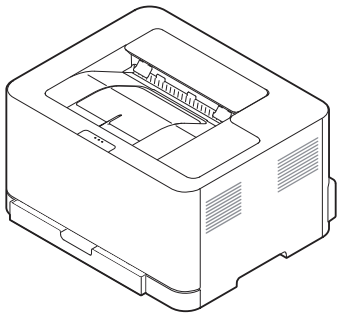
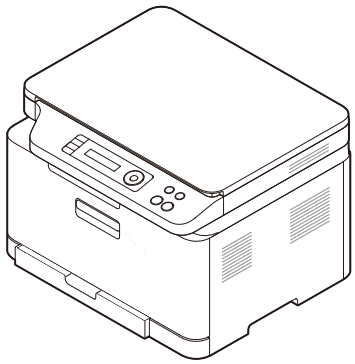
HP Color Laser 150 and Color Laser MFP 178 179

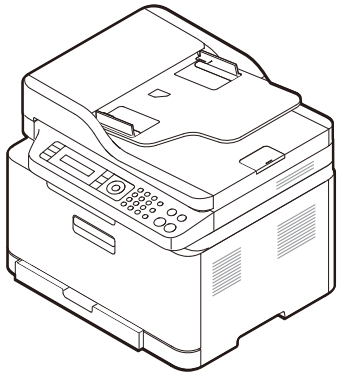
Service Manual: Repair



HP Color Laser 150a
HP Color Laser 150nw



HP Color Laser MFP 178nw
HP Color Laser MFP 178nwg



HP Color Laser MFP 179fnw
HP Color Laser MFP 179fwg

www.hp.com/support/colorlaser150
www.hp.com/support/colorlaser170MFP

HP Color Laser 150 and Color Laser MFP 178 179 - Service Manual : Repair

SUMMARY

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1 Removal and replacement

Removal and replacement strategy

Introduction

The printer uses a field repair strategy. Defective parts are diagnosed and replaced at the Field Replaceable Unit (FRU) or Bench Repair Unit (BRU) assembly level. Repair normally begins by using the printer internal diagnostics and the following two-step process:

1. Isolate the problem to the major system (for example, the network, server, or printer).
2. Identify the cause of failures according to the printer troubleshooting service manual and follow the disassembly procedures to replace the defective parts or the consumable parts.

IMPORTANT: See the separate Control Panel Message Document (CPMD) for this printer for control-panel error message descriptions and solutions (also available online).

After locating a faulty part, the printer can usually be repaired at the assembly level by replacing FRUs. Some mechanical assemblies might need to be repaired at the subassembly level. HP does not support replacement of components on the printed circuit assemblies (PCAs).

The user replaces supplies (toner cartridge) as they are depleted. Additional instructions about other userreplaceable parts are provided in this section.

The printer tracks the amount of use on the customer-replaceable supplies. The printer prompts the user to replace certain items when a supply is nearly depleted.

Swapping toner cartridges between products might cause a misrepresentation of supply life values and is not recommended.

Considerations during removal and replacement

This chapter describes the removal and replacement of FRUs/BRUs only.

Replacing FRUs/BRUs 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 printed-circuit assembly (PCA) component level.

WARNING! Never operate or service the printer with the protective cover removed from the laser scanner assembly. The reflected beam, although invisible, can cause damage to the eyes.

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

Before attempting to remove or replace parts, turn the printer off and remove the power cable. Never operate the printer with the parts removed from the printer.

Turn the printer off, wait 5 seconds, and then remove the power cord before attempting to service the printer. If this warning is not followed, severe injury can result as well as damage to the printer. The power must be on for certain functional checks during troubleshooting. However, the power cord must be disconnected during parts removal. AC voltage is still present inside the printer when the power switch is in the off position. The power cord must be disconnected before servicing the printer.

CAUTION: Incorrectly routed or loose wire harnesses might interfere with other internal components or assemblies and be damaged, pinched, or frayed. Make sure that wire harnesses are correctly routed and retained when installing assemblies.

Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Do not straighten pre-folds in the FFCs.

Do not expose the toner cartridge, or image drum, to strong light even for a short time.

IMPORTANT: When an assembly is removed that includes a rating plate or tag (or a printer code label), make sure to transfer the plate or tag (or code label) to the replacement assembly.

Do not replace the formatter and engine controller simultaneously during a single printer servicing. Doing so might cause the printer to become unstable or inoperable.

During removal, replacement, or transportation of the printer, remove the cassettes.

