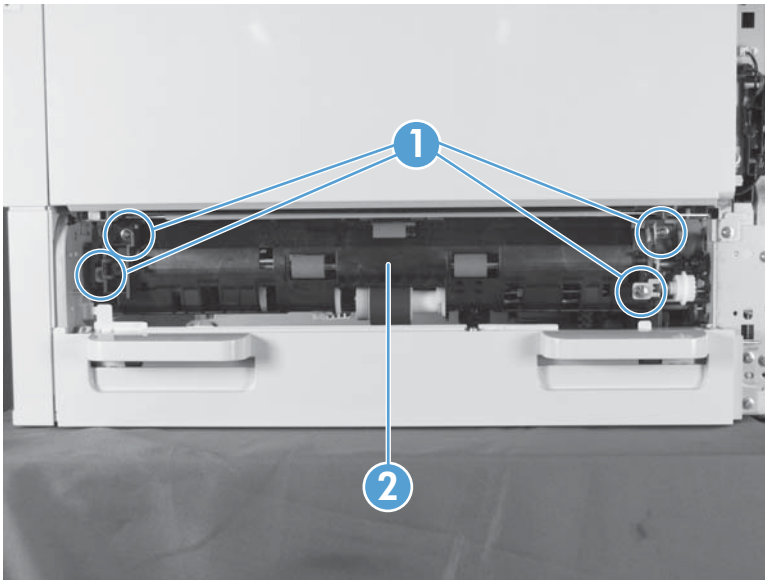
3. Disconnect two connectors (callout 1) (J43), release the cables (callout 2) from the cable guide, remove the C-clip (callout 3) from the clutch shaft, and then pull the lower cassette pickup clutch (callout 4) to remove it from the product.

Figure 1-85 Remove the lower cassette pickup assembly (2 of 3)



4. Remove four screws (callout 1), and then pull the lower cassette pickup assembly (callout 2) to remove it from the product.

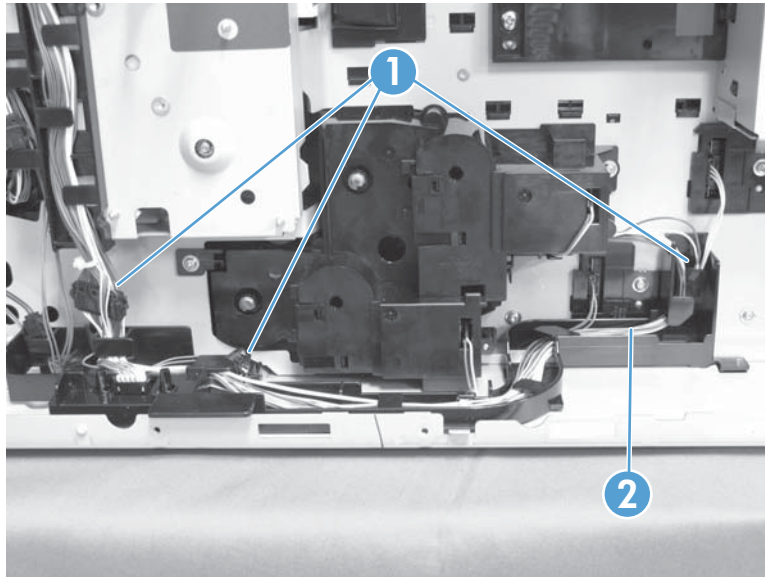
Figure 1-86 Remove the lower cassette pickup assembly (3 of 3)



Lifter drive assembly

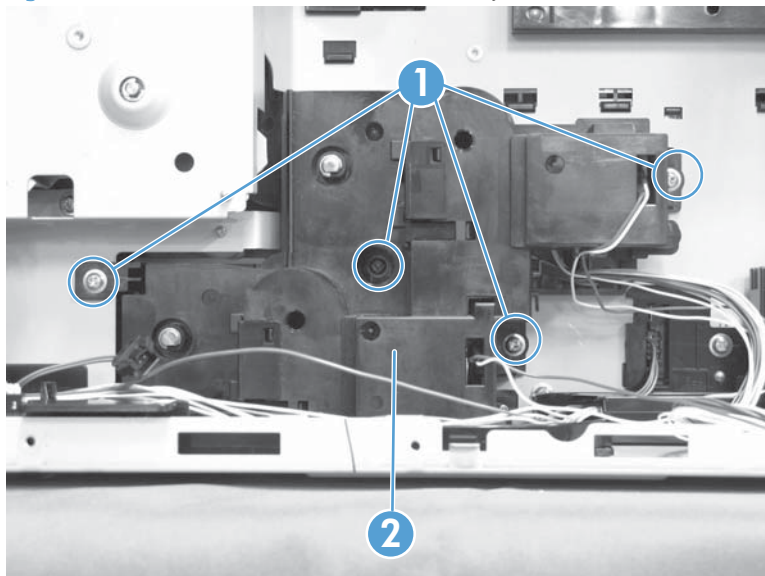
1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Low-voltage power supply. See [Low-voltage power supply assembly on page 97](#).
2. Disconnect three connectors (callout 1), and then release the cables (callout 2) from the cable guide.

Figure 1-87 Remove the lifter driver assembly (1 of 2)



3. Remove four screws (callout 1), and then remove the lifter drive assembly (callout 2) from the product.

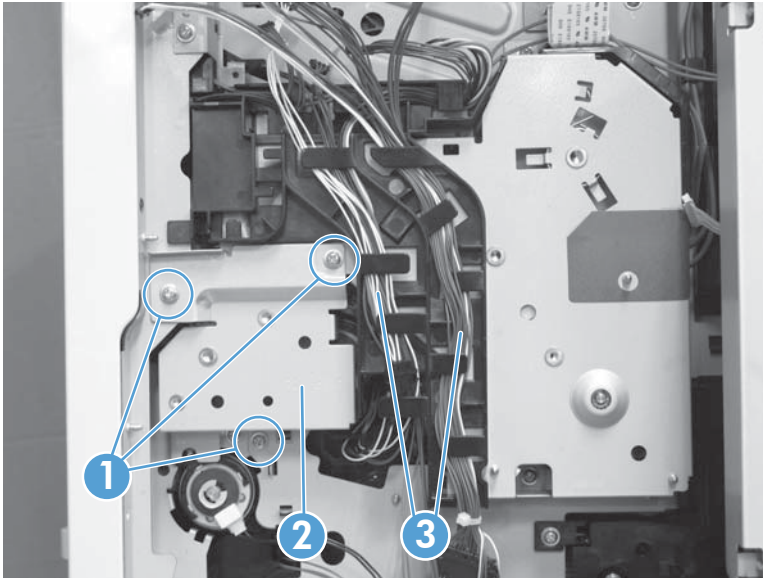
Figure 1-88 Remove the lifter driver assembly (2 of 2)



Main drive assembly

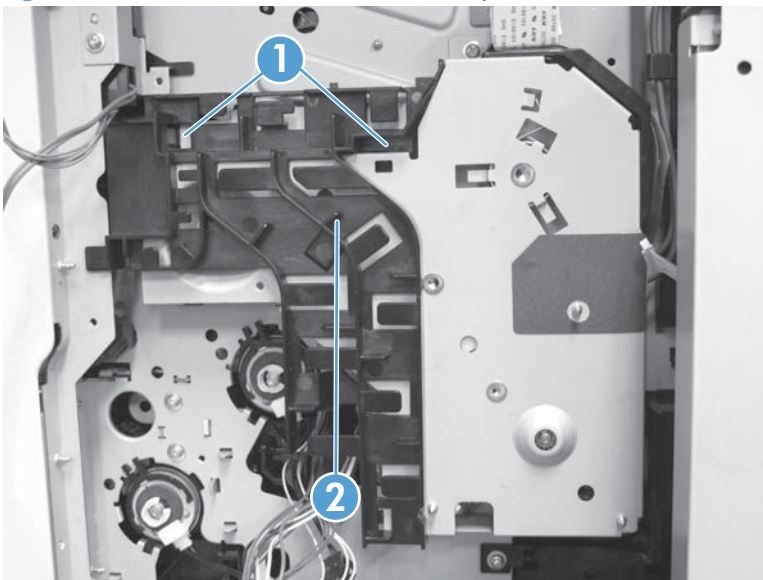
1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - DC controller PCA. See [DC controller PCA on page 96](#).
2. Remove three screws (callout 1), remove the gear assembly (callout 2), and then release the cables (callout 3) from the cable guide.

Figure 1-89 Remove the main drive assembly (1 of 7)



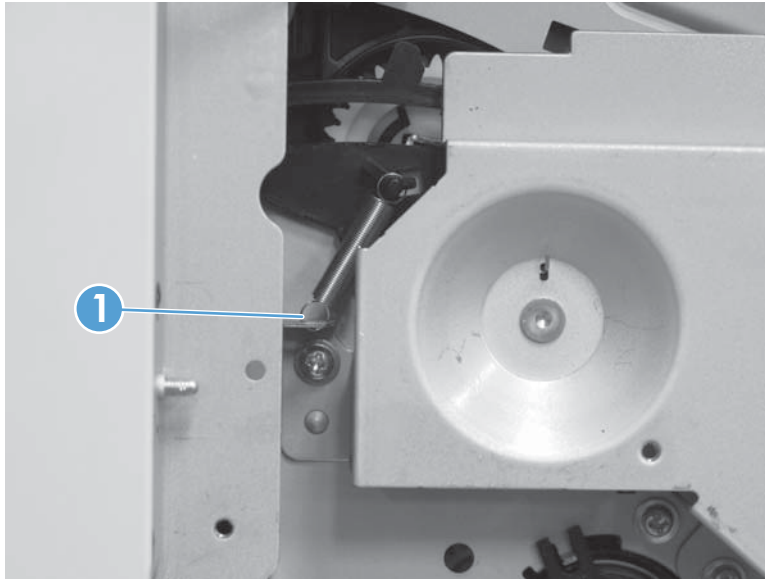
3. Release two tabs (callout 1), and then remove the cable guide (callout 2).

Figure 1-90 Remove the main drive assembly (2 of 7)



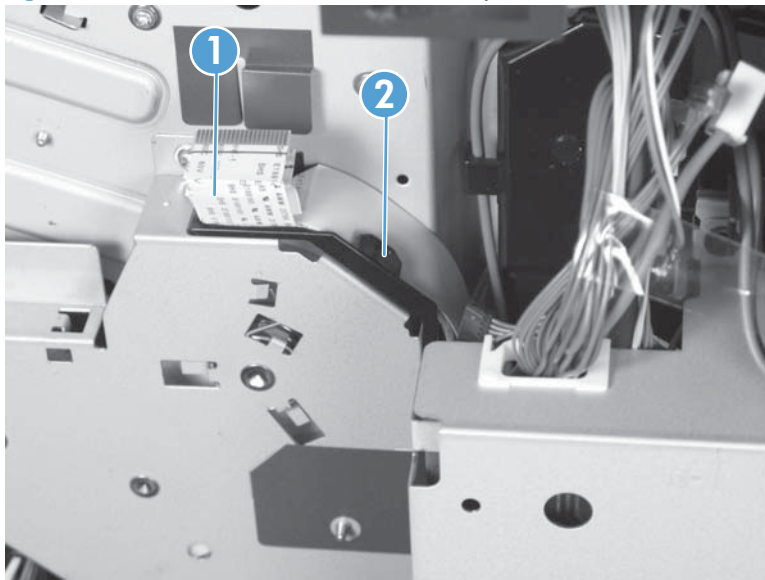
4. Unhook the spring (callout 1).

Figure 1-91 Remove the main drive assembly (3 of 7)



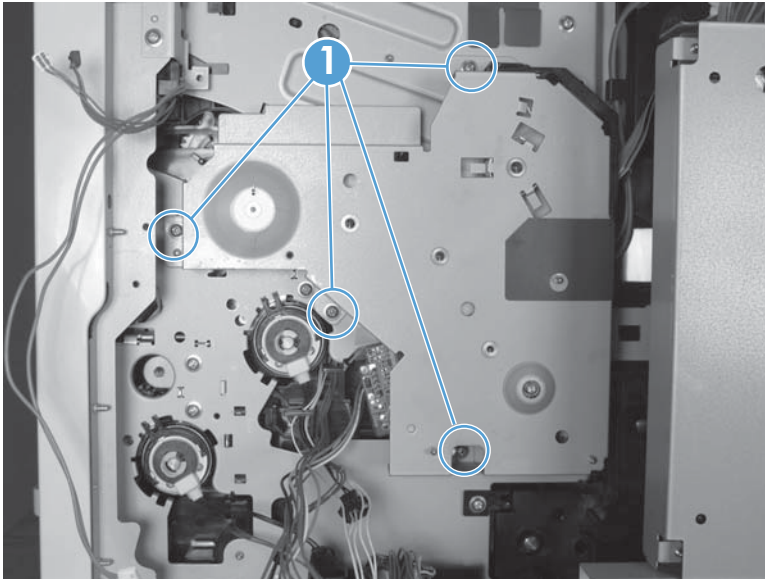
5. Release the flat flexible cable (callout 1) from the cable guide (callout 2).

Figure 1-92 Remove the main drive assembly (4 of 7)



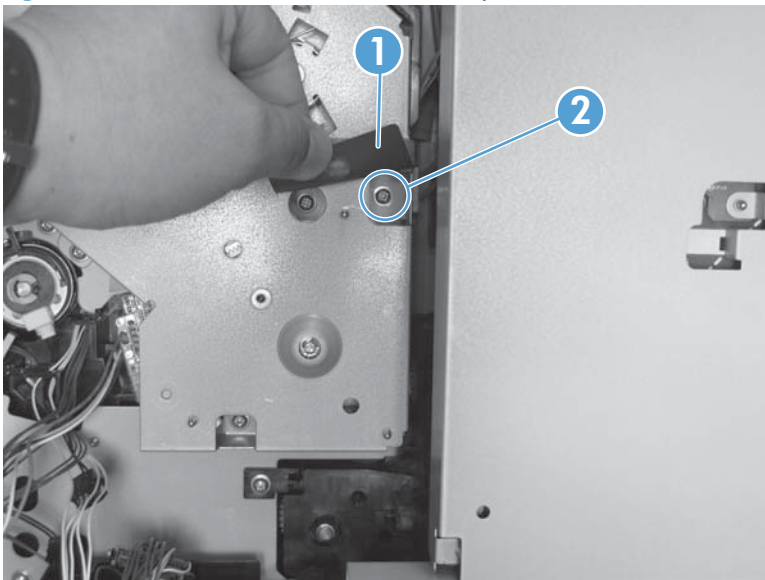
6. Remove four screws (callout 1).

Figure 1-93 Remove the main drive assembly (5 of 7)



7. Pull up the sheet (callout 1), and then remove one screw (callout 2).

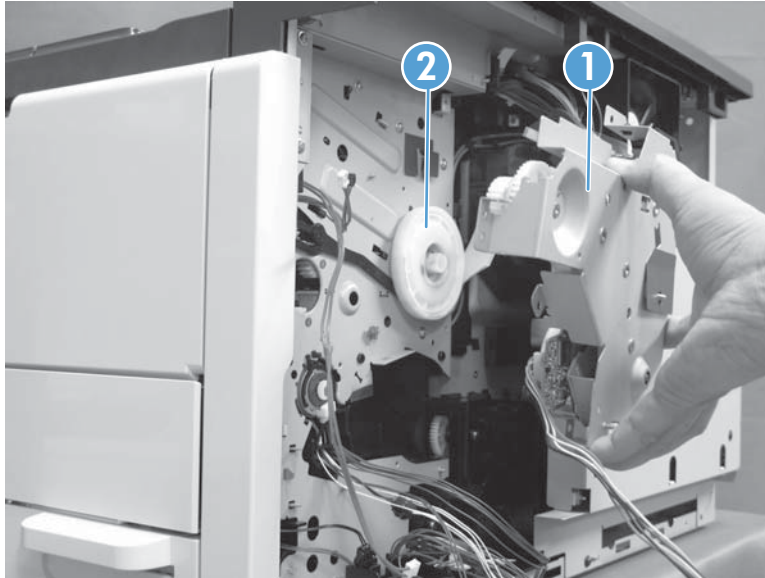
Figure 1-94 Remove the main drive assembly (6 of 7)



8. Remove the main drive assembly (callout 1).

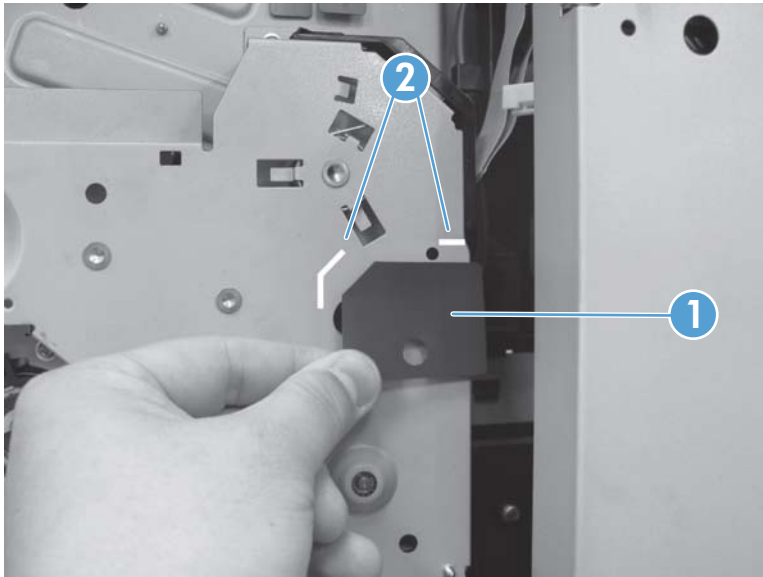
TIP: When removing the main drive assembly, be careful not to drop the large gear (callout 2).

Figure 1-95 Remove the main drive assembly (7 of 7)



Reinstallation tip: When replacing the main drive assembly, replace the sheet (callout 1), which is included with the new assembly, at the same time. Attach the sheet along the line (callout 2) impressed on the main drive assembly.

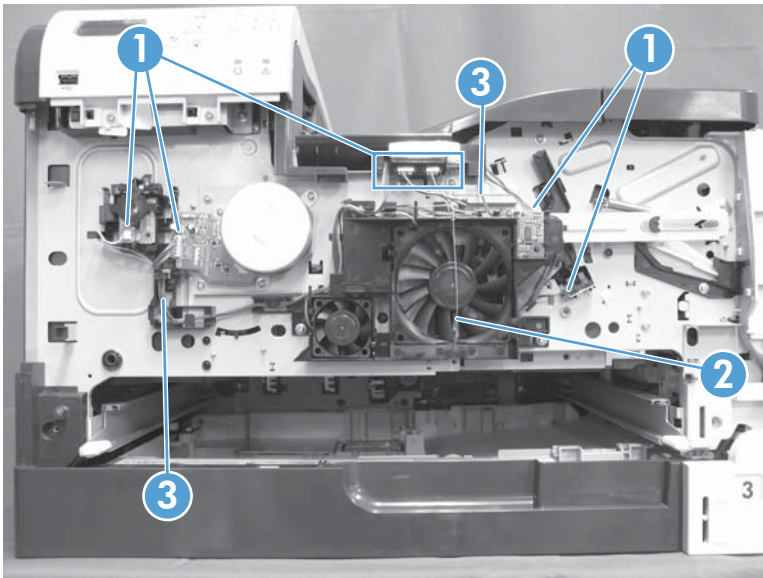
Figure 1-96 Reinstall the main drive assembly



Fuser drive assembly

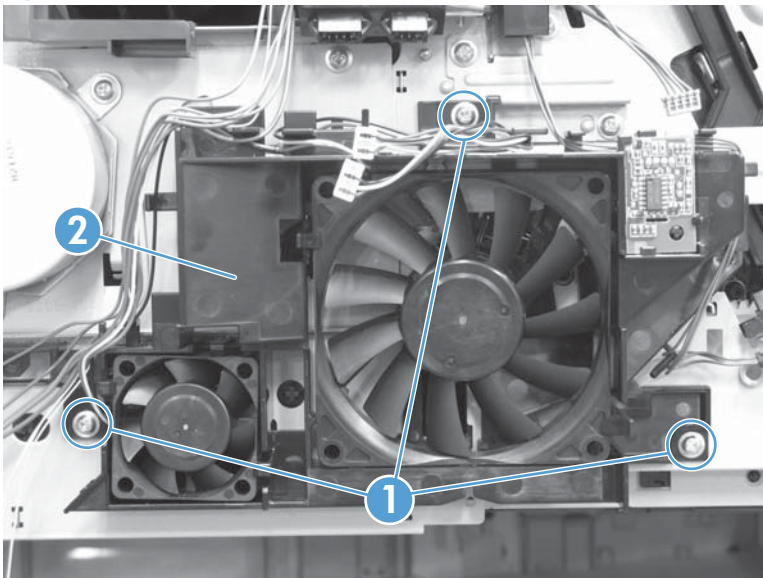
1. Remove the front cover. See [Front cover on page 13](#).
2. On the front side of the product, disconnect six connectors (callout 1), remove the ground wire (callout 2), and then release the cables (callout 3) from the cable guide.

Figure 1-97 Remove the fuser drive assembly (1 of 3)



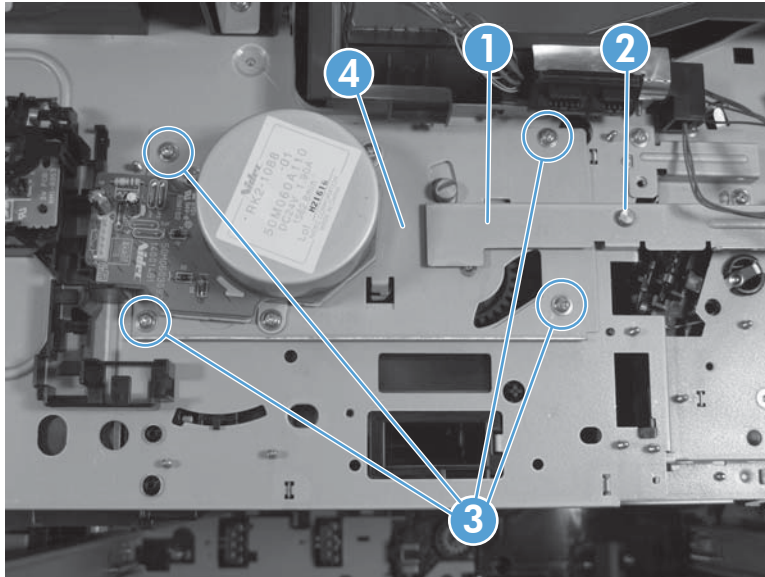
3. Remove three screws (callout 1), and then remove the fan holder (callout 2) from the product.

Figure 1-98 Remove the fuser drive assembly (2 of 3)



4. Release the link (callout 1) from the pin (callout 2), remove four screws (callout 3), and then remove the fuser drive assembly (callout 4) from the product.

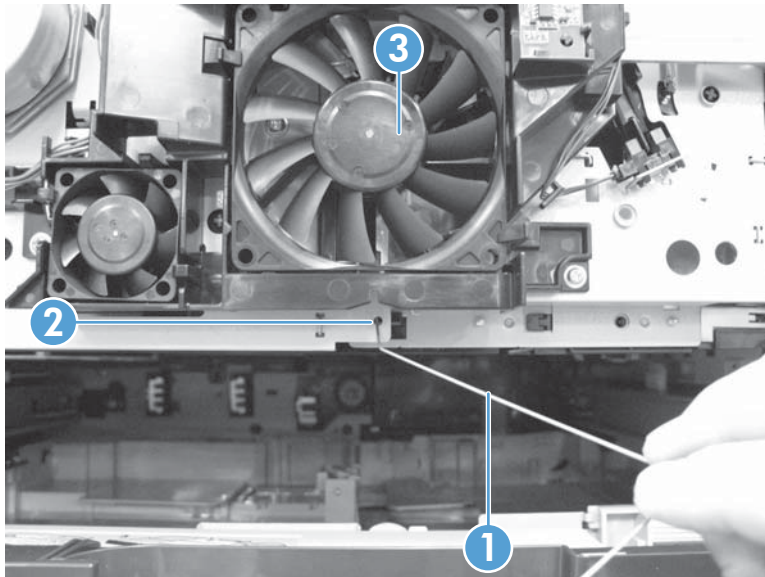
Figure 1-99 Remove the fuser drive assembly (3 of 3)



When reinstalling the fuser drive assembly, complete the following steps.

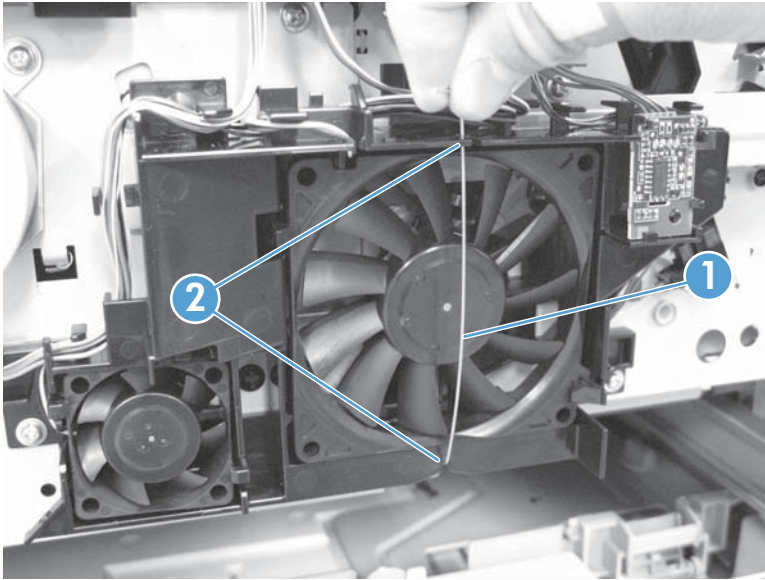
1. When reassembling the fan wire, place the leading end of the wire (callout 1) in the hole (callout 2) under the front fan (callout 3) first.

Figure 1-100 Reinstall the fuser drive assembly (1 of 3)



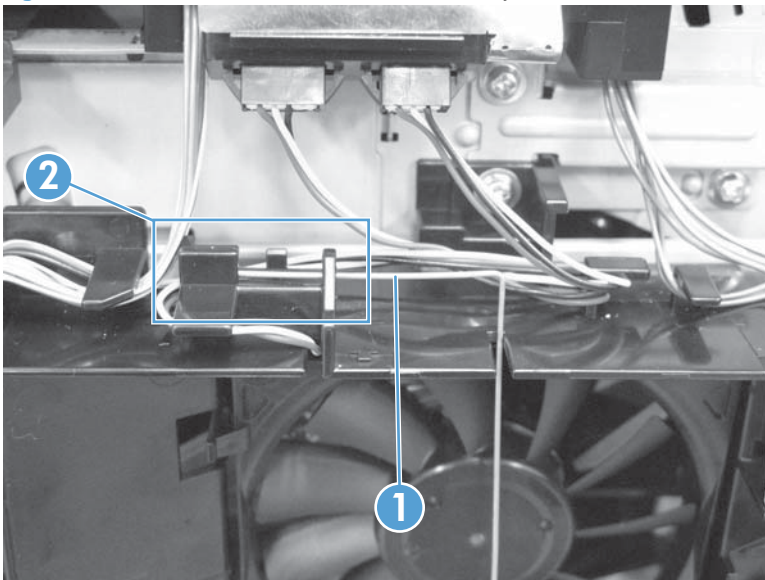
2. Then put the wire (callout 1) in the groove (callout 2) on the front side of the fan holder.

Figure 1-101 Reinstall the fuser drive assembly (2 of 3)



3. Finally, put the wire (callout 1) in the groove (callout 2) on the upper side of the fan holder.

Figure 1-102 Reinstall the fuser drive assembly (3 of 3)



Switches

The product includes the switches shown below.

Figure 1-103 Switch locations

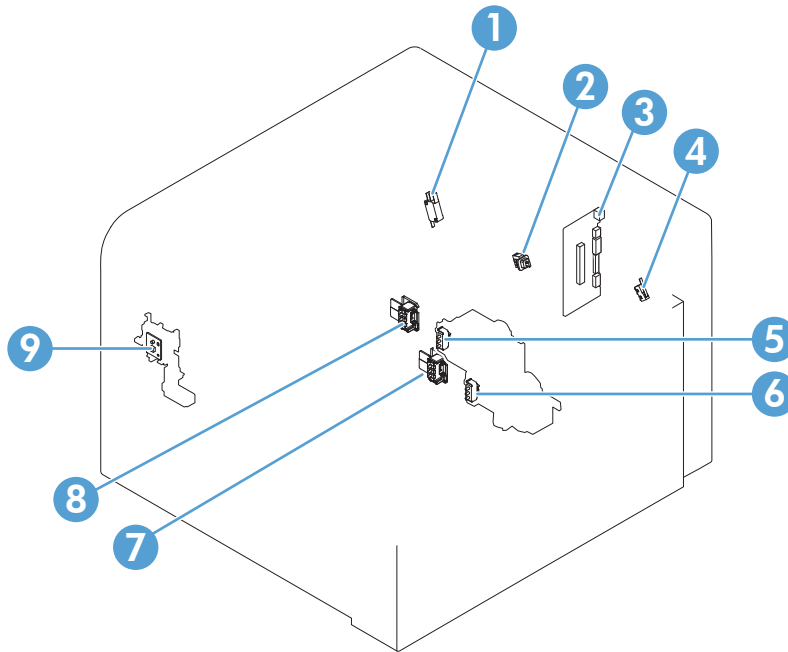


Table 1-1 Switch locations

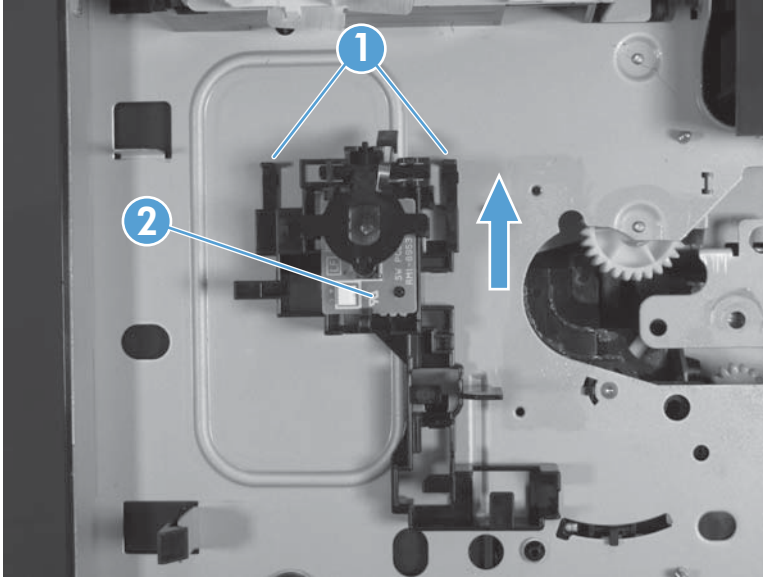
Item	Description	Removal process
1	Left door interlock switch	See Left door interlock switch on page 68 .
2	Cartridge door open detection switch	See Cartridge door open detection switch on page 73 .
3	Test print switch	This is removed as part of the formatter cage. See Formatter cage assembly on page 53 .
4	Cartridge door interlock switch	See Cartridge door interlock switch on page 71 .
5	Upper cassette media width switch	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
6	Lower cassette media width switch	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
7	Lower cassette media end switch	See Lower cassette media end switch on page 76 .
8	Upper cassette media end switch	See Upper cassette media end switch on page 75 .
9	Power switch assembly	See Power switch assembly on page 67 .

Power switch assembly

- Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Fuser drive. See [Fuser drive assembly on page 64](#).

2. Release two tabs (callout 1), and then slide the switch assembly (callout 2) in the direction indicated to remove it from the product.

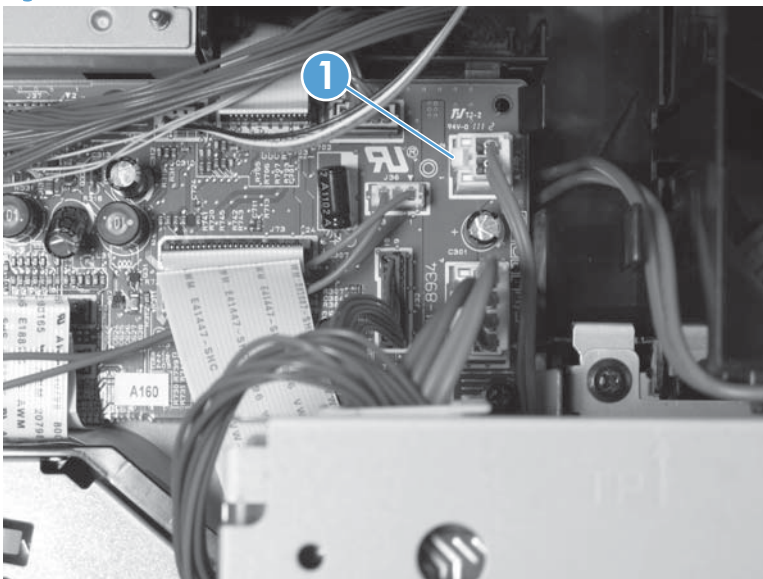
Figure 1-104 Remove the power switch assembly



Left door interlock switch

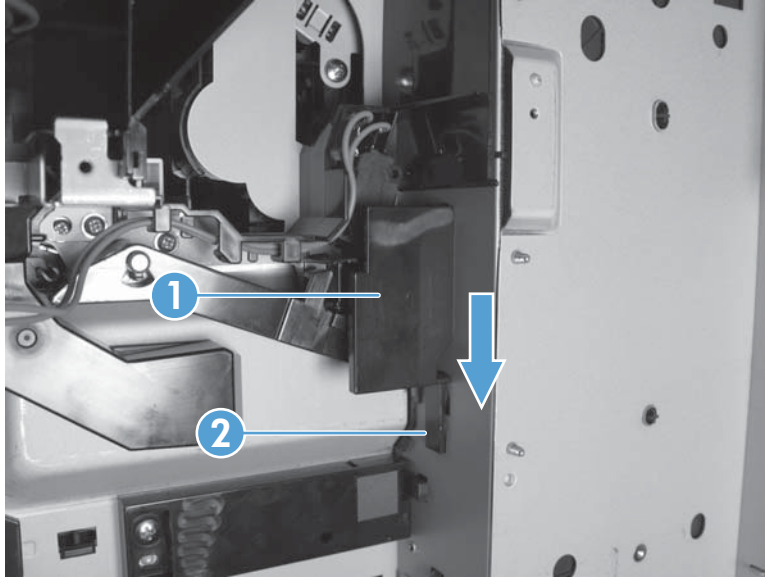
1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Low voltage power supply. See [Low-voltage power supply assembly on page 97](#).
 - Rear fan. See [Rear fan on page 85](#).
2. Disconnect one connector (callout 1) on the DC controller PCA.

Figure 1-105 Remove the left door interlock switch (1 of 4)



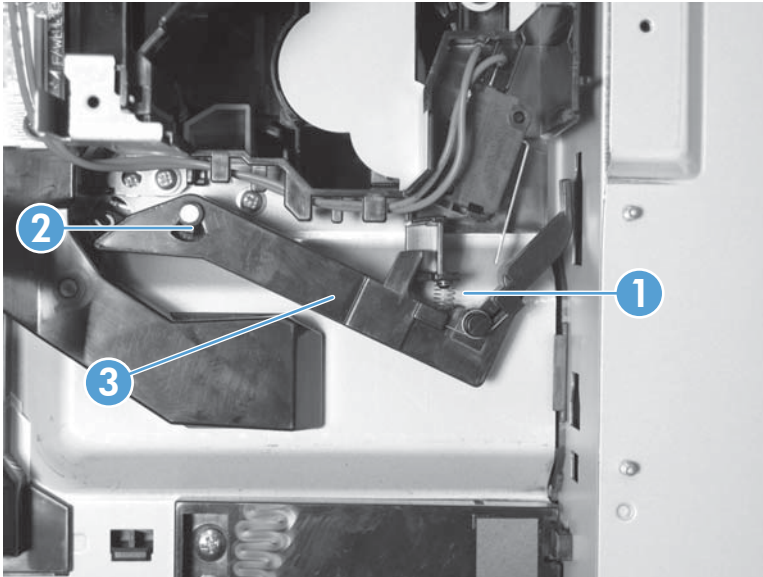
3. Release one tab (callout 1), and then slide the switch cover (callout 2) in the direction indicated to remove it from the product.

Figure 1-106 Remove the left door interlock switch (2 of 4)



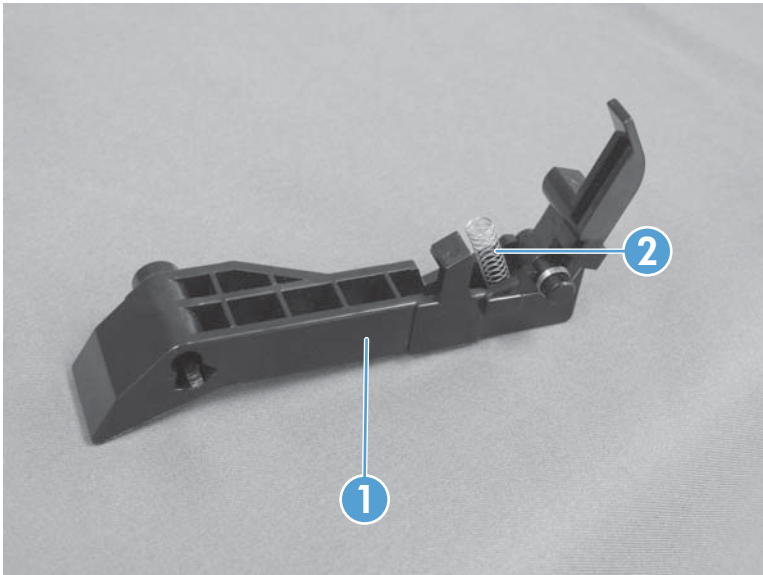
4. Open the left door, unhook the spring (callout 1), release one tab (callout 2), and then remove the lever (callout 3).

Figure 1-107 Remove the left door interlock switch (3 of 4)



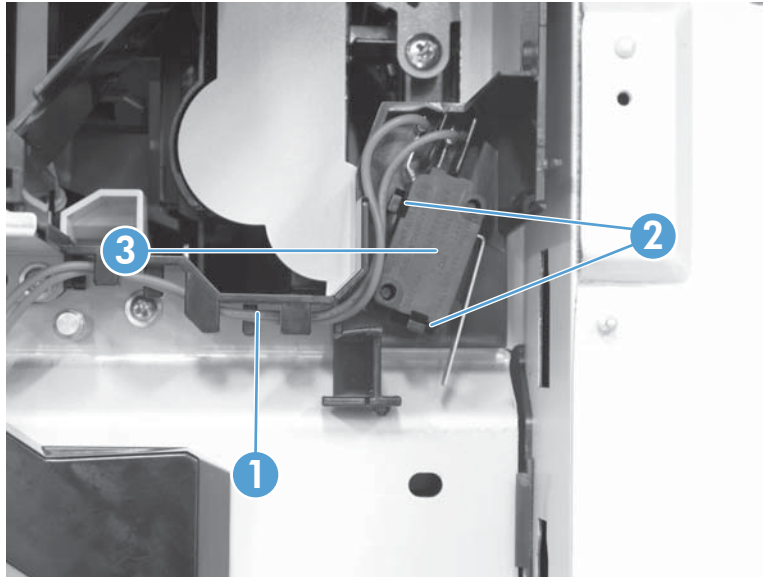
Reinstallation tip: When reinstalling the lever (callout 1), make sure that the spring (callout 2) is placed in the lever.

Figure 1-108 Reinstall the left door lever



5. Release the cables (callout 1) from the cable guide, release two tabs (callout 2), and then remove the left door interlock switch (callout 3) from the product.

Figure 1-109 Remove the left door interlock switch (4 of 4)

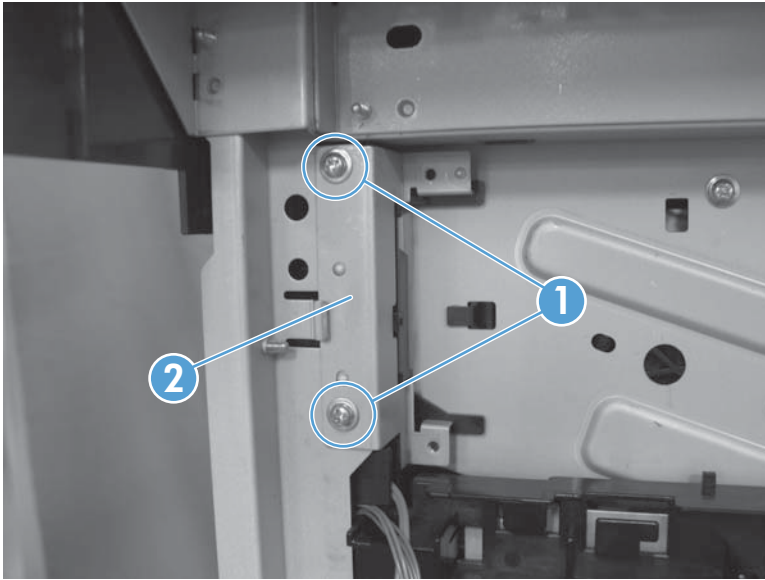


Cartridge door interlock switch

1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - DC controller PCA. See [DC controller PCA on page 96](#).

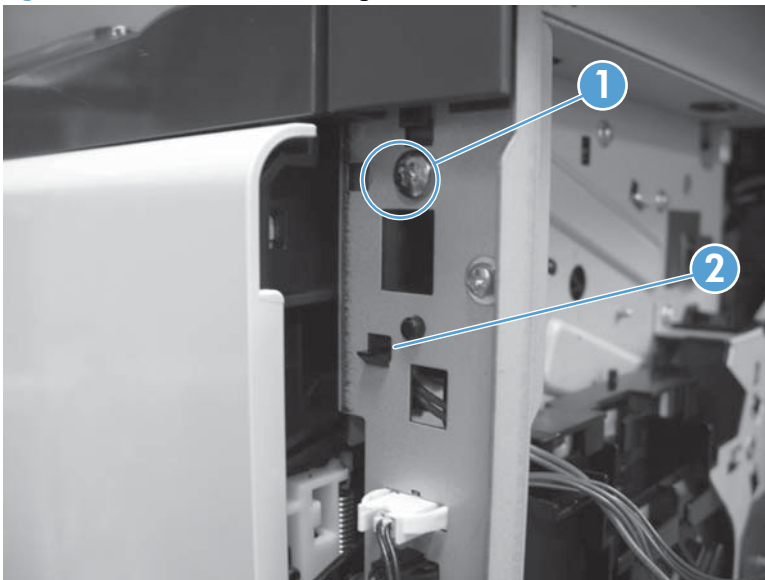
2. Remove two screws (callout 1) and the sheet metal cover (callout 2).

Figure 1-110 Remove the cartridge door interlock switch (1 of 4)



3. Remove one screw (callout 1) and release one tab (callout 2).

Figure 1-111 Remove the cartridge door interlock switch (2 of 4)



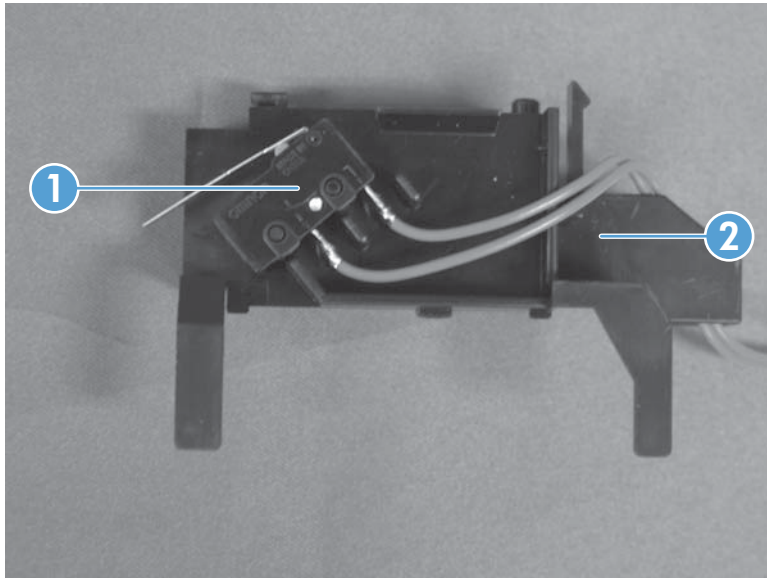
4. Remove the switch holder (callout 1).

Figure 1-112 Remove the cartridge door interlock switch (3 of 4)



5. Remove the cartridge door interlock switch (callout 1) from the switch holder (callout 2).

Figure 1-113 Remove the cartridge door interlock switch (4 of 4)

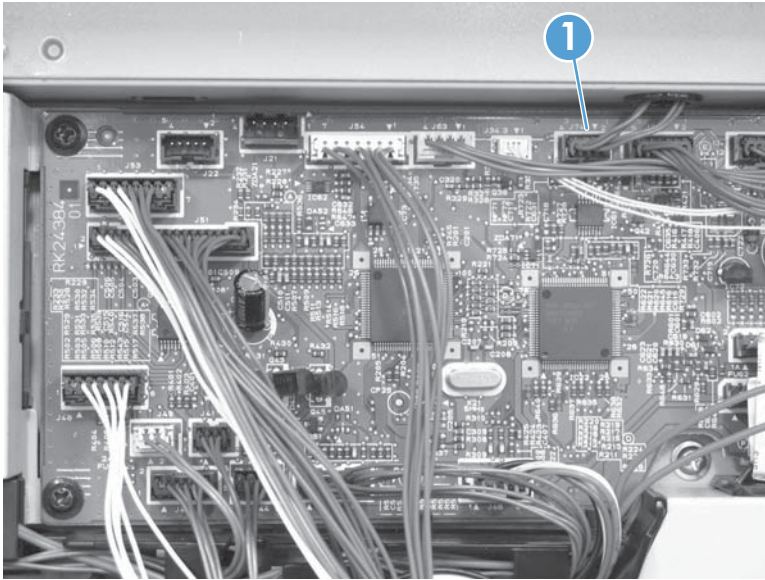


Cartridge door open detection switch

1. Remove the following components or assemblies:
 - Face-down cover. See [Face-down cover on page 18](#).
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).