Some repair operations might require flattening or straightening FFCs. However, try to avoid doing so. Before inserting the FFC, examine the foil connectors for damage. FFCs must be fully seated in the connectors. Failure to fully seat a FFC into a connector can cause a short circuit in a PCA or errors when restarting the printer. FFCs have a line on them that is parallel to the connector body when the FFC is correctly seated.

NOTE: During assembly removal and replacement, or if the printer is moved, remove the toner cartridge.

Toner is a non-poisonous substance composed of plastic and a small number of colored components. If toner gets on the skin or clothing, wipe it off with dry tissue paper and wash in cold water. Hot water sets toner and it might be difficult, or impossible, to remove. Toner easily breaks down vinyl materials, so avoid letting toner contact vinyl.

Reassembling procedures are generally the reverse of removal unless otherwise specified. Occasionally, notes and tips are included to provide directions for difficult or critical replacement procedures.

Note the length, diameter, color, type, and location of each screw. Be sure to return each screw to its original location during reassembly.

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.

TIP: Some figures might show assemblies removed or installed that have not yet been removed or installed at that specific step. However, the procedures are correct for this printer and the target assembly. Always thoroughly read the instructions that accompany each figure.

Electrostatic discharge

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.

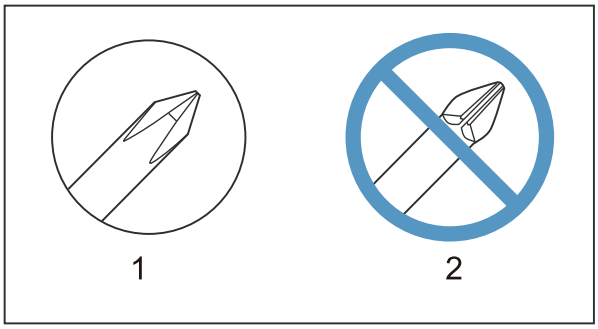
Protect the ESD-sensitive assemblies by placing them in ESD pouches when they are out of the printer.

Required tools

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



Fasteners used in this printer

WARNING! Make sure that assemblies 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 printer or interfere with printer operation. Do not intermix screws that are removed from one assembly with the screws that are removed from another assembly.

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.

Always take note of the length, diameter, color, type, and location of each removed screw. Make sure that screws are installed in the original location they were removed from during reinstallation.

Service approach

Before performing service

- Remove all paper from the product.
- Turn off the power using the power switch.
- Unplug the power cable and interface cable or cables.
- Place the product on an ESD workstation or mat, or use an ESD strap (if one is available). If an ESD workstation, mat, or strap is not available, ground yourself by touching the sheet-metal chassis before touching an ESD-sensitive part.
- Remove the toner cartridge.

After performing service

1. Reinstall the toner cartridge.
2. Return all paper to the input tray.
3. Plug in the power cable and turn on the printer.
4. Perform print-quality tests by printing from a host computer.

Post-service tests

Perform the following tests to verify that the repair or replacement was successful.

Print-quality test

1. Verify that you have completed the necessary reassembly step
2. Make sure that the input tray contains clean, unmarked paper.
3. Attach the power cord and interface cable or interface cables, and then turn on the product.
4. Verify that the expected startup sounds occur
5. Print a configuration page, and then verify that the expected printing sounds occur.
6. Send a print job from the host computer, and then verify that the output meets expectations.

Copy-quality test (MFP only)

1. Verify that you have completed the necessary reassembly steps.
2. Make sure that the input tray contains clean, unmarked paper.
3. Attach the power cord and interface cable or interface cables, and then turn on the product.
4. Verify that the expected startup sounds occur.
5. Copy a configuration page (or other page), and then verify that the expected printing sounds occur.
6. Verify that the copy output meets expectations.

Other tests

Operate the printer in a manner that exercises the specific part or parts that have been repaired or replaced.

Removal and replacement procedures

Customer self-repair (CSR) components

The CSR level indicates the expected difficulty the customer will experience when removing and replacing an assembly. The CSR A assemblies in this section are easy for the customer to remove and replace.

HP Color Laser 150 - Removal and replacement: Toner cartridge

This document provides the procedures to remove and replace the toner cartridge.