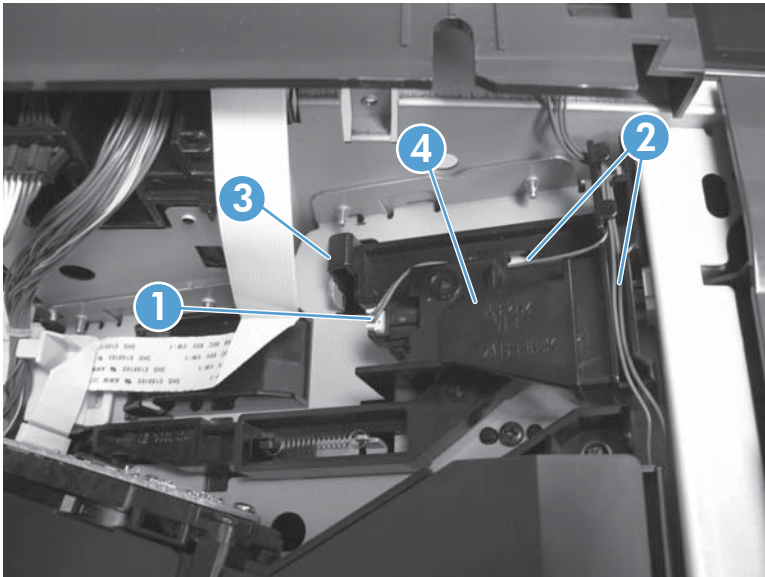
2. Disconnect one connector (callout 1) (J74) on the DC controller PCA.

Figure 1-114 Remove the cartridge door open detection switch (1 of 3)



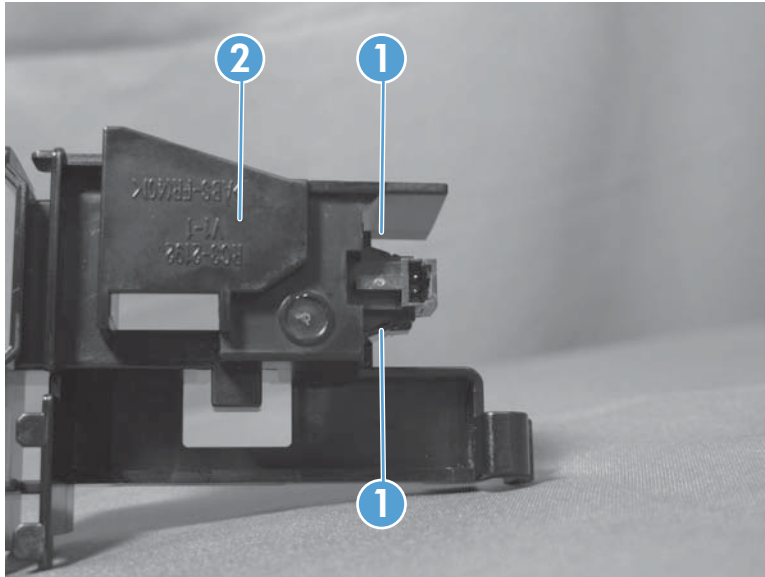
3. Disconnect one connector (callout 1), release the cables (callout 2) from the cable guide, release one tab (callout 3), and then remove the switch holder (callout 4).

Figure 1-115 Remove the cartridge door open detection switch (2 of 3)



4. Release two tabs (callout 1), and then remove the cartridge door open detection switch from the switch holder (callout 2).

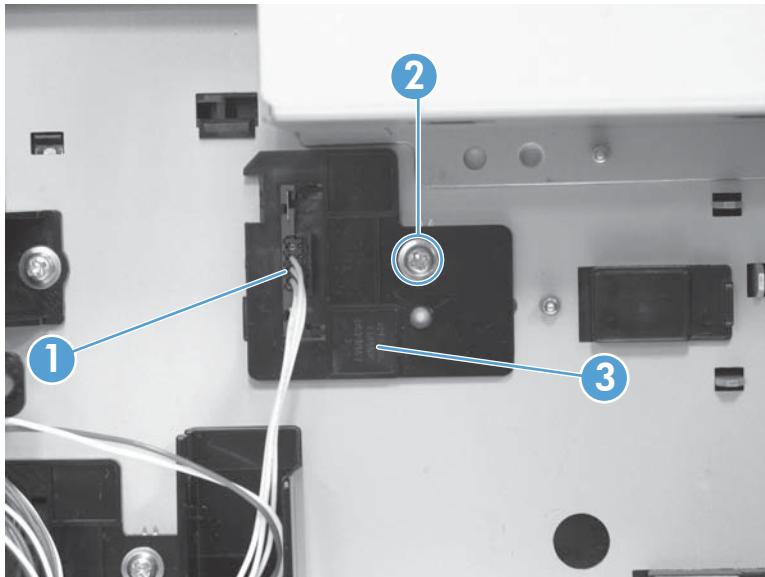
Figure 1-116 Remove the cartridge door open detection switch (3 of 3)



Upper cassette media end switch

1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Low voltage power supply. See [Low-voltage power supply assembly on page 97](#).
2. Disconnect one connector (callout 1), remove one screw (callout 2), and then remove the upper cassette media end switch (callout 3) from the product.

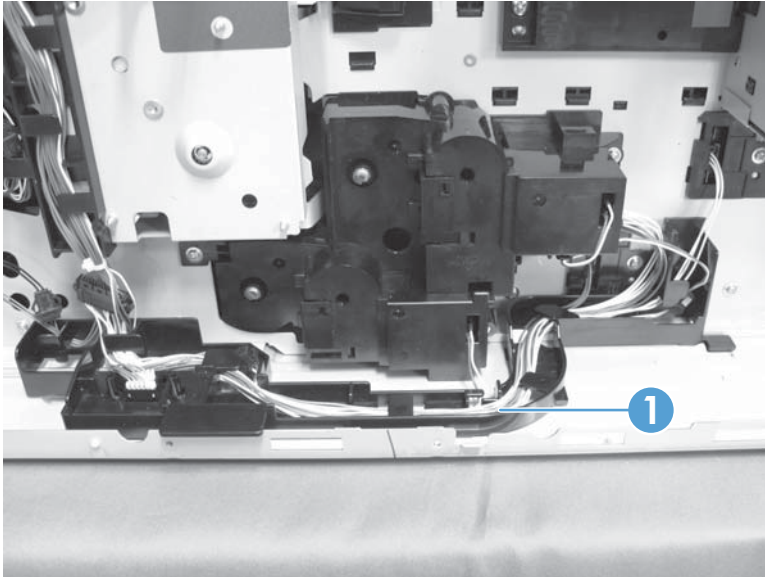
Figure 1-117 Remove the upper cassette media end switch



Lower cassette media end switch

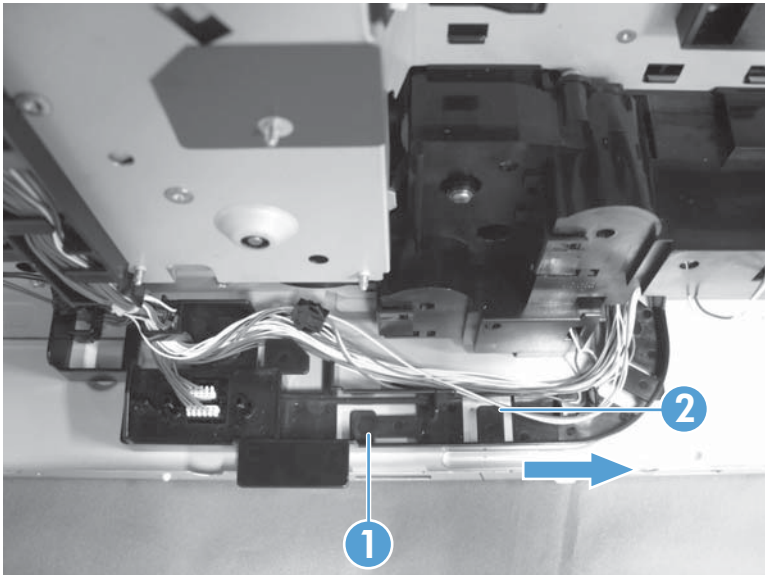
1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Low voltage power supply. See [Low-voltage power supply assembly on page 97](#).
2. Release the cables (callout 1) from the cable guide.

Figure 1-118 Remove the lower cassette media end switch (1 of 3)



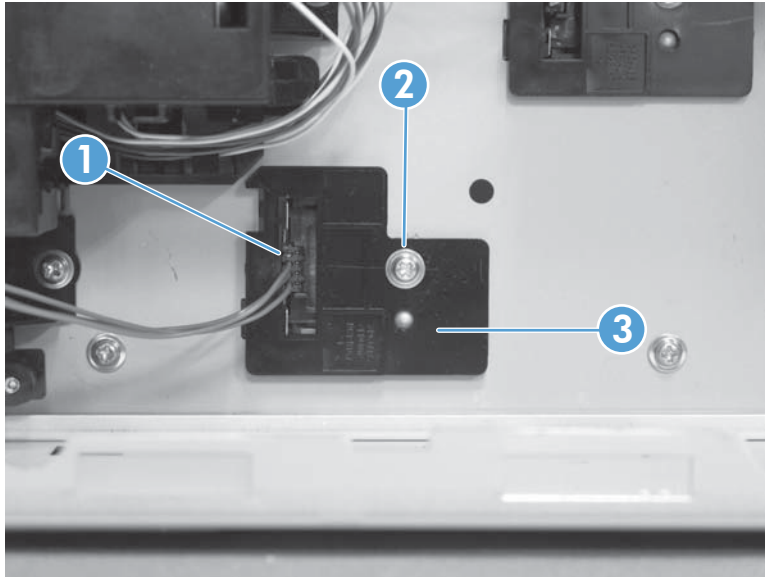
3. Release one tab (callout 1), and then slide the cable guide (callout 2) in the direction indicated to remove it.

Figure 1-119 Remove the lower cassette media end switch (2 of 3)



4. Disconnect one connector (callout 1), remove one screw (callout 2), and then remove the lower cassette media end switch (callout 3) from the product.

Figure 1-120 Remove the lower cassette media end switch (3 of 3)



Sensors

The product includes the sensors shown below.

Figure 1-121 Sensor locations

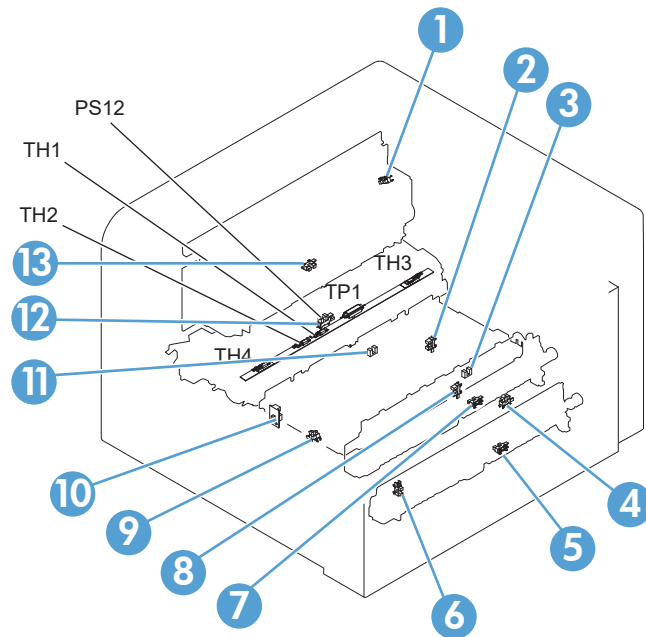


Table 1-2 Sensor locations

Item	Description	Removal process
1	Output bin media full sensor	This is removed as part of the paper delivery assembly. See Paper delivery assembly on page 34 .
2	Upper cassette lift-up sensor	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
3	Top of page sensor	This is removed as part of the high voltage power supply. See High-voltage power supply on page 93 .
4	Tray 1 (MP tray) media out sensor	This is removed as part of the cartridge door assembly. See Toner cartridge door on page 48 .
5	Lower cassette media out sensor	This is removed as part of the lower cassette pickup assembly. See Lower cassette pickup assembly on page 57 .
6	Right door sensor	See Right door sensor on page 80 .
7	Upper cassette media out sensor	This is removed as part of the upper cassette pickup assembly. See Upper cassette pickup assembly on page 54 .
8	Lower cassette lift-up sensor	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
9	Cartridge presence sensor	See Cartridge presence sensor on page 79 .
10	Environment sensor	See Environment sensor on page 79 .
11	Loop sensor	This is removed as part of the high voltage power supply. See High-voltage power supply on page 93 .

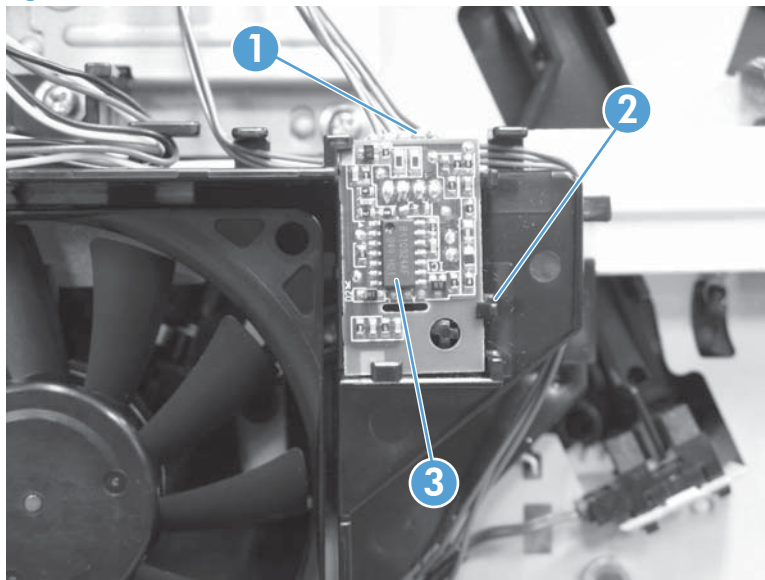
Table 1-2 Sensor locations (continued)

Item	Description	Removal process
12	Fuser output sensor	This is removed as part of the fuser. See Fuser on page 33 .
13	Output sensor	This is removed as part of the paper delivery assembly. See Paper delivery assembly on page 34 .

Environment sensor

1. Remove the front cover. See [Front cover on page 13](#).
2. Disconnect one connector (callout 1), release one tab (callout 2), and then remove the environment sensor (callout 3) from the product.

Figure 1-122 Remove the environment sensor

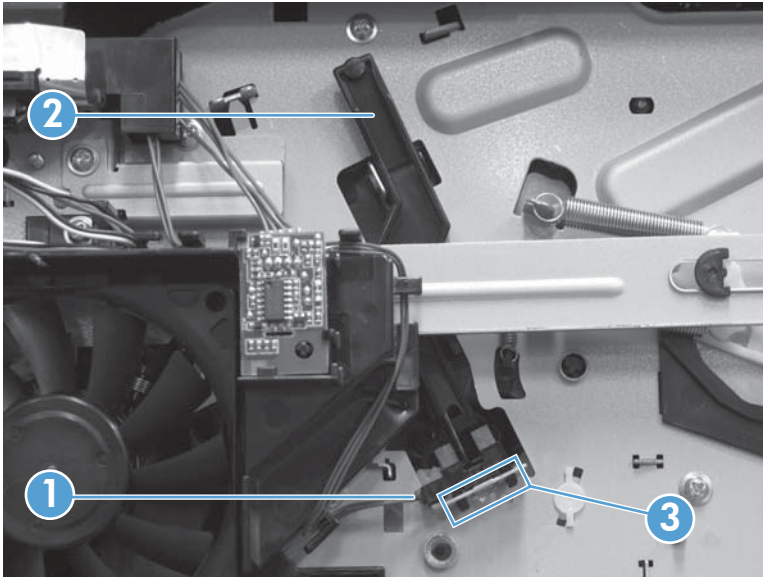


Cartridge presence sensor

1. Remove the front cover. See [Front cover on page 13](#).

2. Disconnect one connector (callout 1), and then, while pressing the lever (callout 2), release two tabs (callout 3) on the bottom of the cartridge presence sensor to remove it from the product.

Figure 1-123 Remove the cartridge presence sensor

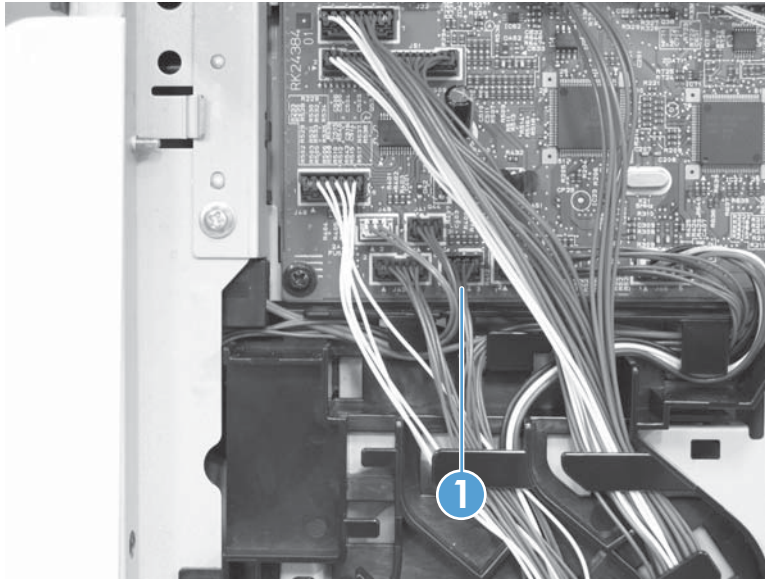


Right door sensor

1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Right front lower cover. See [Front right lower cover on page 17](#).
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Right door. See [Right door on page 19](#).
 - Lower cassette pickup assembly. See [Lower cassette pickup assembly on page 57](#).

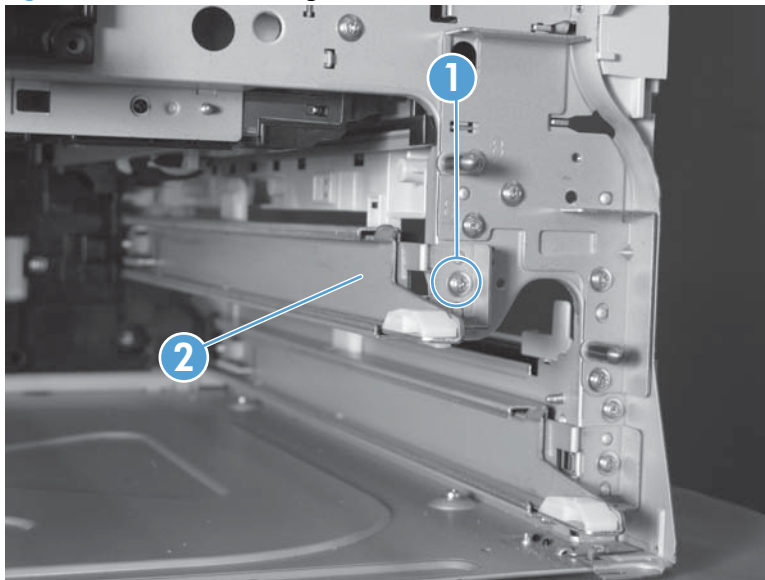
2. Disconnect one connector (callout 1) (J44) on the DC controller PCA.

Figure 1-124 Remove the right door sensor (1 of 4)



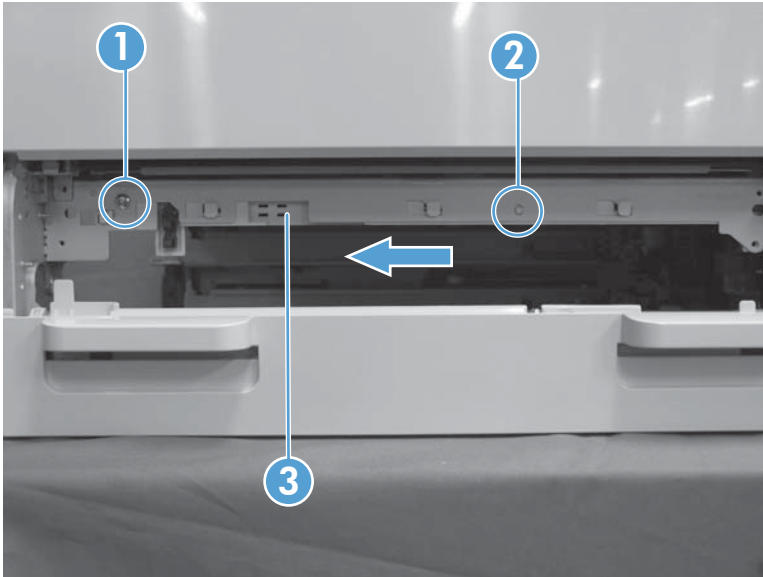
3. Remove one screw (callout 1), and then remove the right upper cassette rail (callout 2).

Figure 1-125 Remove the right door sensor (2 of 4)



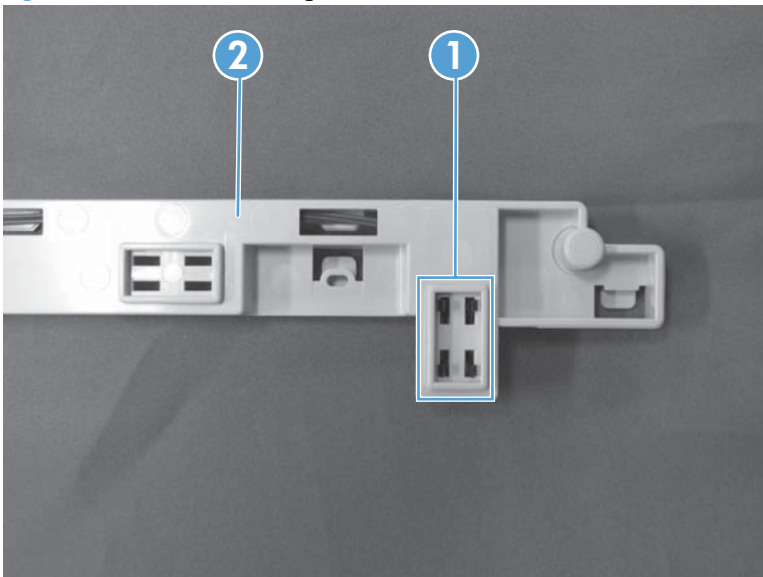
4. Remove one screw (callout 1), release one tab (callout 2), and then slide the sensor holder (callout 3) in the direction indicated to remove it from the product.

Figure 1-126 Remove the right door sensor (3 of 4)



5. Release four tabs (callout 1), and then remove the sensor from the sensor holder (callout 2).

Figure 1-127 Remove the right door sensor (4 of 4)



Motors, fans, and clutches

The product includes the motors and fans shown below.

Figure 1-128 Motor locations

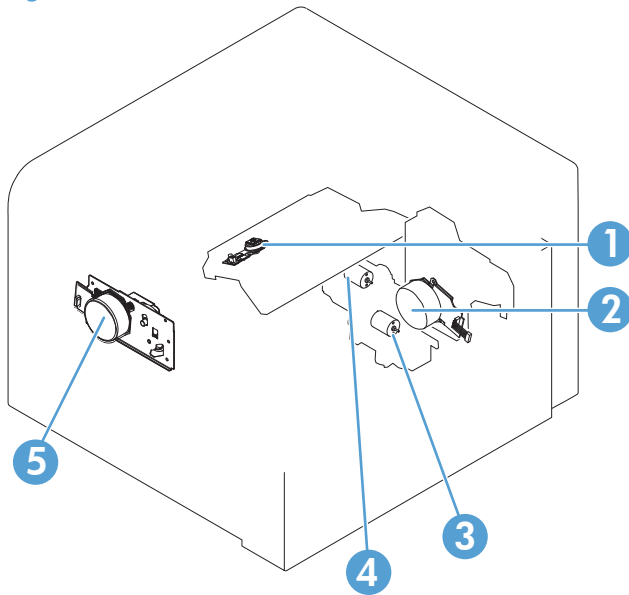


Table 1-3 Motor locations

Item	Description	Removal process
1	Scanner motor	This is removed as part of the laser scanner assembly. See Laser scanner on page 46 .
2	Drum motor	This is removed as part of the main drive assembly. See Main drive assembly on page 60 .
3	Upper cassette lifter motor	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
4	Lower cassette lifter motor	This is removed as part of the lifter drive assembly. See Lifter drive assembly on page 59 .
5	Fuser motor	See Fuser motor on page 85 .

Figure 1-129 Fan locations

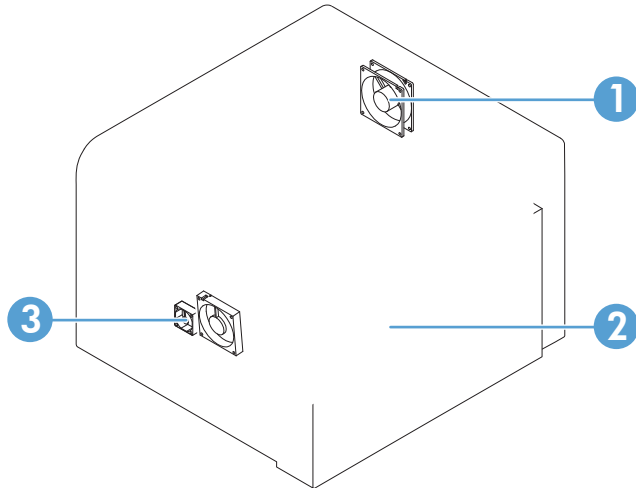


Table 1-4 Fan locations

Item	Description	Removal process
1	Rear fan	See Rear fan on page 85 .
2	Front fan	See Front fan on page 87 .
3	Fuser fan	See Fuser fan on page 89 .

Figure 1-130 Clutch locations

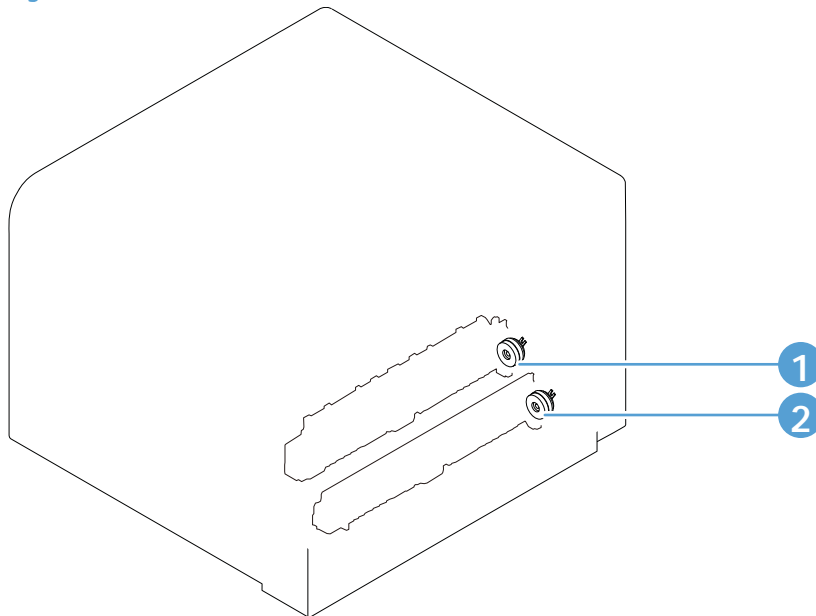


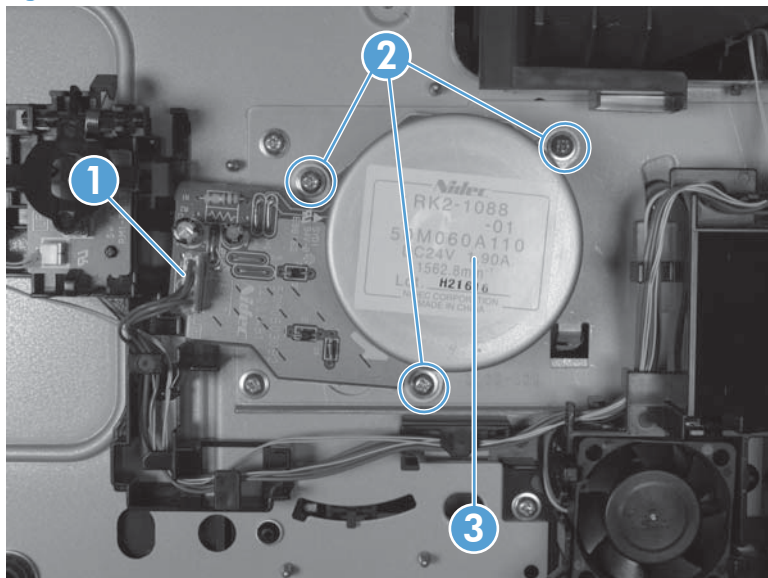
Table 1-5 Fan locations

Item	Description	Removal process
1	Upper cassette pickup clutch	See Upper cassette pickup clutch on page 89 .
2	Lower cassette pickup clutch	See Lower cassette pickup clutch on page 91 .

Fuser motor

1. Remove the front cover. See [Front cover on page 13](#).
2. Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the fuser motor (callout 3) from the product.

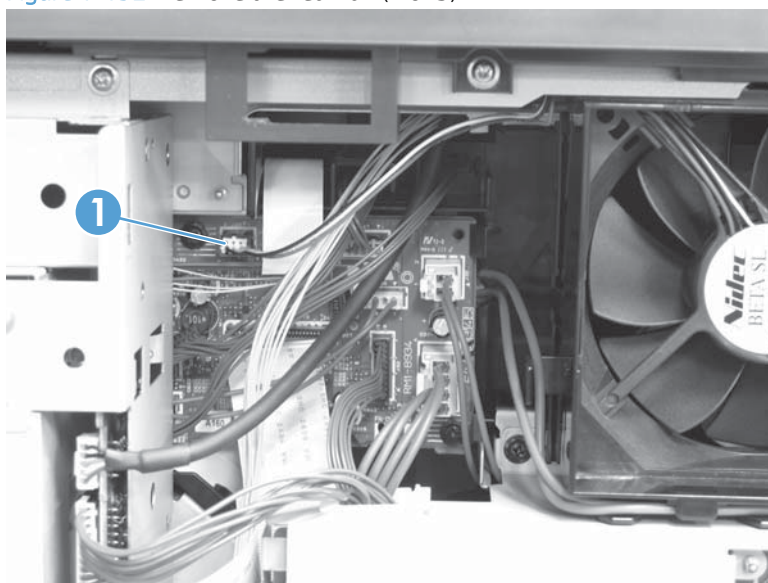
Figure 1-131 Remove the fuser motor



Rear fan

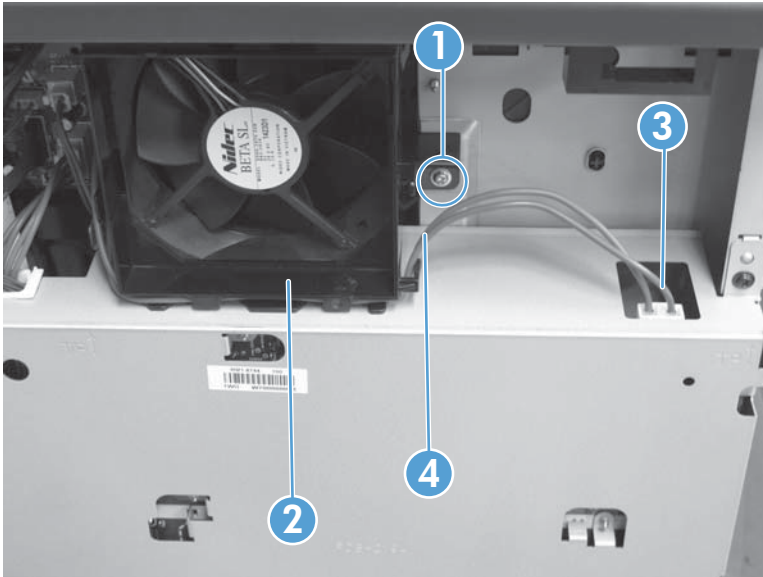
1. Remove the rear cover. See [Rear cover on page 15](#).
2. Disconnect one connector (callout 1) (J33) on the DC controller PCA.

Figure 1-132 Remove the rear fan (1 of 3)



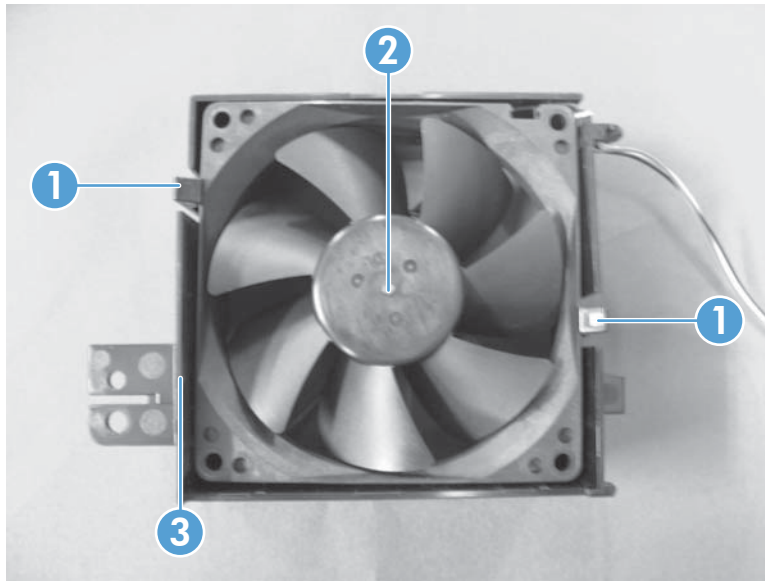
3. Remove one screw (callout 1), remove the rear fan holder (callout 2), disconnect one connector (callout 3), and release the cables (callout 4) from the cable guide.

Figure 1-133 Remove the rear fan (2 of 3)



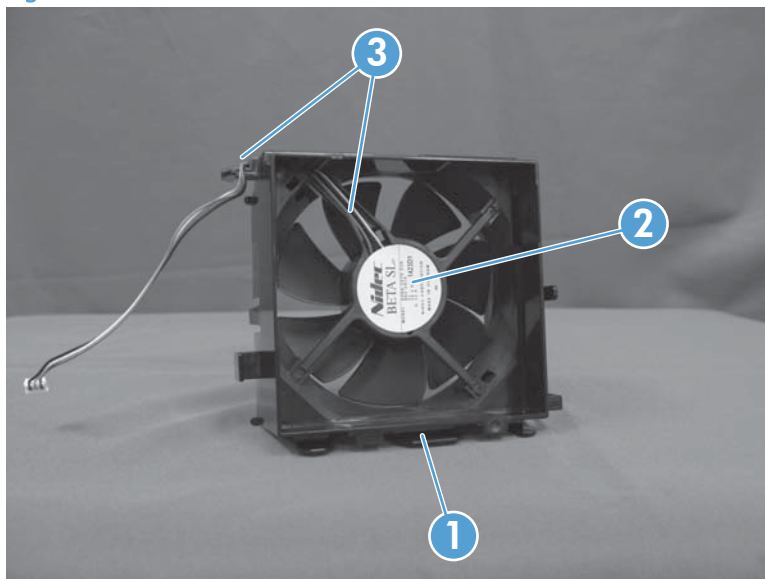
4. Release two tabs (callout 1) and remove the rear fan (callout 2) from the rear fan holder (callout 3).

Figure 1-134 Remove the rear fan (3 of 3)



Reinstallation tip: When reinstalling the rear fan, make sure that the fan holder (callout 1), the label of the fan (callout 2), and the fan cable (callout 3) are positioned as shown in the figure below.

Figure 1-135 Reinstall the rear fan

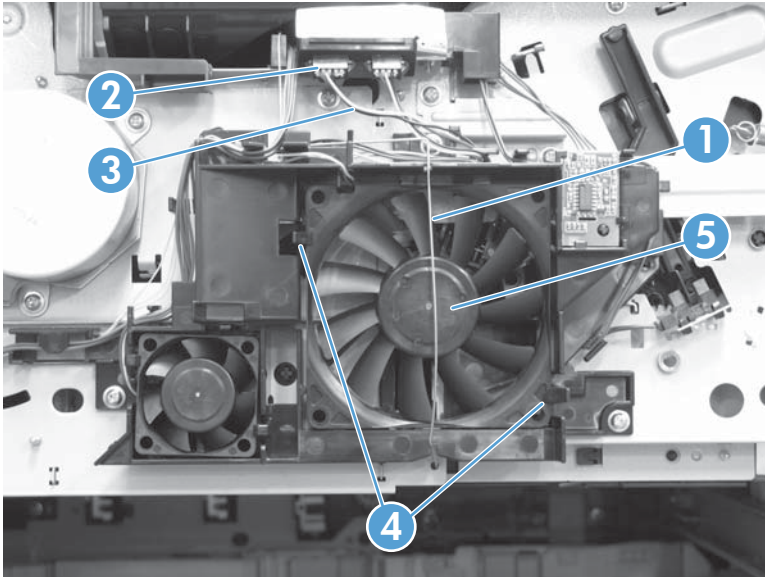


Front fan

1. Remove the front cover. See [Front cover on page 13](#).

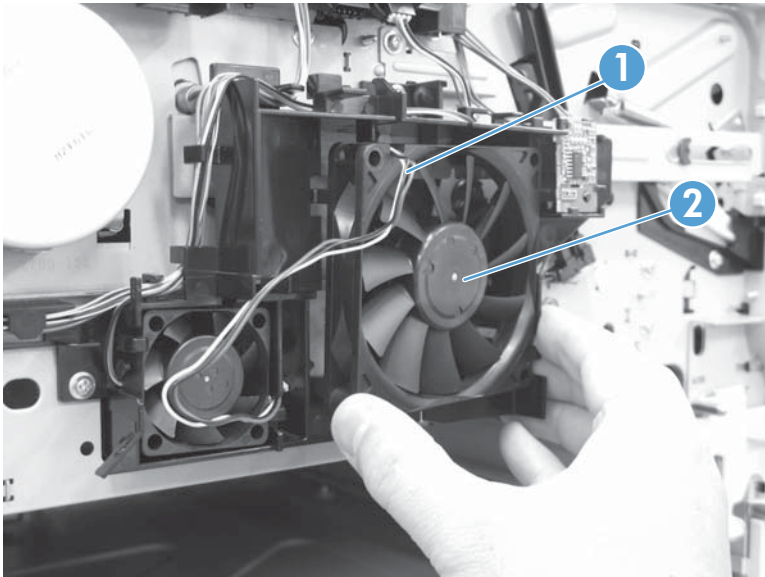
2. Remove the wire (callout 1), disconnect one connector (callout 2), release the cable (callout 3) from the cable guide, release two tabs (callout 4), and then remove the front fan (callout 5).

Figure 1-136 Remove the front fan



Reinstallation tip: When reinstalling the front fan, make sure that the fan cable (callout 1) and the fan label (callout 2) are positioned as shown in the figure below.

Figure 1-137 Reinstall the front fan

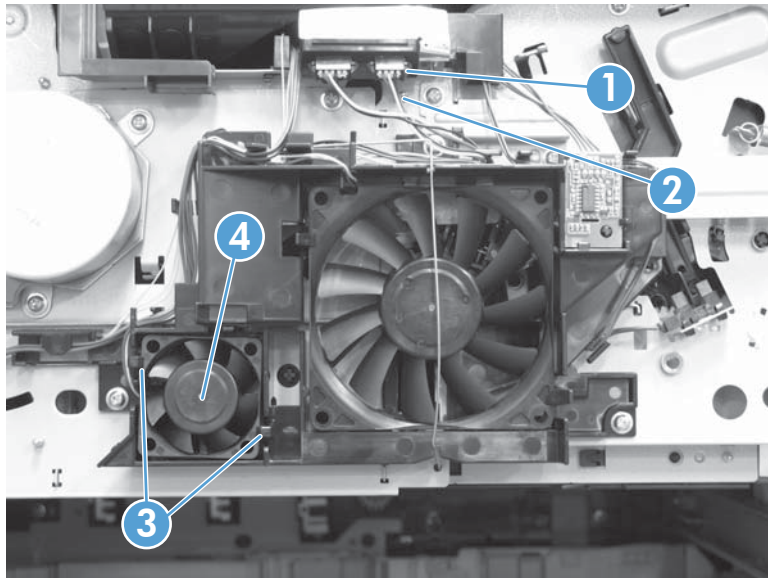


NOTE: When reinstalling the ground wire, see the installation tip in [Fuser drive assembly on page 64](#).

Fuser fan

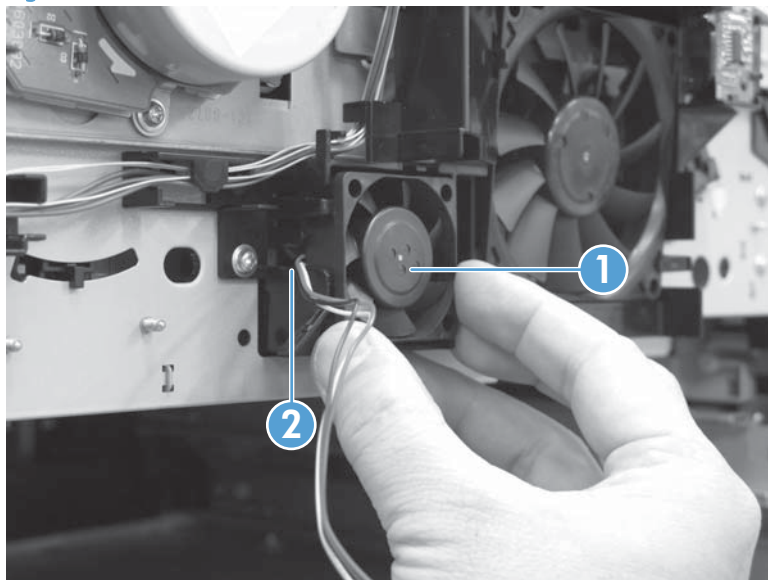
1. Remove the front cover. See [Front cover on page 13](#).
2. Disconnect one connector (callout 1), release the cable (callout 2) from the cable guide, release two tabs (callout 3), and then remove the fuser fan (callout 4) from the product.

Figure 1-138 Remove the fuser fan



Reinstallation tip: When reinstalling the fuser fan, make sure that the fan label (callout 1) and the fan cable (callout 2) are positioned as shown in the figure below.

Figure 1-139 Reinstall the fuser fan

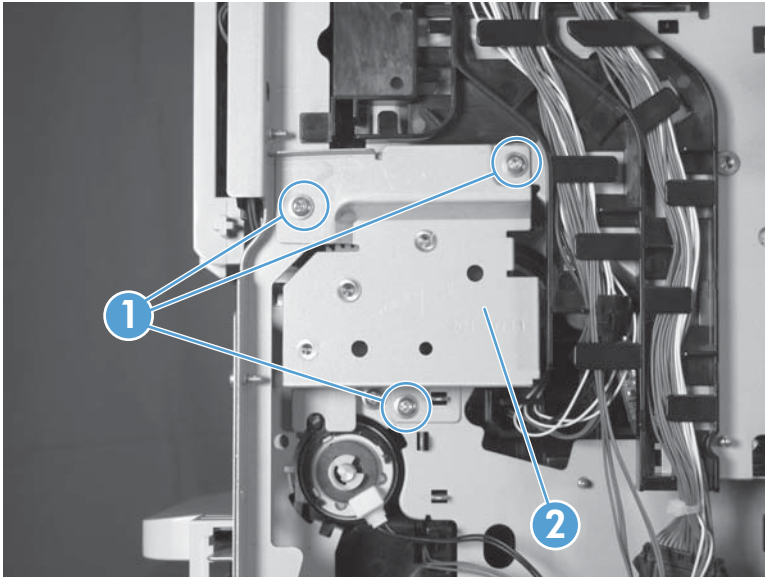


Upper cassette pickup clutch

1. Remove the following components or assemblies:

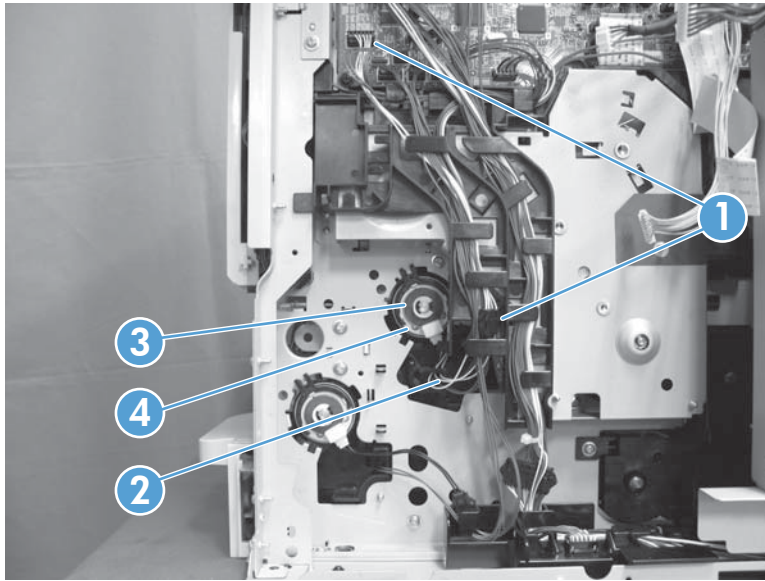
- Front cover. See [Front cover on page 13](#).
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 (multipurpose tray) cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).
 - Toner cartridge door. See [Toner cartridge door on page 48](#).
2. Remove three screws (callout 1), and then remove the gear assembly (callout 2).

Figure 1-140 Remove the upper cassette pickup assembly (1 of 4)



3. Disconnect two connectors (callout 1), release the cables (callout 2) from the cable guide, remove the C-clip (callout 3) from the clutch shaft, and then pull the upper cassette pickup clutch (callout 4) to remove it from the product.