Mean time to repair: 2 minutes

Service level: Basic

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-1 Part information

Part number	Description
North America, Latin America only:	
W2060A	HP 116A Black Original Laser Toner Cartridge
W2061A	HP 116A Cyan Original Laser Toner Cartridge
W2062A	HP 116A Yellow Original Laser Toner Cartridge
W2063A	HP 116A Magenta Original Laser Toner Cartridge
Europe, Russia, CIS, Middle East, and Africa only:	
W2070A	HP 117A Black Original Laser Toner Cartridge
W2071A	HP 117A Cyan Original Laser Toner Cartridge
W2072A	HP 117A Yellow Original Laser Toner Cartridge
W2073A	HP 117A Magenta Original Laser Toner Cartridge
China only:	
W2080A	HP 118A Black Original Laser Toner Cartridge
W2081A	HP 118A Cyan Original Laser Toner Cartridge
W2082A	HP 118A Yellow Original Laser Toner Cartridge

Table 1-1 Part information (continued)

Part number	Description
W2083A	HP 118A Magenta Original Laser Toner Cartridge
Asia Pacific Countries/Regions (excluding China) only:	
W2090A	HP 119A Black Original Laser Toner Cartridge
W2091A	HP 119A Cyan Original Laser Toner Cartridge
W2092A	HP 119A Yellow Original Laser Toner Cartridge
W2093A	HP 119A Magenta Original Laser Toner Cartridge

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

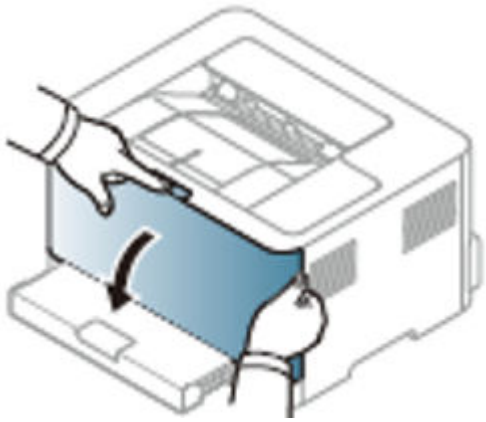
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

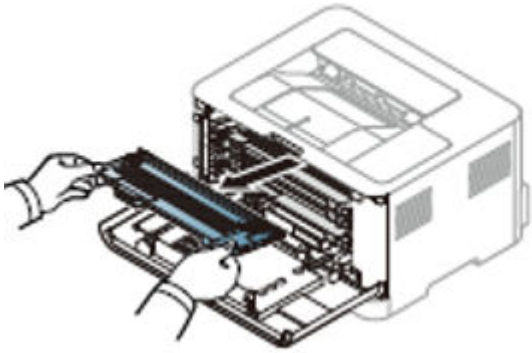
1. Remove the toner cartridge.
   a. Open the front door.

      Figure 1-2 Open the front door



b. Remove the old toner cartridge.

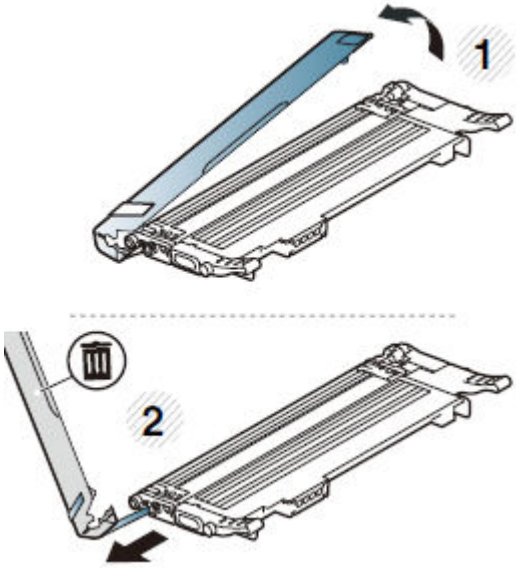
Figure 1-3 Remove the toner cartridge



2. Unpack a replacement toner cartridge.

▲ Remove the new toner cartridge packaging, and then remove the protection cover from the toner cartridge.

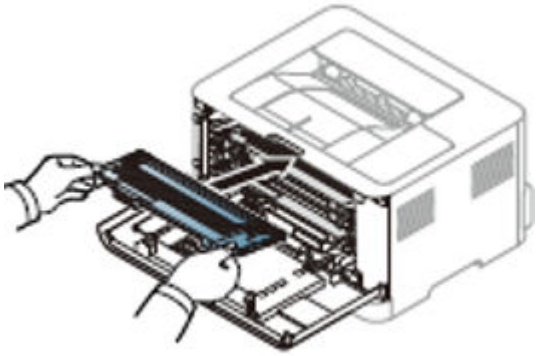
Figure 1-4 Remove the protection cover



3. Installl the toner cartridge.

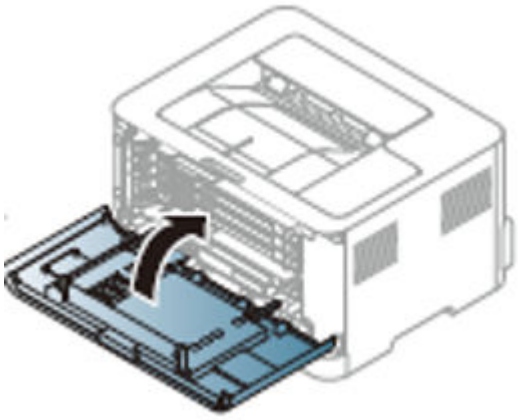
a. Check the position of the color and then Insert the toner cartridge in the printer.

Figure 1-5 Insert the toner cartirdge



b. Close the front door.

Figure 1-6 Close the front door



HP Color Laser MFP 178 179 - Removal and replacement: Toner cartridge

This document provides the procedures to remove and replace the toner cartridge.

Mean time to repair: 2 minutes

Service level: Easy

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-2 Part information

Part number	Description
North America, Latin America only:	
W2060A	HP 116A Black Original Laser Toner Cartridge
W2061A	HP 116A Cyan Original Laser Toner Cartridge
W2062A	HP 116A Yellow Original Laser Toner Cartridge
W2063A	HP 116A Magenta Original Laser Toner Cartridge
Europe, Russia, CIS, Middle East, and Africa only:	
W2070A	HP 117A Black Original Laser Toner Cartridge
W2071A	HP 117A Cyan Original Laser Toner Cartridge
W2072A	HP 117A Yellow Original Laser Toner Cartridge
W2073A	HP 117A Magenta Original Laser Toner Cartridge
China only:	
W2080A	HP 118A Black Original Laser Toner Cartridge
W2081A	HP 118A Cyan Original Laser Toner Cartridge
W2082A	HP 118A Yellow Original Laser Toner Cartridge
W2083A	HP 118A Magenta Original Laser Toner Cartridge
Asia Pacific Countries/Regions (excluding China) only:	
W2090A	HP 119A Black Original Laser Toner Cartridge
W2091A	HP 119A Cyan Original Laser Toner Cartridge
W2092A	HP 119A Yellow Original Laser Toner Cartridge
W2093A	HP 119A Magenta Original Laser Toner Cartridge

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

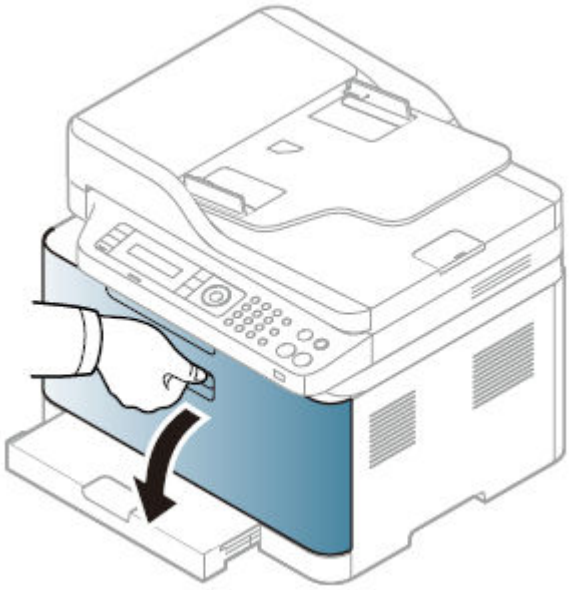
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