Figure 1-141 Remove the upper cassette pickup assembly (2 of 4)

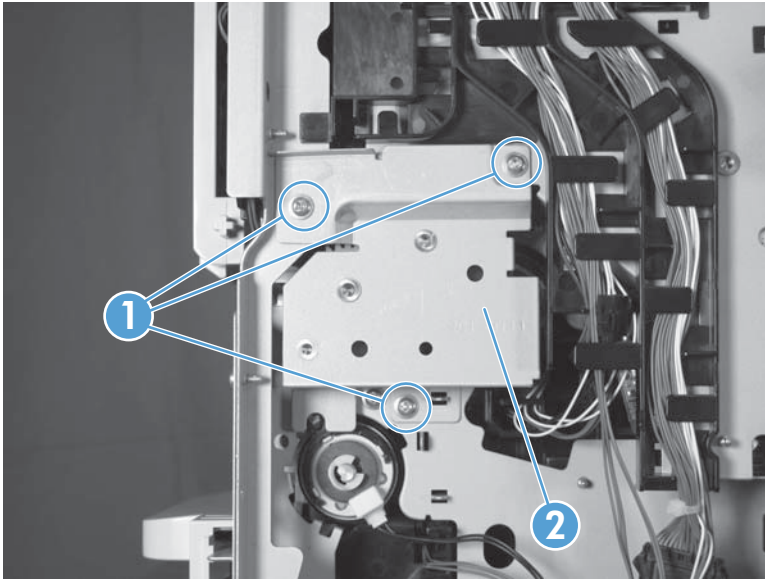


Lower cassette pickup clutch

1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
 - Right rear cover. See [Right rear cover on page 13](#).
 - Tray 1 (multipurpose tray) cover. See [Tray 1 \(multipurpose tray\) cover on page 18](#).
 - Right door. See [Right door on page 19](#).

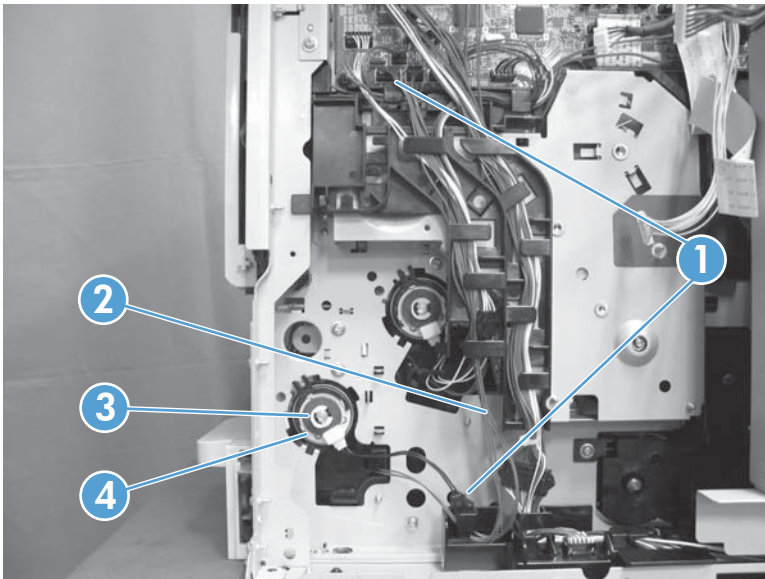
2. Remove three screws (callout 1), and then remove the gear assembly (callout 2).

Figure 1-142 Remove the lower cassette pickup assembly (1 of 3)



3. Disconnect two connectors (callout 1) (J43), release the cables (callout 2) from the cable guide, remove the C-clip (callout 3) from the clutch shaft, and then pull the lower cassette pickup clutch (callout 4) to remove it from the product.

Figure 1-143 Remove the lower cassette pickup assembly (2 of 3)



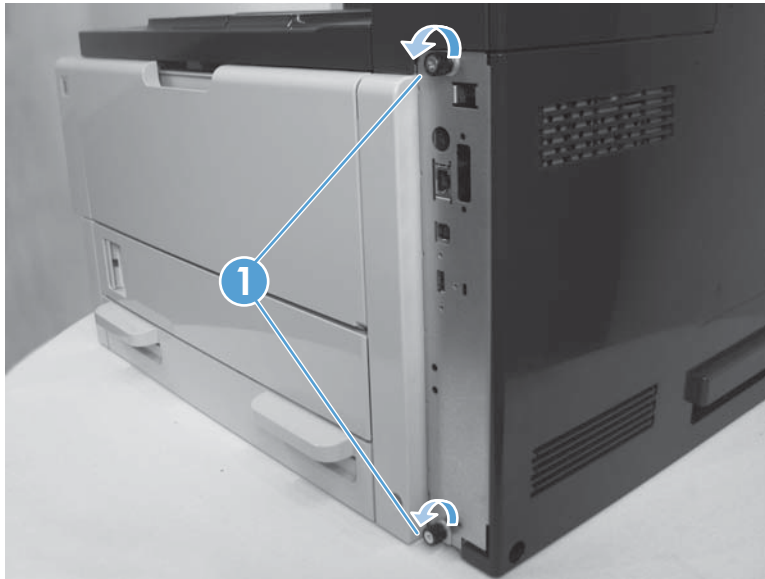
Printed circuit-board assemblies (PCAs)

Formatter PCA

The formatter is located in the right rear corner of the product. You do not need tools to remove it.

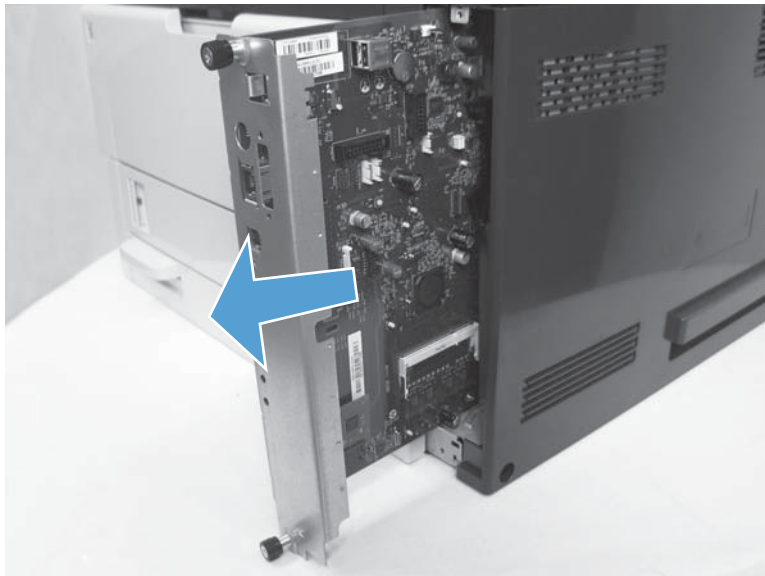
1. Locate the formatter and turn two thumb-screws (callout 1) counterclockwise to detach the formatter base plate from the chassis.

Figure 1-144 Remove the formatter (1 of 2)



2. Pull the formatter away from the product to remove it.

Figure 1-145 Remove the formatter (2 of 2)

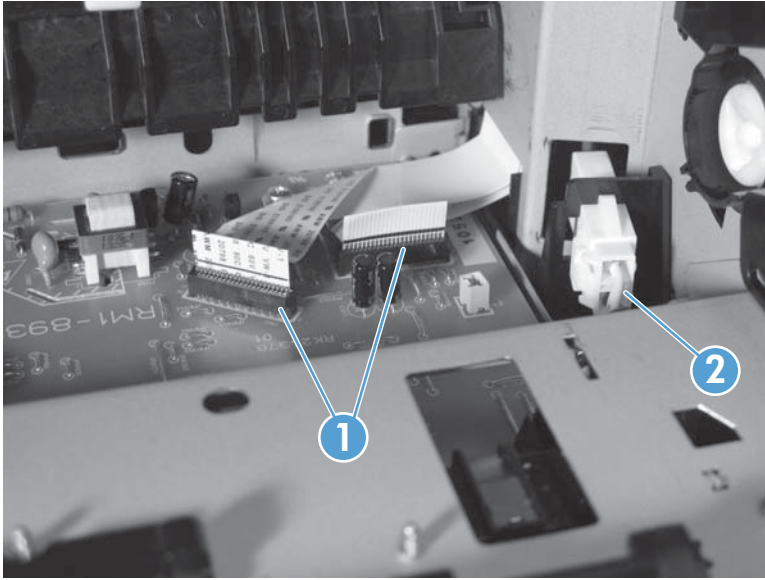


High-voltage power supply

1. Remove the following components or assemblies:

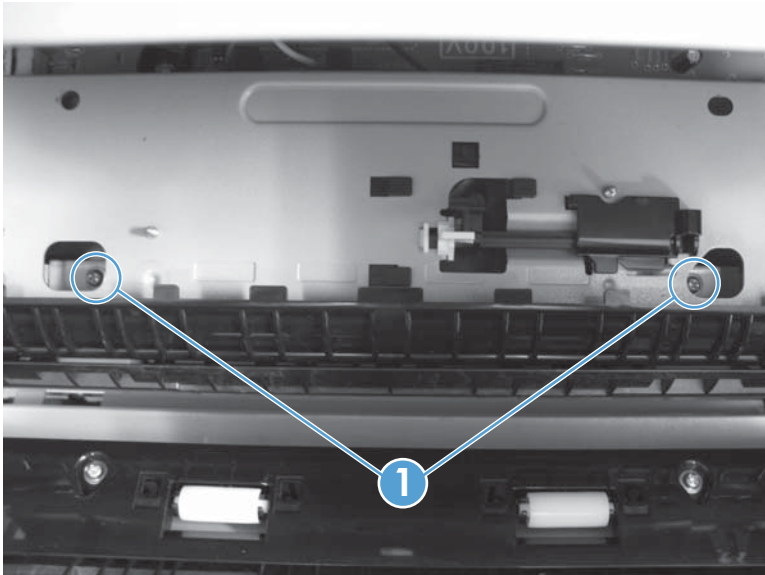
- Left door. See [Left door on page 14](#)
 - Fuser. See [Fuser on page 33](#).
 - Registration assembly. See [Registration assembly on page 38](#).
 - Paper feed assembly. See [Paper feed assembly on page 41](#).
2. Disconnect two flat flexible cables (callout 1) and one connector (callout 2).

Figure 1-146 Remove the high-voltage power supply assembly (1 of 5)



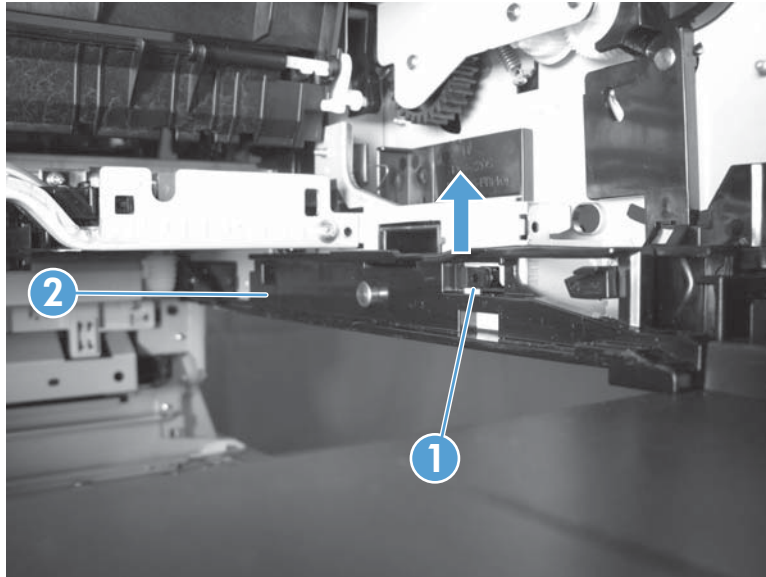
3. Remove two screws (callout 1).

Figure 1-147 Remove the high-voltage power supply assembly (2 of 5)



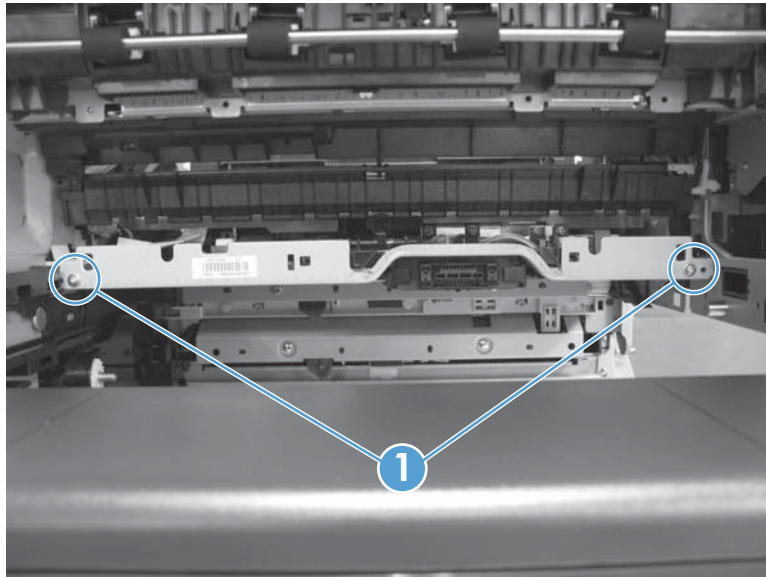
4. From the left side of the product, release one tab (callout 1), and then turn the guide (callout 2) slightly in the direction indicated and remove it.

Figure 1-148 Remove the high-voltage power supply assembly (3 of 5)



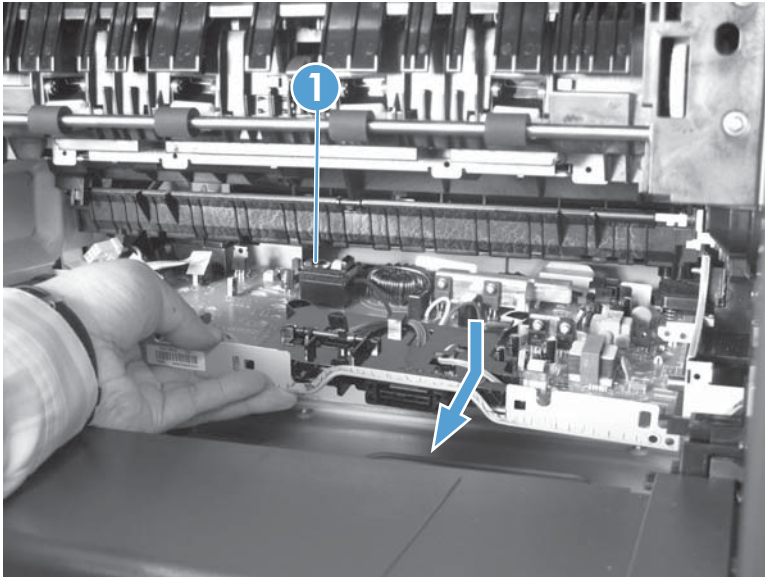
5. Remove two screws (callout 1).

Figure 1-149 Remove the high-voltage power supply assembly (4 of 5)



6. Slide the high-voltage power supply assembly (callout 1) downward slightly and remove it from the product.

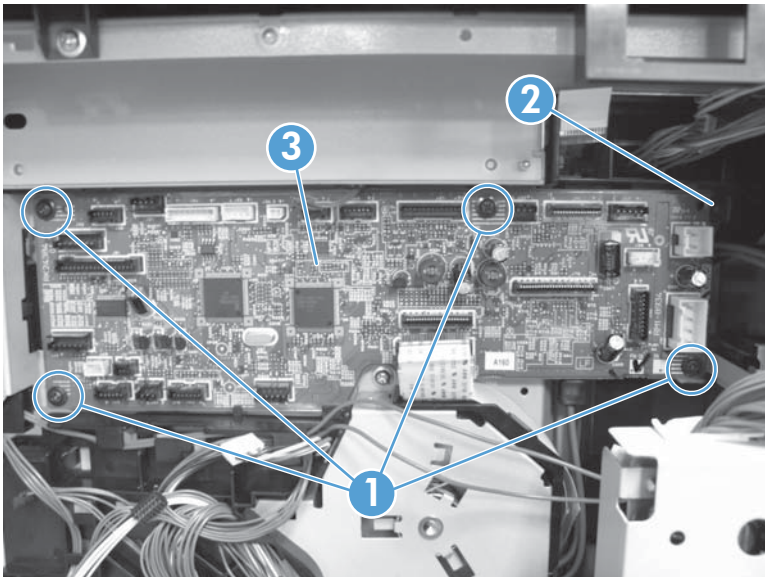
Figure 1-150 Remove the high-voltage power supply assembly (5 of 5)



DC controller PCA

1. Remove the following components or assemblies:
 - Rear cover. See [Rear cover on page 15](#).
 - Formatter cage. See [Formatter cage assembly on page 53](#).
2. Disconnect all of the connectors on the DC controller PCA, remove four screws (callout 1), release one tab (callout 2), and then remove the DC controller PCA (callout 3) from the product.

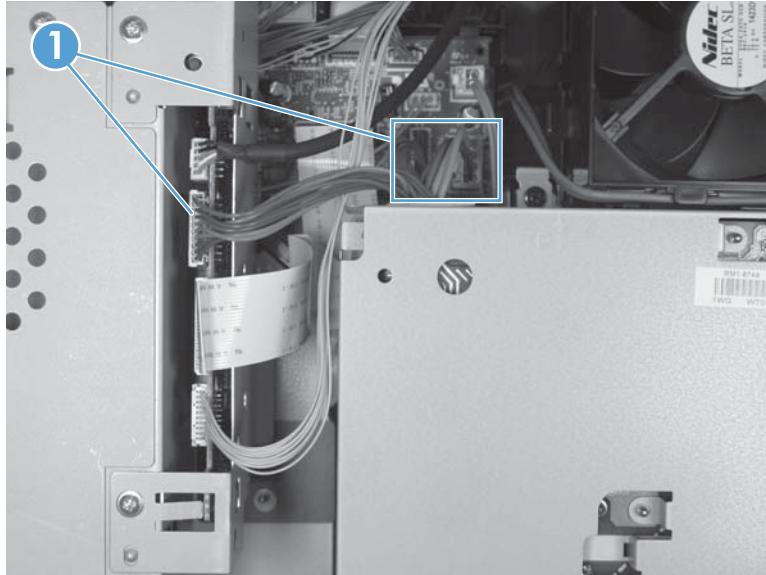
Figure 1-151 Remove the DC controller PCA



Low-voltage power supply assembly

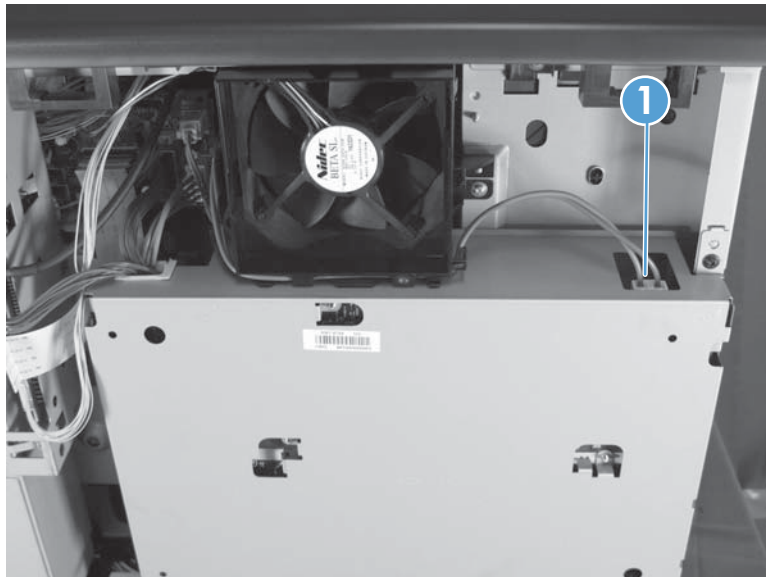
1. Remove the rear cover. See [Rear cover on page 15](#).
2. Disconnect three connectors (callout 1).

Figure 1-152 Remove the low-voltage power supply assembly (1 of 4)



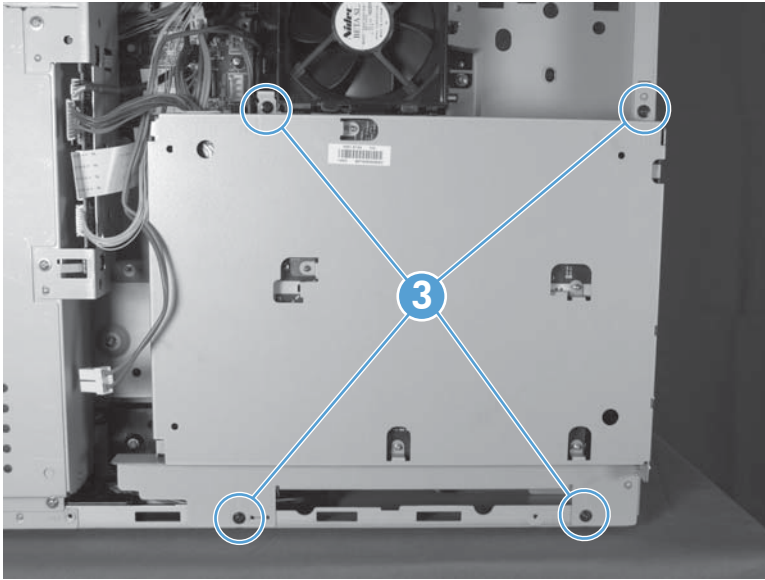
3. Disconnect one connector (callout 1).

Figure 1-153 Remove the low-voltage power supply assembly (2 of 4)



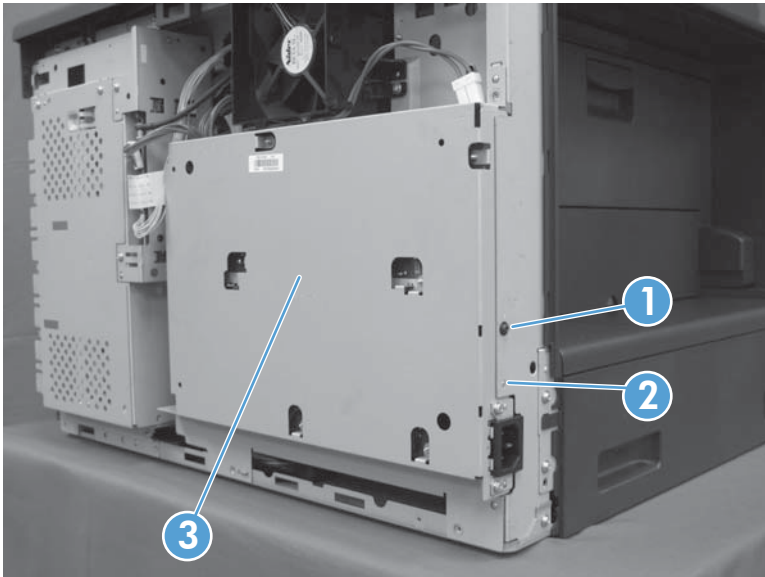
4. Remove four screws (callout 1).

Figure 1-154 Remove the low-voltage power supply assembly (3 of 4)



5. Remove one screw (callout 1), release one tab (callout 2), and then remove the low-voltage power supply assembly (callout 3) from the product.

Figure 1-155 Remove the low-voltage power supply assembly (4 of 4)

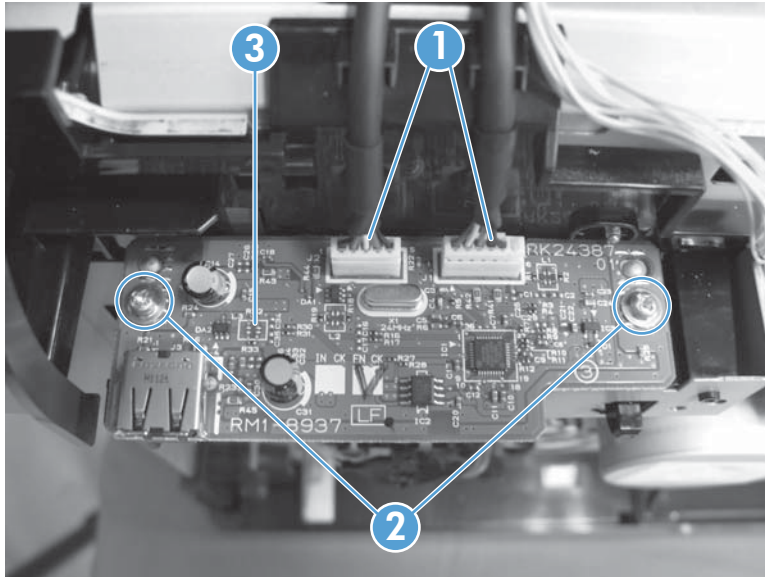


USB PCA

1. Remove the following components or assemblies:
 - Front cover. See [Front cover on page 13](#).
 - Control panel. See [Control panel assembly on page 34](#).

2. On the front side of the product, disconnect two connectors (callout 1), remove two screws (callout 2), and then remove the USB PCA (callout 3) from the product.

Figure 1-156 Remove the USB PCA

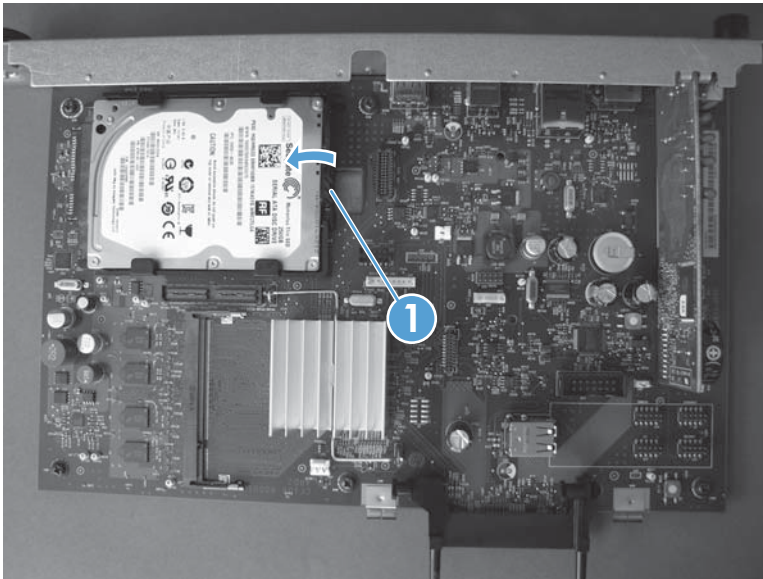


Miscellaneous parts

Hard drive

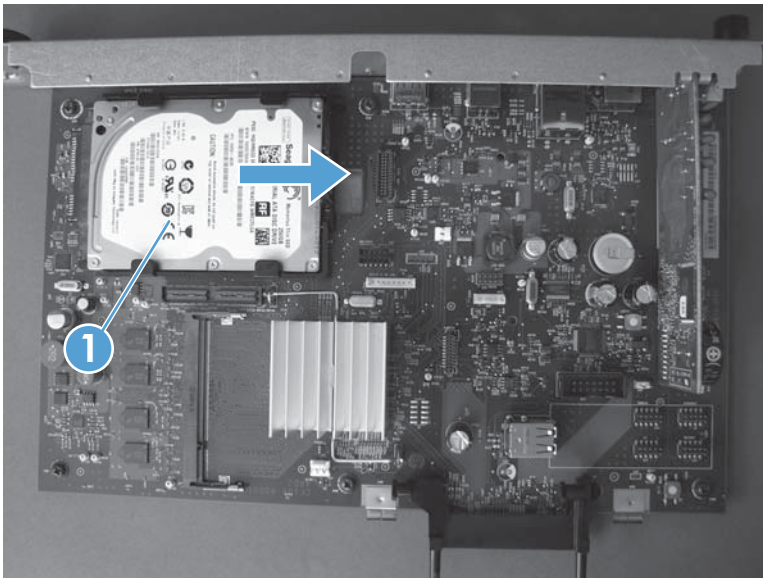
1. Remove the formatter from the product.
2. On the formatter, bend the plastic tab (callout 1) on the hard disk assembly toward the disk to disengage a tab underneath the formatter PCA.

Figure 1-157 Remove the hard drive (1 of 2)



3. Slide the hard disk (callout 1) in the direction indicated to remove it from the formatter PCA.

Figure 1-158 Remove the hard drive (2 of 2)



Trays

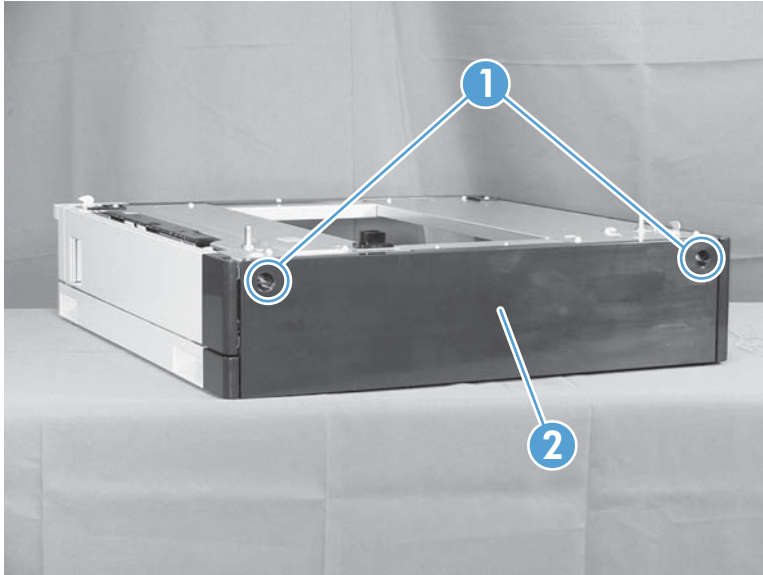
1x500-sheet paper feeder assembly

NOTE: The user documentation refers to this assembly as the 500-sheet Tray 4.

1x500 rear cover

Remove two screws (callout 1), and then remove the rear cover (callout 2).

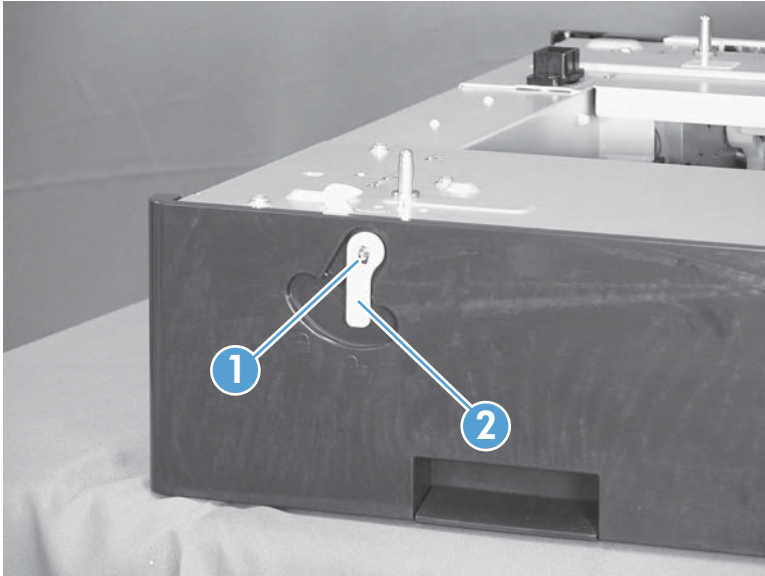
Figure 1-159 Remove the 1x500 rear cover



1x500 left cover

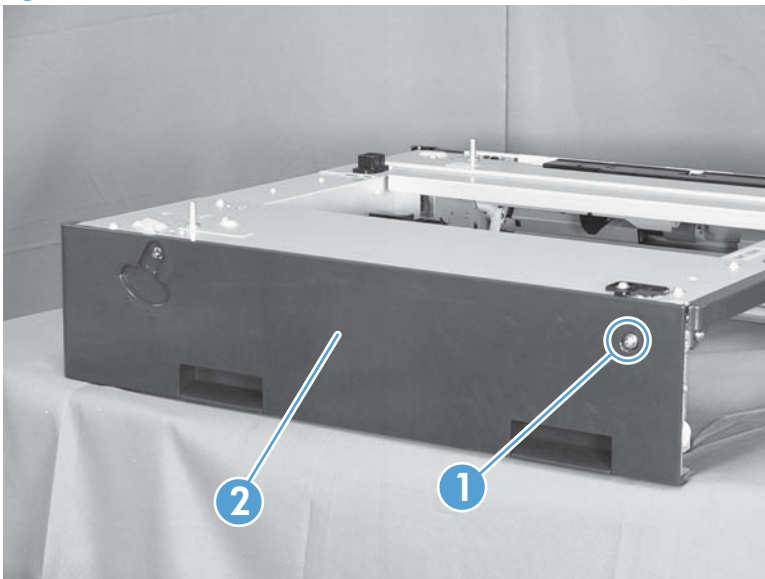
1. Take the cassette out of the feeder, release one tab (callout 1), and then remove the lever (callout 2).

Figure 1-160 Remove the 1x500 left cover (1 of 2)



2. Remove one screw (callout 1), release four tabs from the inside (see the tip that follows this step), and then remove the left cover (callout 2).

Figure 1-161 Remove the 1x500 left cover (2 of 2)

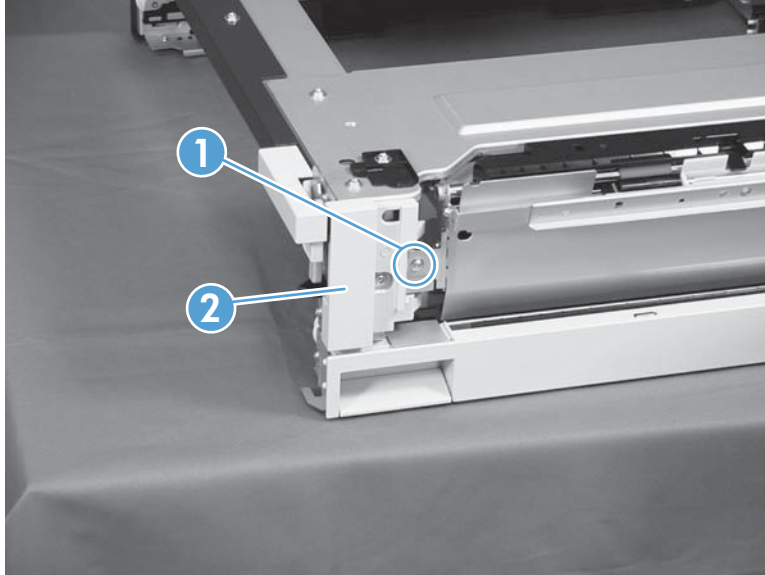


TIP: The following figures show the tabs inside the cover.

1x500 right-front cover

1. Take the cassette out of the feeder, and then open the right door.
2. Remove one screw (callout 1), and then remove the right-front cover (callout 2).

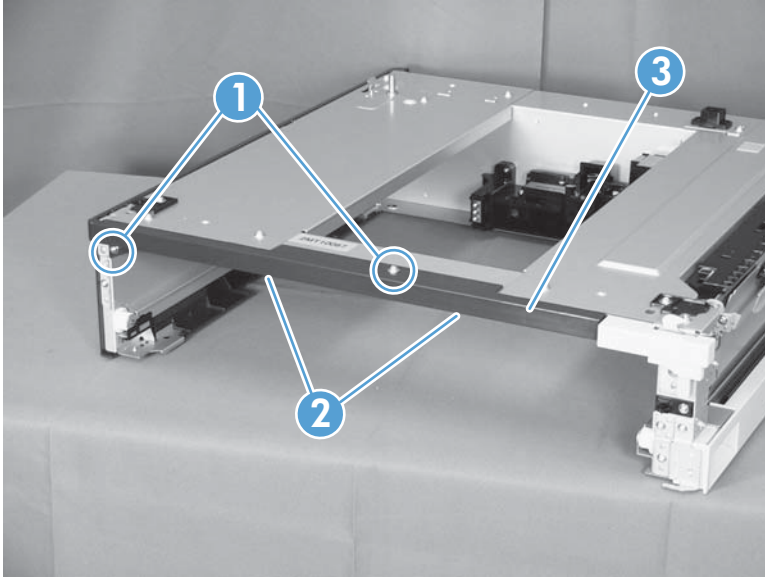
Figure 1-162 Remove the 1x500 right-front cover



1x500 front-upper cover

1. Remove the cassette from the feeder, and then remove the right-front cover (see [1x500 right-front cover on page 103](#)).
2. Remove two screws (callout 1), release two tabs (callout 2), and then remove the front upper cover unit (callout 3).

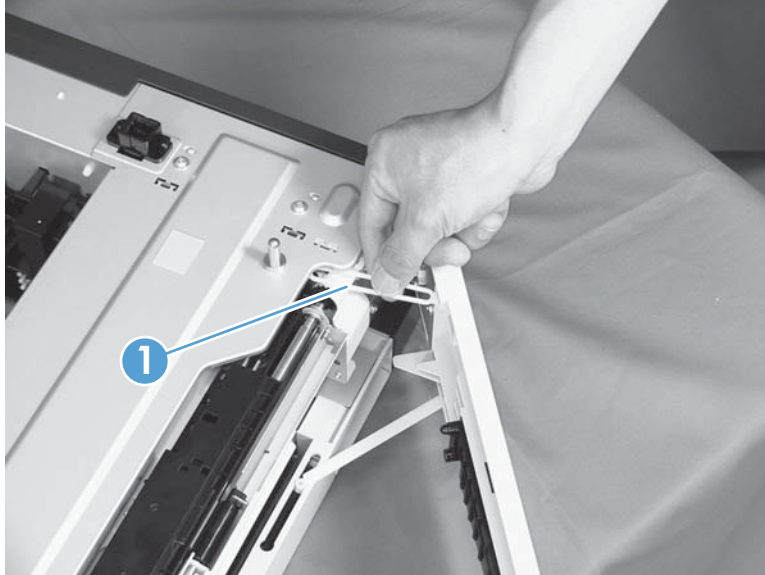
Figure 1-163 Remove the 1x500 front-upper cover



1x500 right door

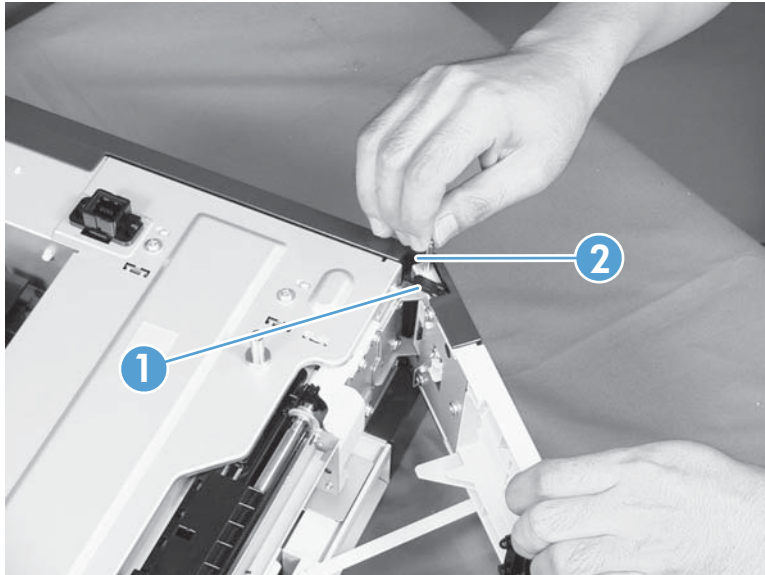
1. Lift the product off the feeder, and then open the tray right door.
2. Release the link arm (callout 1).

Figure 1-164 Remove the 1x500 right door (1 of 3)



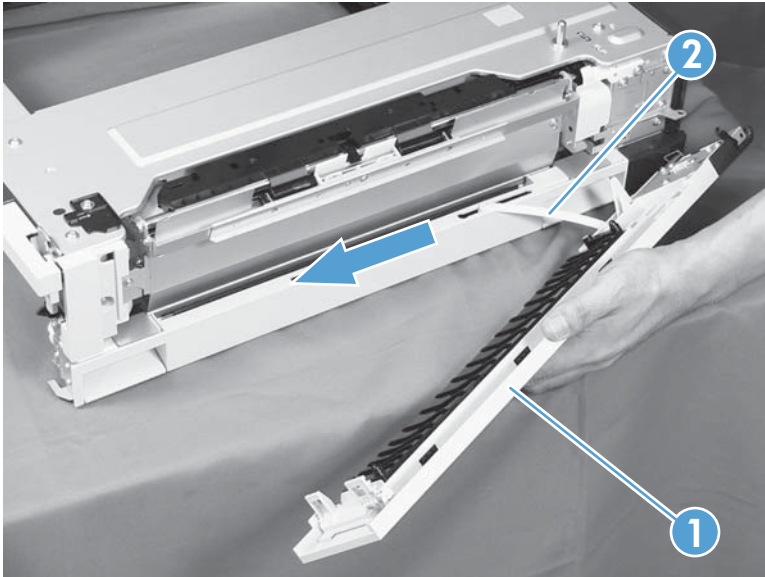
3. Release the stopper (callout 1), and then release the shaft (callout 2).

Figure 1-165 Remove the 1x500 right door (2 of 3)



- Slide the right door (callout 1) and the arm (callout 2) in the direction that the arrow indicates to remove them together, and then remove the arm from the right door unit.

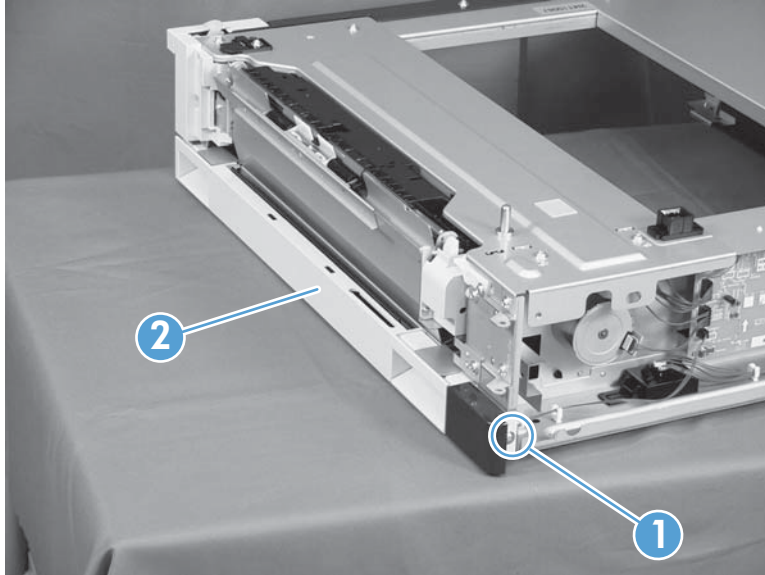
Figure 1-166 Remove the 1x500 right door (3 of 3)



1x500 right-lower cover

1. Remove the cassette from the feeder, and then remove the right door (see [1x500 right door on page 105](#)).
2. Remove one screw (callout 1), and then slide the cover (callout 2) to the right to clear an alignment pin at the left side of the cover.

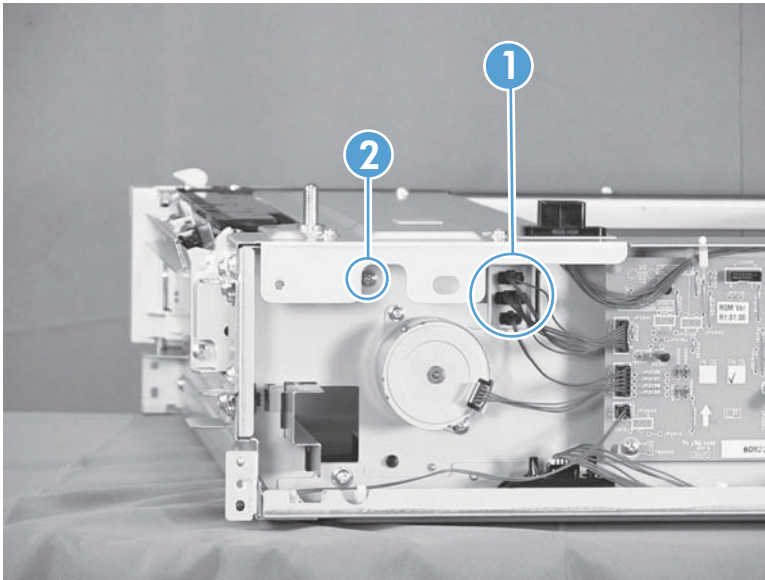
Figure 1-167 Remove the 1x500 right-lower cover



1x500 pickup assembly

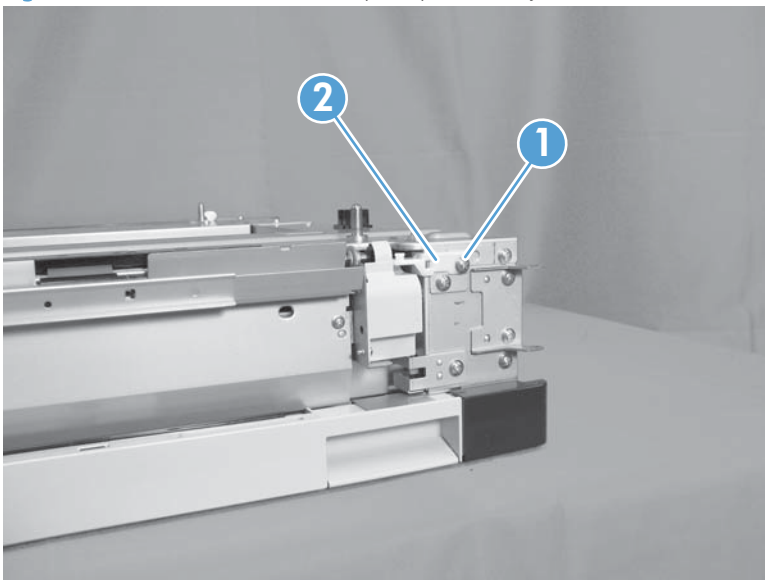
1. Remove the following components or assemblies:
 - Rear cover. See [1x500 rear cover on page 101](#).
 - Right-front cover. See [1x500 right-front cover on page 103](#).
 - Right door. See [1x500 right door on page 105](#).
 - Right-lower cover. See [1x500 right-lower cover on page 107](#).
2. Disconnect three connectors (callout 1), and then remove one screw (callout 2).