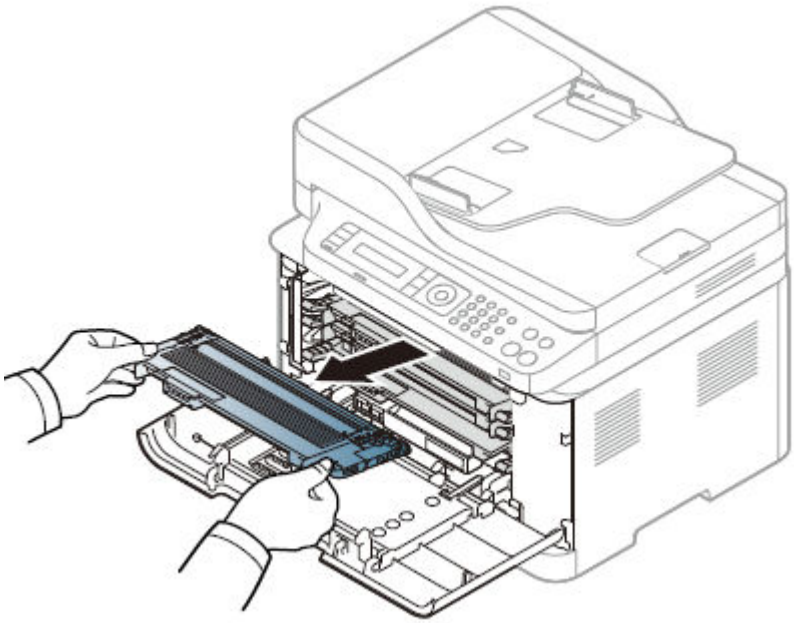
1. Remove the toner cartridge.
   a. Open the front door.

Figure 1-7 Open the front door



b. Remove the old toner cartridge.

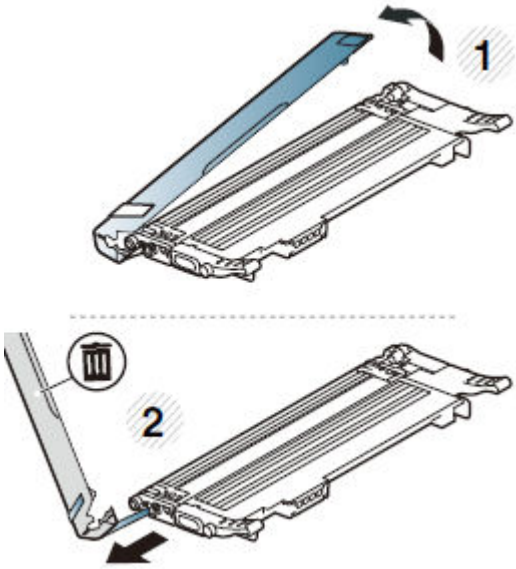
Figure 1-8 Remove the toner cartridge



2. Unpack a replacement toner cartridge.

▲ Remove the new toner cartridge packaging, and then remove the protection cover from the toner cartridge.