Figure 1-168 Remove the 1x500 pickup assembly (1 of 4)



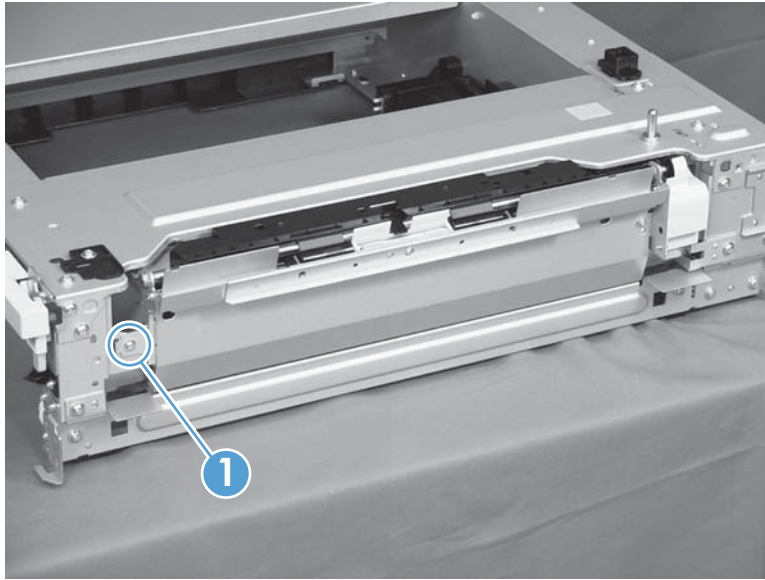
3. Remove one screw (callout 1), and then remove the stopper of the right-door link (callout 2).

Figure 1-169 Remove the 1x500 pickup assembly (2 of 4)



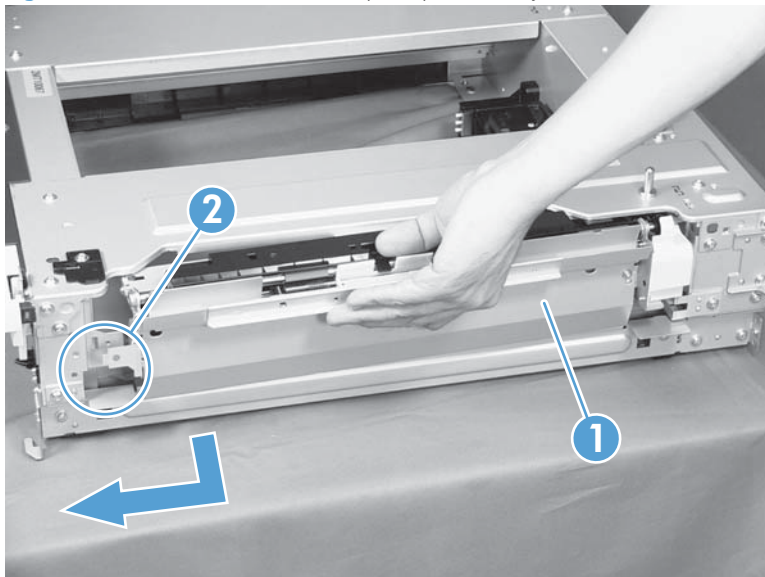
4. Remove one screw (callout 1).

Figure 1-170 Remove the 1x500 pickup assembly (3 of 4)



5. Lift the 1x500 pickup assembly (callout 1) slightly to clear a tab (callout 2), and then slide it in the direction that the arrow indicates to remove it.

Figure 1-171 Remove the 1x500 pickup assembly (4 of 4)

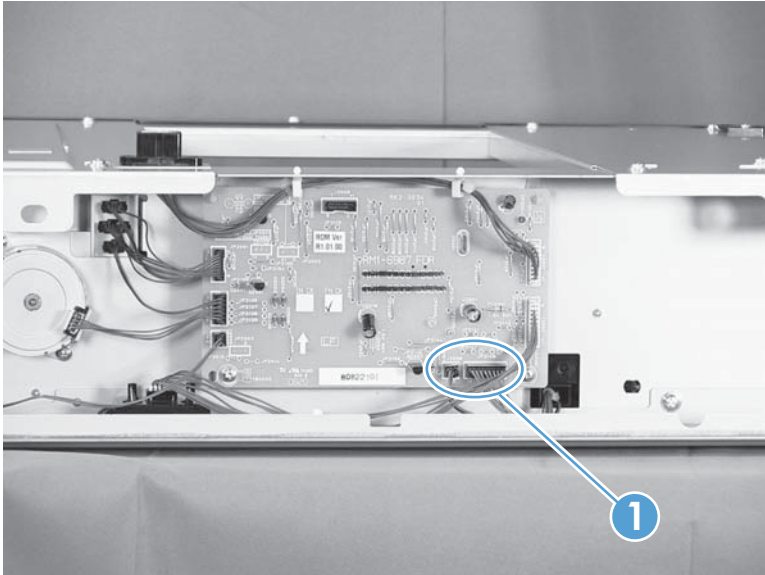


Reinstallation tip: When reassembling the 1x500 pickup assembly, be sure to fit the shaft (callout 1) on the assembly to the hole (callout 2) in the feeder.

1x500 lifter-drive assembly

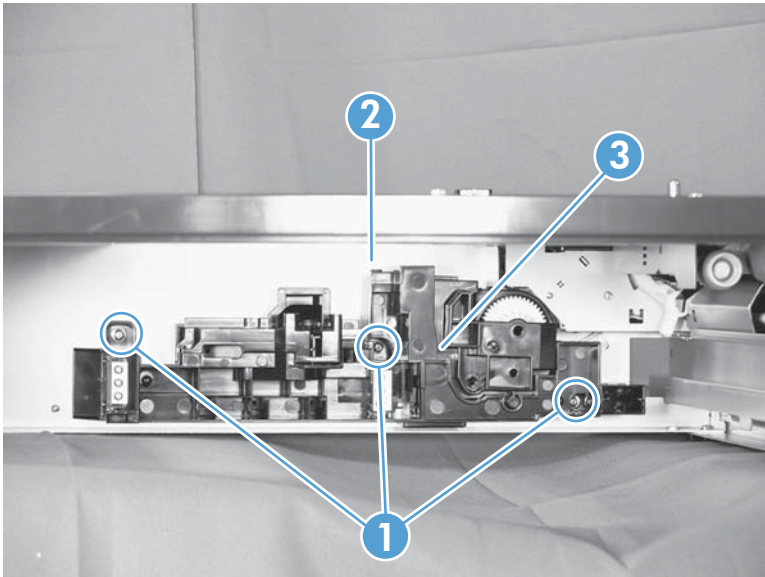
1. Remove the cassette from the feeder, and then remove the rear cover (see [1x500 rear cover on page 101](#)).
2. Disconnect two connectors (callout 1).

Figure 1-172 Remove the 1x500 lifter-drive assembly (1 of 2)



3. From the front, inside the tray cavity, remove three screws (callout 1), release one tab (callout 2), and then remove the 1x500 lifter-drive assembly (callout 3).

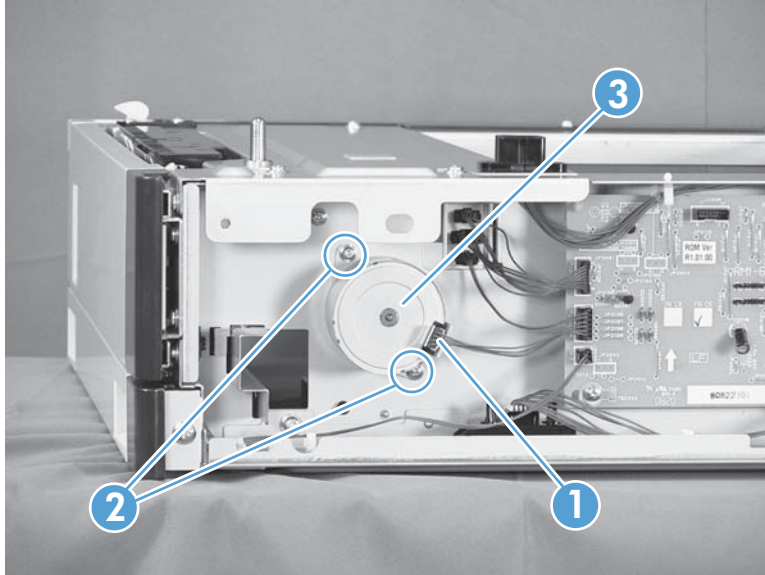
Figure 1-173 Remove the 1x500 lifter-drive assembly (2 of 2)



1x500 pickup motor

1. Remove the cassette from the feeder, and then remove the rear cover (see [1x500 rear cover on page 101](#)).
2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the 1x500 pickup motor (callout 3).

Figure 1-174 Remove the 1x500 pickup motor

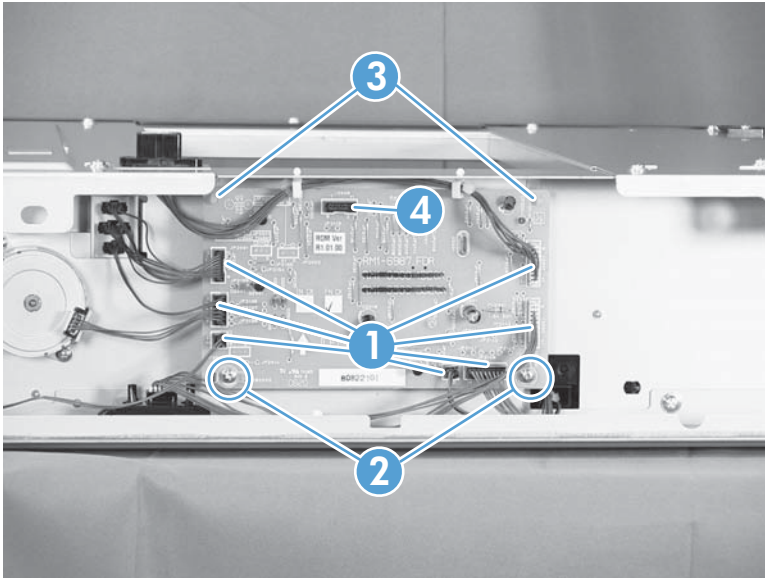


1x500 driver PCA

1. Remove the cassette from the feeder, and then remove the rear cover (see [1x500 rear cover on page 101](#)).
2. Disconnect seven connectors (callout 1), remove two screws (callout 2), release two tabs (callout 3), and then remove the 1x500 driver PCA.

NOTE: One connector (callout 4) on the 1x500 driver PCA remains empty.

Figure 1-175 Remove the 1x500 driver PCA



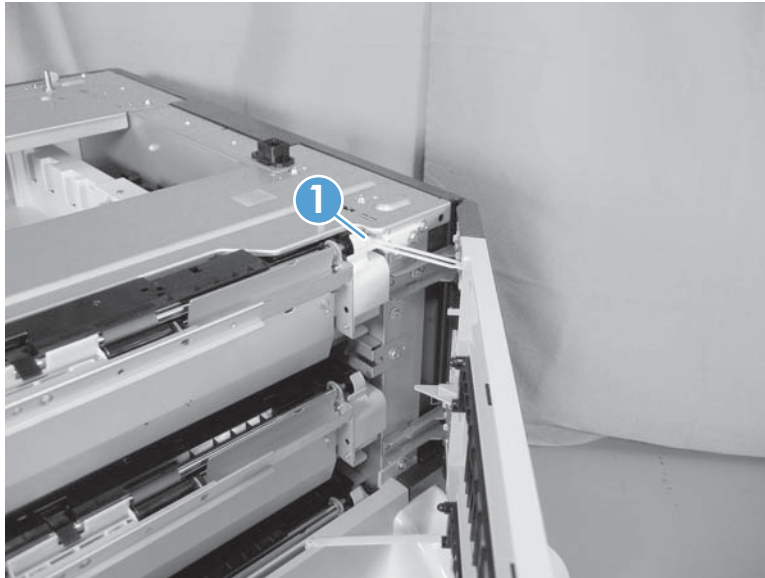
1x500 or 3x500-sheet paper deck (optional accessory)

NOTE: The figures in this section show the 3x500 paper deck. The procedures for the 1x500 paper deck are the same.

Paper deck right-door assembly

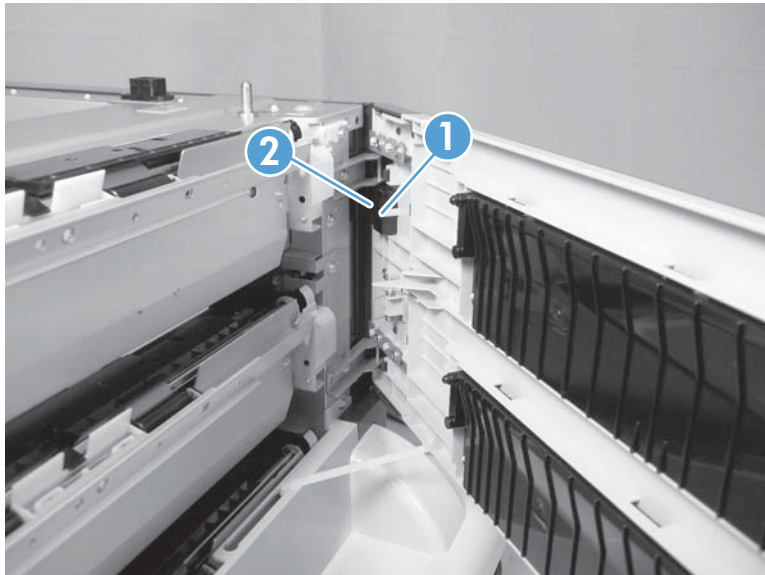
1. Open the right door, and then release one upper-link arm (callout 1).

Figure 1-176 Remove the paper deck right-door assembly (1 of 3)



2. Release one tab (callout 1), and then remove the stopper (callout 2).

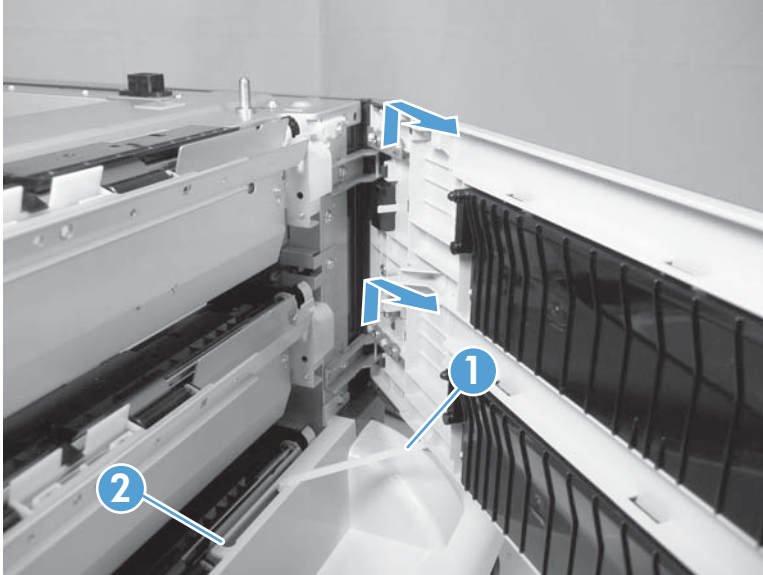
Figure 1-177 Remove the paper deck right-door assembly (2 of 3)



3. Lift up on the door to release it, slide the lower-link arm (callout 1) along the slot in the chassis to the release point (callout 2), and then remove the paper deck right door.

CAUTION: The door remains attached to the feeder until the link arm is released. Do not damage the link arm when the door is removed.

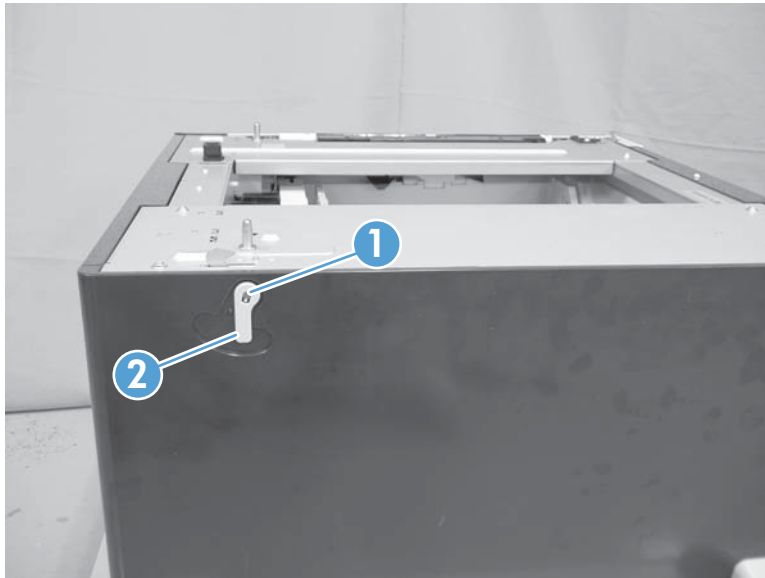
Figure 1-178 Remove the paper deck right-door assembly (3 of 3)



Paper deck left cover

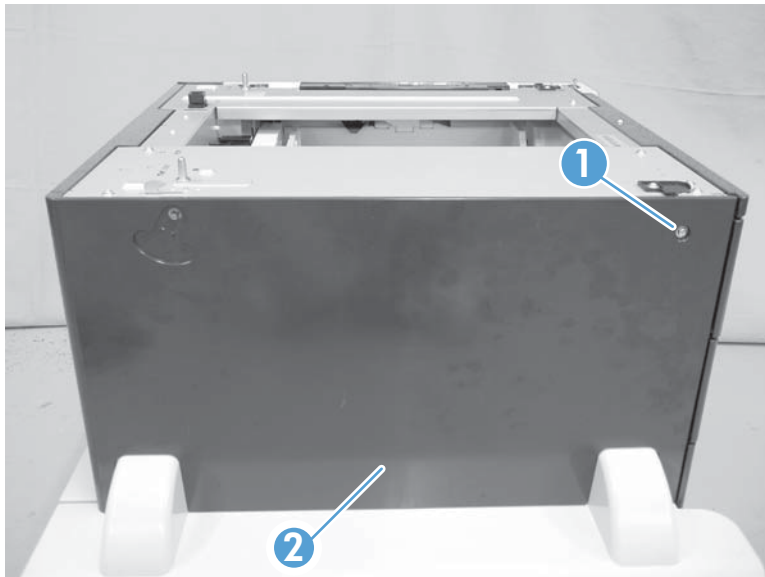
1. Release one tab (callout 1), and then remove the locking lever (callout 2).

Figure 1-179 Remove the paper deck left cover (1 of 2)



2. Remove one screw (callout 1), and then remove the left cover (callout 2).

Figure 1-180 Remove the paper deck left cover (2 of 2)

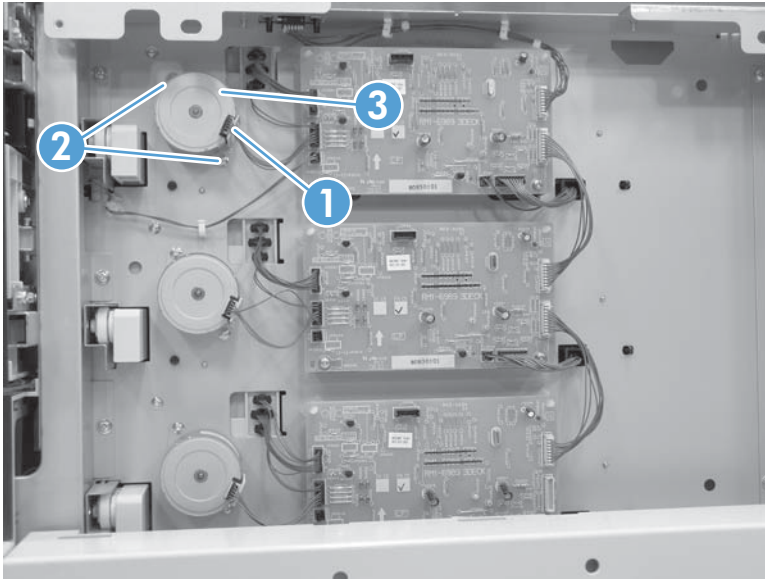


Paper deck pickup motor

This procedure describes removing the paper deck cassette 1 pickup motor. Use this procedure for any of the paper deck pickup motors.

1. Remove the paper deck rear cover. See [Paper deck rear cover on page 122](#).
2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the cassette pickup motor (callout 3).

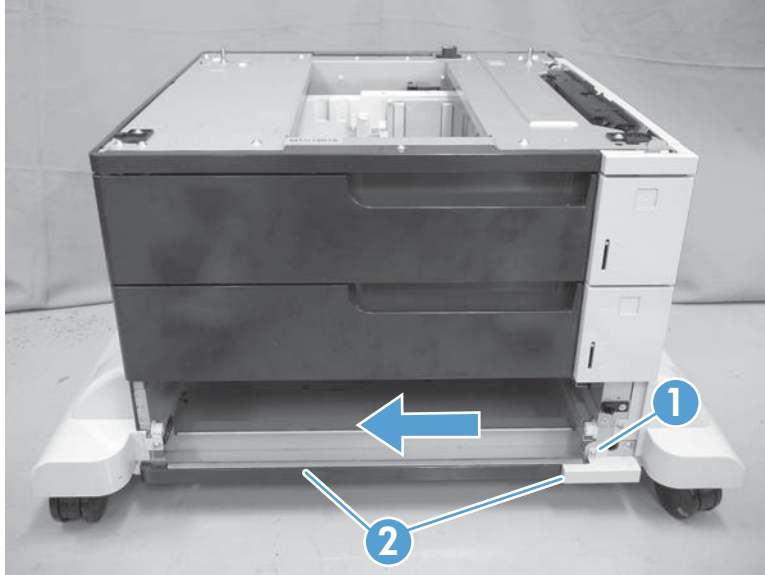
Figure 1-181 Remove the paper deck pickup motor



Paper deck front-lower cover

1. Remove the lowest cassette.
2. Remove one screw (callout 1), and then slide the 3 x 500 front-lower cover (callout 2) toward the left side of the feeder to remove it.

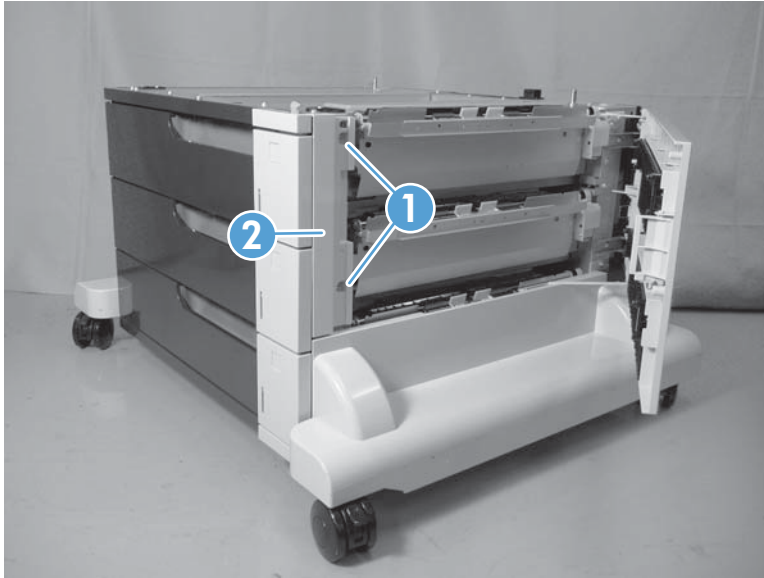
Figure 1-182 Remove the paper deck front-lower cover



Paper deck right-corner cover

Open the right door, remove two screws (callout 1), and then remove the paper deck right-corner cover (callout 2).

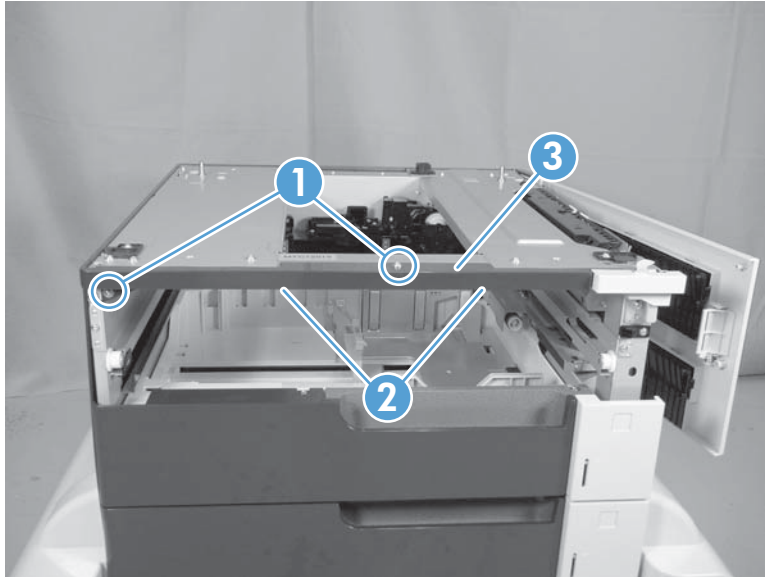
Figure 1-183 Remove the paper deck right-corner cover



Paper deck front-upper cover

1. Remove the right-corner cover (see [Paper deck right-corner cover on page 118](#)).
2. Remove the upper cassette.
3. Remove two screws (callout 1), release two tabs (callout 2), and then remove the front-upper cover (callout 3).

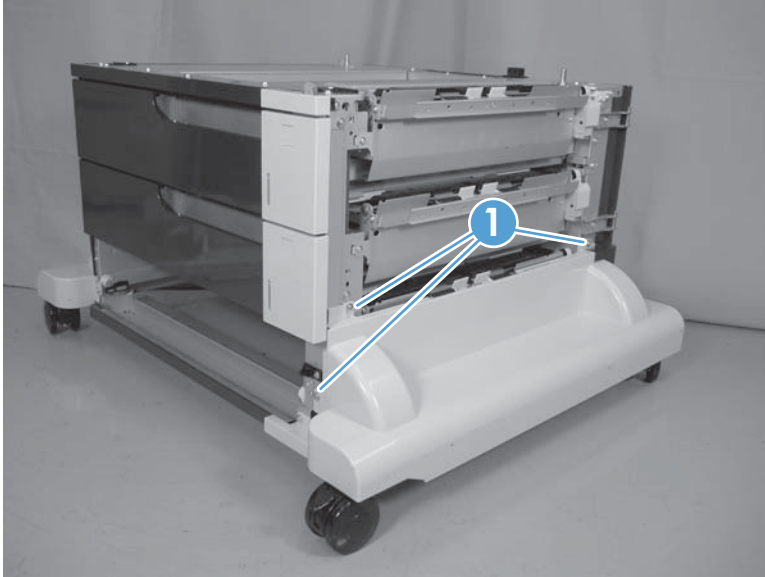
Figure 1-184 Remove the paper deck front-upper cover



Paper deck right-lower cover 1

1. Remove the lowest cassette, and then remove the paper deck right door assembly (see [Paper deck right-door assembly on page 113](#)).
2. Remove three screws (callout 1), loosen the top portion of the cover, and then remove the paper deck right-lower cover 1.

Figure 1-185 Remove the paper deck right-lower cover 1

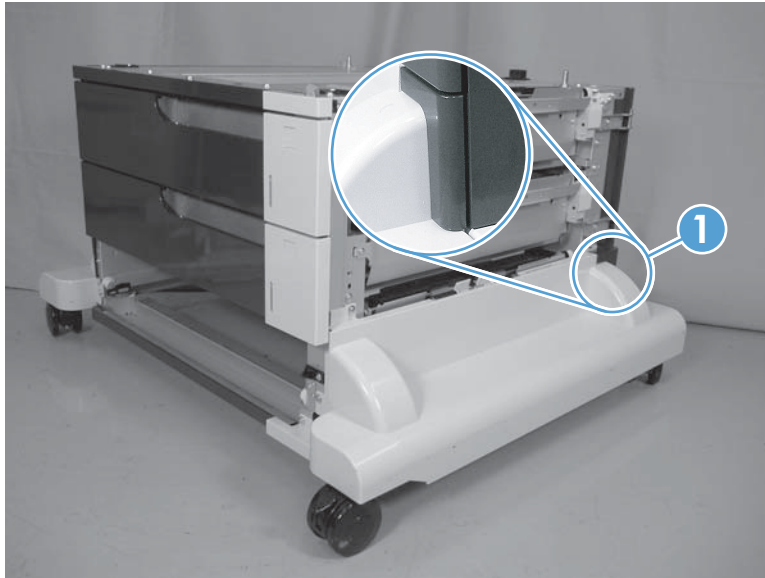


Paper deck right-lower cover 2

1. Remove the paper deck rear cover (see [Paper deck rear cover on page 122](#)).
2. Release one tab (not shown), and then slide the paper deck right-lower cover 2 (callout 1) toward the back of the feeder to remove it.

NOTE: The figure in this step does not show the rear cover removed. Remove the rear cover to access the tab.

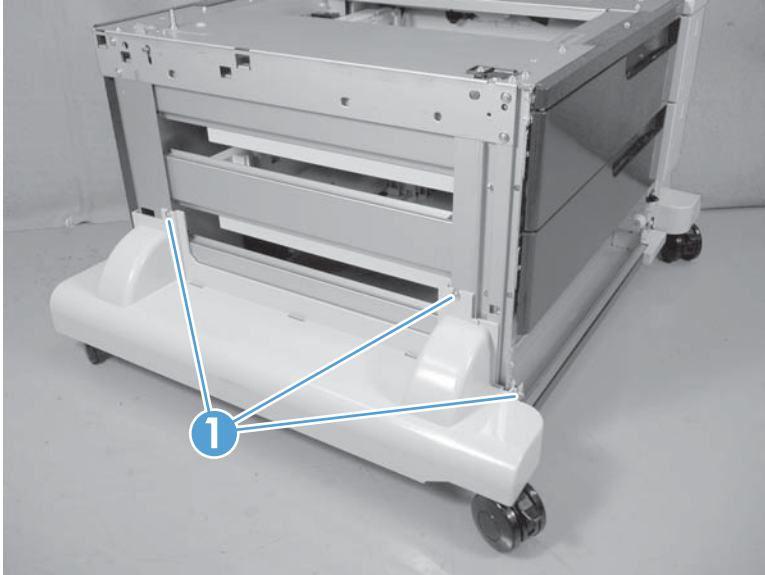
Figure 1-186 Remove the paper deck right-lower cover 2



Paper deck left-lower cover

1. Remove the lowest cassette, and then remove the paper deck right door assembly (see [Paper deck right-door assembly on page 113](#)).
2. Remove three screws (callout 1), and then remove the paper deck left-lower cover.

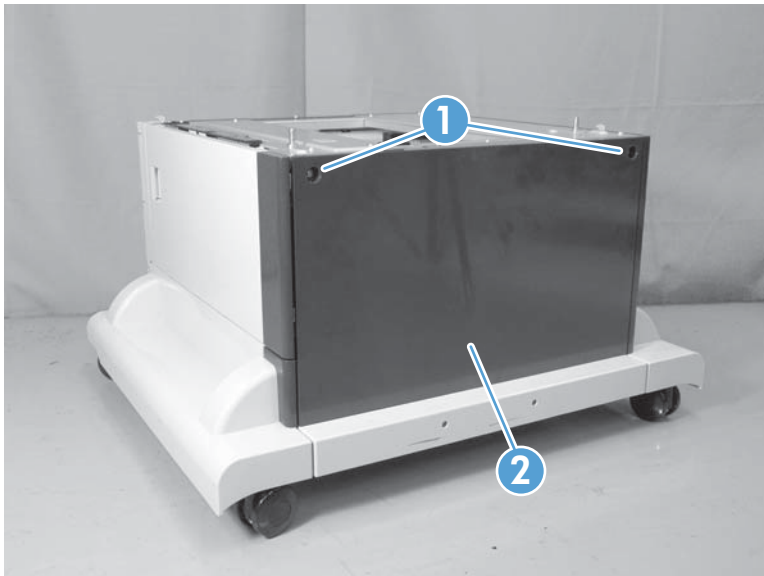
Figure 1-187 Remove the paper deck left-lower cover



Paper deck rear cover

Remove two screws (callout 1), and then remove the paper deck rear cover (callout 2).

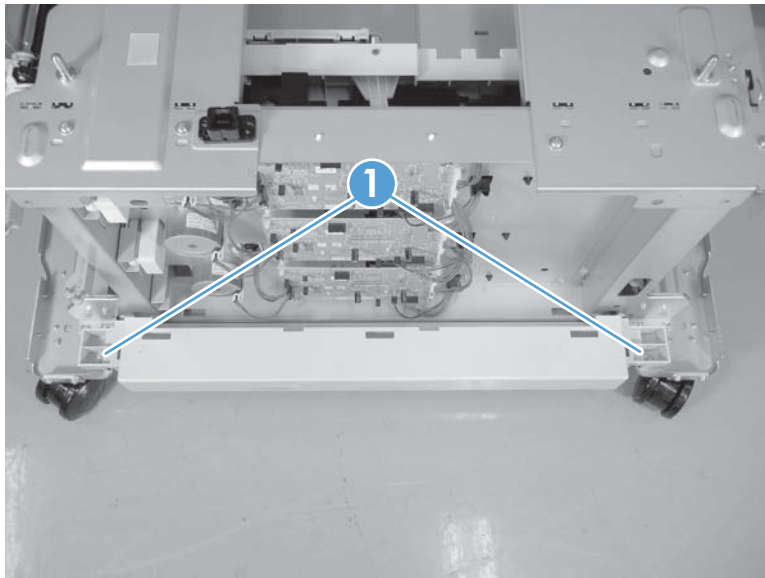
Figure 1-188 Remove the paper deck rear cover



Paper deck rear-lower cover

1. Remove the following components or assemblies:
 - Lowest cassette.
 - Paper deck rear cover. See [Paper deck rear cover on page 122](#).
 - Paper deck right door assembly. See [Paper deck right-door assembly on page 113](#).
 - Paper deck right-lower cover. See [Paper deck right-lower cover 1 on page 120](#).
 - Paper deck left cover. See [Paper deck left cover on page 115](#).
 - Paper deck left-lower cover. See [Paper deck left-lower cover on page 122](#).
2. Remove two screws (callout 1), and then remove the paper deck rear-lower cover.

Figure 1-189 Remove the paper deck rear-lower cover

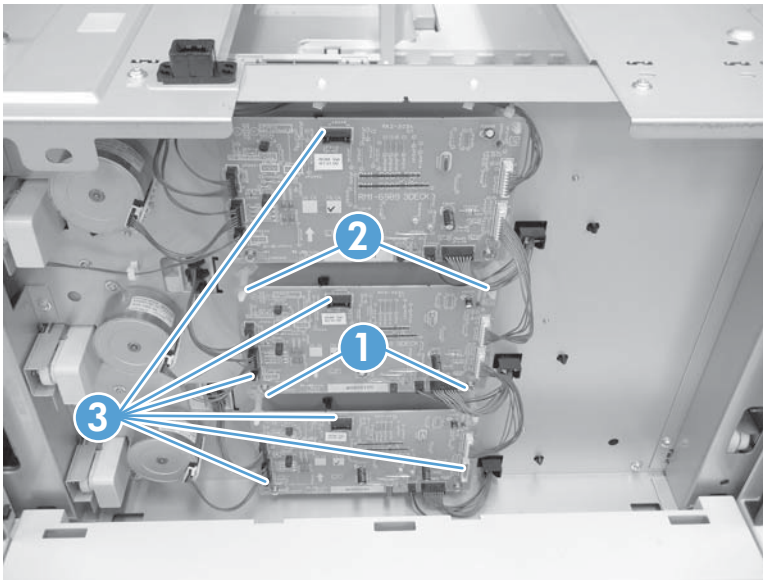


Paper deck paper deck controller PCAs

1. Remove the paper deck rear cover (see [Paper deck rear cover on page 122](#)).
2. Disconnect all of the connectors for the desired PCA.
 - The top PCA has seven connectors.
 - The middle PCA has six connectors.
 - The bottom PCA has five connectors.
3. Remove two screws (callout 1), release two tabs (callout 2), and then remove the PCA. Repeat this procedure for the remaining PCAs.

NOTE: Some connectors (callout 3) on the PCAs are not used.

Figure 1-190 Remove the paper deck controller PCA

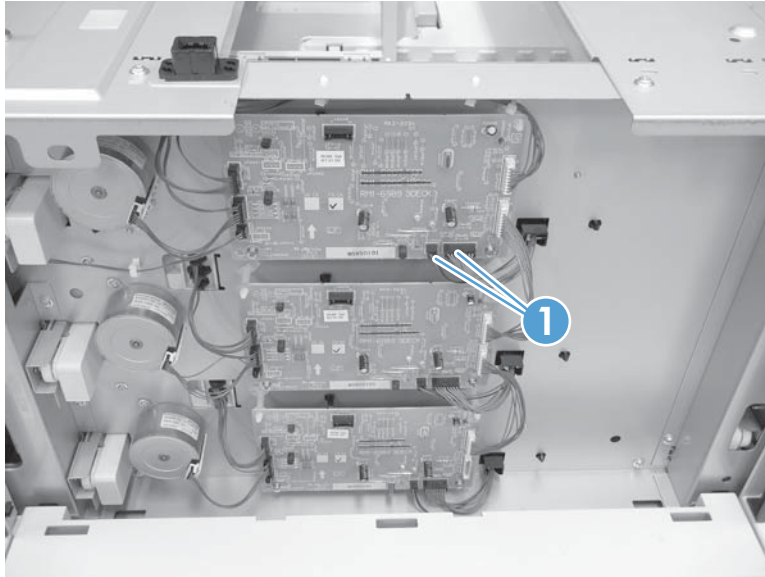


Paper deck lifter-drive assembly

This procedure describes removing the paper deck cassette 1 lifter-drive assembly. Use this procedure for any of the paper deck lifter assemblies.

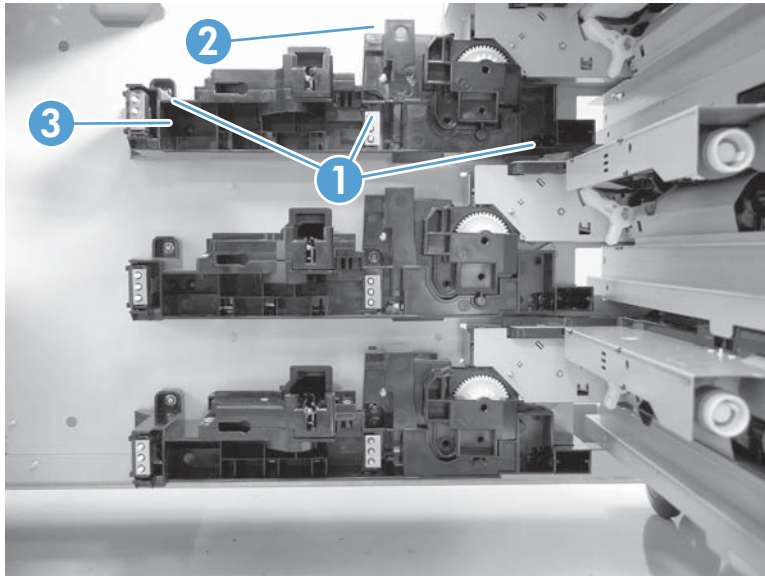
1. Remove the paper deck rear cover. See [Paper deck rear cover on page 122](#).
2. Disconnect two connectors (callout 1).

Figure 1-191 Remove the paper deck lifter-drive assembly (1 of 2)



3. Remove all of the cassettes, remove three screws (callout 1), release one tab (callout 2), and then remove the cassette lifter assembly (callout 3).

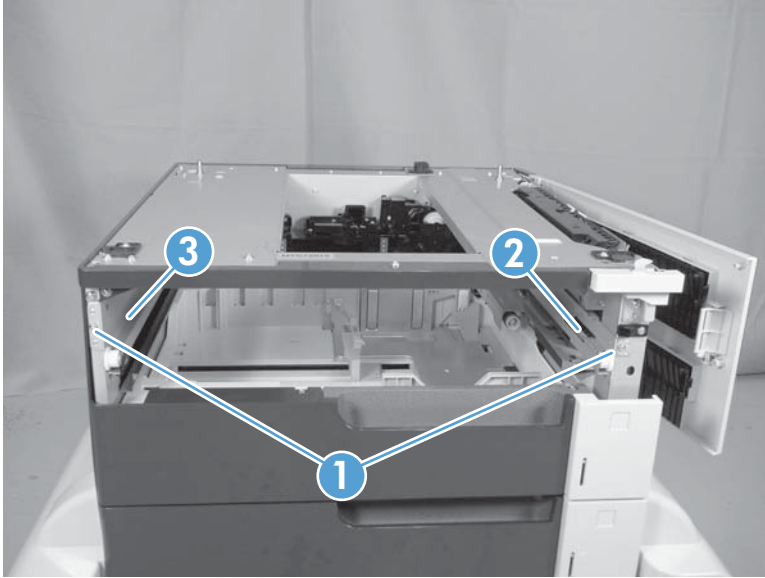
Figure 1-192 Remove the paper deck lifter-drive assembly (2 of 2)



Paper deck right and left cassette rails

1. Remove a cassette.
2. Remove two screws (callout 1), and then remove the paper deck right (callout 2) and left (callout 3) cassette rails. Repeat this procedure for the remaining cassette rails.

Figure 1-193 Remove the paper deck right and left cassette rails



Paper deck paper deck pickup assembly

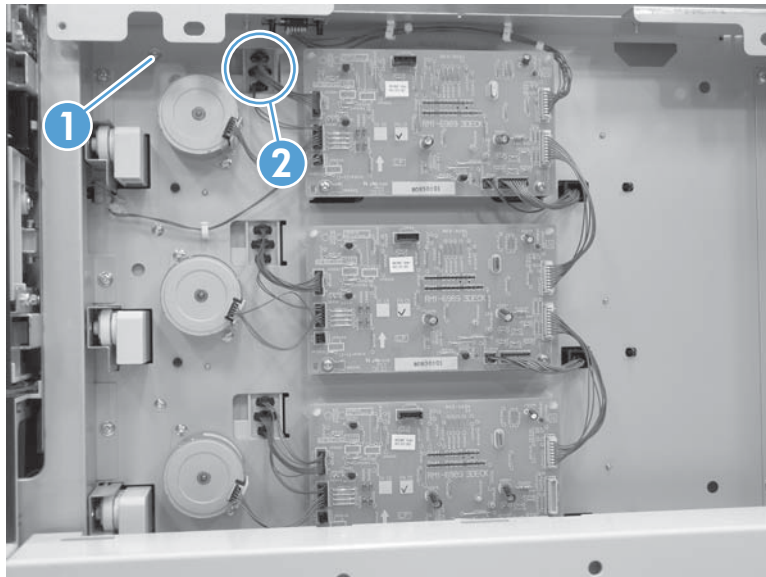
This procedure describes removing the paper deck cassette 1 assembly. Use this procedure for any of the paper deck pickup assemblies.

1. Remove the following components or assemblies:
 - Paper deck rear cover. See [Paper deck rear cover on page 122](#).
 - Paper deck right-corner cover. See [Paper deck right-corner cover on page 118](#)
 - Paper deck right door assembly. See [Paper deck right-door assembly on page 113](#).
 - Paper deck right-lower cover. See [Paper deck right-lower cover 1 on page 120](#).

NOTE: Remove this cover only if you are removing the paper-feeder cassette 3 pickup assembly.

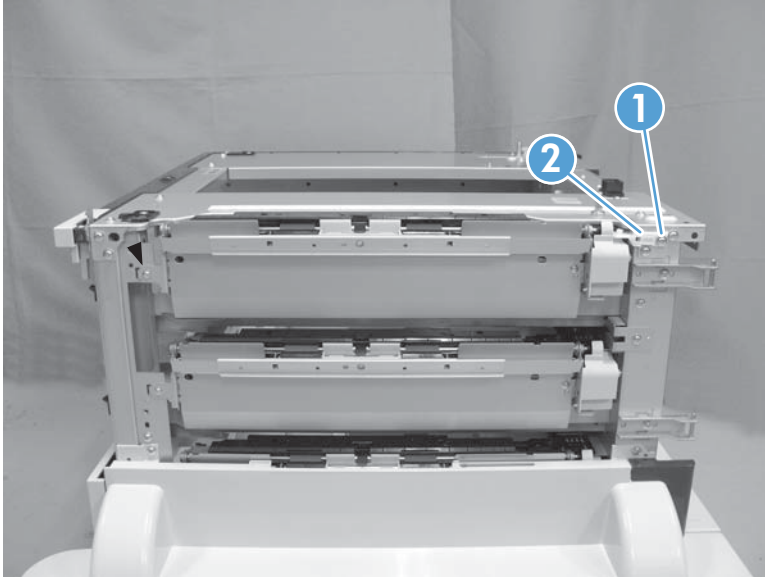
2. Remove one screw (callout 1), and then disconnect three connectors (callout 2).

Figure 1-194 Remove the paper deck pickup assembly (1 of 3)



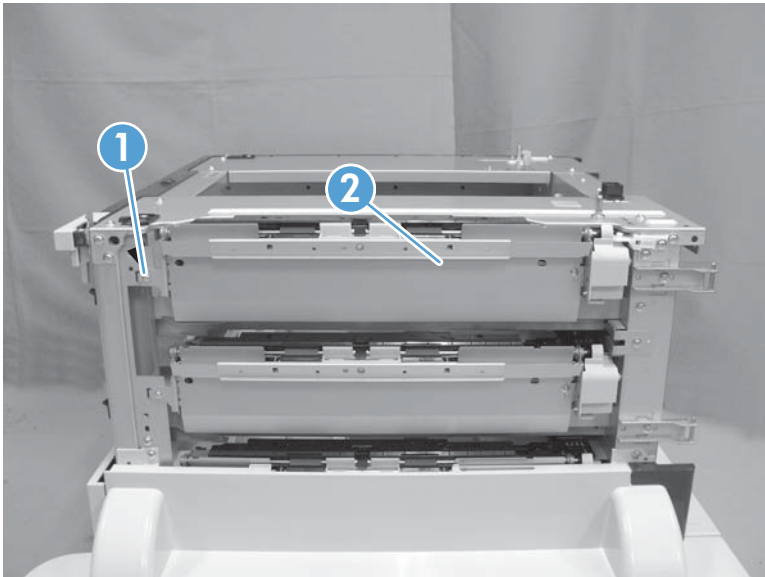
3. Remove the cassette, remove one screw (callout 1), and then remove the right-door link stopper (callout 2).