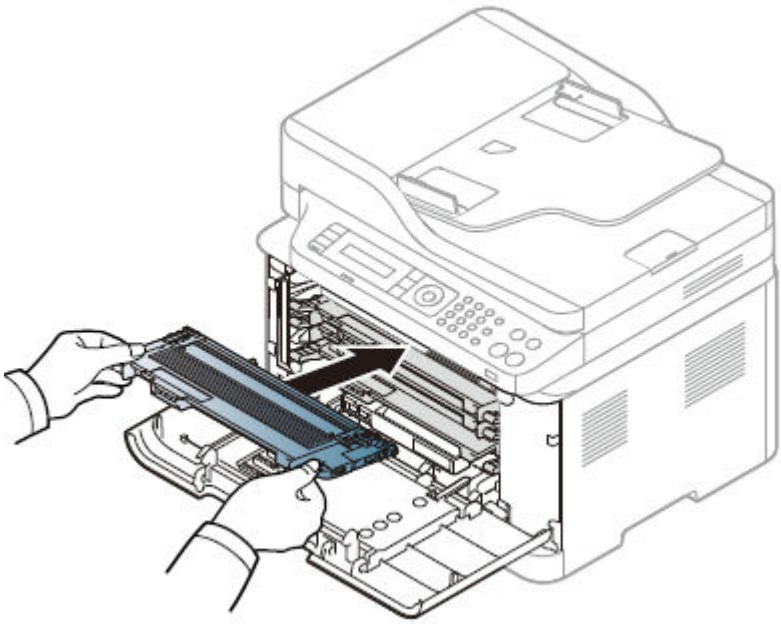
Figure 1-9 Remove the protection cover



3. Installl the toner cartridge.

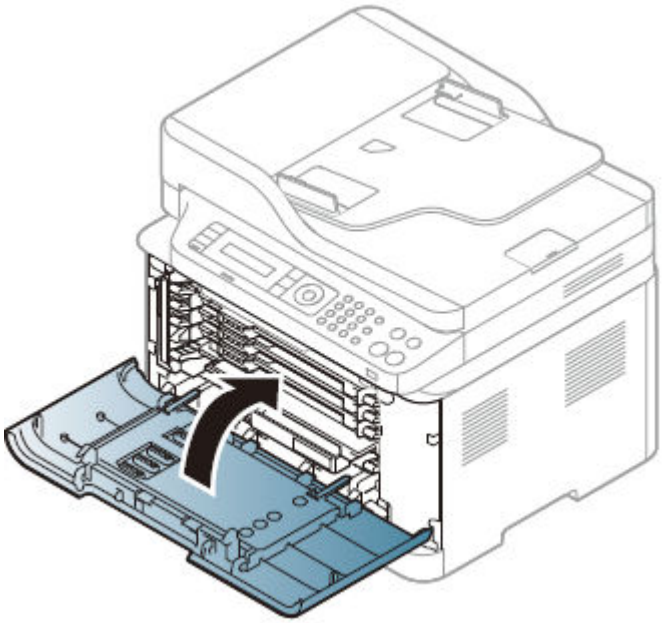
   a. Check the position of the color and then Insert the toner cartridge in the printer.

   Figure 1-10 Insert the toner cartirdge



b. Close the front door.

Figure 1-11 Close the front door



HP Color Laser 150 - Removal and replacement: imaging drum

This document provides the procedures to remove and replace the toner cartridge.

Mean time to repair: 2 minutes

Service level: Easy

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-3 Part information

Part number	Description
For use all the region (Exclude China):	
W1120A	HP 120A Original Laser Imaging Drum

Table 1-3 Part information (continued)

Part number	Description
For use only in China:	
W1132A	HP 132A Original imagesc Laser Imaging Drum

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

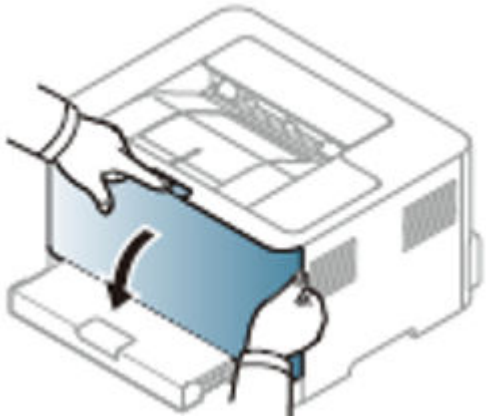
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

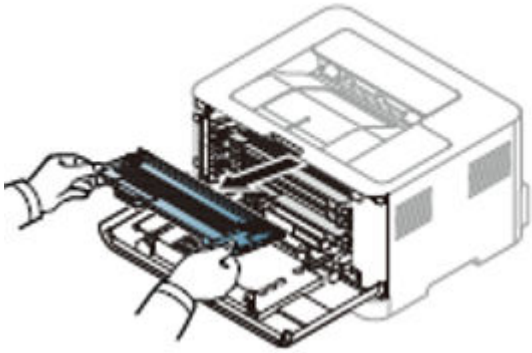
1. Remove the imaging drum.
   a. Open the front door.

      Figure 1-12 Open the front door



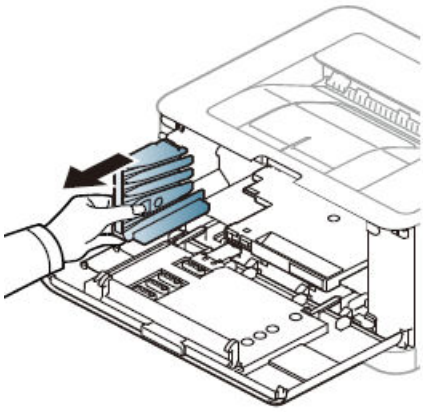
b. Remove the toner cartridge.

Figure 1-13 Remove the toner cartridge



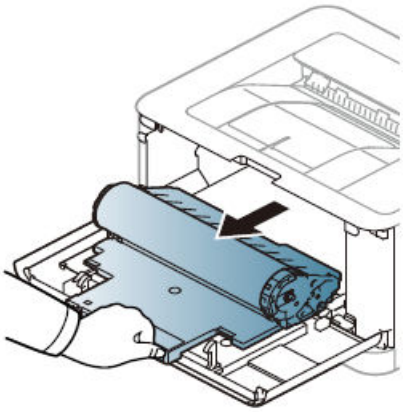
c. Remove the toner collection unit.

Figure 1-14 Remove the toner collection unit.



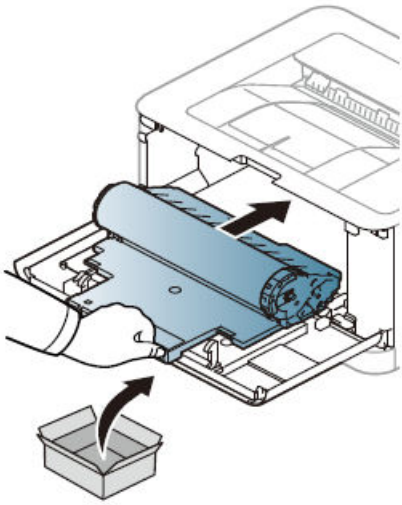
d. Remove the old imaging unit.

Figure 1-15 Remove the imaging unit.



2. Unpack a replacement imaging unit and then insert imaging unit.

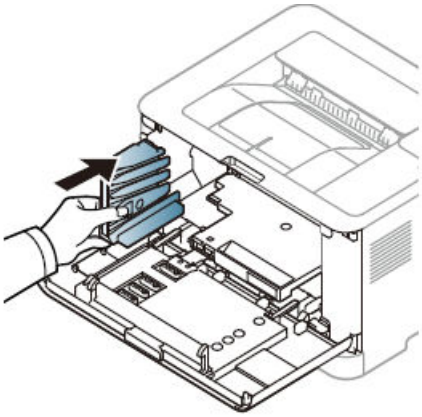
Figure 1-16 Insert imaging unit



3. Installl the toner collection unit and toner cartridge.

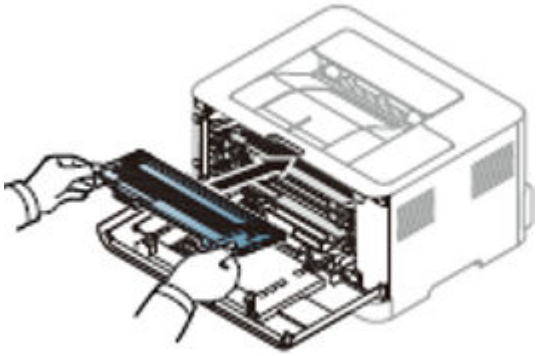
a. Insert the toner collection unit in the printer.

Figure 1-17 Insert the toner collection unit



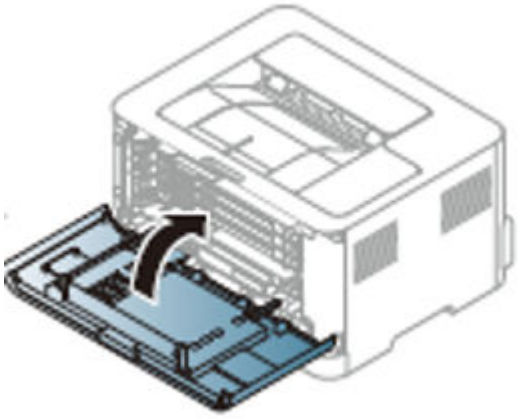
b. Insert the toner cartridge in the printer.

Figure 1-18 Insert the toner cartirdge



c. Close the front door.

Figure 1-19 Close the front door



HP Color Laser MFP 178 179 - Removal and replacement: Imaging drum

When the life span of the imaging drum has expired, the Printing Status window appears on the computer, indicating the imaging drum needs to be placed. Otherwise, your machine stops printing.

Mean time to repair: 2 minutes

Service level:Easy

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-4 Part information

Part number	Description
For use all the region (Exclude China):	
W1120A	HP 120A Original Laser Imaging Drum
For use only in China:	
W1132A	HP 132A Original imagesc Laser Imaging Drum

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

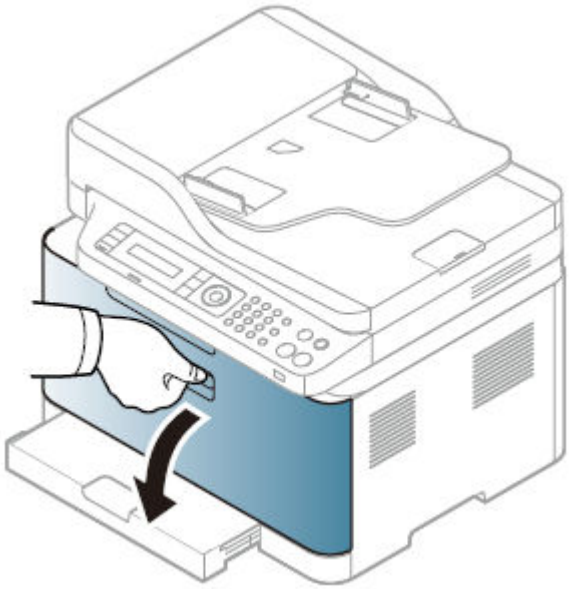
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