Figure 1-195 Remove the paper deck pickup assembly (2 of 3)



4. Remove one screw (callout 1), and then remove the paper deck pickup assembly (callout 2).

Figure 1-196 Remove the paper deck pickup assembly (3 of 3)



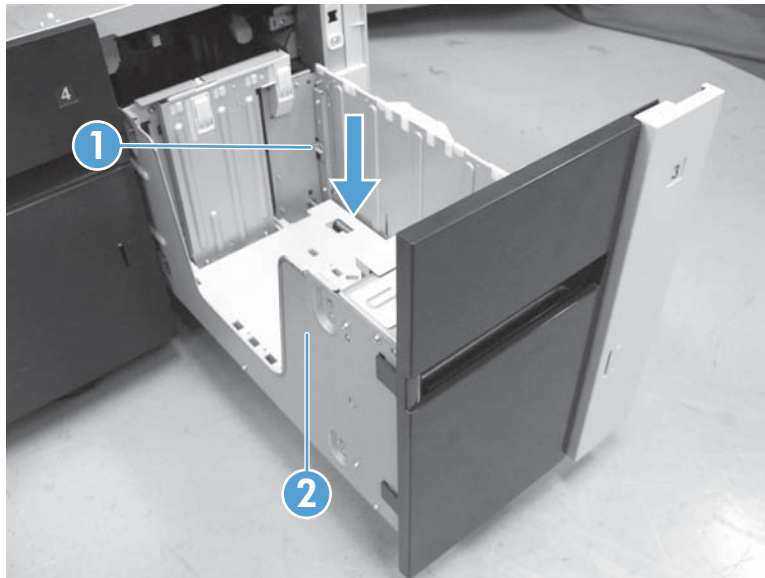
Input devices

High capacity input (HCI) feeder

HCI right tray

1. Open the right tray.
2. Lower the tray release lever (callout 1), and then remove the right tray (callout 2).

Figure 1-197 Remove the HCI right tray

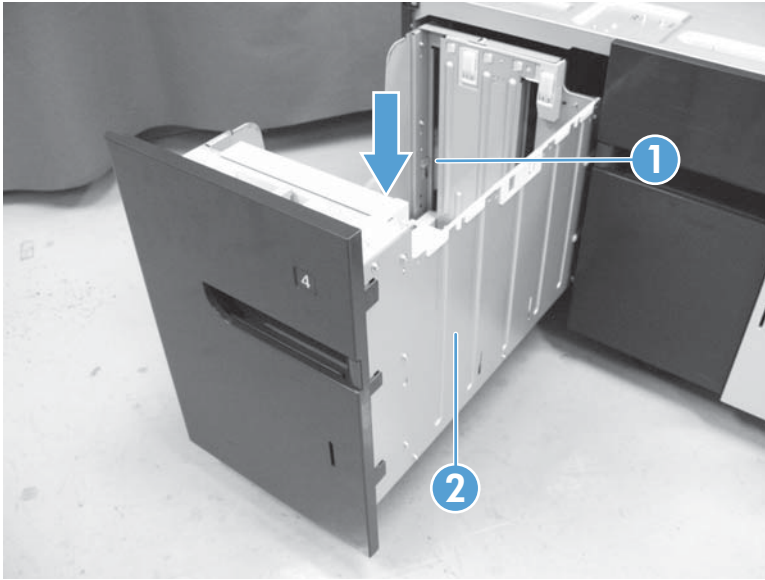


HCI left tray

1. Open the left tray.

2. Lower the tray release lever (callout 1), and then remove the left tray (callout 2).

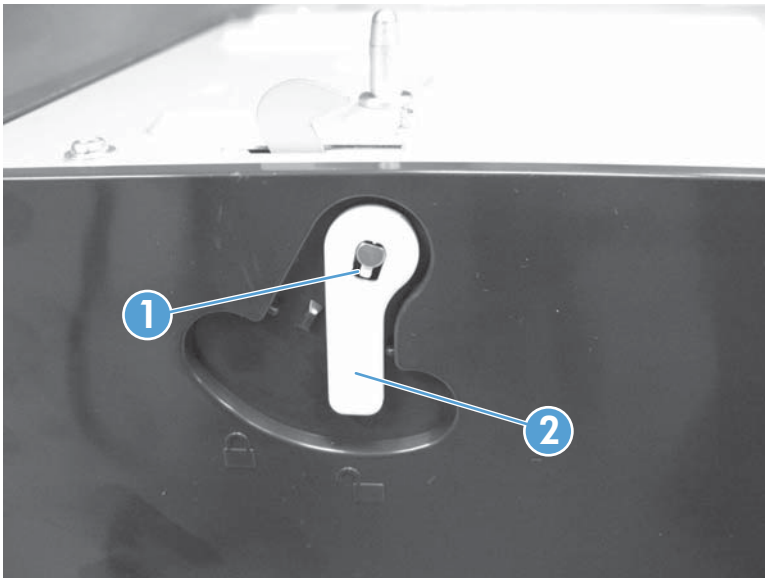
Figure 1-198 Remove the HCl left tray



HCl left cover

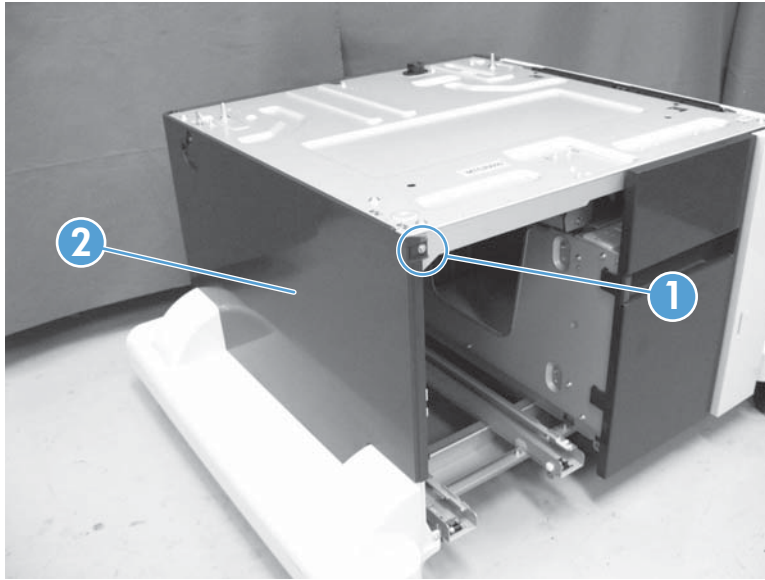
1. Remove the left tray. See [HCl left tray on page 129](#).
2. Release one tab (callout 1), and then move the lock lever (callout 2) into the unlocked position.

Figure 1-199 Remove the HCl left cover (1 of 2)



3. Remove one screw (callout 1), and then remove the left cover (callout 2) from the HCI.

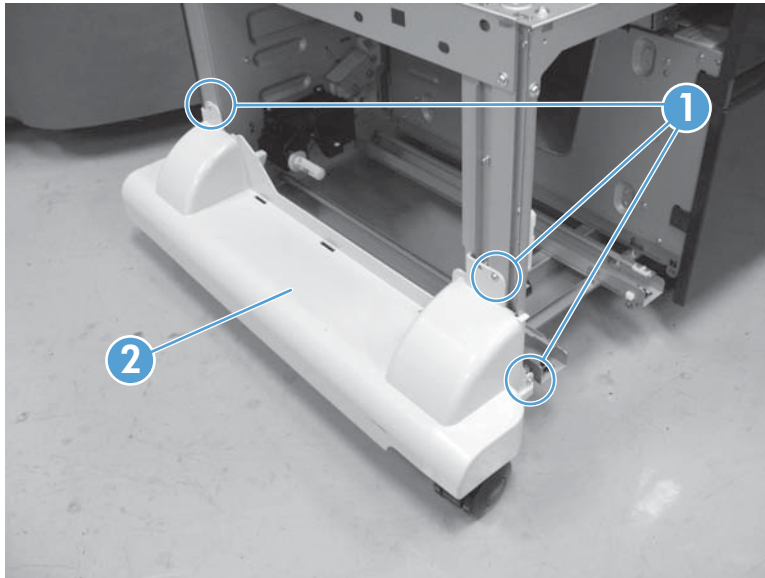
Figure 1-200 Remove the HCI left cover (2 of 2)



HCI left lower cover

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
2. Remove three screws (callout 1), and then remove the left lower cover (callout 2).

Figure 1-201 Remove the HCI left lower cover

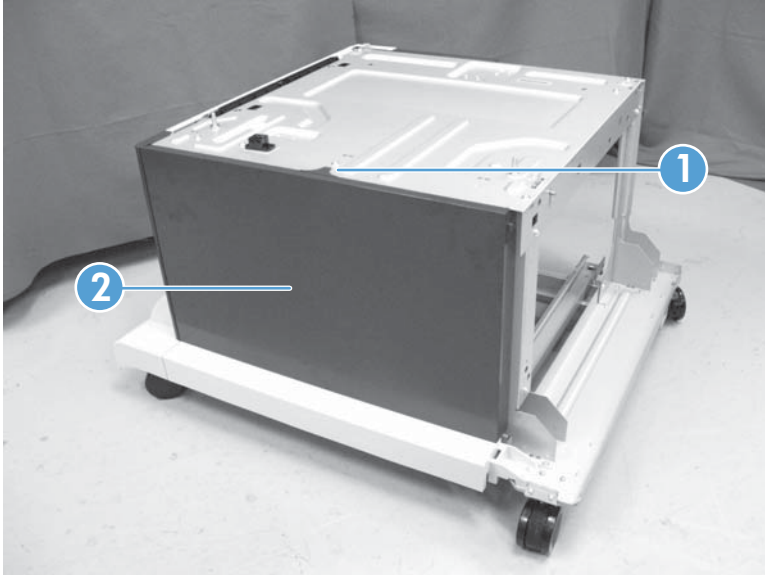


HCI rear cover

1. Remove the following components or assemblies:

- HCl left tray. See [HCl left tray on page 129](#).
 - HCl left cover. See [HCl left cover on page 130](#).
2. Release one tab (callout 1), and then remove the rear cover (callout 2).

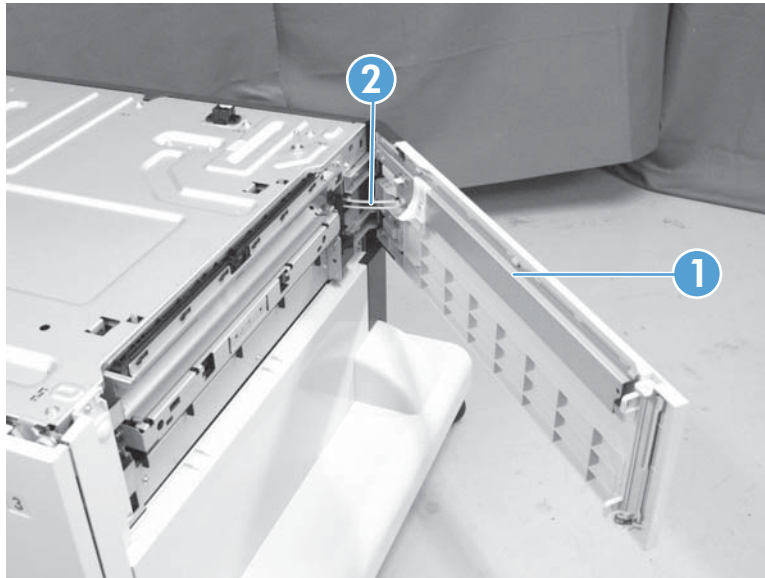
Figure 1-202 Remove the HCl rear cover



HCI right door

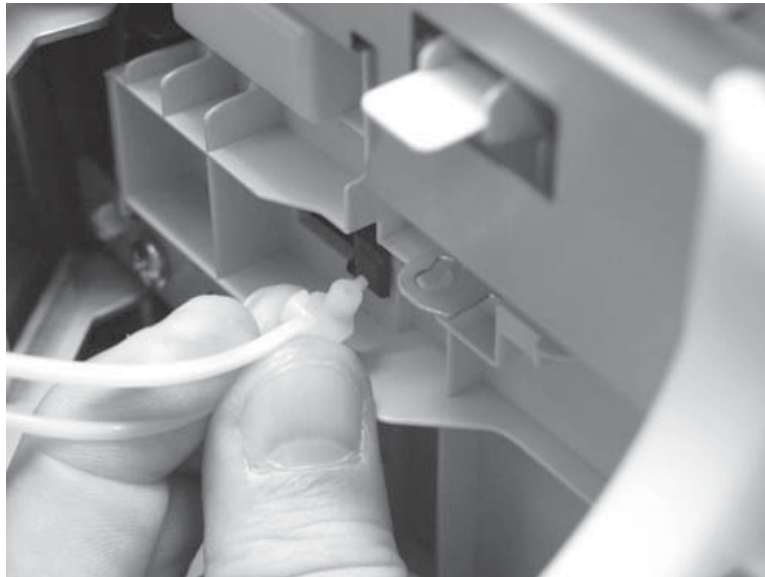
- ▲ Open the right door (callout 1), and then close the right door slightly and release the link (callout 2).

Figure 1-203 Remove the HCI right door



The figure below shows the door link in detail.

Figure 1-204 HCI right door link detail

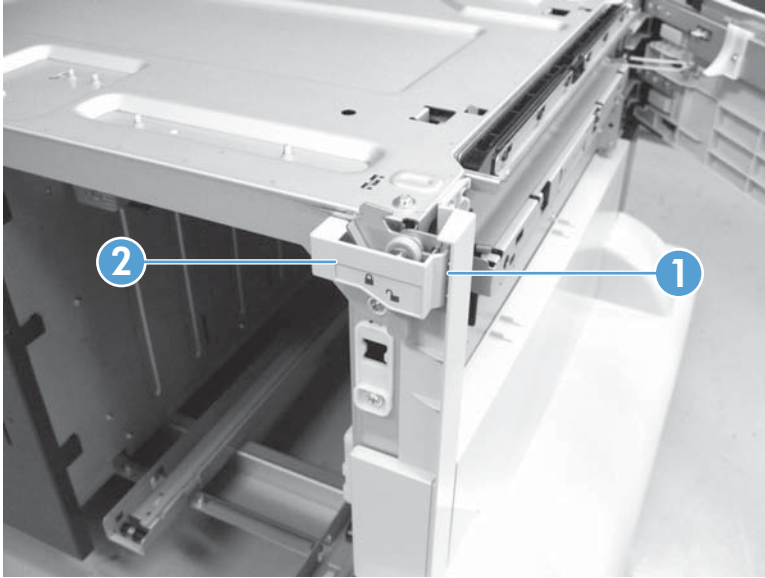


HCI right front cover

1. Remove the HCI right tray. See [HCI right tray on page 129](#).

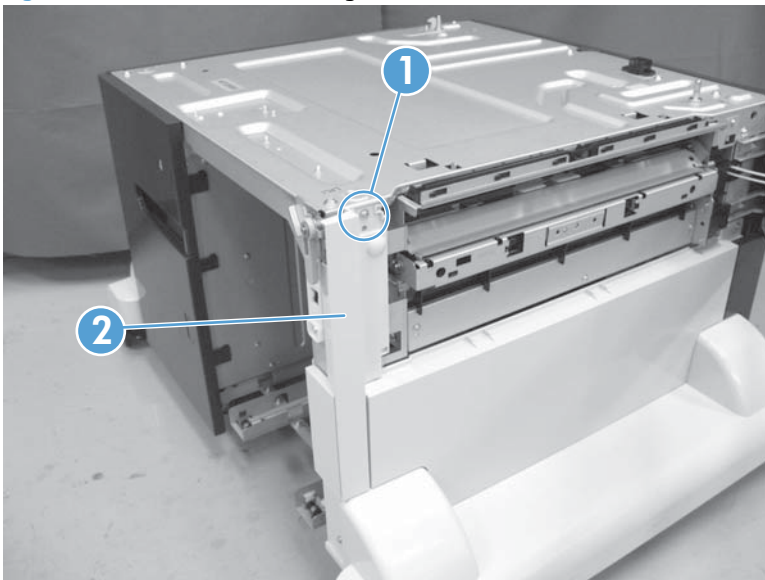
2. Open the HCI right door, release one tab (callout 1), and then remove the lock cover (callout 2).

Figure 1-205 Remove the HCI right front cover (1 of 2)



3. Remove one screw (callout 1), and then remove the right front cover (callout 2).

Figure 1-206 Remove the HCI right front cover (2 of 2)

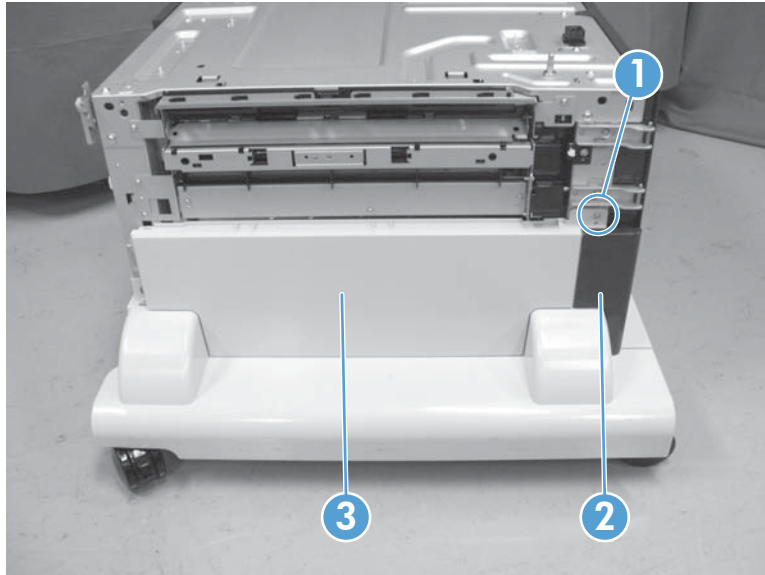


HCI right center cover and right rear cover

1. Remove the following components or assemblies:
 - HCI right tray. See [HCI right tray on page 129](#).
 - HCI right door. See [HCI right door on page 133](#).
 - HCI right front cover. See [HCI right front cover on page 133](#).

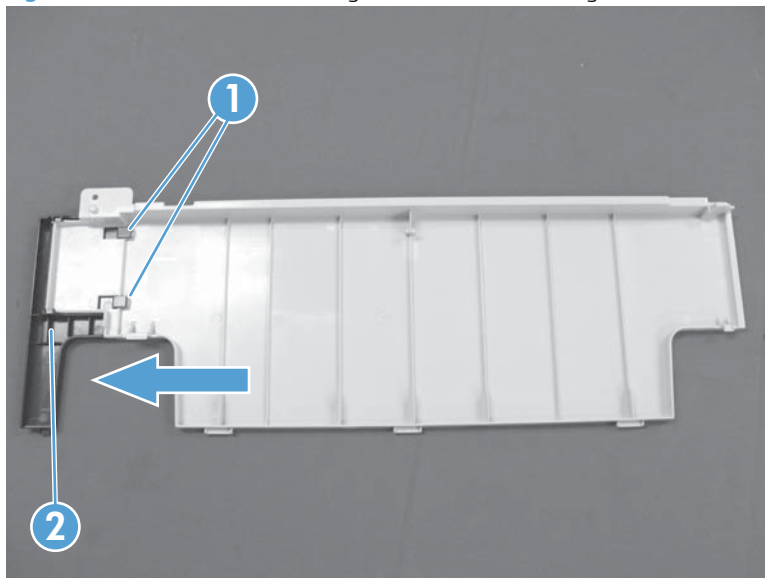
2. Remove one screw (callout 1), and then remove the right rear cover (callout 2) and the right center cover (callout 3) together.

Figure 1-207 Remove the HCI right center cover and right rear cover (1 of 2)



3. Release two tabs (callout 1), slide the right rear cover (callout 2) in the direction indicated and remove it from the right center cover.

Figure 1-208 Remove the HCI right center cover and right rear cover (2 of 2)

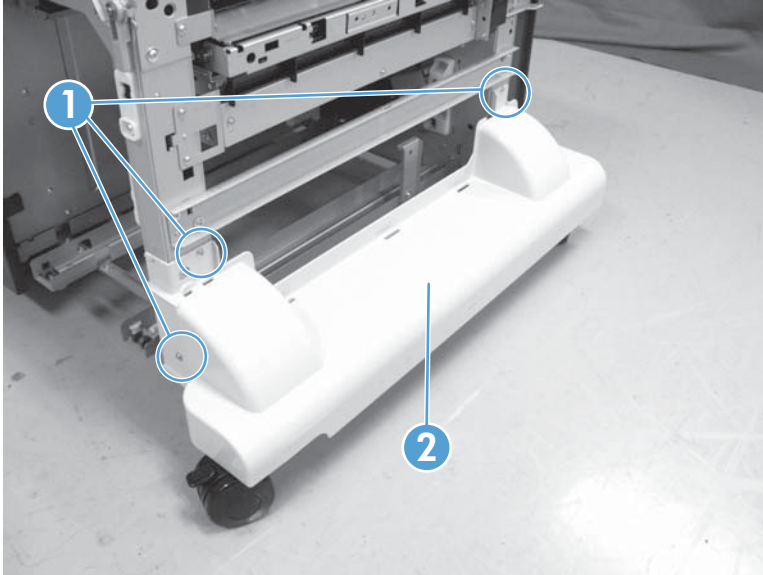


HCI right lower cover

1. Remove the following components or assemblies:
 - HCI right tray. See [HCI right tray on page 129](#).
 - HCI right door. See [HCI right door on page 133](#).

- HCl right front cover. See [HCl right front cover on page 133](#).
 - HCl right center cover. See [HCl right center cover and right rear cover on page 134](#).
2. Remove three screws (callout 1), and then remove the right lower cover (callout 2).

Figure 1-209 Remove the HCl right lower cover

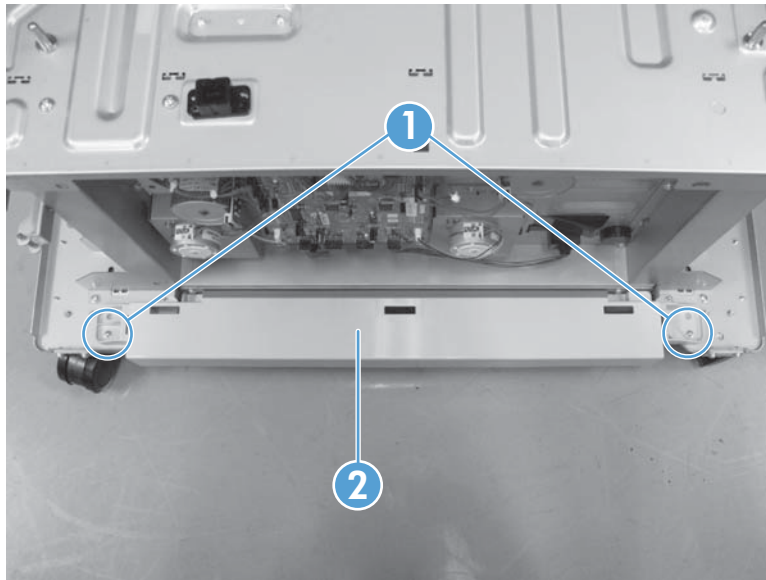


HCl rear lower cover

1. Remove the following components or assemblies:
 - HCl right tray. See [HCl right tray on page 129](#).
 - HCl left tray. See [HCl left tray on page 129](#).
 - HCl left cover. See [HCl left cover on page 130](#).
 - HCl left lower cover. See [HCl left lower cover on page 131](#).
 - HCl rear cover. See [HCl rear cover on page 131](#).
 - HCl right door. See [HCl right door on page 133](#).
 - HCl right front cover. See [HCl right front cover on page 133](#).
 - HCl right center cover. See [HCl right center cover and right rear cover on page 134](#).
 - HCl right lower cover. See [HCl right lower cover on page 135](#).

2. Remove two screws (callout 1), and then remove the rear lower cover (callout 2).

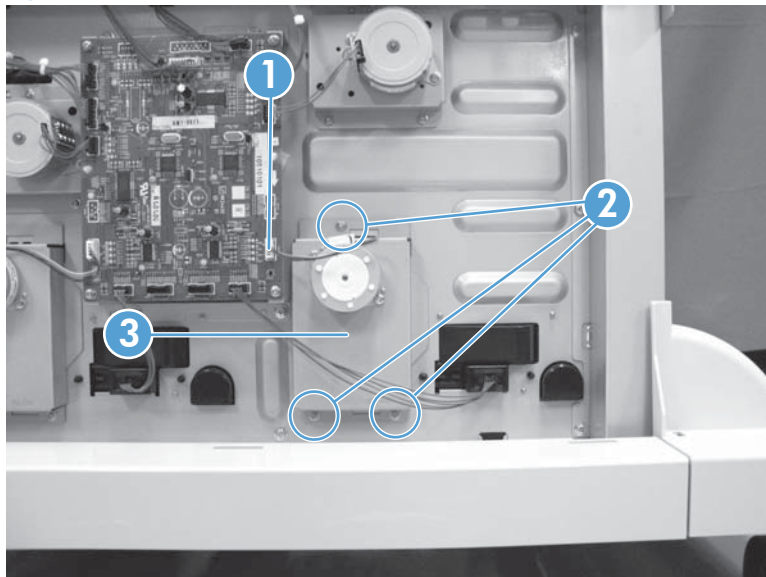
Figure 1-210 Remove the HCI rear lower cover



HCI left tray lifter drive

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
2. Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the left tray lifter drive (callout 3).

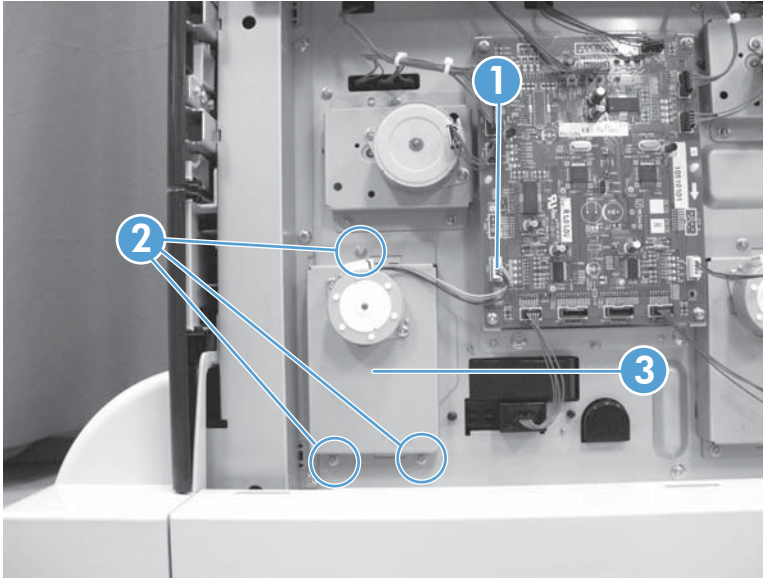
Figure 1-211 Remove the HCI left tray lifter drive



HCI right tray lifter drive

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
2. Disconnect one connector, remove three screws (callout 2), and then remove the right tray lifter drive (callout 3).

Figure 1-212 Remove the HCI right tray lifter drive

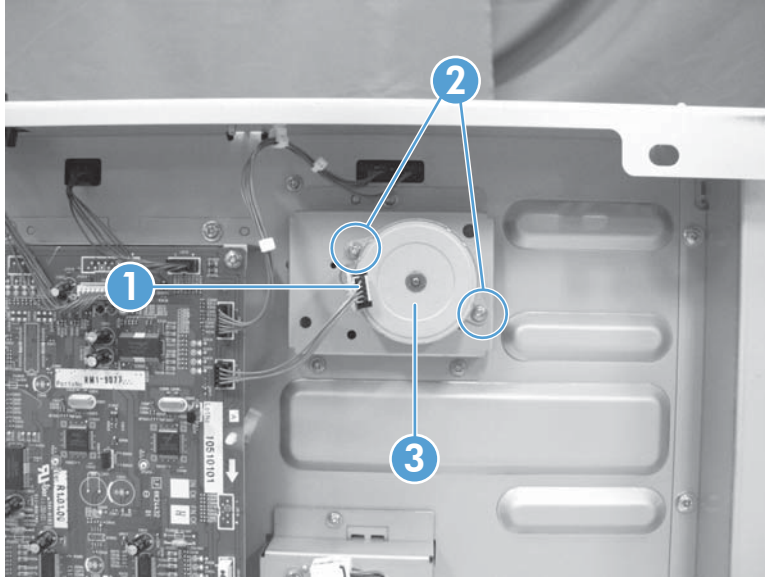


HCI left tray pickup drive

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).

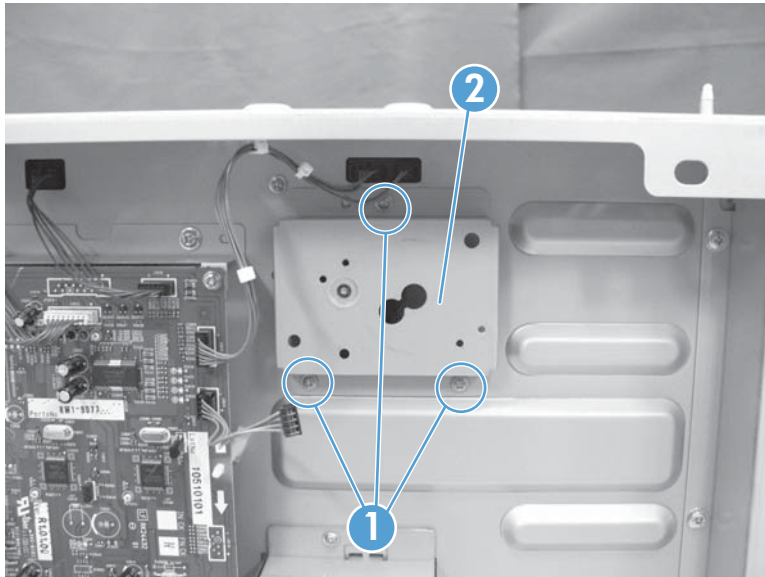
2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the HCI left tray pickup motor (callout 3).

Figure 1-213 Remove the HCI left tray pickup drive (1 of 2)



3. Remove three screws (callout 1), and then remove the left tray pickup drive (callout 2).

Figure 1-214 Remove the HCI left tray pickup drive (2 of 2)

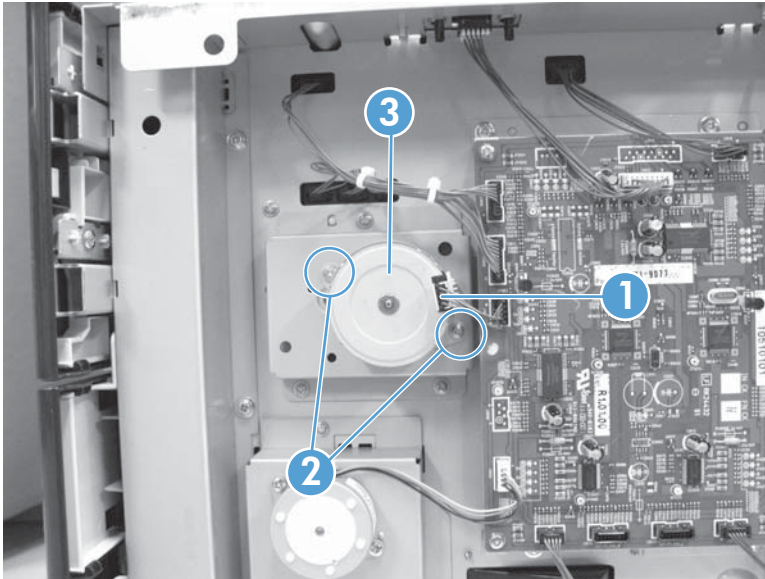


HCI right tray pickup drive

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).

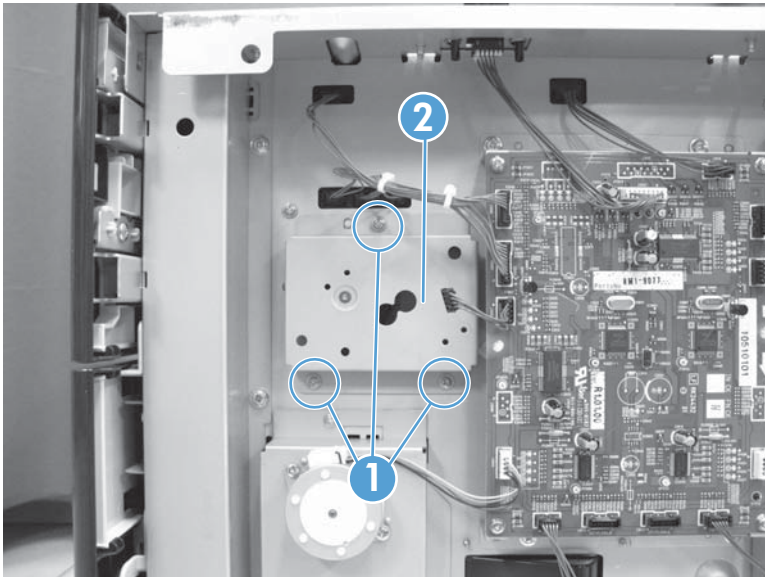
2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the HCI right tray pickup motor (callout 3).

Figure 1-215 Remove the HCI right tray pickup drive (1 of 2)



3. Remove three screws (callout 1), and then remove the right tray pickup drive (callout 2).

Figure 1-216 Remove the HCI right tray pickup drive (2 of 2)

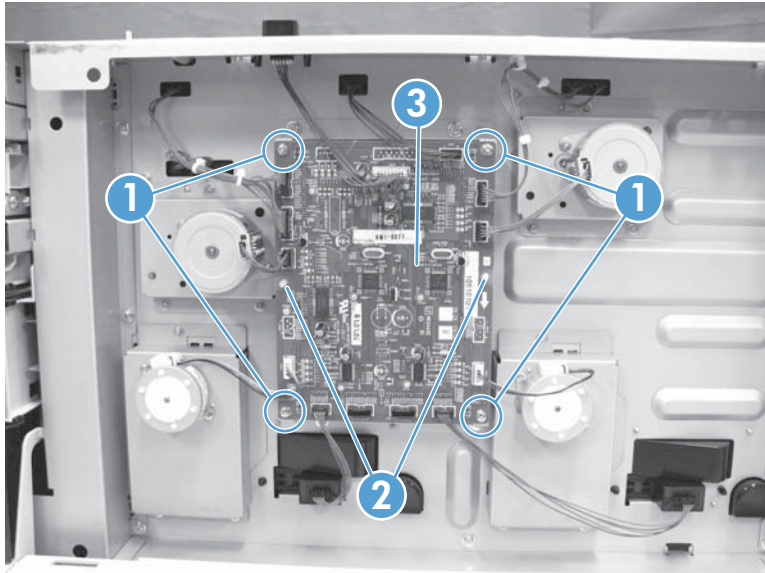


HCI controller PCA

1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).

2. Disconnect all of the connectors on the HCI controller PCA, remove four screws (callout 1), release two tabs (callout 2), and then remove the HCI controller PCA (callout 3).

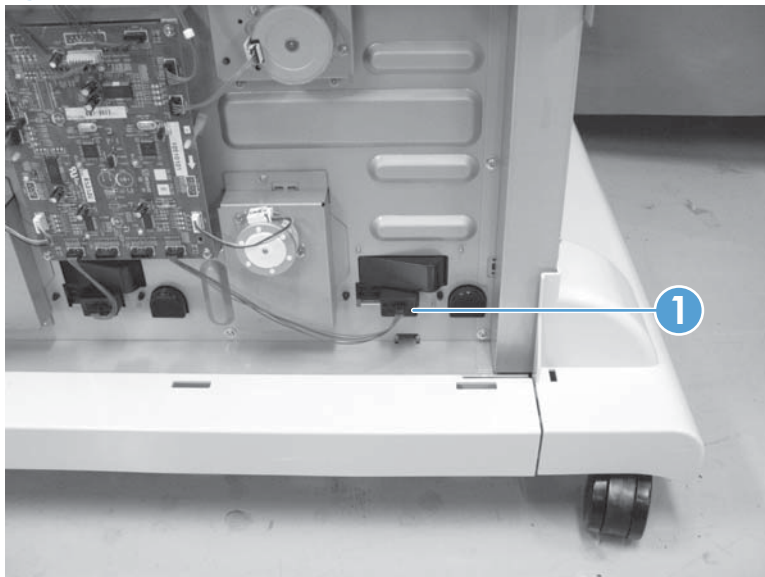
Figure 1-217 Remove the HCI controller PCA



HCI left tray automatic close assembly

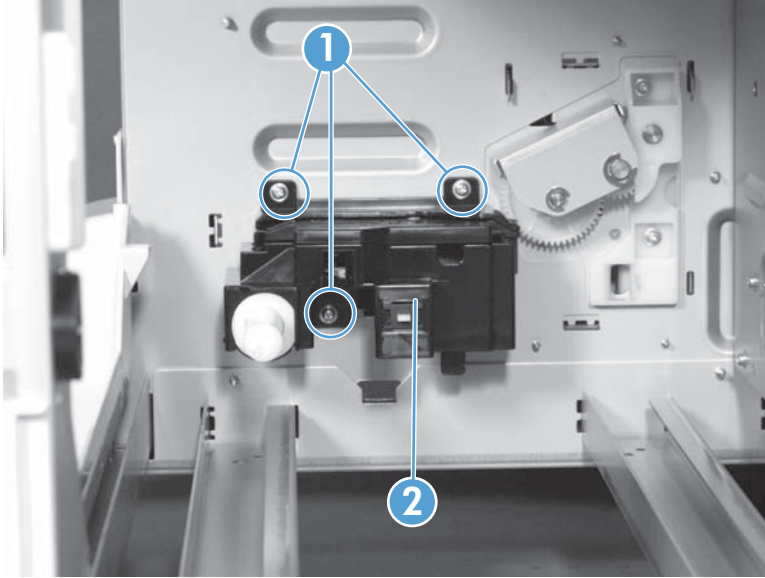
1. Remove the following components or assemblies:
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
2. Disconnect one connector (callout 1).

Figure 1-218 Remove the HCI left tray automatic close assembly (1 of 2)



3. Remove three screws (callout 1), and then remove the left tray automatic close assembly (callout 2).

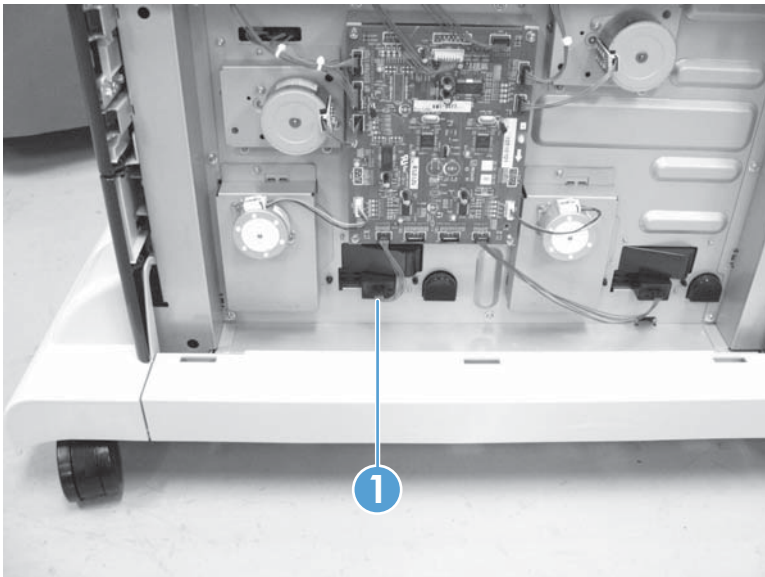
Figure 1-219 Remove the HCI left tray automatic close assembly (2 of 2)



HCI right tray automatic close assembly

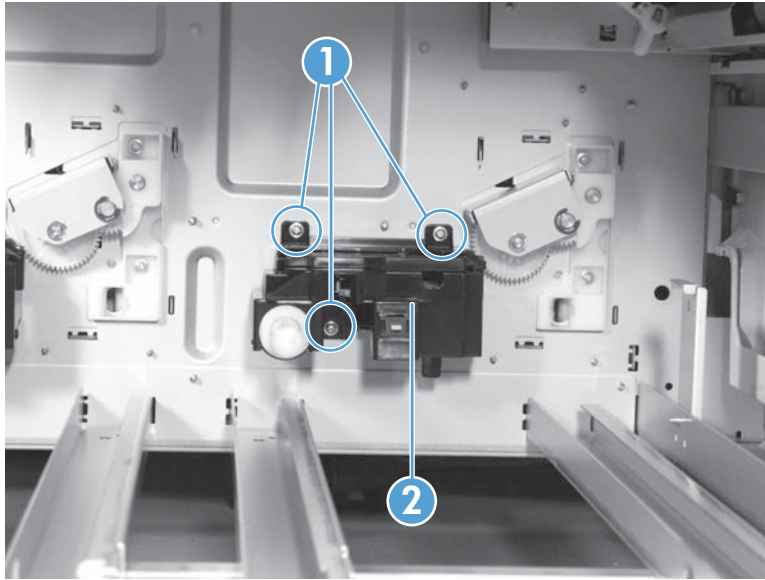
1. Remove the following components or assemblies:
 - HCI right tray. See [HCI right tray on page 129](#).
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
2. Disconnect one connector (callout 1).

Figure 1-220 Remove the HCI right tray automatic close assembly (1 of 2)



3. Remove three screws (callout 1), and then remove the right tray automatic close assembly (callout 2).

Figure 1-221 Remove the HCI right tray automatic close assembly (2 of 2)

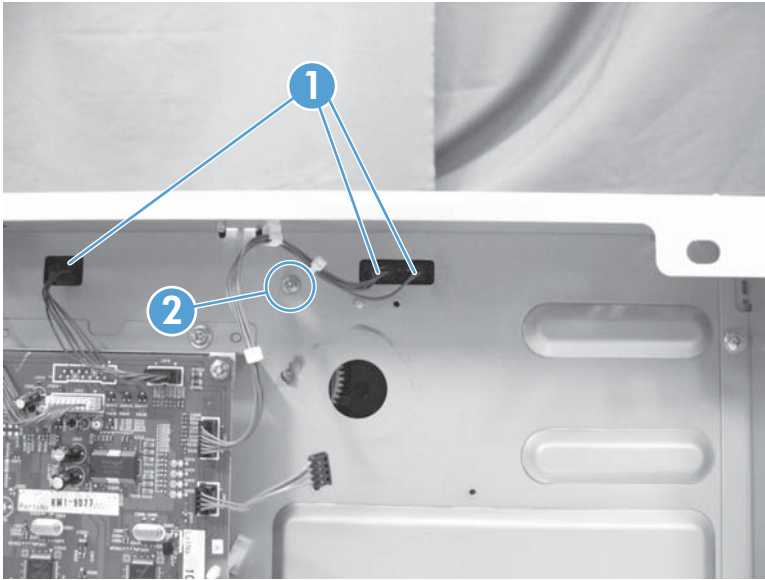


HCI left tray pickup assembly

1. Remove the following components or assemblies:
 - HCI right tray. See [HCI right tray on page 129](#).
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
 - HCI left tray pickup drive. See [HCI left tray pickup drive on page 138](#).

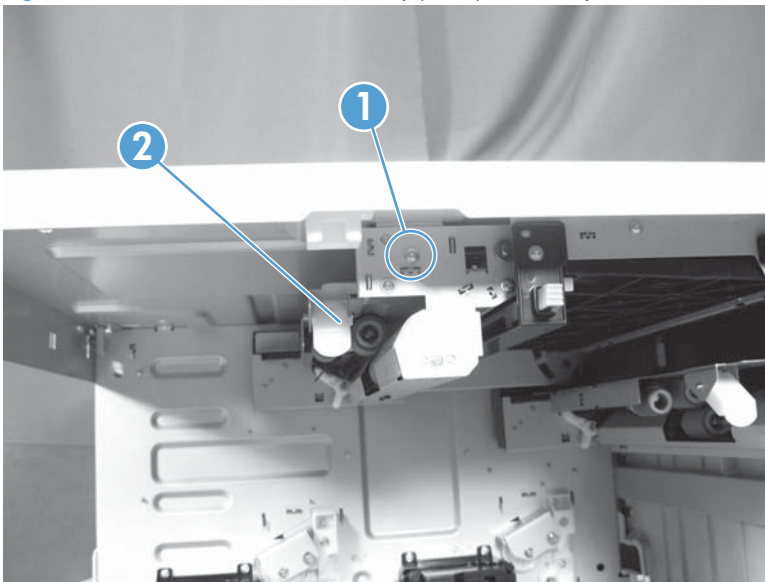
2. Disconnect three connectors (callout 1) and remove one screw (callout 2).

Figure 1-222 Remove the HCI left tray pickup assembly (1 of 2)



3. Remove one screw (callout 1), and then remove the left tray pickup assembly (callout 2).

Figure 1-223 Remove the HCI left tray pickup assembly (2 of 2)



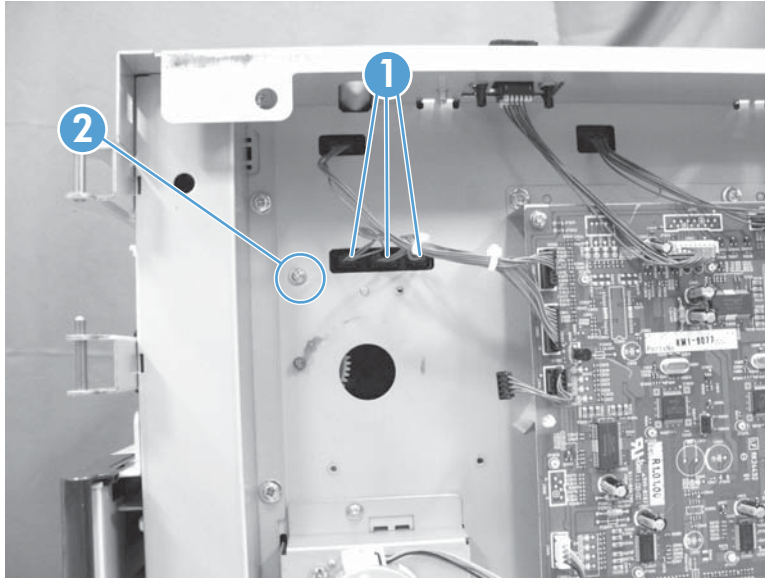
TIP: When removing the screw (callout 1), hold the left tray pickup assembly (callout 2) so that you do not drop the screw.

HCI right tray pickup assembly

1. Remove the following components or assemblies:
 - HCI right tray. See [HCI right tray on page 129](#).
 - HCI left tray. See [HCI left tray on page 129](#).
 - HCI left cover. See [HCI left cover on page 130](#).

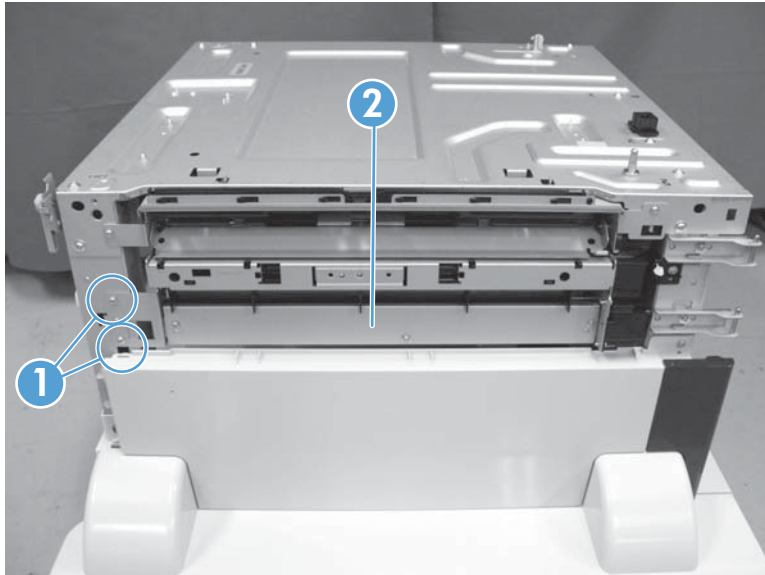
- HCI right door. See [HCI right door on page 133](#).
 - HCI right front cover. See [HCI right front cover on page 133](#).
 - HCI rear cover. See [HCI rear cover on page 131](#).
 - HCI right tray pickup drive. See [HCI right tray pickup drive on page 139](#).
2. Disconnect three connectors (callout 1), and remove one screw (callout 2).

Figure 1-224 Remove the HCI right tray pickup assembly (1 of 2)



3. Remove two screws (callout 1), and then remove the right tray pickup assembly (callout 2).

Figure 1-225 Remove the HCI right tray pickup assembly (2 of 2)

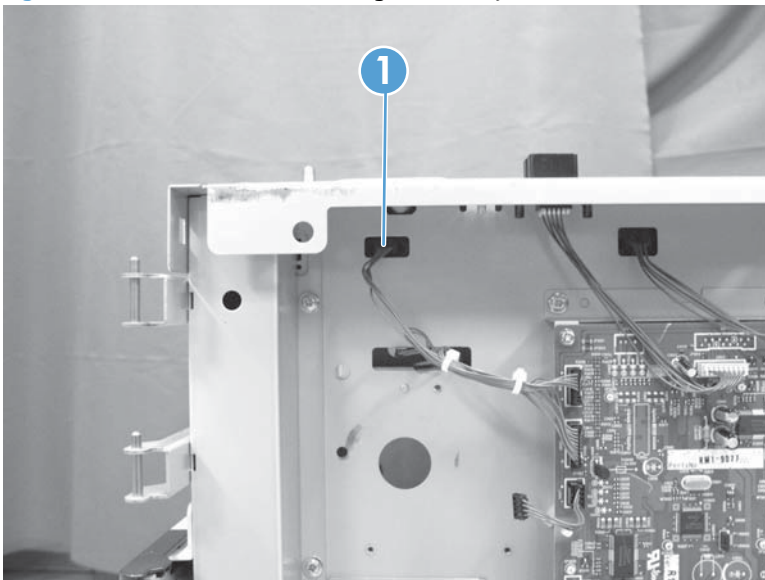


HCI merge assembly

1. Remove the following components or assemblies:

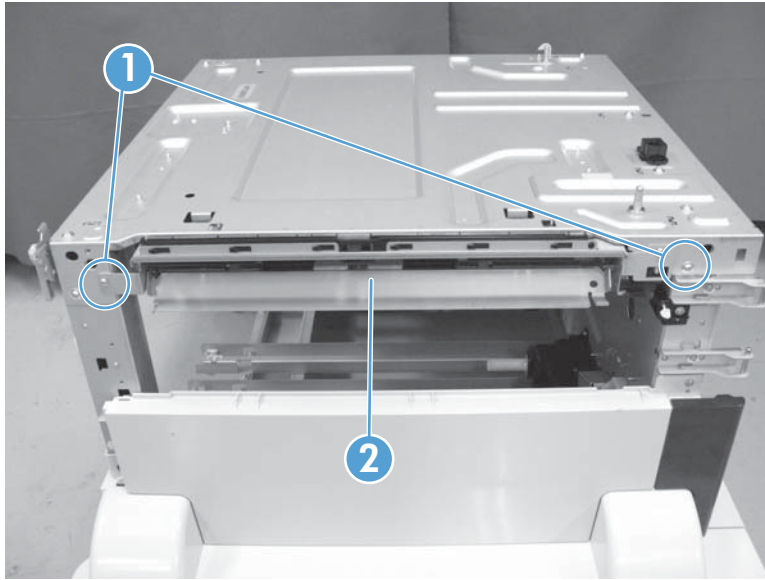
- HCl right tray. See [HCl right tray on page 129](#).
 - HCl left tray. See [HCl left tray on page 129](#).
 - HCl left cover. See [HCl left cover on page 130](#).
 - HCl rear cover. See [HCl rear cover on page 131](#).
 - HCl right door. See [HCl right door on page 133](#).
 - HCl right front cover. See [HCl right front cover on page 133](#).
 - HCl right tray pickup drive. See [HCl right tray pickup drive on page 139](#).
 - HCl right tray pickup assembly. See [HCl right tray pickup assembly on page 144](#).
2. Disconnect one connector (callout 1).

Figure 1-226 Remove the HCl merge assembly (1 of 2)



3. Remove two screws (callout 1), and then remove the merge assembly (callout 2).

Figure 1-227 Remove the HCI merge assembly (2 of 2)



2 Parts and diagrams

This section describes Web resources for ordering parts, and for technical support and resources for ordering related documentation and software.

- [Order parts by authorized service providers](#)
- [Assembly locations](#)
- [Print engine](#)
- [500-sheet paper feeder \(Tray 4\)](#)
- [1x500 and 3x500 paper deck](#)
- [High capacity input \(HCI\) feeder](#)
- [Fasteners used in this product](#)
- [Alphabetical parts list](#)
- [Numerical parts list](#)

Order parts by authorized service providers

Table 2-1 Order parts, accessories, and supplies

Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
Order through service or support providers	Contact an HP-authorized service or support provider.
Order using HP software	For information about using the HP software to order parts, accessories, and supplies, see the product user guide.

Customer self repair orderable parts

Table 2-2 Orderable parts

Item	Description	Self-replacement options	Part number
Hard-disk drive replacement kit	Replacement 320 GB HP High-Performance Secure Hard Disk	Optional	CF235-67901
	Replacement 320 GB HP High-Performance Secure Hard Disk (government option)	Optional	CF235-67920
Formatter assembly kit	Replacement formatter assembly kit	Mandatory	CF235-67902
	Replacement formatter assembly kit—China	Mandatory	CF235-67903
Solid-state memory drive	4 GB SSM	Mandatory	CF235-67904
Tray 1 pickup roller and separation pad kit	Replacement pickup roller and separation pad for Tray 1	Optional	CF235-67906
Tray 2 or Tray 3 pickup roller and separation pad kit	Replacement pickup roller and separation pad for Tray 2 or Tray 3	Optional	CF235-67909
Tray 2 assembly kit	Replacement for Tray 2	Mandatory	CF235-67911
Tray 3 assembly kit	Replacement for Tray 3	Mandatory	CF235-67912
1x500-sheet feeder	Replacement 1x500-sheet feeder	Mandatory	CF235-67914
Tray 4, 5, and 6 roller kit	Replacement pickup, feed, and separation rollers for Trays 4, 5, and 6	Mandatory	CC522-67909
Tray 4, 5, or 6 assembly kit	Assembly kit for Trays 4, 5, or 6	Mandatory	CF235-67917
1x500-sheet feeder with stand kit	Optional 500-sheet feeder with stand	Mandatory	CF235-67915
3x500-sheet feeder with stand kit	Optional 3x500-sheet feeder with stand	Mandatory	CF235-67916
3,500-sheet high-capacity input feeder with stand kit	Optional 3,500-sheet high-capacity input feeder with stand	Mandatory	CF235-67918
3,500-sheet high-capacity input feeder left tray assembly	Left tray for the 3,500-sheet high-capacity input feeder	Mandatory	CF235-60103
3,500-sheet high-capacity input feeder right tray assembly	Right tray for the 3,500-sheet high-capacity input feeder	Mandatory	CF235-60104
3,500-sheet tray roller kit	Replacement pickup, feed, and separation rollers for the 3,500-sheet high-capacity input feeder	Mandatory	5851-5011

Table 2-2 Orderable parts (continued)

Item	Description	Self-replacement options	Part number
Transfer-roller kit	Replacement transfer roller	Mandatory	CF235-67910
Duplexer kit	Optional duplexer kit	Mandatory	CF235-67913
Fuser assembly kit (110V)	Replacement 110V fuser assembly kit	Mandatory	CF235-67921
Fuser assembly kit (220V)	Replacement 220V fuser assembly kit	Mandatory	CF235-67922
110V maintenance kit	Product maintenance kit <ul style="list-style-type: none"> • 110-volt fuser • Transfer roller • Tray 1 pickup roller and separation pad • Tray 2 and 3 pickup rollers • Tray 2 and 3 separation pads • Trays 4,5, and 6 feed and separation rollers 	Mandatory	CF235-67907
220V maintenance kit	Product maintenance kit <ul style="list-style-type: none"> • 220-volt fuser • Transfer roller • Tray 1 pickup roller and separation pad • Tray 2 and 3 feed rollers • Tray 2 and 3 separation pads • Trays 4,5, and 6 feed and separation rollers 	Mandatory	CF235-67908
Trays 4, 5, and 6 label kit	Replacement labels for Trays 4, 5, and 6	Mandatory	CE707-00001
Toner cartridge	Standard capacity	Mandatory	CF214-67901
	High capacity	Mandatory	CF214-67902
Power cable 220V – 10A	Replacement cable – China	Mandatory	8121-0943
Power cable 110V – 13A	Replacement cable – Taiwan	Mandatory	8121-0964
Power cable 220V – 10A	Replacement cable – Korea, EU generic	Mandatory	8121-0731
Power cable 110V – 12A	Replacement cable – Japan	Mandatory	8121-1143
Power cable 220V – 6A	Replacement cable – India	Mandatory	8121-0564
Power cable 220V – 10A	Replacement cable – UK/Asia Pacific	Mandatory	8121-0739
Power cable 220V – 10A	Replacement cable – Australia/New Zealand	Mandatory	8121-0837
Power cable 220V – 10A	Replacement cable – Israel	Mandatory	8121-1004
Power cable 220V – 10A	Replacement cable – Denmark	Mandatory	8121-0733
Power cable 220V – 10A	Replacement cable – South Africa	Mandatory	8121-0737
Power cable 220V – 10A	Replacement cable – Switzerland	Mandatory	8121-0738

Table 2-2 Orderable parts (continued)

Item	Description	Self-replacement options	Part number
Power cable 110V – 10A Brazil	Replacement cable – Brazil	Mandatory	8121-1071
Power cable 220V – 10A Argentina	Replacement cable – Argentina	Mandatory	8121-0729
Power cable 110V – 13A North America	Replacement cable – North America	Mandatory	8121-0740
Power cable 220V – 10A South America/ Chile/Peru	Replacement cable – South America/Chile/ Peru	Mandatory	8121-0735
Power cable 220V / 110V – Thailand/ Philippines	Replacement cable – Thailand/Philippines	Mandatory	8121-0734

Supplies part numbers

Table 2-3 Supplies part numbers

Item	Description	Part number
HP LaserJet toner cartridge	Standard-capacity cartridge	CF214-67901
		CF214A
	High-capacity cartridge	CF214-67902
		CF214X

Accessories part numbers

Table 2-4 Accessories part numbers

Item	Description	Part number
500-sheet tray and feeder unit	Optional tray to increase paper capacity	CF235-67914
1x500-sheet feeder, cabinet, and stand	Optional tray to increase paper capacity	CF235-67915
3x500-sheet feeder and stand	Optional tray to increase paper capacity	CF235-67916
3,500-sheet high-capacity input and stand	Optional tray to increase paper capacity	CF235-67918
Duplex printing assembly	Optional accessory to print on both sides of the paper	CF235-67913
Hard disk drive	320 GB hard disk drive	CF235-67901
DIMM memory	HP Optional 512 MB DIMM memory	CF235-67919
HP Jetdirect print servers	HP Jetdirect ew2500 Wireless Print Server	J8021A
	HP Jetdirect 2700w USB Wireless Print Server	J8026A
USB cable	Standard USB-compatible device connector, 2 m (6.5 ft)	C6518A

Related documentation and software

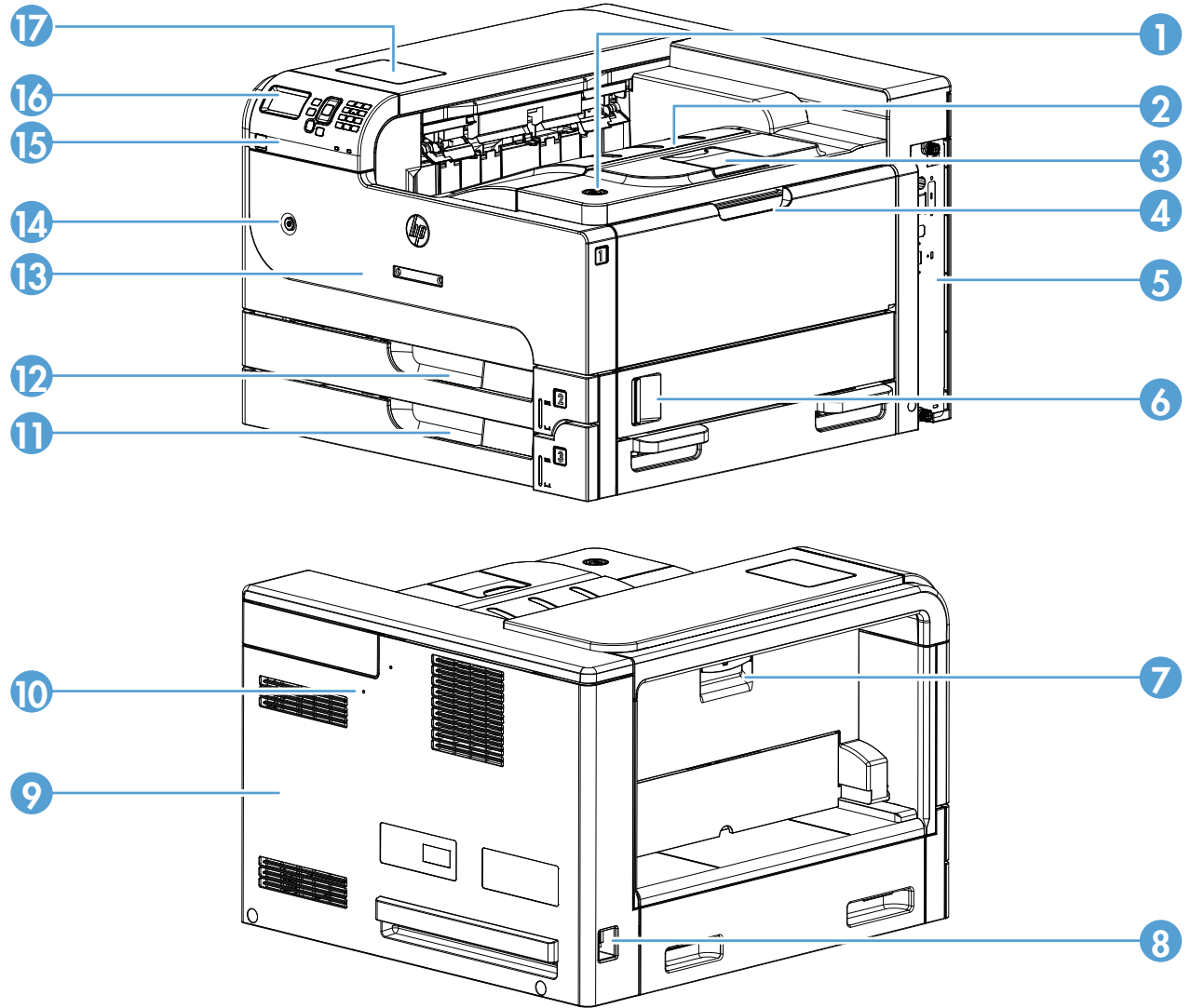
Table 2-5 Related documentation and software

Item	Description	Part number
HP LaserJet Enterprise 700 M712 Series User Guide	Product user guide	CF235-90901 (English)
HP LaserJet Pro Enterprise 700 M712 Series Repair Manual	English repair manual (this manual)	CF235-90962

Assembly locations

Base product (no optional trays or accessories)

Figure 2-1 Base product (no optional trays or accessories)



Item	Description	Item	Description
1	Cartridge door	10	Test print switch
2	Face-down output bin	11	Lower cassette
3	Face-down output bin extension tray	12	Upper cassette
4	MP tray	13	Front cover
5	Formatter	14	Power switch
6	Right door	15	USB port
7	Left door	16	Control panel

Item	Description	Item	Description
8	Power receptacle	17	HIP cover
9	Rear cover		

Optional 500-sheet paper feeder (accessory)

Figure 2-2 Optional 500-sheet paper feeder (accessory)

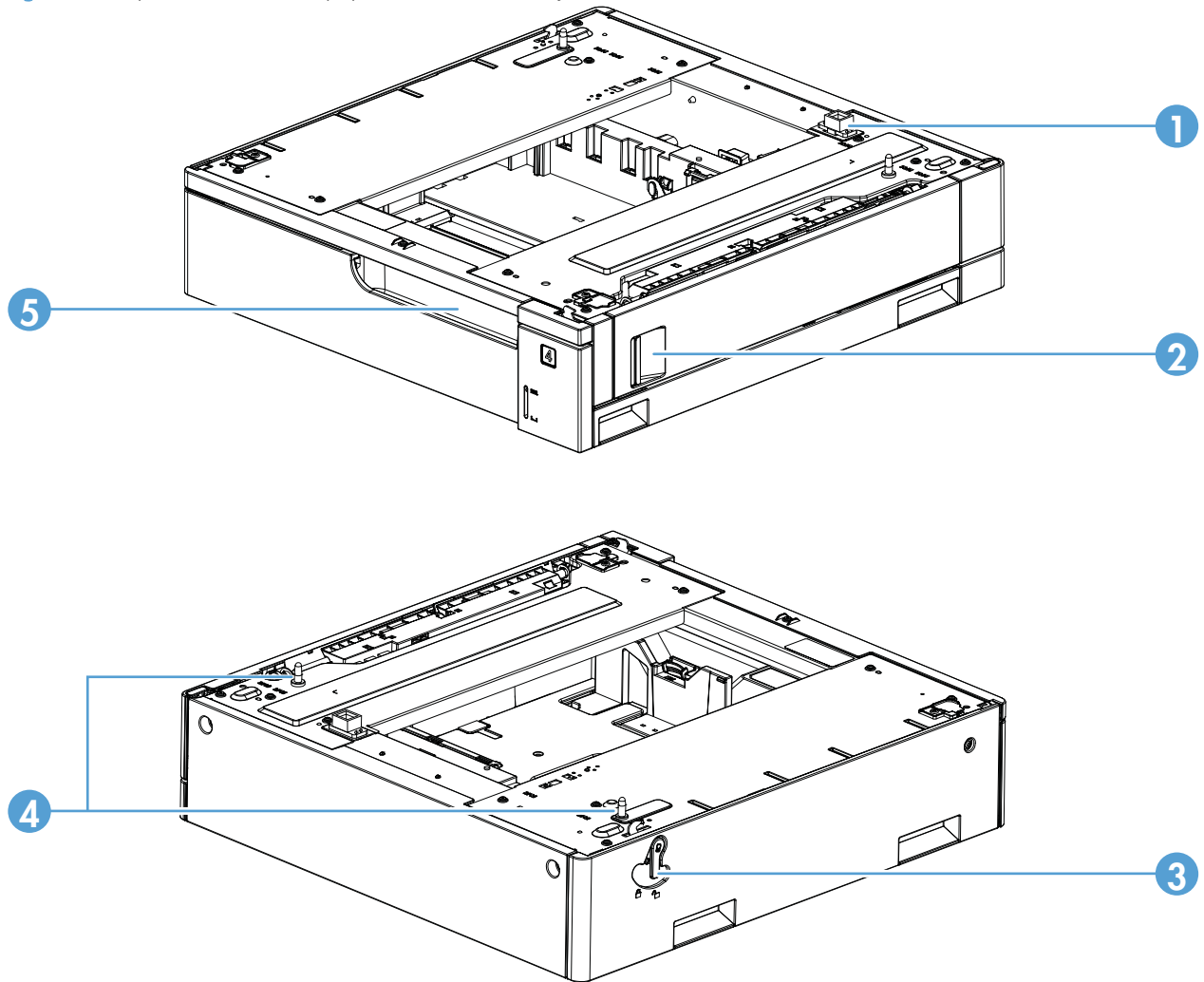


Table 2-6 Optional 500-sheet paper feeder (accessory)

Item	Description	Item	Description
1	Connector	4	Positioning pin
2	Right door	5	Cassette
3	Lock lever		

Optional 1x500-sheet paper deck (accessory)

Figure 2-3 Optional 1x500-sheet paper deck (accessory)

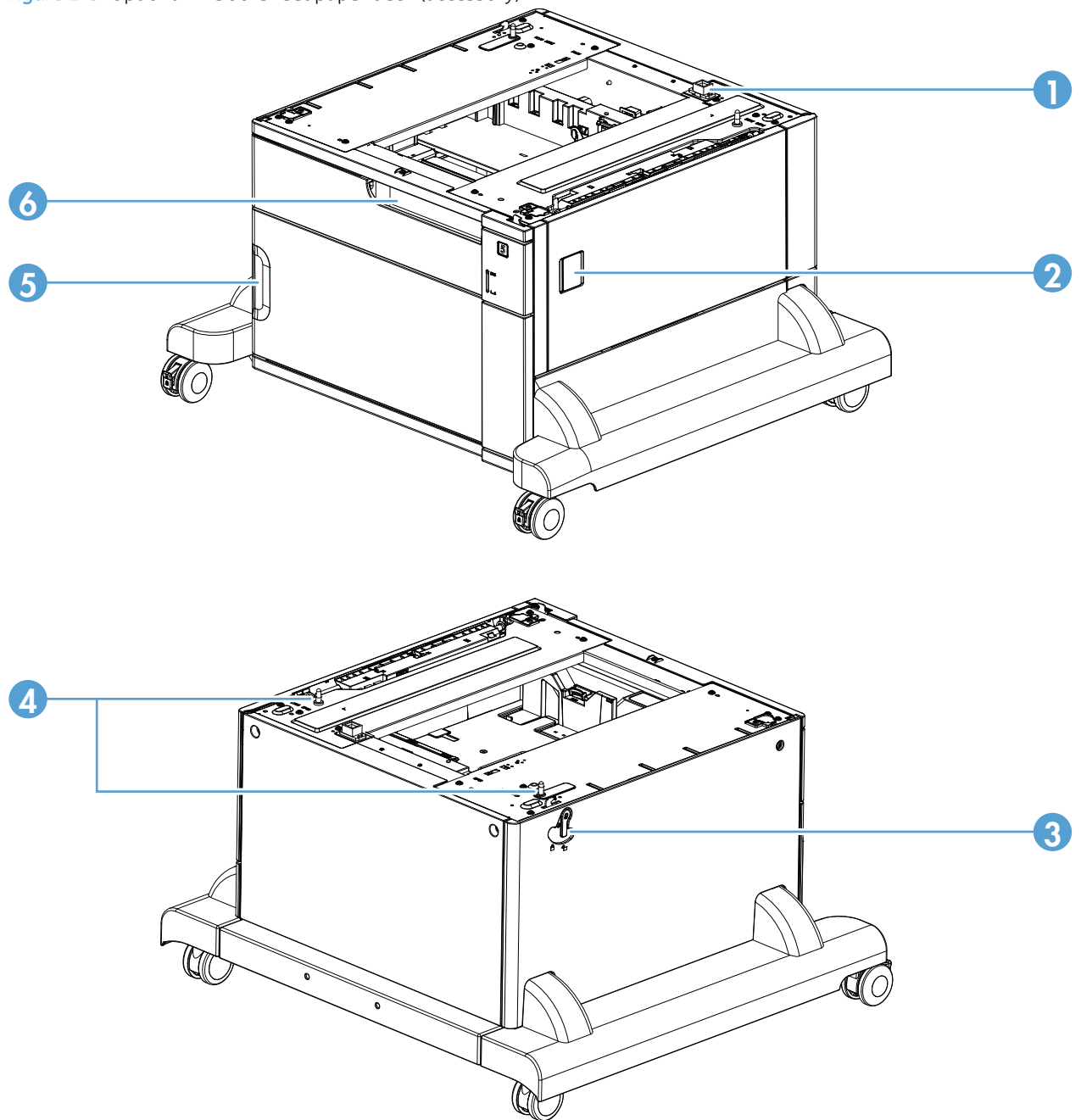


Table 2-7 Optional 1x500-sheet paper deck (accessory)

Item	Description	Item	Description
1	Connector	4	Positioning pin
2	Right door	5	Front door
3	Lock lever	6	Cassette

Optional 3x500-sheet paper deck (accessory)

Figure 2-4 Optional 3x500-sheet paper deck (accessory)

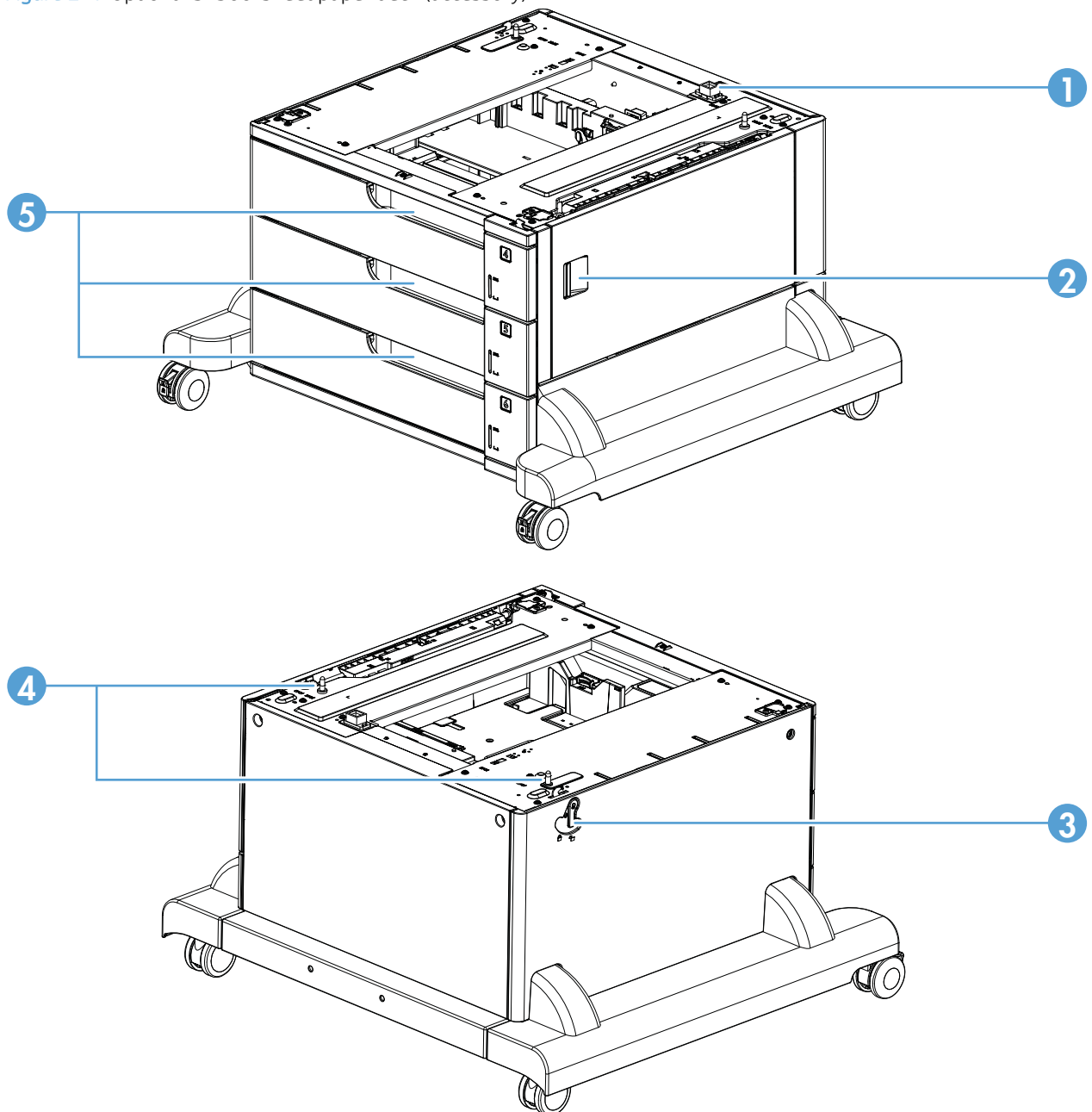


Table 2-8 Optional 3x500-sheet paper deck (accessory)

Item	Description	Item	Description
1	Connector	4	Positioning pin
2	Right door	5	Cassette
3	Lock lever		

High capacity input (HCI) paper deck

Figure 2-5 Duplexer

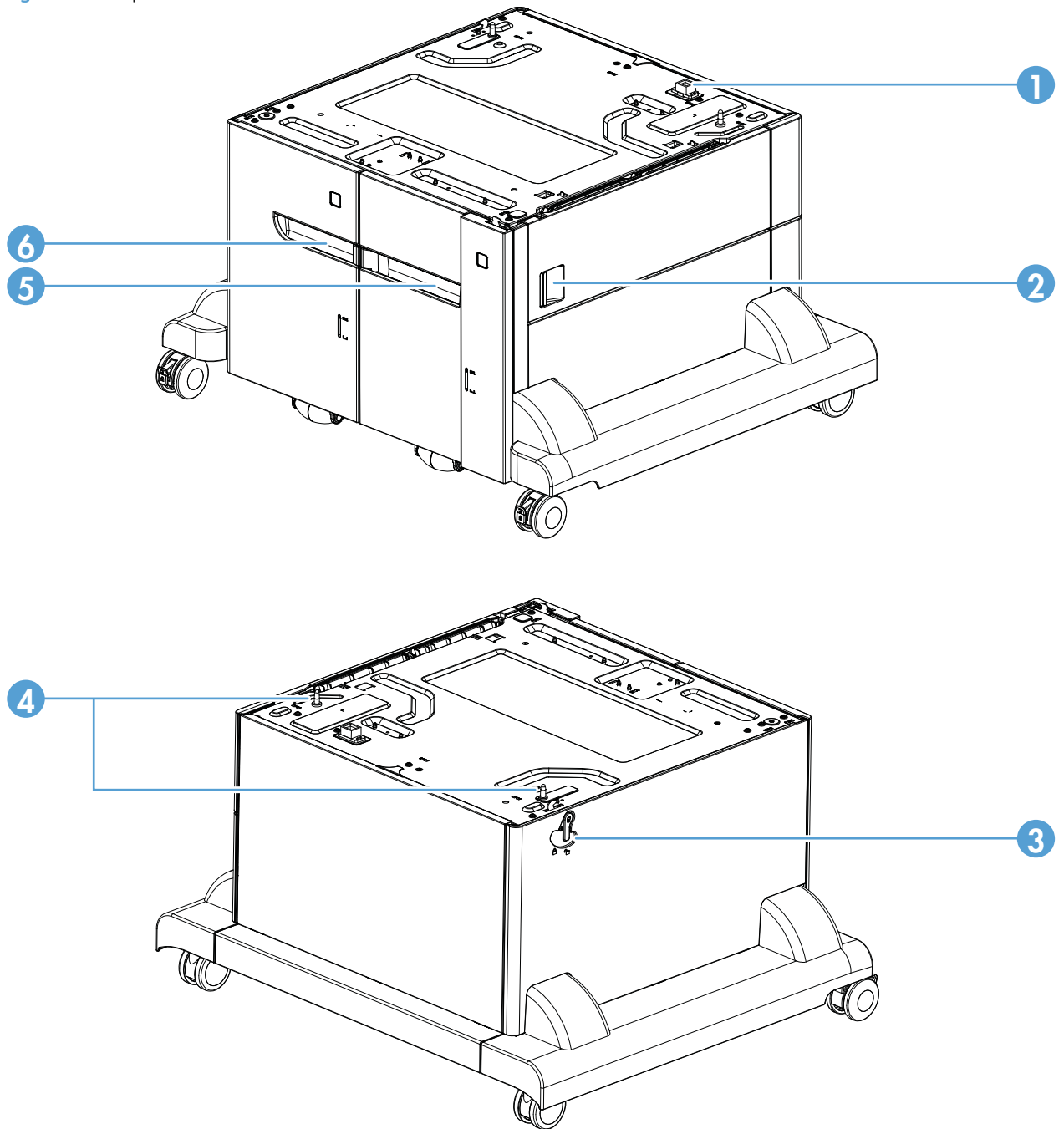
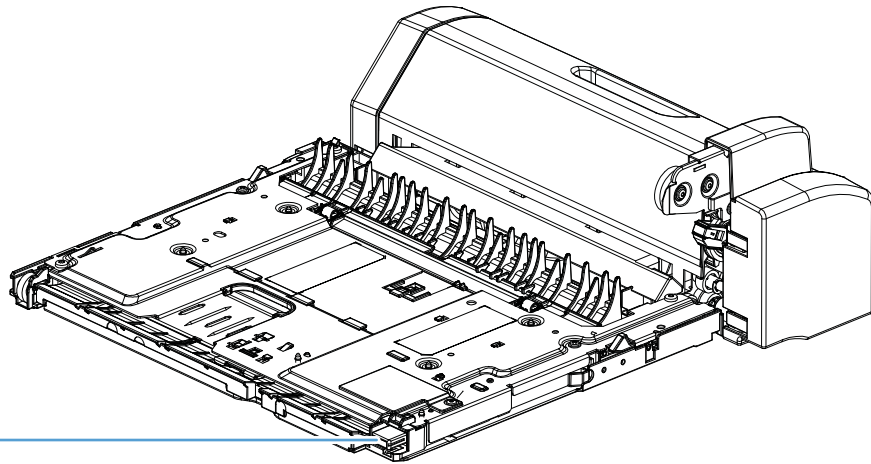


Table 2-9 Optional 500-sheet input tray

Item	Description	Item	Description
1	Connector	4	Positioning pin
2	Right door	5	Right cassette
3	Lock lever	6	Left cassette

Duplexer

Figure 2-6 Duplexer



1

Table 2-10 Duplexer

Item	Description
1	Connector

Print engine

External covers and panels

Figure 2-7 External covers and panels

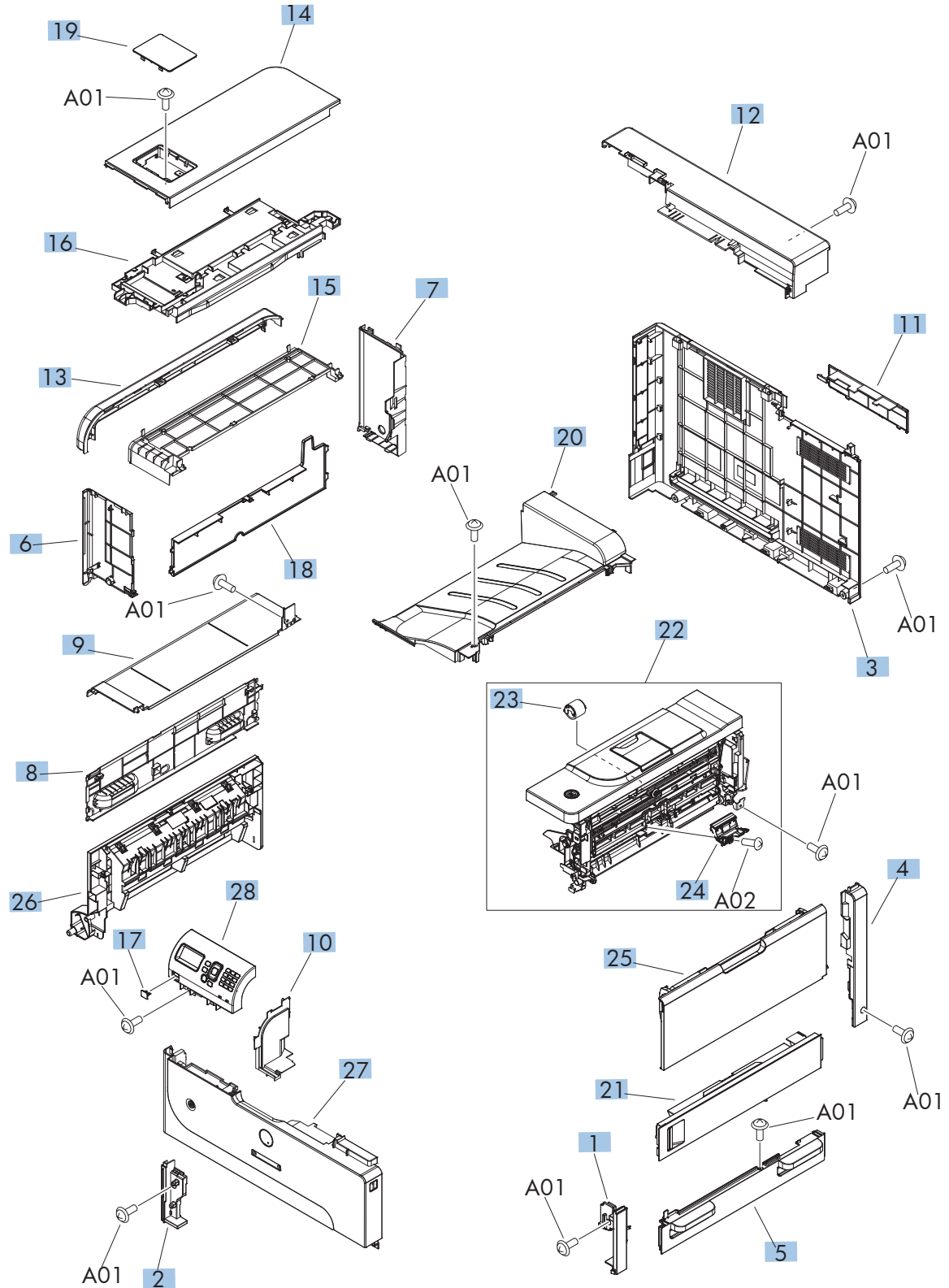


Table 2-11 External covers and panels

Ref	Description	Part number	Qty
1	Cover, front, right lower	RC3-2133-000CN	1
2	Cover, front, left lower	RC3-2134-000CN	1
3	Cover, rear	RC3-2138-000CN	1
4	Cover, right side, rear	RC3-2148-000CN	1
5	Cover, right handle	RC3-2153-000CN	1
6	Cover, left side, front, lower	RC3-2154-000CN	1
7	Cover, left side, rear, lower	RC3-2155-000CN	1
8	Cover, left handle	RC3-2156-000CN	1
9	Cover, left, upper	RC3-2272-000CN	1
10	Cover, facedown, side	RC3-2219-000CN	1
11	Cover, pocket rear	RC3-2220-000CN	1
12	Cover, top rear	RC3-2221-000CN	1
13	Cover, upper left	RC3-2222-000CN	1
14	Cover, top	RC3-2223-000CN	1
15	Cover, left roof	RC3-2224-000CN	1
16	Cover, output upper	RC3-2225-000CN	1
17	Cap, USB	RC3-2264-000CN	1
18	Cover, duplexer	RC3-2280-000CN	1
19	Cover, HIP	RC3-3231-000CN	1
20	Facedown cover assembly	RM1-8654-000CN	1
21	Right door assembly	RM1-8657-000CN	1
22	Cartridge door assembly	RM1-8660-000CN	1
23	Roller, paper pickup, multipurpose tray (part of Tray 1 pickup roller and separation pad kit)	CF235-67906	1
24	Multipurpose pad assembly (part of Tray 1 pickup roller and separation pad kit)	CF235-67906	1
25	Multipurpose cover assembly	RM1-8662-000CN	1
26	Left door assembly	RM1-8680-000CN	1
27	Front cover assembly kit (includes product labels)	CF235-67905	1
28	Control panel assembly	RM1-8940-000CN	1

Internal components (1 of 4)

Figure 2-8 Internal components (1 of 4)

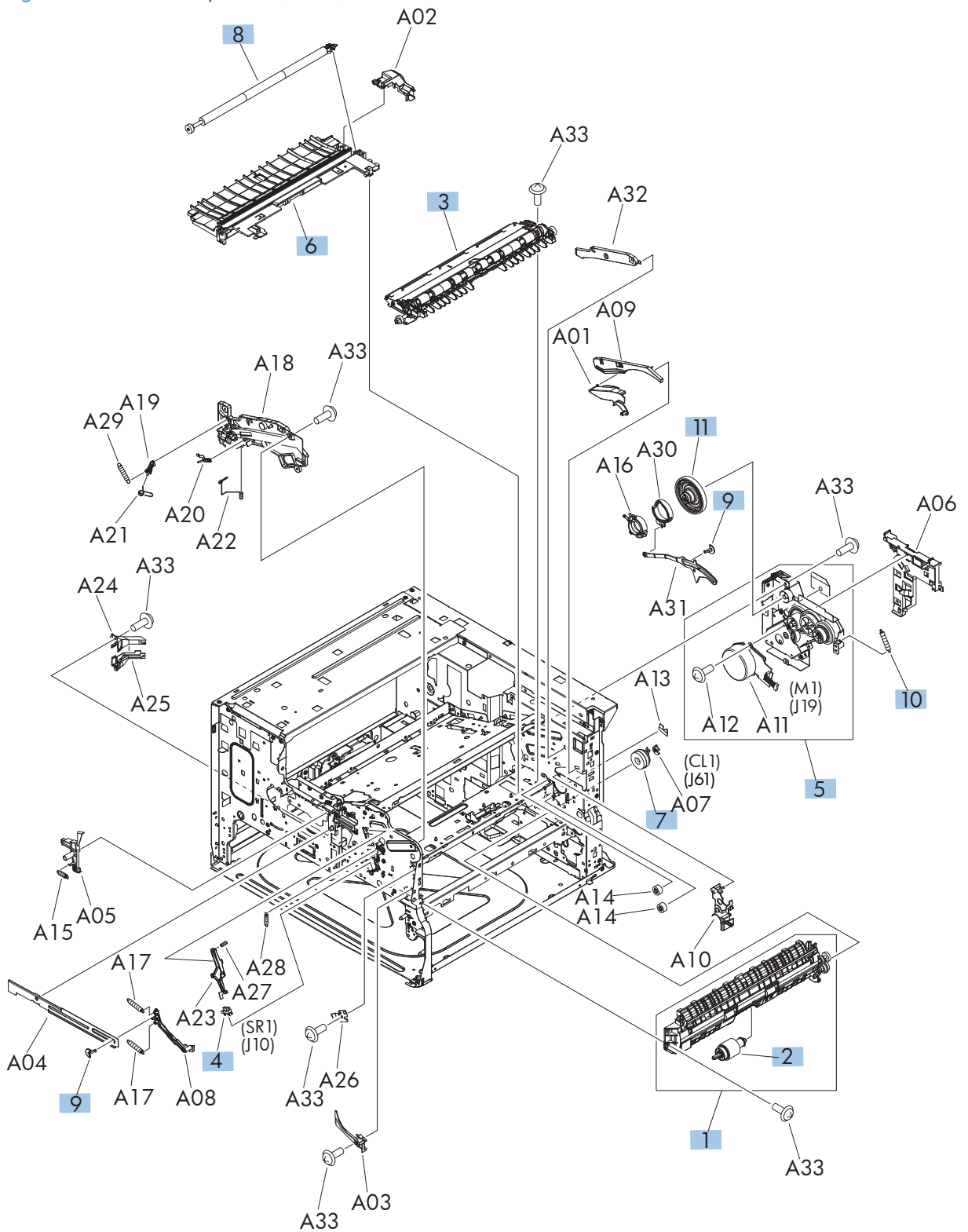


Table 2-12 Internal components (1 of 3) (print engine)

Ref	Description	Part number	Qty
1	Upper cassette (Tray 2) pickup assembly	RM2-0182-000CN	1
2	Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	1
3	Registration assembly	RM1-8671-000CN	1
4	Photointerrupter	WG8-5935-000CN	1
5	Main drive assembly	RM2-0184-000CN	1
6	Paper feed assembly	RM1-8741-000CN	1
7	Clutch, electromagnetic	RM1-8946-000CN	1
8	Transfer roller assembly kit	CF235-67910	1
9	Stopper, link	RC3-2212-000CN	2
10	Spring, tension	RU5-2632-000CN	1
11	Gear, 133T	RU7-0350-000CN	1

Internal components (2 of 4)

Figure 2-9 Internal components (2 of 4)

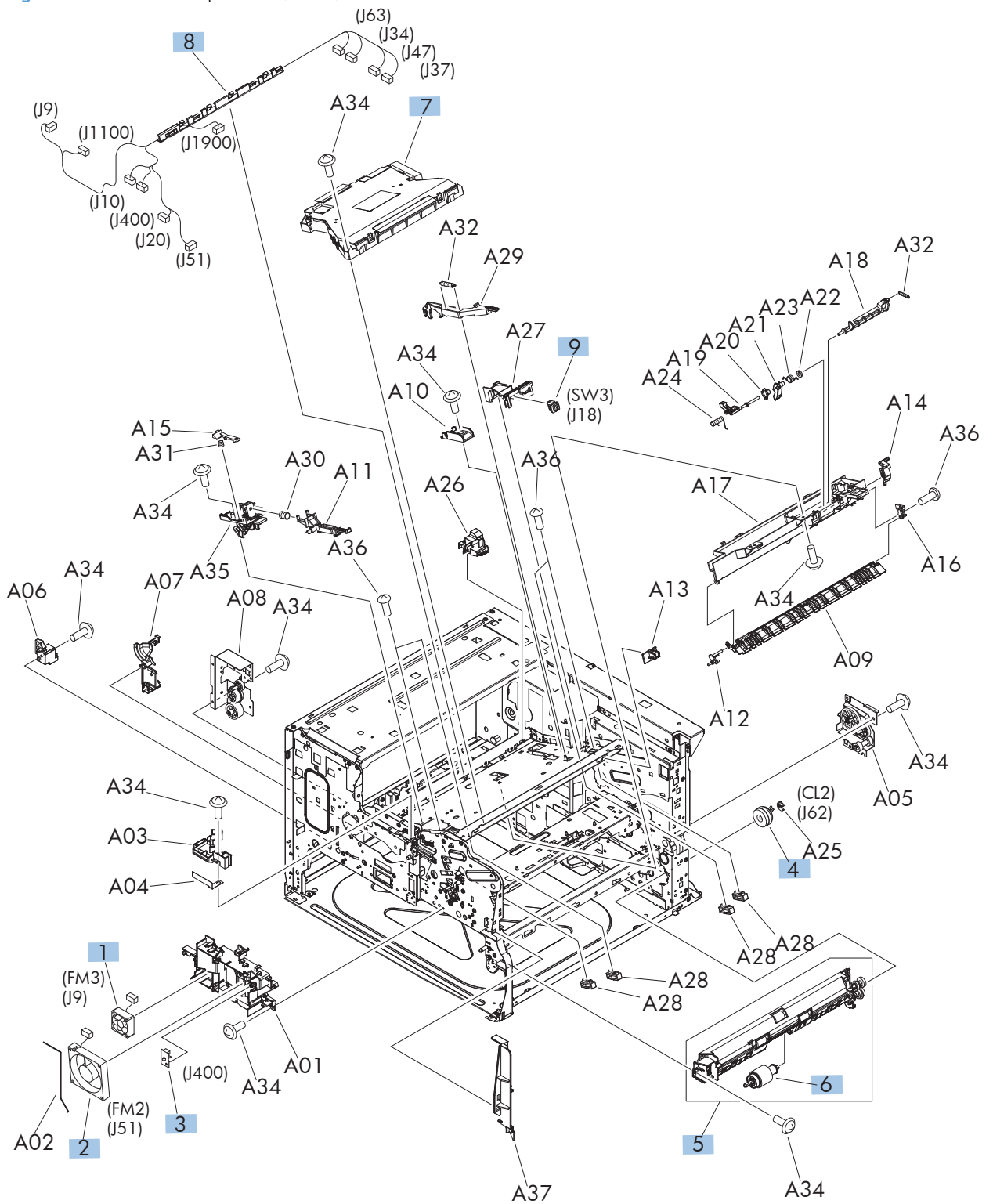


Table 2-13 Internal components (2 of 4)

Ref	Description	Part number	Qty
1	Fan	RK2-1092-000CN	1
2	Fan	RK2-3244-000CN	1
3	Sensor, humidity	WP2-5316-000CN	1
4	Clutch, electromagnetic	RM1-8946-000CN	1
5	Lower cassette (Tray 3) pickup assembly	RM2-0183-000CN	1
6	Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	1
7	Laser scanner assembly	RM1-8679-000CN	1
8	Cable, multi, front	RM1-8971-000CN	1
9	Cartridge door open switch	WC2-5637-000CN	1

Internal components (3 of 4)

Figure 2-10 Internal components (3 of 4)

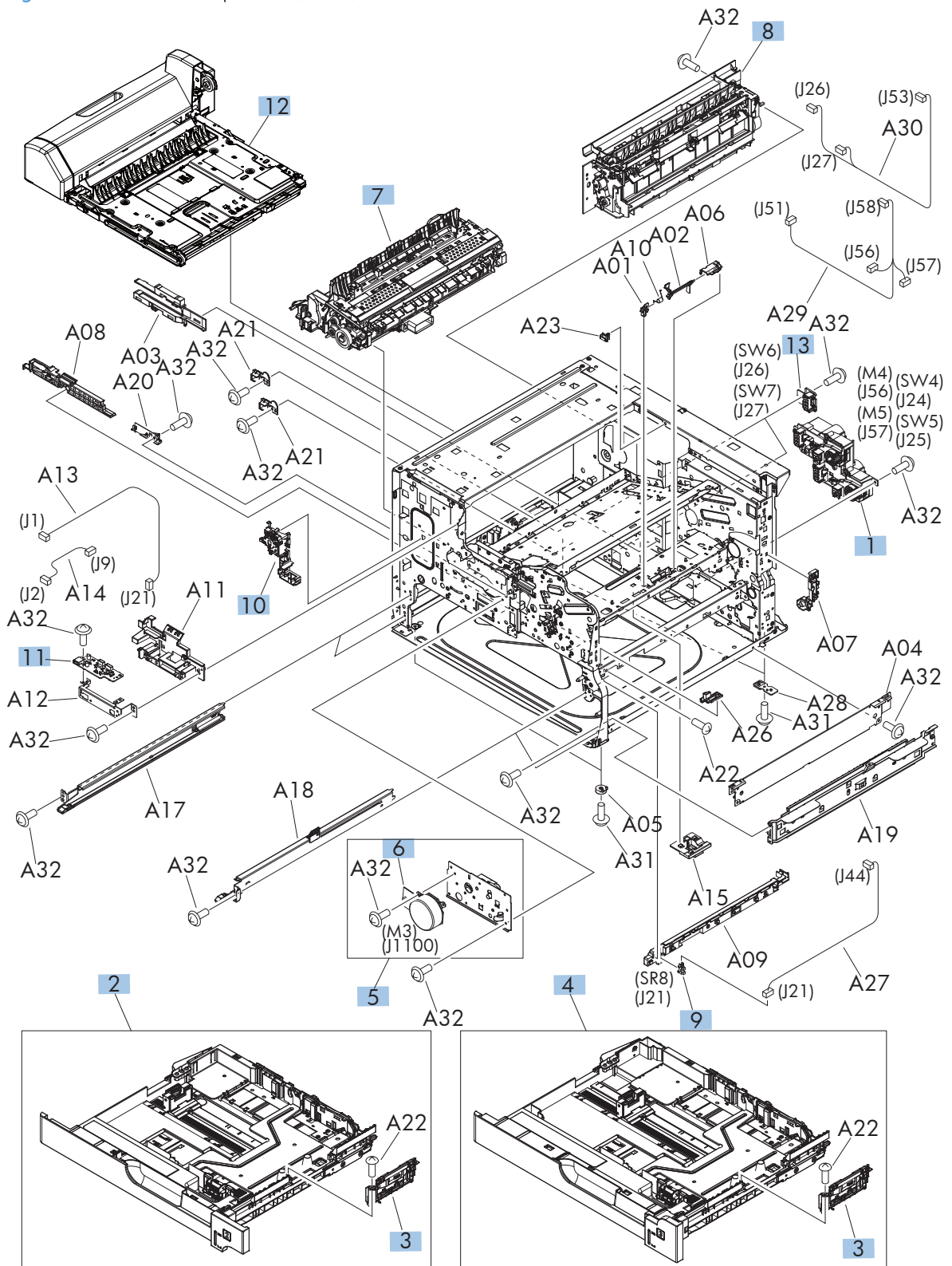


Table 2-14 Internal components (3 of 4)

Ref	Description	Part number	Qty
1	Lifter drive assembly	RM1-2969-000CN	1
2	Upper cassette (Tray 2) assembly kit	CF235-67911	1
3	Separation pad assembly (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	2
4	Lower cassette (Tray 3) assembly kit	CF235-67912	1
5	Fuser drive assembly	RM1-2963-000CN	1
6	Fuser motor assembly	RM1-2538-000CN	1
7	Fuser assembly kit (110V)	CF235-67921	1
7	Fuser assembly kit (220V)	CF235-67922	1
8	Paper delivery assembly	RM1-8669-000CN	1
9	Photointerrupter	WG8-5935-000CN	1
10	Power switch PCA	RM2-7561-000CN	1
11	USB PCA	RM1-8937-000CN	1
12	Optional duplexer assembly	CF235-67913	1
13	Back end sensor	RM1-2968-000CN	1

Table 2-15 Internal components (4 of 4)

Ref	Description	Part number	Qty
1	Cable, flexible flat, 21P	RK2-4490-000CN	1
2	Cable, flexible flat, 23P	RK2-4492-000CN	1
3	Cable, flexible flat, 25P	RK2-4494-000CN	1
4	Cable, flexible flat, 15P	RK2-4496-000CN	1
5	DC controller PCA	RM1-8934-000CN	1
6	Fan	RK2-2416-000CN	1
7	Formatter cage	RM1-8683-000CN	1
8	Low voltage power supply (110V)	RM1-8744-000CN	1
8	Low voltage power supply (220V)	RM1-8745-000CN	1
9	High voltage power supply (110V)	RM2-7538-000CN	1
9	High voltage power supply (220V)	RM2-7539-000CN	1
10	Switch, fuser (left) door	RM1-3474-000CN	1
11	Switch, cartridge door	RM1-3471-000CN	1

500-sheet paper feeder (Tray 4)

500-sheet paper feeder (Tray 4) covers

Figure 2-12 500-sheet paper feeder (Tray 4) covers

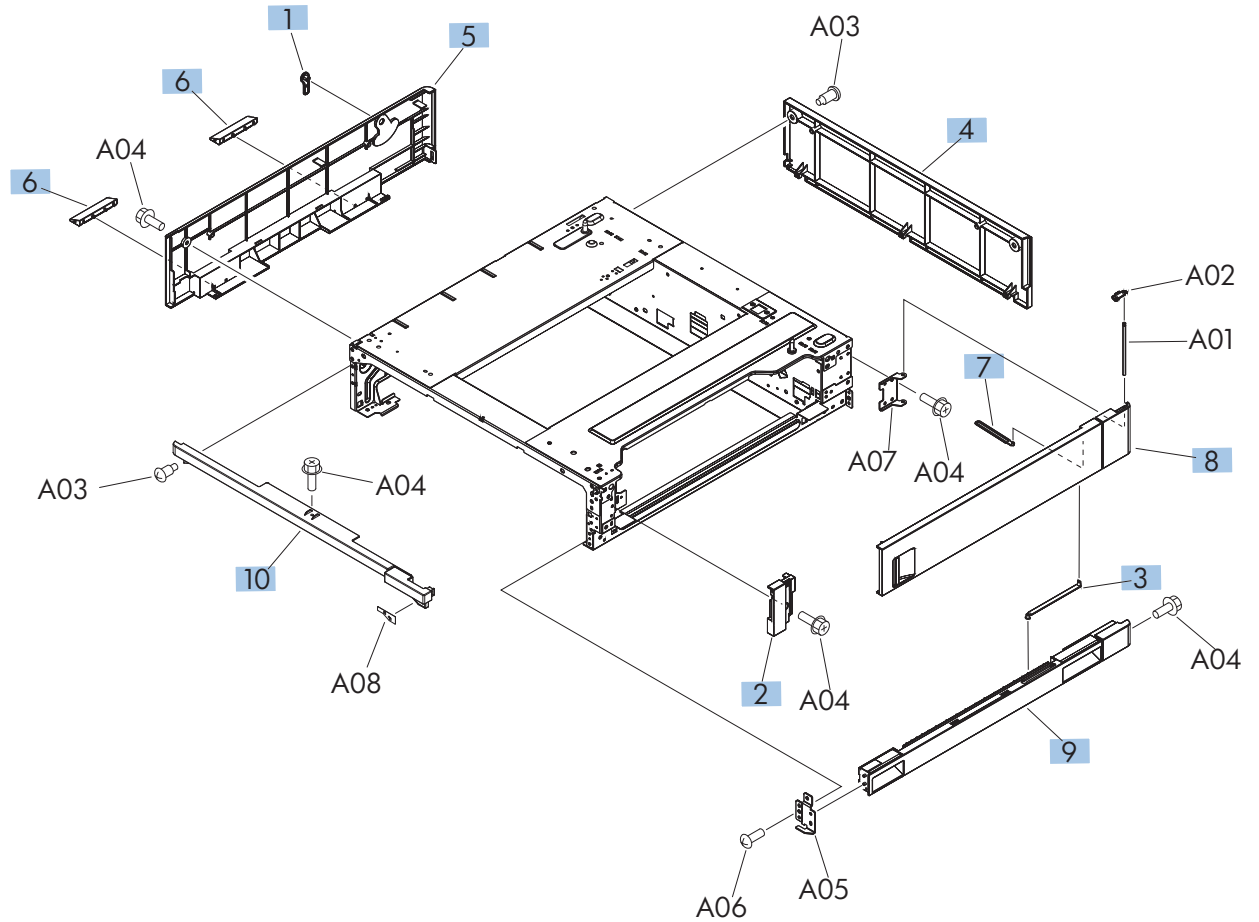


Table 2-16 500-sheet paper feeder (Tray 4) covers

Ref	Description	Part number	Qty
	Optional 500-sheet tray and feeder assembly kit	CF235-67914	1
1	Handle, lock, rear	RC2-9303-000CN	1
2	Cover, right front	RC2-9320-000CN	1
3	Link, right door, lower	RC2-9327-000CN	1
4	Cover, rear	RC2-9330-000CN	1
5	Cover, left	RC2-9331-000CN	1
6	Cover, handle lower	RC2-9332-000CN	2
7	Link, right door, upper	RC2-9335-000CN	1
8	Right door assembly	RM1-6946-000CN	1
9	Right lower cover assembly	RM1-6948-000CN	1
10	Front upper cover assembly	RM1-6949-000CN	1

500-sheet paper feeder (Tray 4) components

Figure 2-13 500-sheet paper feeder (Tray 4) components

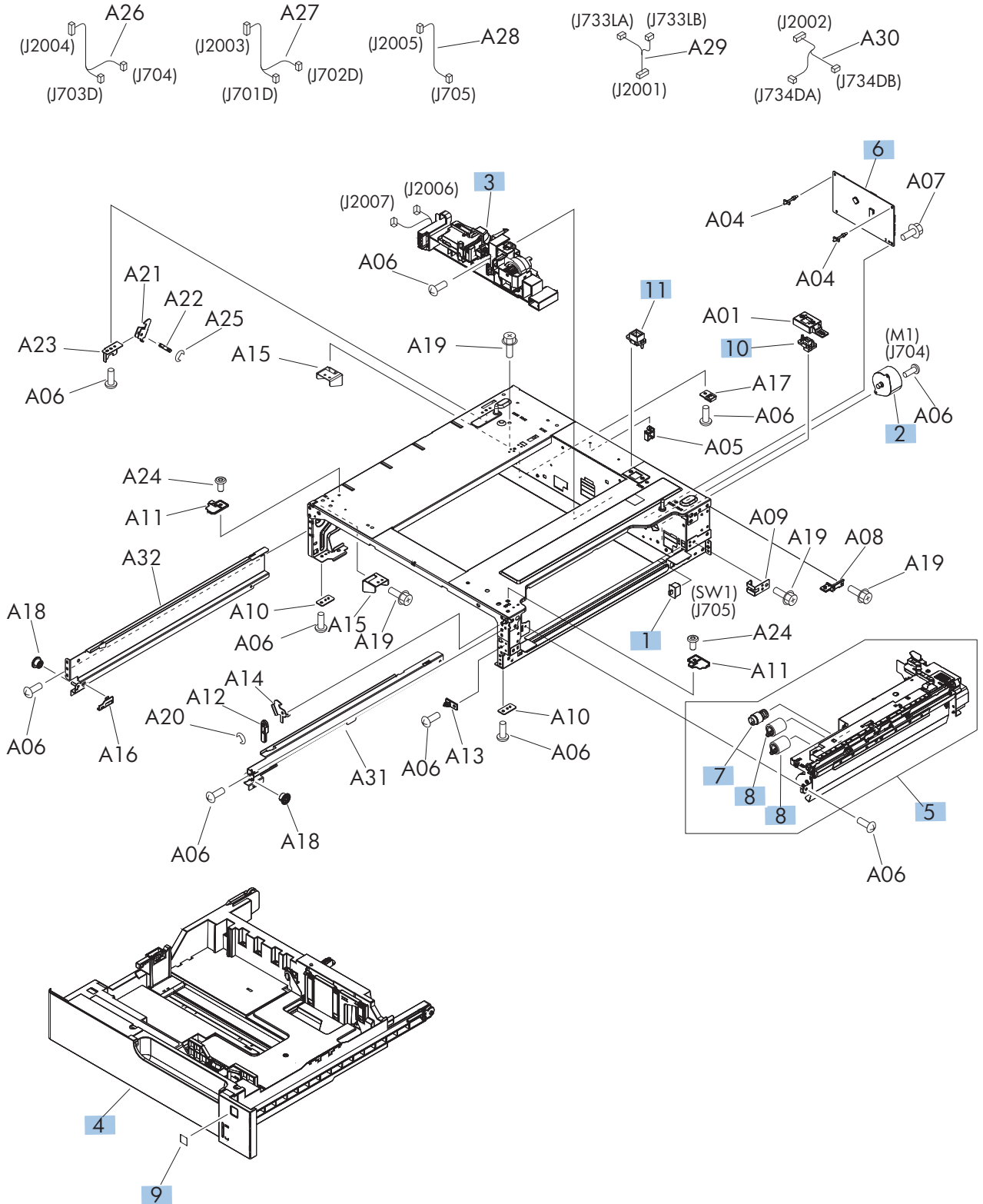


Table 2-17 500-sheet paper feeder (Tray 4) components

Ref	Description	Part number	Qty
1	Switch, button	WC2-5512-000CN	1
2	Motor, stepping, DC	RK2-1331-000CN	1
3	Lifter drive assembly	RM1-3819-000CN	1
4	Cassette assembly	RM1-9413-000CN	1
5	Paper pickup assembly	RM1-9415-000CN	1
6	Paper feeder controller PCA	RM1-9074-000CN	1
7	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	4
8	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	8
9	Labels, cassette numbers, Trays 4-6	CE707-00001	1
10	Connector, 8P	VS1-7514-008CN	1
11	Connector, 8P	VS1-7500-008CN	1

1x500 and 3x500 paper deck

1x500 and 3x500 paper deck covers

Figure 2-14 1x500 and 3x500 paper deck covers

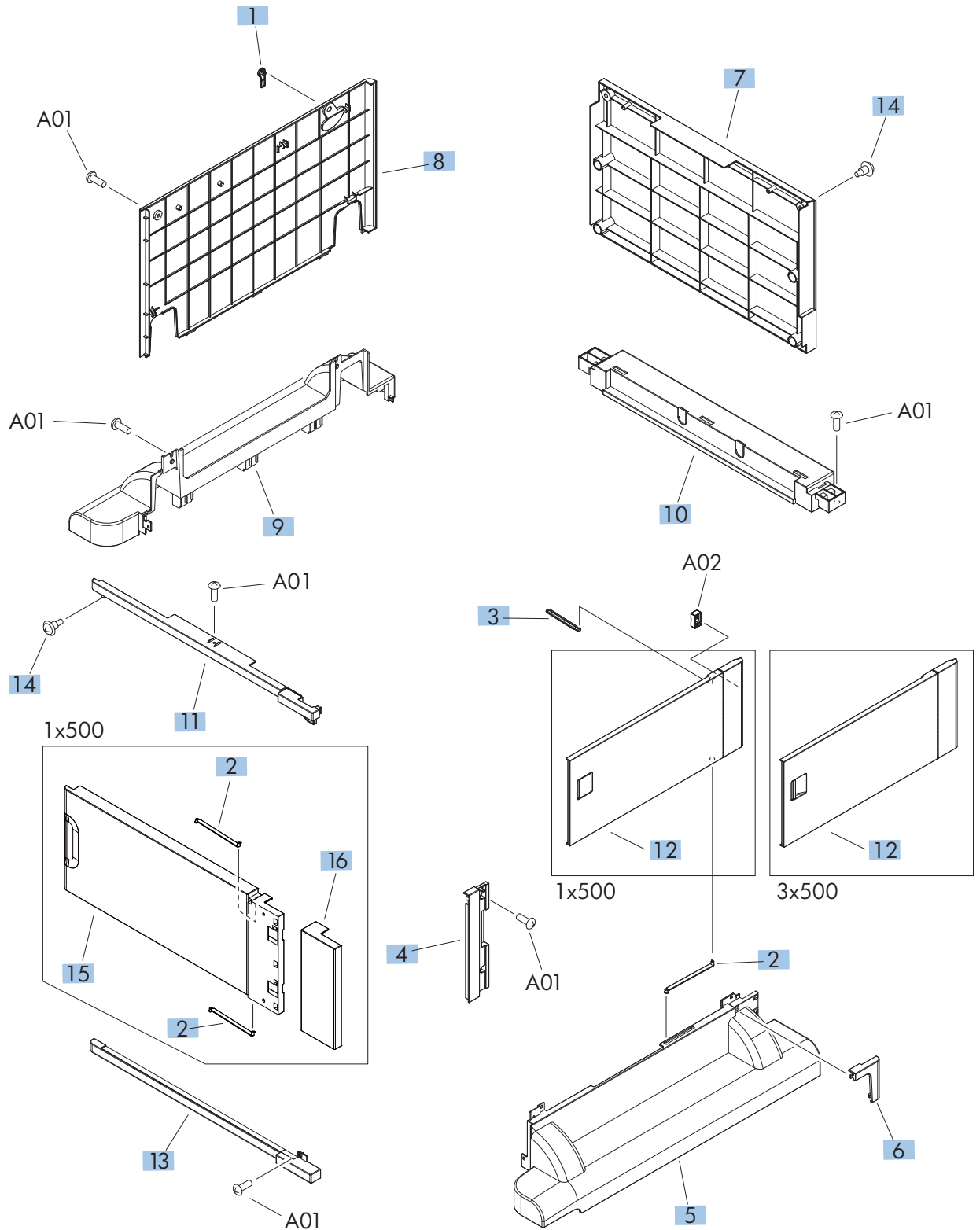


Table 2-18 1x500 and 3x500 paper deck covers

Ref	Description	Part number	Qty
	1x500 feeder and stand assembly kit	CF235-67915	1
	3x500 feeder and stand assembly kit	CF235-67916	1
1	Handle, lock, rear	RC2-9303-000CN	1
2	Link, right door, lower	RC2-9327-000CN	3
3	Link, right door, upper	RC2-9335-000CN	1
4	Cover, right corner	RC2-9343-000CN	1
5	Cover, right lower, 1	RC2-9346-000CN	1
6	Cover, right lower, 2	RC2-9347-000CN	1
7	Cover, rear	RC2-9348-000CN	1
8	Cover, left	RC2-9349-000CN	1
9	Cover, left lower	RC2-9350-000CN	1
10	Cover, rear lower	RC2-9357-000CN	1
11	Front upper cover assembly	RM1-6949-000CN	1
12	Right door assembly (1x500 paper deck)	RM1-6952-000CN	1
12	Right door assembly (3x500 paper deck)	RM1-6953-000CN	1
13	Front lower cover assembly	RM1-6958-000CN	1
14	Screw, stepped	RU5-9056-000CN	3
15	Door, stock, 1 (1x500 paper deck only)	RC2-9353-000CN	1
16	Door, stock, 2 (1x500 paper deck only)	RC2-9354-000CN	1

1x500 paper deck components

Figure 2-15 1x500 paper deck components

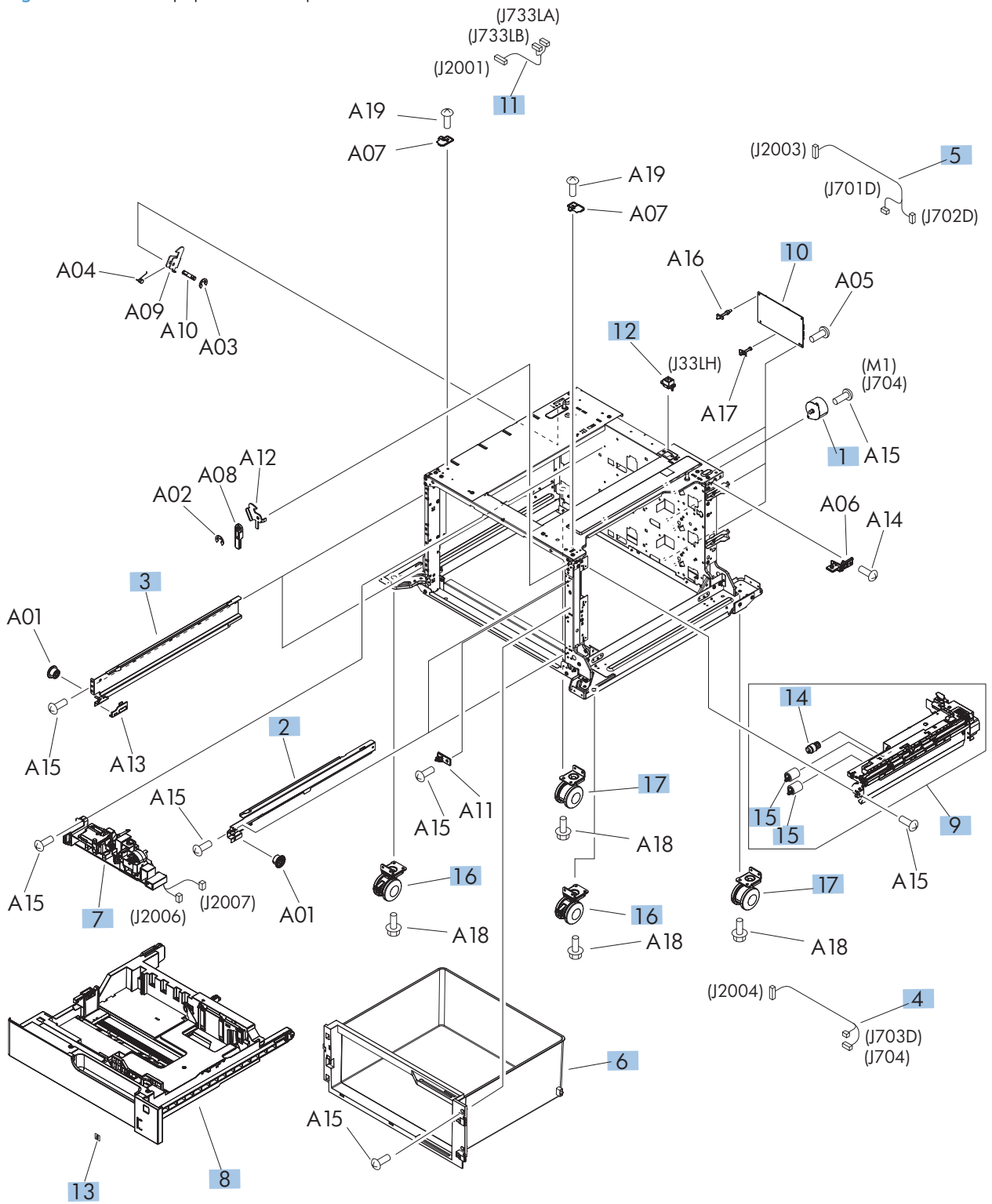


Table 2-19 1x500 paper deck components

Ref	Description	Part number	Qty
1	Motor, stepping, DC	RK2-1331-000CN	1
2	Rail, cassette, right	RL1-1390-000CN	2
3	Rail, cassette, left	RL1-1391-000CN	2
4	Cable, paper pickup option	RM1-3575-000CN	1
5	Cable, multisensor	RM1-3647-000CN	1
6	Stock box assembly	RM1-6954-000CN	1
7	Lifter drive assembly	RM1-3819-000CN	1
8	Cassette assembly kit, with Trays 4-6 label kit	CF235-67917	1
9	Paper pickup assembly	RM1-9415-000CN	1
10	Controller PCA	RM1-9075-000CN	1
11	Cable, engine interface	RM1-6991-000CN	1
12	Connector, 8P	VS1-7500-008CN	1
13	Labels, cassette numbers, Trays 4-6	CE707-00001	1
14	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	4
15	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	8
16	Caster, double lock, front	RC1-9896-000CN	2
17	Caster, rear	RC3-2994-000CN	2

3x500 paper deck components

Figure 2-16 3x500 paper deck components

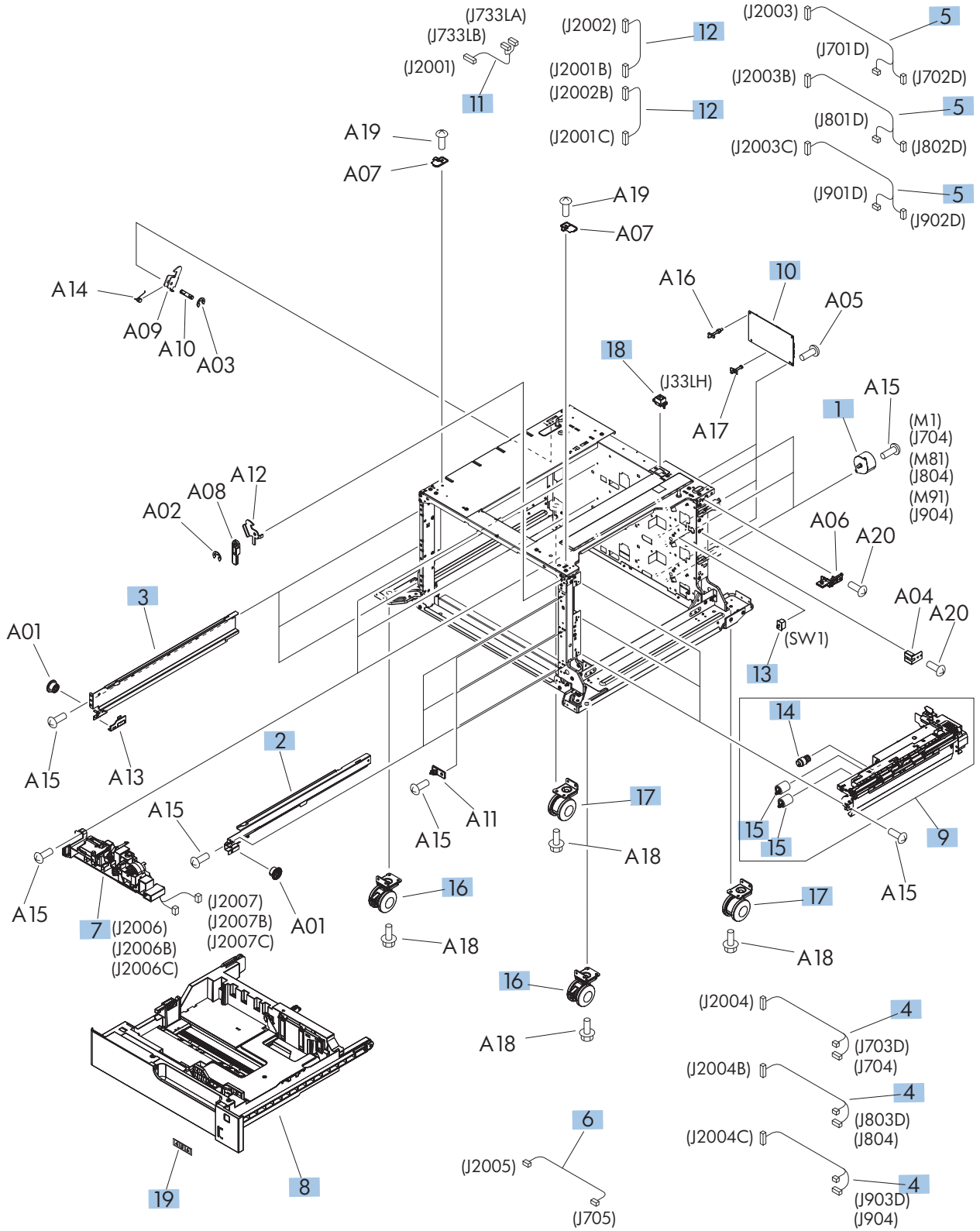


Table 2-20 3x500 paper deck components

Ref	Description	Part number	Qty
1	Motor, stepping, DC	RK2-1331-000CN	3
2	Rail, cassette, right	RL1-1390-000CN	3
3	Rail, cassette, left	RL1-1391-000CN	3
4	Cable, paper pickup option	RM1-3575-000CN	3
5	Cable, multi sensor	RM1-3647-000CN	3
6	Cable, door open switch	RM1-3651-000CN	1
7	Lifter drive assembly	RM1-3819-000CN	3
8	Cassette assembly kit, with Trays 4-6 label kit	CF235-67917	3
9	Paper pickup assembly	RM1-9415-000CN	3
10	Controller PCA	RM1-9076-000CN	1
11	Cable, engine interface	RM1-6991-000CN	1
12	Cable, PCA joint	RM1-6992-000CN	2
13	Switch, button	WC2-5512-000CN	1
14	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	4
15	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	8
16	Caster, double lock, front	RC1-9896-000CN	2
17	Caster, rear	RC3-2994-000CN	2
18	Connector, 8P	VS1-7500-008CN	1
19	Labels, cassette numbers, Trays 4-6	CE707-00001	1

High capacity input (HCI) feeder

HCI covers

Figure 2-17 HCI covers

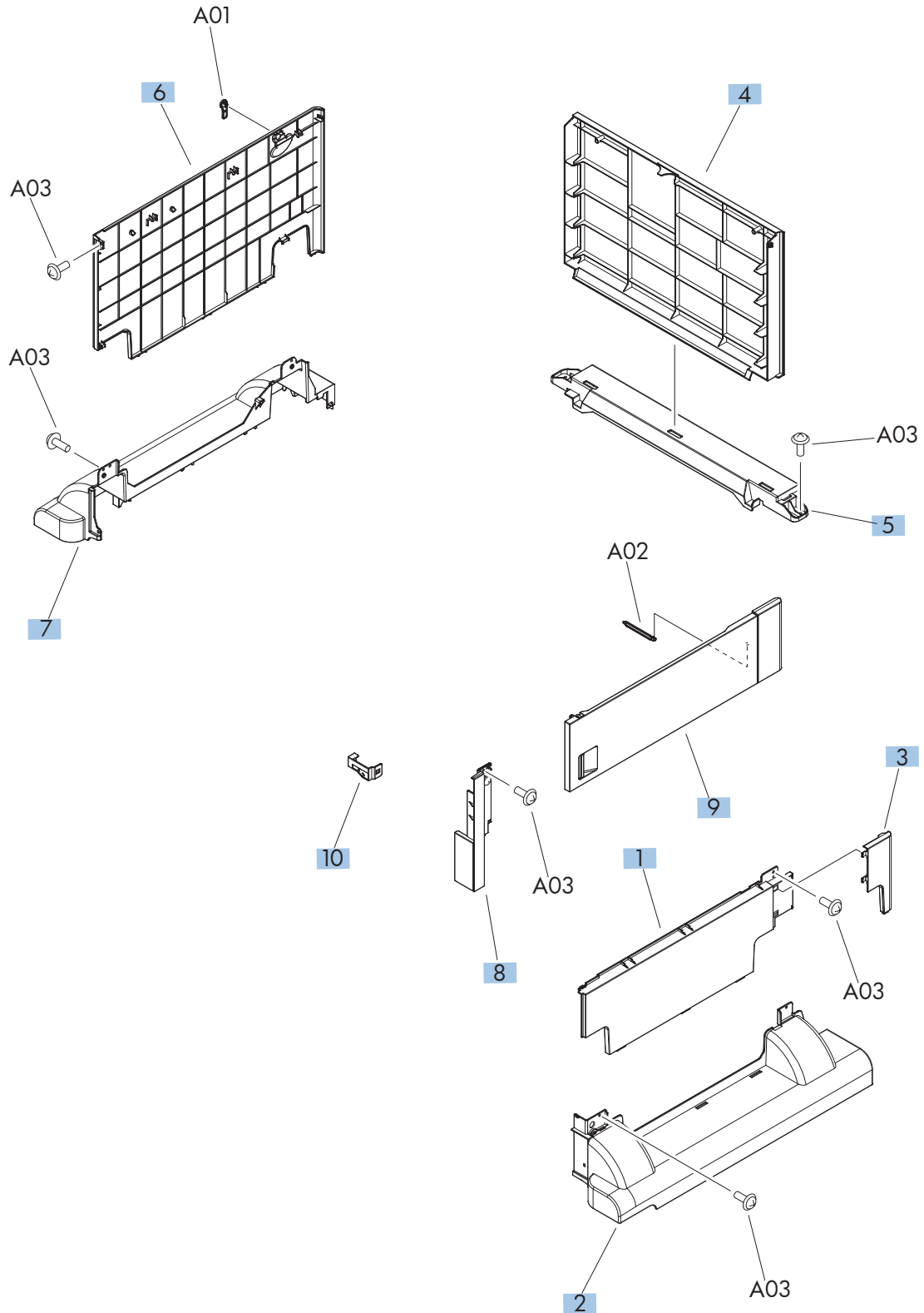


Table 2-21 HCI covers

Ref	Description	Part number	Qty
	3,500-sheet HCI feeder assembly kit	CC235-67918	1
1	Cover, right center	RC3-3000-000CN	1
2	Cover, right lower	RC3-3001-000CN	1
3	Cover, right rear	RC3-3002-000CN	1
4	Cover, rear	RC3-3003-000CN	1
5	Cover, rear lower	RC3-3004-000CN	1
6	Cover, left	RC3-3005-000CN	1
7	Cover, left lower	RC3-3006-000CN	1
8	Cover, corner, right	RC3-3009-000CN	1
9	Right door assembly	RM1-8868-000CN	1
10	Right front lock cover assembly	RM1-9416-000CN	1

HCI components (1 of 2)

Figure 2-18 HCI components (1 of 2)

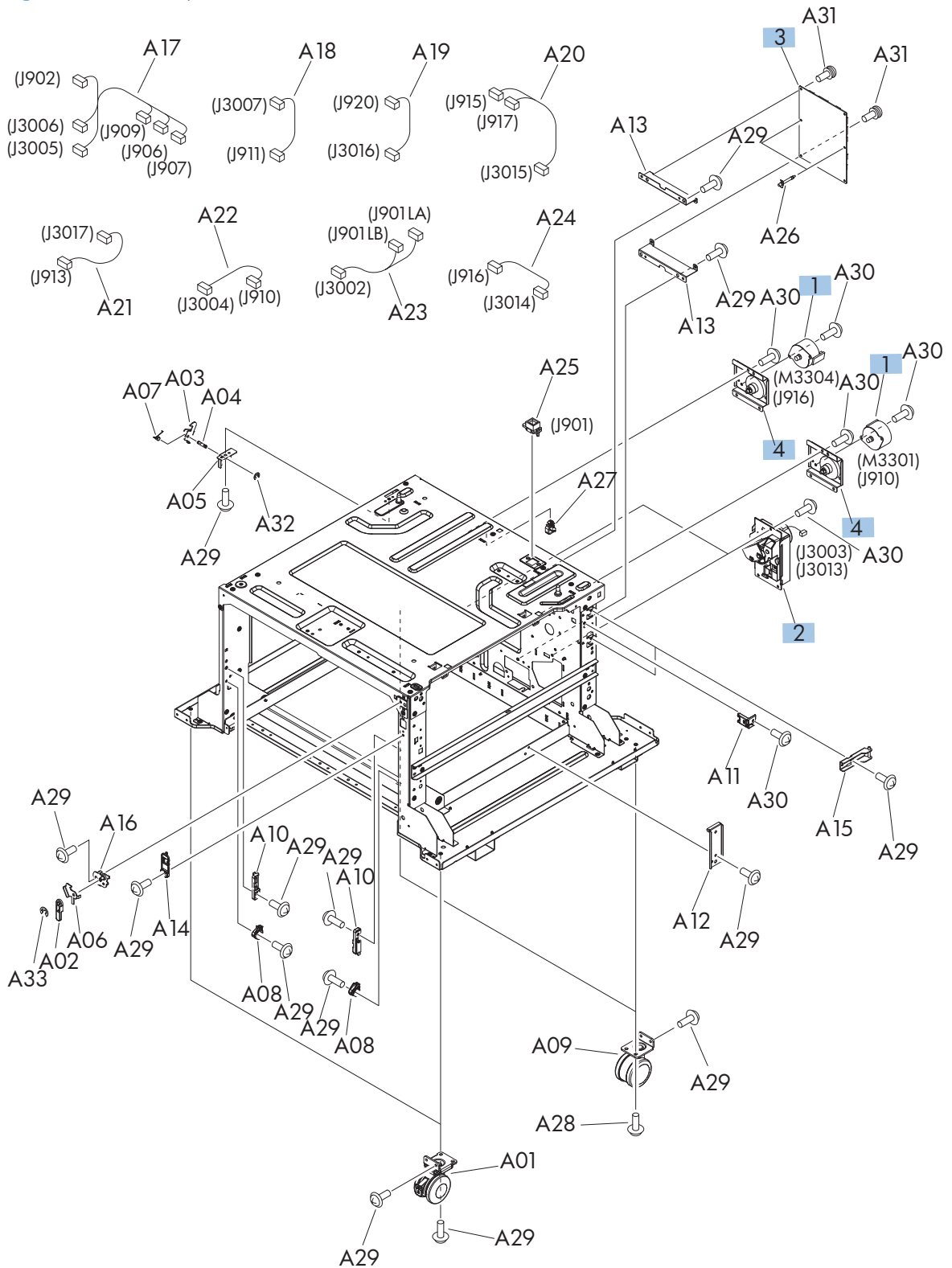


Table 2-22 HCl components (1 of 2)

Ref	Description	Part number	Qty
1	Motor, stepping, DC	RK2-1331-000CN	2
2	Lifter drive assembly	RM1-8879-000CN	2
3	Controller PCA	RM1-9057-000CN	1
4	Paper pickup motor assembly	RM1-8872-000CN	2

HCI components (2 of 2)

Figure 2-19 HCI components (2 of 2)

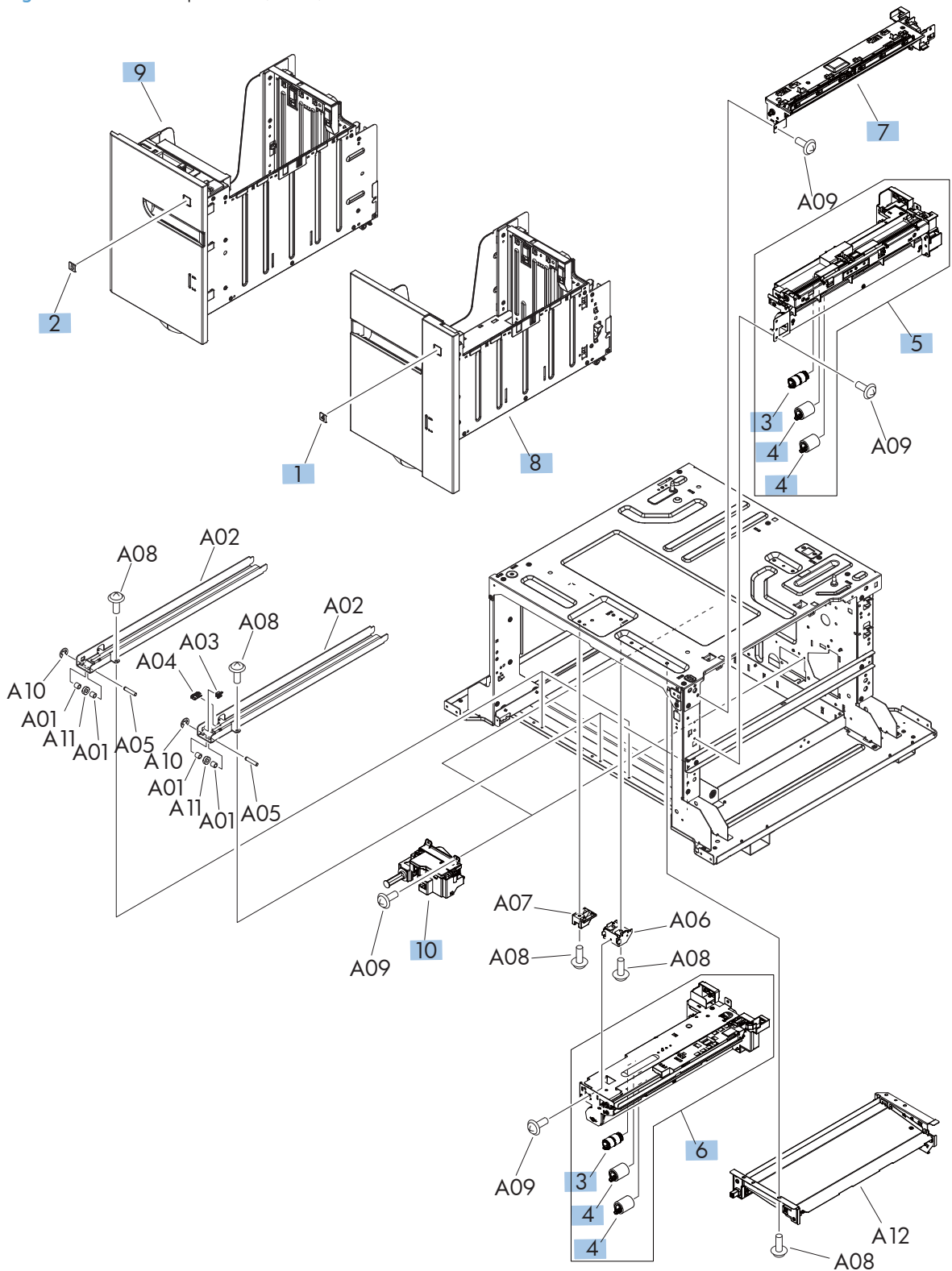


Table 2-23 HCl components (2 of 2)

Ref	Description	Part number	Qty
1	Labels, cassette numbers, Trays 4-6	CE707-00001	1
2	Labels, cassette numbers, Trays 4-6	CE707-00001	1
3	Roller, paper pickup (part of HCl pickup and feed roller kit)	5851-5011	2
4	Paper feed roller assembly (part of HCl pickup and feed roller kit)	5851-5011	4
5	Paper pickup assembly, right	RM1-8869-000CN	1
6	Paper pickup assembly, left	RM1-8876-000CN	1
7	Crossing paper feed assembly	RM1-8888-000CN	1
8	Tray, right assembly kit, with Trays 4-6 tray label kit	CF235-60104	1
9	Tray, left assembly kit, with Trays 4-6 tray label kit	CF235-60103	1
10	Auto close assembly	RM1-8880-000CN	2

Fasteners used in this product

NOTE: The screw illustrations in the following table are for reference only. Screws might vary in size and appearance from those shown in this table.

Table 2-24 Common fasteners

Example	Description	Size	Part Number
	Screw, tapping, truss head	M4X10	XB4-7401-005CN
	Screw, D	M3X8	XA9-1671-000CN

Alphabetical parts list

Table 2-25 Alphabetical parts list

Description	Part number	Table and page
1x500 feeder and stand assembly kit	CF235-67915	1x500 and 3x500 paper deck covers on page 175
3,500-sheet HCI feeder assembly kit	CC235-67918	HCI covers on page 181
3x500 feeder and stand assembly kit	CF235-67916	1x500 and 3x500 paper deck covers on page 175
Auto close assembly	RM1-8880-000CN	HCI components (2 of 2) on page 185
Back end sensor	RM1-2968-000CN	Internal components (3 of 4) on page 167
Cable, door open switch	RM1-3651-000CN	3x500 paper deck components on page 179
Cable, engine interface	RM1-6991-000CN	1x500 paper deck components on page 177
Cable, engine interface	RM1-6991-000CN	3x500 paper deck components on page 179
Cable, flexible flat, 15P	RK2-4496-000CN	Internal components (4 of 4) on page 169
Cable, flexible flat, 21P	RK2-4490-000CN	Internal components (4 of 4) on page 169
Cable, flexible flat, 23P	RK2-4492-000CN	Internal components (4 of 4) on page 169
Cable, flexible flat, 25P	RK2-4494-000CN	Internal components (4 of 4) on page 169
Cable, multi sensor	RM1-3647-000CN	3x500 paper deck components on page 179
Cable, multi, front	RM1-8971-000CN	Internal components (2 of 4) on page 165
Cable, multisensor	RM1-3647-000CN	1x500 paper deck components on page 177
Cable, paper pickup option	RM1-3575-000CN	1x500 paper deck components on page 177
Cable, paper pickup option	RM1-3575-000CN	3x500 paper deck components on page 179
Cable, PCA joint	RM1-6992-000CN	3x500 paper deck components on page 179
Cap, USB	RC3-2264-000CN	External covers and panels on page 161
Cartridge door assembly	RM1-8660-000CN	External covers and panels on page 161
Cartridge door open switch	WC2-5637-000CN	Internal components (2 of 4) on page 165

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Cassette assembly	RM1-9413-000CN	500-sheet paper feeder (Tray 4) components on page 173
Cassette assembly kit, with Trays 4-6 label kit	CF235-67917	1x500 paper deck components on page 177
Cassette assembly kit, with Trays 4-6 label kit	CF235-67917	3x500 paper deck components on page 179
Caster, double lock, front	RC1-9896-000CN	1x500 paper deck components on page 177
Caster, double lock, front	RC1-9896-000CN	3x500 paper deck components on page 179
Caster, rear	RC3-2994-000CN	1x500 paper deck components on page 177
Caster, rear	RC3-2994-000CN	3x500 paper deck components on page 179
Clutch, electromagnetic	RM1-8946-000CN	Internal components (1 of 3) (print engine) on page 163
Clutch, electromagnetic	RM1-8946-000CN	Internal components (2 of 4) on page 165
Connector, 8P	VS1-7514-008CN	500-sheet paper feeder (Tray 4) components on page 173
Connector, 8P	VS1-7500-008CN	500-sheet paper feeder (Tray 4) components on page 173
Connector, 8P	VS1-7500-008CN	1x500 paper deck components on page 177
Connector, 8P	VS1-7500-008CN	3x500 paper deck components on page 179
Control panel assembly	RM1-8940-000CN	External covers and panels on page 161
Controller PCA	RM1-9075-000CN	1x500 paper deck components on page 177
Controller PCA	RM1-9076-000CN	3x500 paper deck components on page 179
Controller PCA	RM1-9057-000CN	HCI components (1 of 2) on page 183
Cover, corner, right	RC3-3009-000CN	HCI covers on page 181
Cover, duplexer	RC3-2280-000CN	External covers and panels on page 161
Cover, facedown, side	RC3-2219-000CN	External covers and panels on page 161
Cover, front, left lower	RC3-2134-000CN	External covers and panels on page 161
Cover, front, right lower	RC3-2133-000CN	External covers and panels on page 161

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Cover, handle lower	RC2-9332-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Cover, HIP	RC3-3231-000CN	External covers and panels on page 161
Cover, left	RC2-9331-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Cover, left	RC2-9349-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, left	RC3-3005-000CN	HCI covers on page 181
Cover, left handle	RC3-2156-000CN	External covers and panels on page 161
Cover, left lower	RC2-9350-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, left lower	RC3-3006-000CN	HCI covers on page 181
Cover, left roof	RC3-2224-000CN	External covers and panels on page 161
Cover, left side, front, lower	RC3-2154-000CN	External covers and panels on page 161
Cover, left side, rear, lower	RC3-2155-000CN	External covers and panels on page 161
Cover, left, upper	RC3-2272-000CN	External covers and panels on page 161
Cover, output upper	RC3-2225-000CN	External covers and panels on page 161
Cover, pocket rear	RC3-2220-000CN	External covers and panels on page 161
Cover, rear	RC3-2138-000CN	External covers and panels on page 161
Cover, rear	RC2-9330-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Cover, rear	RC2-9348-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, rear	RC3-3003-000CN	HCI covers on page 181
Cover, rear lower	RC2-9357-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, rear lower	RC3-3004-000CN	HCI covers on page 181
Cover, right center	RC3-3000-000CN	HCI covers on page 181
Cover, right corner	RC2-9343-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, right front	RC2-9320-000CN	500-sheet paper feeder (Tray 4) covers on page 171

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Cover, right handle	RC3-2153-000CN	External covers and panels on page 161
Cover, right lower	RC3-3001-000CN	HCI covers on page 181
Cover, right lower, 1	RC2-9346-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, right lower, 2	RC2-9347-000CN	1x500 and 3x500 paper deck covers on page 175
Cover, right rear	RC3-3002-000CN	HCI covers on page 181
Cover, right side, rear	RC3-2148-000CN	External covers and panels on page 161
Cover, top	RC3-2223-000CN	External covers and panels on page 161
Cover, top rear	RC3-2221-000CN	External covers and panels on page 161
Cover, upper left	RC3-2222-000CN	External covers and panels on page 161
Crossing paper feed assembly	RM1-8888-000CN	HCI components (2 of 2) on page 185
DC controller PCA	RM1-8934-000CN	Internal components (4 of 4) on page 169
Door, stock, 1 (1x500 paper deck only)	RC2-9353-000CN	1x500 and 3x500 paper deck covers on page 175
Door, stock, 2 (1x500 paper deck only)	RC2-9354-000CN	1x500 and 3x500 paper deck covers on page 175
Facedown cover assembly	RM1-8654-000CN	External covers and panels on page 161
Fan	RK2-1092-000CN	Internal components (2 of 4) on page 165
Fan	RK2-3244-000CN	Internal components (2 of 4) on page 165
Fan	RK2-2416-000CN	Internal components (4 of 4) on page 169
Formatter cage	RM1-8683-000CN	Internal components (4 of 4) on page 169
Front cover assembly kit (includes product labels)	CF235-67905	External covers and panels on page 161
Front lower cover assembly	RM1-6958-000CN	1x500 and 3x500 paper deck covers on page 175
Front upper cover assembly	RM1-6949-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Front upper cover assembly	RM1-6949-000CN	1x500 and 3x500 paper deck covers on page 175

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Fuser assembly kit (110V)	CF235-67921	Internal components (3 of 4) on page 167
Fuser assembly kit (220V)	CF235-67922	Internal components (3 of 4) on page 167
Fuser drive assembly	RM1-2963-000CN	Internal components (3 of 4) on page 167
Fuser motor assembly	RM1-2538-000CN	Internal components (3 of 4) on page 167
Gear, 133T	RU7-0350-000CN	Internal components (1 of 3) (print engine) on page 163
Handle, lock, rear	RC2-9303-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Handle, lock, rear	RC2-9303-000CN	1x500 and 3x500 paper deck covers on page 175
High voltage power supply (110V)	RM2-7538-000CN	Internal components (4 of 4) on page 169
High voltage power supply (220V)	RM2-7539-000CN	Internal components (4 of 4) on page 169
Labels, cassette numbers, Trays 4-6	CE707-00001	HCl components (2 of 2) on page 185
Labels, cassette numbers, Trays 4-6	CE707-00001	HCl components (2 of 2) on page 185
Labels, cassette numbers, Trays 4-6	CE707-00001	500-sheet paper feeder (Tray 4) components on page 173
Labels, cassette numbers, Trays 4-6	CE707-00001	1x500 paper deck components on page 177
Labels, cassette numbers, Trays 4-6	CE707-00001	3x500 paper deck components on page 179
Laser scanner assembly	RM1-8679-000CN	Internal components (2 of 4) on page 165
Left door assembly	RM1-8680-000CN	External covers and panels on page 161
Lifter drive assembly	RM1-2969-000CN	Internal components (3 of 4) on page 167
Lifter drive assembly	RM1-3819-000CN	500-sheet paper feeder (Tray 4) components on page 173
Lifter drive assembly	RM1-3819-000CN	1x500 paper deck components on page 177
Lifter drive assembly	RM1-3819-000CN	3x500 paper deck components on page 179
Lifter drive assembly	RM1-8879-000CN	HCl components (1 of 2) on page 183

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Link, right door, lower	RC2-9327-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Link, right door, lower	RC2-9327-000CN	1x500 and 3x500 paper deck covers on page 175
Link, right door, upper	RC2-9335-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Link, right door, upper	RC2-9335-000CN	1x500 and 3x500 paper deck covers on page 175
Low voltage power supply (110V)	RM1-8744-000CN	Internal components (4 of 4) on page 169
Low voltage power supply (220V)	RM1-8745-000CN	Internal components (4 of 4) on page 169
Lower cassette (Tray 3) assembly kit	CF235-67912	Internal components (3 of 4) on page 167
Lower cassette (Tray 3) pickup assembly	RM2-0183-000CN	Internal components (2 of 4) on page 165
Main drive assembly	RM2-0184-000CN	Internal components (1 of 3) (print engine) on page 163
Motor, stepping, DC	RK2-1331-000CN	500-sheet paper feeder (Tray 4) components on page 173
Motor, stepping, DC	RK2-1331-000CN	1x500 paper deck components on page 177
Motor, stepping, DC	RK2-1331-000CN	3x500 paper deck components on page 179
Motor, stepping, DC	RK2-1331-000CN	HCI components (1 of 2) on page 183
Multipurpose cover assembly	RM1-8662-000CN	External covers and panels on page 161
Multipurpose pad assembly (part of Tray 1 pickup roller and separation pad kit)	CF235-67906	External covers and panels on page 161
Optional 500-sheet tray and feeder assembly kit	CF235-67914	500-sheet paper feeder (Tray 4) covers on page 171
Optional duplexer assembly	CF235-67913	Internal components (3 of 4) on page 167
Paper delivery assembly	RM1-8669-000CN	Internal components (3 of 4) on page 167
Paper feed assembly	RM1-8741-000CN	Internal components (1 of 3) (print engine) on page 163
Paper feed roller assembly (part of HCI pickup and feed roller kit)	5851-5011	HCI components (2 of 2) on page 185
Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	500-sheet paper feeder (Tray 4) components on page 173

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	1x500 paper deck components on page 177
Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	3x500 paper deck components on page 179
Paper feeder controller PCA	RM1-9074-000CN	500-sheet paper feeder (Tray 4) components on page 173
Paper pickup assembly	RM1-9415-000CN	500-sheet paper feeder (Tray 4) components on page 173
Paper pickup assembly	RM1-9415-000CN	1x500 paper deck components on page 177
Paper pickup assembly	RM1-9415-000CN	3x500 paper deck components on page 179
Paper pickup assembly, left	RM1-8876-000CN	HCl components (2 of 2) on page 185
Paper pickup assembly, right	RM1-8869-000CN	HCl components (2 of 2) on page 185
Paper pickup motor assembly	RM1-8872-000CN	HCl components (1 of 2) on page 183
Photointerrupter	WG8-5935-000CN	Internal components (1 of 3) (print engine) on page 163
Photointerrupter	WG8-5935-000CN	Internal components (3 of 4) on page 167
Power switch PCA	RM2-7561-000CN	Internal components (3 of 4) on page 167
Rail, cassette, left	RL1-1391-000CN	1x500 paper deck components on page 177
Rail, cassette, left	RL1-1391-000CN	3x500 paper deck components on page 179
Rail, cassette, right	RL1-1390-000CN	1x500 paper deck components on page 177
Rail, cassette, right	RL1-1390-000CN	3x500 paper deck components on page 179
Registration assembly	RM1-8671-000CN	Internal components (1 of 3) (print engine) on page 163
Right door assembly	RM1-8657-000CN	External covers and panels on page 161
Right door assembly	RM1-6946-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Right door assembly	RM1-8868-000CN	HCl covers on page 181
Right door assembly (1x500 paper deck)	RM1-6952-000CN	1x500 and 3x500 paper deck covers on page 175
Right door assembly (3x500 paper deck)	RM1-6953-000CN	1x500 and 3x500 paper deck covers on page 175

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Right front lock cover assembly	RM1-9416-000CN	HCl covers on page 181
Right lower cover assembly	RM1-6948-000CN	500-sheet paper feeder (Tray 4) covers on page 171
Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	Internal components (1 of 3) (print engine) on page 163
Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	Internal components (2 of 4) on page 165
Roller, paper pickup (part of HCl pickup and feed roller kit)	5851-5011	HCl components (2 of 2) on page 185
Roller, paper pickup, multipurpose tray (part of Tray 1 pickup roller and separation pad kit)	CF235-67906	External covers and panels on page 161
Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	500-sheet paper feeder (Tray 4) components on page 173
Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	1x500 paper deck components on page 177
Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	CC522-67909	3x500 paper deck components on page 179
Screw, stepped	RU5-9056-000CN	1x500 and 3x500 paper deck covers on page 175
Sensor, humidity	WP2-5316-000CN	Internal components (2 of 4) on page 165
Separation pad assembly (part of Tray 2 or 3 pickup roller and separation pad kit)	CF235-67909	Internal components (3 of 4) on page 167
Spring, tension	RU5-2632-000CN	Internal components (1 of 3) (print engine) on page 163
Stock box assembly	RM1-6954-000CN	1x500 paper deck components on page 177
Stopper, link	RC3-2212-000CN	Internal components (1 of 3) (print engine) on page 163
Switch, button	WC2-5512-000CN	500-sheet paper feeder (Tray 4) components on page 173
Switch, button	WC2-5512-000CN	3x500 paper deck components on page 179
Switch, cartridge door	RM1-3471-000CN	Internal components (4 of 4) on page 169
Switch, fuser (left) door	RM1-3474-000CN	Internal components (4 of 4) on page 169
Transfer roller assembly kit	CF235-67910	Internal components (1 of 3) (print engine) on page 163
Tray, left assembly kit, with Trays 4-6 tray label kit	CF235-60103	HCl components (2 of 2) on page 185
Tray, right assembly kit, with Trays 4-6 tray label kit	CF235-60104	HCl components (2 of 2) on page 185

Table 2-25 Alphabetical parts list (continued)

Description	Part number	Table and page
Upper cassette (Tray 2) assembly kit	CF235-67911	Internal components (3 of 4) on page 167
Upper cassette (Tray 2) pickup assembly	RM2-0182-000CN	Internal components (1 of 3) (print engine) on page 163
USB PCA	RM1-8937-000CN	Internal components (3 of 4) on page 167

Numerical parts list

Table 2-26 Numerical parts list

Part number	Description	Table and page
5851-5011	Roller, paper pickup (part of HCI pickup and feed roller kit)	HCI components (2 of 2) on page 185
5851-5011	Paper feed roller assembly (part of HCI pickup and feed roller kit)	HCI components (2 of 2) on page 185
CC235-67918	3,500-sheet HCI feeder assembly kit	HCI covers on page 181
CC522-67909	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	500-sheet paper feeder (Tray 4) components on page 173
CC522-67909	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	500-sheet paper feeder (Tray 4) components on page 173
CC522-67909	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	1x500 paper deck components on page 177
CC522-67909	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	1x500 paper deck components on page 177
CC522-67909	Roller, pickup (part of Trays 4,5 and 6 pickup and feed roller kit)	3x500 paper deck components on page 179
CC522-67909	Paper feed roller assembly (part of Trays 4,5 and 6 pickup and feed roller kit)	3x500 paper deck components on page 179
CE707-00001	Labels, cassette numbers, Trays 4-6	500-sheet paper feeder (Tray 4) components on page 173
CE707-00001	Labels, cassette numbers, Trays 4-6	1x500 paper deck components on page 177
CE707-00001	Labels, cassette numbers, Trays 4-6	3x500 paper deck components on page 179
CE707-00001	Labels, cassette numbers, Trays 4-6	HCI components (2 of 2) on page 185
CE707-00001	Labels, cassette numbers, Trays 4-6	HCI components (2 of 2) on page 185
CF235-60103	Tray, left assembly kit, with Trays 4-6 tray label kit	HCI components (2 of 2) on page 185
CF235-60104	Tray, right assembly kit, with Trays 4-6 tray label kit	HCI components (2 of 2) on page 185
CF235-67905	Front cover assembly kit (includes product labels)	External covers and panels on page 161
CF235-67906	Roller, paper pickup, multipurpose tray (part of Tray 1 pickup roller and separation pad kit)	External covers and panels on page 161
CF235-67906	Multipurpose pad assembly (part of Tray 1 pickup roller and separation pad kit)	External covers and panels on page 161
CF235-67909	Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	Internal components (1 of 3) (print engine) on page 163
CF235-67909	Roller, cassette pickup (part of Tray 2 or 3 pickup roller and separation pad kit)	Internal components (2 of 4) on page 165

Table 2-26 Numerical parts list (continued)

Part number	Description	Table and page
CF235-67909	Separation pad assembly (part of Tray 2 or 3 pickup roller and separation pad kit)	Internal components (3 of 4) on page 167
CF235-67910	Transfer roller assembly kit	Internal components (1 of 3) (print engine) on page 163
CF235-67911	Upper cassette (Tray 2) assembly kit	Internal components (3 of 4) on page 167
CF235-67912	Lower cassette (Tray 3) assembly kit	Internal components (3 of 4) on page 167
CF235-67913	Optional duplexer assembly	Internal components (3 of 4) on page 167
CF235-67914	Optional 500-sheet tray and feeder assembly kit	500-sheet paper feeder (Tray 4) covers on page 171
CF235-67915	1x500 feeder and stand assembly kit	1x500 and 3x500 paper deck covers on page 175
CF235-67916	3x500 feeder and stand assembly kit	1x500 and 3x500 paper deck covers on page 175
CF235-67917	Cassette assembly kit, with Trays 4-6 label kit	1x500 paper deck components on page 177
CF235-67917	Cassette assembly kit, with Trays 4-6 label kit	3x500 paper deck components on page 179
CF235-67921	Fuser assembly kit (110V)	Internal components (3 of 4) on page 167
CF235-67922	Fuser assembly kit (220V)	Internal components (3 of 4) on page 167
RC1-9896-000CN	Caster, double lock, front	1x500 paper deck components on page 177
RC1-9896-000CN	Caster, double lock, front	3x500 paper deck components on page 179
RC2-9303-000CN	Handle, lock, rear	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9303-000CN	Handle, lock, rear	1x500 and 3x500 paper deck covers on page 175
RC2-9320-000CN	Cover, right front	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9327-000CN	Link, right door, lower	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9327-000CN	Link, right door, lower	1x500 and 3x500 paper deck covers on page 175
RC2-9330-000CN	Cover, rear	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9331-000CN	Cover, left	500-sheet paper feeder (Tray 4) covers on page 171

Table 2-26 Numerical parts list (continued)

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RC2-9332-000CN	Cover, handle lower	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9335-000CN	Link, right door, upper	500-sheet paper feeder (Tray 4) covers on page 171
RC2-9335-000CN	Link, right door, upper	1x500 and 3x500 paper deck covers on page 175
RC2-9343-000CN	Cover, right corner	1x500 and 3x500 paper deck covers on page 175
RC2-9346-000CN	Cover, right lower, 1	1x500 and 3x500 paper deck covers on page 175
RC2-9347-000CN	Cover, right lower, 2	1x500 and 3x500 paper deck covers on page 175
RC2-9348-000CN	Cover, rear	1x500 and 3x500 paper deck covers on page 175
RC2-9349-000CN	Cover, left	1x500 and 3x500 paper deck covers on page 175
RC2-9350-000CN	Cover, left lower	1x500 and 3x500 paper deck covers on page 175
RC2-9353-000CN	Door, stock, 1 (1x500 paper deck only)	1x500 and 3x500 paper deck covers on page 175
RC2-9354-000CN	Door, stock, 2 (1x500 paper deck only)	1x500 and 3x500 paper deck covers on page 175
RC2-9357-000CN	Cover, rear lower	1x500 and 3x500 paper deck covers on page 175
RC3-2133-000CN	Cover, front, right lower	External covers and panels on page 161
RC3-2134-000CN	Cover, front, left lower	External covers and panels on page 161
RC3-2138-000CN	Cover, rear	External covers and panels on page 161
RC3-2148-000CN	Cover, right side, rear	External covers and panels on page 161
RC3-2153-000CN	Cover, right handle	External covers and panels on page 161
RC3-2154-000CN	Cover, left side, front, lower	External covers and panels on page 161
RC3-2155-000CN	Cover, left side, rear, lower	External covers and panels on page 161
RC3-2156-000CN	Cover, left handle	External covers and panels on page 161
RC3-2212-000CN	Stopper, link	Internal components (1 of 3) (print engine) on page 163

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RC3-2219-000CN	Cover, facedown, side	External covers and panels on page 161
RC3-2220-000CN	Cover, pocket rear	External covers and panels on page 161
RC3-2221-000CN	Cover, top rear	External covers and panels on page 161
RC3-2222-000CN	Cover, upper left	External covers and panels on page 161
RC3-2223-000CN	Cover, top	External covers and panels on page 161
RC3-2224-000CN	Cover, left roof	External covers and panels on page 161
RC3-2225-000CN	Cover, output upper	External covers and panels on page 161
RC3-2264-000CN	Cap, USB	External covers and panels on page 161
RC3-2272-000CN	Cover, left, upper	External covers and panels on page 161
RC3-2280-000CN	Cover, duplexer	External covers and panels on page 161
RC3-2994-000CN	Caster, rear	1x500 paper deck components on page 177
RC3-2994-000CN	Caster, rear	3x500 paper deck components on page 179
RC3-3000-000CN	Cover, right center	HCI covers on page 181
RC3-3001-000CN	Cover, right lower	HCI covers on page 181
RC3-3002-000CN	Cover, right rear	HCI covers on page 181
RC3-3003-000CN	Cover, rear	HCI covers on page 181
RC3-3004-000CN	Cover, rear lower	HCI covers on page 181
RC3-3005-000CN	Cover, left	HCI covers on page 181
RC3-3006-000CN	Cover, left lower	HCI covers on page 181
RC3-3009-000CN	Cover, corner, right	HCI covers on page 181
RC3-3231-000CN	Cover, HIP	External covers and panels on page 161
RK2-1092-000CN	Fan	Internal components (2 of 4) on page 165
RK2-1331-000CN	Motor, stepping, DC	500-sheet paper feeder (Tray 4) components on page 173
RK2-1331-000CN	Motor, stepping, DC	1x500 paper deck components on page 177

Table 2-26 Numerical parts list (continued)

Part number	Description	Table and page
RK2-1331-000CN	Motor, stepping, DC	3x500 paper deck components on page 179
RK2-1331-000CN	Motor, stepping, DC	HCI components (1 of 2) on page 183
RK2-2416-000CN	Fan	Internal components (4 of 4) on page 169
RK2-3244-000CN	Fan	Internal components (2 of 4) on page 165
RK2-4490-000CN	Cable, flexible flat, 21P	Internal components (4 of 4) on page 169
RK2-4492-000CN	Cable, flexible flat, 23P	Internal components (4 of 4) on page 169
RK2-4494-000CN	Cable, flexible flat, 25P	Internal components (4 of 4) on page 169
RK2-4496-000CN	Cable, flexible flat, 15P	Internal components (4 of 4) on page 169
RL1-1390-000CN	Rail, cassette, right	1x500 paper deck components on page 177
RL1-1390-000CN	Rail, cassette, right	3x500 paper deck components on page 179
RL1-1391-000CN	Rail, cassette, left	1x500 paper deck components on page 177
RL1-1391-000CN	Rail, cassette, left	3x500 paper deck components on page 179
RM1-2538-000CN	Fuser motor assembly	Internal components (3 of 4) on page 167
RM1-2963-000CN	Fuser drive assembly	Internal components (3 of 4) on page 167
RM1-2968-000CN	Back end sensor	Internal components (3 of 4) on page 167
RM1-2969-000CN	Lifter drive assembly	Internal components (3 of 4) on page 167
RM1-3471-000CN	Switch, cartridge door	Internal components (4 of 4) on page 169
RM1-3474-000CN	Switch, fuser (left) door	Internal components (4 of 4) on page 169
RM1-3575-000CN	Cable, paper pickup option	1x500 paper deck components on page 177
RM1-3575-000CN	Cable, paper pickup option	3x500 paper deck components on page 179
RM1-3647-000CN	Cable, multisensor	1x500 paper deck components on page 177

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RM1-3647-000CN	Cable, multi sensor	3x500 paper deck components on page 179
RM1-3651-000CN	Cable, door open switch	3x500 paper deck components on page 179
RM1-3819-000CN	Lifter drive assembly	500-sheet paper feeder (Tray 4) components on page 173
RM1-3819-000CN	Lifter drive assembly	1x500 paper deck components on page 177
RM1-3819-000CN	Lifter drive assembly	3x500 paper deck components on page 179
RM1-6946-000CN	Right door assembly	500-sheet paper feeder (Tray 4) covers on page 171
RM1-6948-000CN	Right lower cover assembly	500-sheet paper feeder (Tray 4) covers on page 171
RM1-6949-000CN	Front upper cover assembly	500-sheet paper feeder (Tray 4) covers on page 171
RM1-6949-000CN	Front upper cover assembly	1x500 and 3x500 paper deck covers on page 175
RM1-6952-000CN	Right door assembly (1x500 paper deck)	1x500 and 3x500 paper deck covers on page 175
RM1-6953-000CN	Right door assembly (3x500 paper deck)	1x500 and 3x500 paper deck covers on page 175
RM1-6954-000CN	Stock box assembly	1x500 paper deck components on page 177
RM1-6958-000CN	Front lower cover assembly	1x500 and 3x500 paper deck covers on page 175
RM1-6991-000CN	Cable, engine interface	1x500 paper deck components on page 177
RM1-6991-000CN	Cable, engine interface	3x500 paper deck components on page 179
RM1-6992-000CN	Cable, PCA joint	3x500 paper deck components on page 179
RM1-8654-000CN	Facedown cover assembly	External covers and panels on page 161
RM1-8657-000CN	Right door assembly	External covers and panels on page 161
RM1-8660-000CN	Cartridge door assembly	External covers and panels on page 161
RM1-8662-000CN	Multipurpose cover assembly	External covers and panels on page 161
RM1-8669-000CN	Paper delivery assembly	Internal components (3 of 4) on page 167

Table 2-26 Numerical parts list (continued)

Part number	Description	Table and page
RM1-8671-000CN	Registration assembly	Internal components (1 of 3) (print engine) on page 163
RM1-8679-000CN	Laser scanner assembly	Internal components (2 of 4) on page 165
RM1-8680-000CN	Left door assembly	External covers and panels on page 161
RM1-8683-000CN	Formatter cage	Internal components (4 of 4) on page 169
RM1-8741-000CN	Paper feed assembly	Internal components (1 of 3) (print engine) on page 163
RM1-8744-000CN	Low voltage power supply (110V)	Internal components (4 of 4) on page 169
RM1-8745-000CN	Low voltage power supply (220V)	Internal components (4 of 4) on page 169
RM1-8868-000CN	Right door assembly	HCI covers on page 181
RM1-8869-000CN	Paper pickup assembly, right	HCI components (2 of 2) on page 185
RM1-8872-000CN	Paper pickup motor assembly	HCI components (1 of 2) on page 183
RM1-8876-000CN	Paper pickup assembly, left	HCI components (2 of 2) on page 185
RM1-8879-000CN	Lifter drive assembly	HCI components (1 of 2) on page 183
RM1-8880-000CN	Auto close assembly	HCI components (2 of 2) on page 185
RM1-8888-000CN	Crossing paper feed assembly	HCI components (2 of 2) on page 185
RM1-8934-000CN	DC controller PCA	Internal components (4 of 4) on page 169
RM1-8937-000CN	USB PCA	Internal components (3 of 4) on page 167
RM1-8940-000CN	Control panel assembly	External covers and panels on page 161
RM1-8946-000CN	Clutch, electromagnetic	Internal components (1 of 3) (print engine) on page 163
RM1-8946-000CN	Clutch, electromagnetic	Internal components (2 of 4) on page 165
RM1-8971-000CN	Cable, multi, front	Internal components (2 of 4) on page 165
RM1-9057-000CN	Controller PCA	HCI components (1 of 2) on page 183
RM1-9074-000CN	Paper feeder controller PCA	500-sheet paper feeder (Tray 4) components on page 173

Table 2-26 Numerical parts list (continued)

Part number	Description	Table and page
RM1-9075-000CN	Controller PCA	1x500 paper deck components on page 177
RM1-9076-000CN	Controller PCA	3x500 paper deck components on page 179
RM1-9413-000CN	Cassette assembly	500-sheet paper feeder (Tray 4) components on page 173
RM1-9415-000CN	Paper pickup assembly	500-sheet paper feeder (Tray 4) components on page 173
RM1-9415-000CN	Paper pickup assembly	1x500 paper deck components on page 177
RM1-9415-000CN	Paper pickup assembly	3x500 paper deck components on page 179
RM1-9416-000CN	Right front lock cover assembly	HCl covers on page 181
RM2-0182-000CN	Upper cassette (Tray 2) pickup assembly	Internal components (1 of 3) (print engine) on page 163
RM2-0183-000CN	Lower cassette (Tray 3) pickup assembly	Internal components (2 of 4) on page 165
RM2-0184-000CN	Main drive assembly	Internal components (1 of 3) (print engine) on page 163
RM2-7538-000CN	High voltage power supply (110V)	Internal components (4 of 4) on page 169
RM2-7539-000CN	High voltage power supply (220V)	Internal components (4 of 4) on page 169
RM2-7561-000CN	Power switch PCA	Internal components (3 of 4) on page 167
RU5-2632-000CN	Spring, tension	Internal components (1 of 3) (print engine) on page 163
RU5-9056-000CN	Screw, stepped	1x500 and 3x500 paper deck covers on page 175
RU7-0350-000CN	Gear, 133T	Internal components (1 of 3) (print engine) on page 163
VS1-7500-008CN	Connector, 8P	500-sheet paper feeder (Tray 4) components on page 173
VS1-7500-008CN	Connector, 8P	1x500 paper deck components on page 177
VS1-7500-008CN	Connector, 8P	3x500 paper deck components on page 179
VS1-7514-008CN	Connector, 8P	500-sheet paper feeder (Tray 4) components on page 173
WC2-5512-000CN	Switch, button	500-sheet paper feeder (Tray 4) components on page 173
WC2-5512-000CN	Switch, button	3x500 paper deck components on page 179

Table 2-26 Numerical parts list (continued)

Part number	Description	Table and page
WC2-5637-000CN	Cartridge door open switch	Internal components (2 of 4) on page 165
WG8-5935-000CN	Photointerrupter	Internal components (1 of 3) (print engine) on page 163
WG8-5935-000CN	Photointerrupter	Internal components (3 of 4) on page 167
WP2-5316-000CN	Sensor, humidity	Internal components (2 of 4) on page 165

A Addendum

Tray 1 upgrade

- [Introduction](#)
- [Step 1: Remove the existing lift plate and support tray assembly from the printer](#)
- [Step 2: Unpack the replacement assembly](#)
- [Step 3: Assemble the replacement lift plate and support tray assembly](#)
- [Step 3: Install the replacement assembly](#)
- [Step 4: Verify correct assembly installation](#)

Introduction

This document provides instructions about removing and replacing the existing Tray 1 lift plate and support tray assembly.



IMPORTANT: An HP service advisory (TCD#SIP83634) describes the printers that require this upgrade.

A metal support plate is installed on the underside of the lift plate. The lift plate and support tray assembly must be removed and replaced to avoid future problems.

Lift tray kit contents

- Plastic lift plate (1 each)
- Metal support tray (1 each)
- Screws (2 each)

Before performing service

Turn the printer power off

- Disconnect the power cable.

WARNING! To avoid damage to the printer, turn the printer off, wait 30 seconds, and then remove the power cord before attempting to service the printer.

Required tools

- #2 Phillips screwdriver with a magnetic tip

After performing service

Turn the printer power on

- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

Step 1: Remove the existing lift plate and support tray assembly from the printer

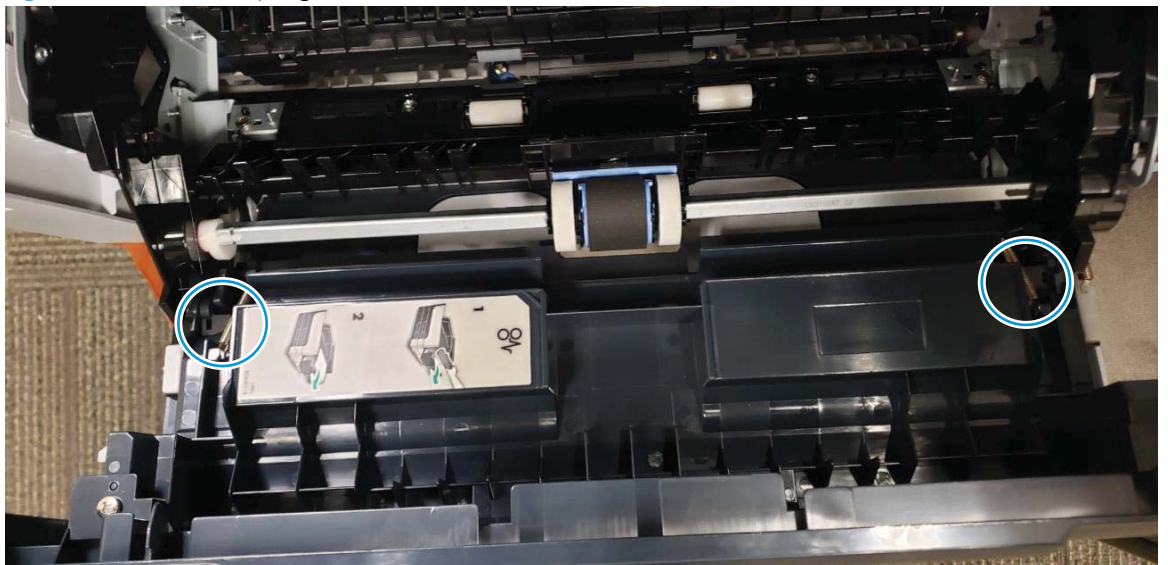
1. Open the toner cartridge door.

Figure A-1 Open the toner cartridge door



2. Locate the springs at each side of the door.

Figure A-2 Locate the springs



3. Release the springs at each side of the door.

Figure A-3 Release the springs



4. Close the toner cartridge door, and then open the MP door.

Figure A-4 Open the MP door



5. Remove the lift plate and support tray assembly. Do the following:
 - a. Slightly raise the MP door, and then carefully release the lift plate and support tray assembly from the door (this might require **carefully** flexing some parts to disengage them).

NOTE: The lift plate and support tray assembly is attached to the door at each side with pins, a keyed slot, and a keyed track.

Figure A-5 Release lift plate and support tray assembly



- b. Pull the lift plate and support tray assembly straight out and away from the door to remove it.

Figure A-6 Remove the lift plate and support tray assembly



- 6. Remove the lift plate springs from the assembly.

NOTE: Do not discard the springs.

Figure A-7 Retain the springs




Step 2: Unpack the replacement assembly

1. Dispose of the defective part.


NOTE: HP recommends responsible disposal of the defective part.

<http://www8.hp.com/us/en/hp-information/environment/product-recycling.html>

2. Unpack the replacement part from the packaging.

CAUTION:  Some parts are sensitive to electrostatic discharge (ESD). Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, touch the sheet-metal chassis to provide a static ground before touching an ESD-sensitive assembly. Protect the ESD-sensitive assemblies by placing them in ESD pouches when they are out of the printer.

If the replacement part is a roller or pad, avoid touching the spongy part of it. Skin oils on the roller or pad can cause paper pickup and/or print-quality problems. HP recommends using disposable gloves when handling rollers or pads or washing your hands before touching rollers or pads.

 **IMPORTANT:** Make sure that all of the shipping materials (for example shipping tape) are removed from the replacement part prior to installation.

3. To install an assembly, reverse the removal steps.

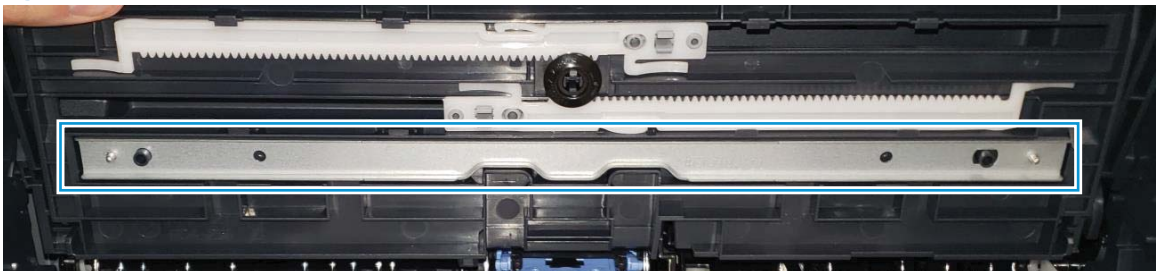
NOTE: When applicable, special installation instructions are provided for an assembly at the end of the removal procedure. Always completely read the removal instructions and follow all special installation instructions.

Step 3: Assemble the replacement lift plate and support tray assembly

1. Install the metal support plate (supplied in the kit) on the under side of the plastic lift plate (supplied in the kit) as shown below.

NOTE: When correctly installed, the metal ribs of the support plate face away from the plastic lift plate.

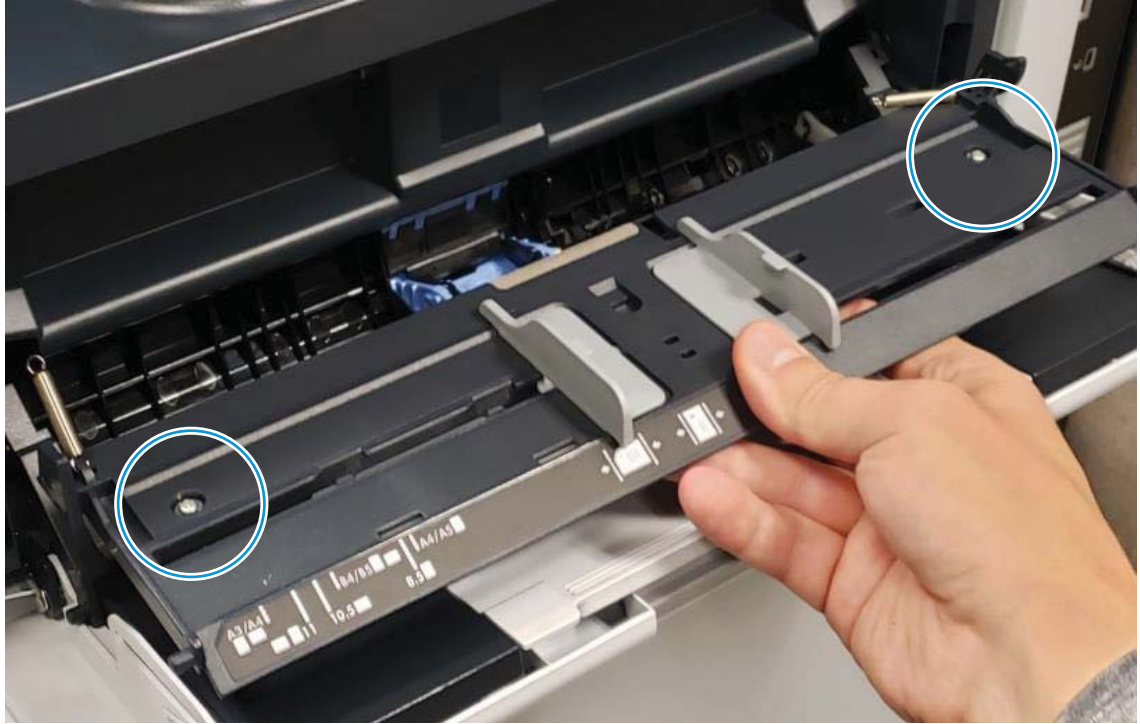
Figure A-8 Install the metal support plate



2. Turn the lift plate over (make sure that the metal support plate remains installed), and then install two screws (supplied with the kit).

NOTE: Torque these screws to 10 kg/cm (8.7 in-lbs).

Figure A-9 Install two screws



Step 3: Install the replacement assembly

1. Install the retained springs on the replacement lift plate and support tray assembly.

Figure A-10 Install the retained springs



2. Install the replacement lift plate and support tray assembly. Do the following:
 - a. Position the assembly near the MP door.

Figure A-11 Install the lift plate and support tray assembly



- b. Slightly raise the MP door, and then carefully install the lift plate and support tray assembly with the door (this might require **carefully** flexing some parts to engage them).

NOTE: The lift plate and support tray assembly attaches to the door at each side with pins, a keyed slot, and a keyed track.

Figure A-12 Engage the lift plate and support tray assembly and door




3. Close the MP door, open the toner cartridge door, and then reattach the springs.

Figure A-13 Reattach the springs



Step 4: Verify correct assembly installation

 **IMPORTANT:** Open the MP door and make sure that the installed replacement assembly appears level from side to side.

- The figure below shows an incorrectly installed assembly. The left side of the assembly is much higher than the right side.

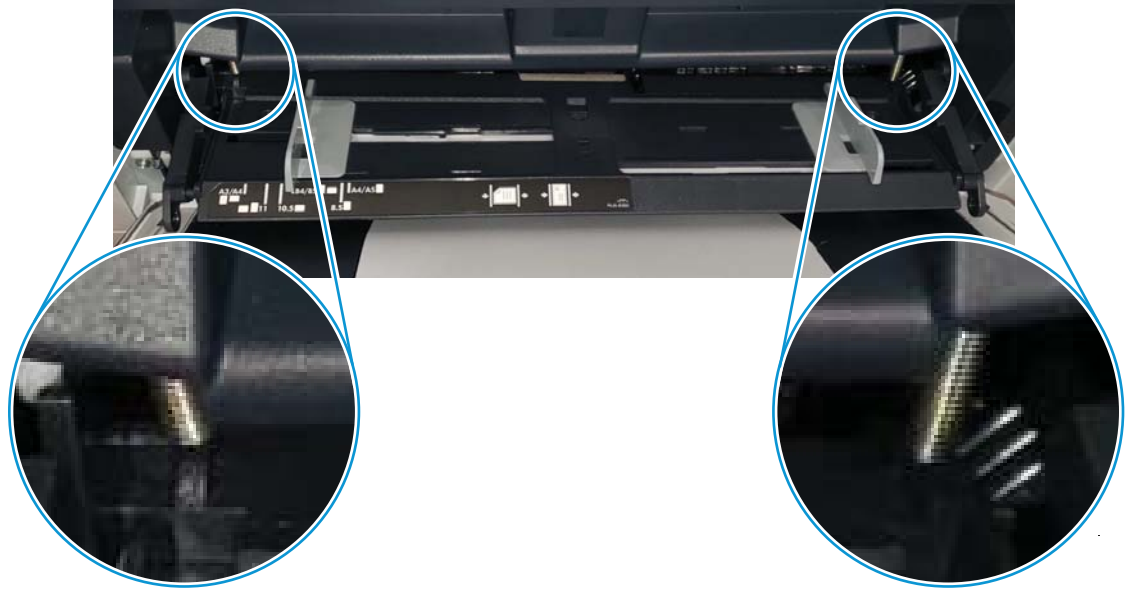
Figure A-14 Incorrect installation



- If the assembly is not level side to side, look at the areas circled in the figure below. Make sure that these two areas are even. A half-circle key fits into a slot on each side of the assembly.

TIP: At the high side of the assembly, try pressing on the rear portion of the plate to level the assembly and fix the problem.

Figure A-15 Adjust an incorrectly installed assembly



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