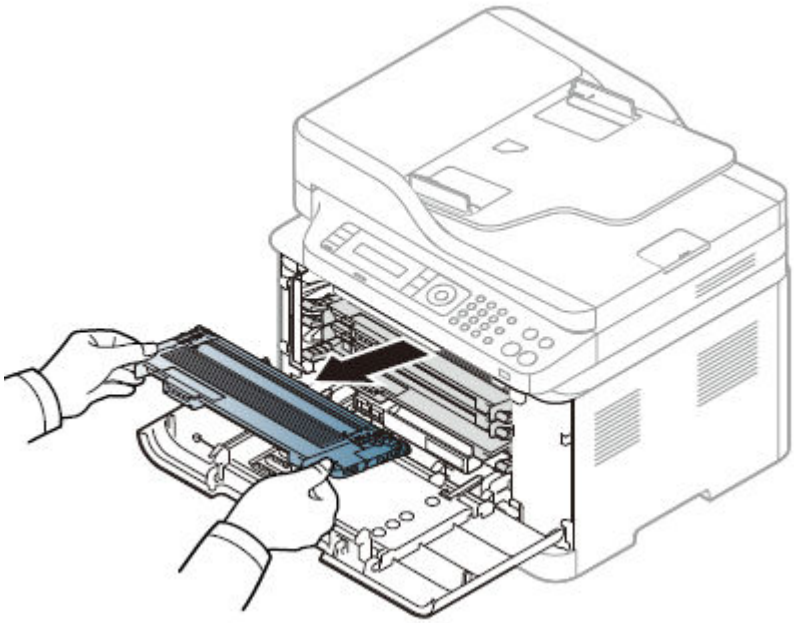
1. Remove the toner cartridge.
   a. Open the front door.

      Figure 1-20 Open the front door



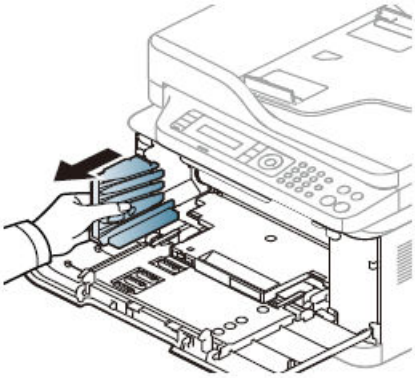
b. Remove the toner cartridge.

Figure 1-21 Remove the toner cartridge



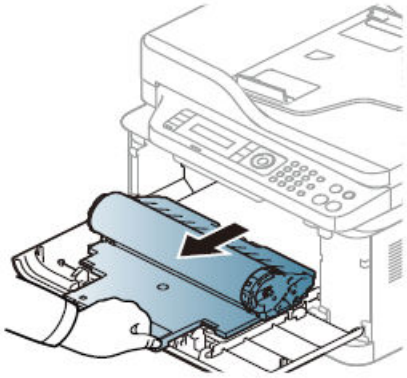
c. Remove the toner collection unit.

Figure 1-22 Remove the toner collection unit



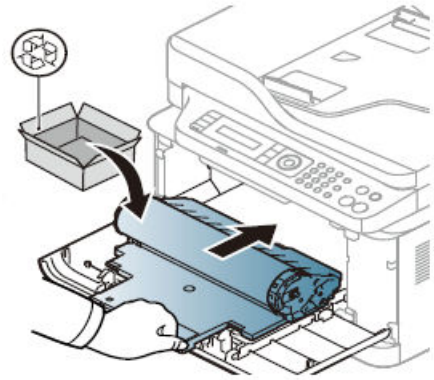
d. Remove the imaging unit.

Figure 1-23 Remove the imaging unit



2. Unpack a replacement imaging unit and then insert imaging unit.

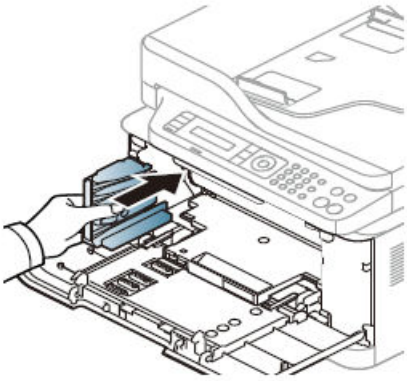
Figure 1-24 Insert imaging unit



3. Installl the toner collection unit and toner cartridge.

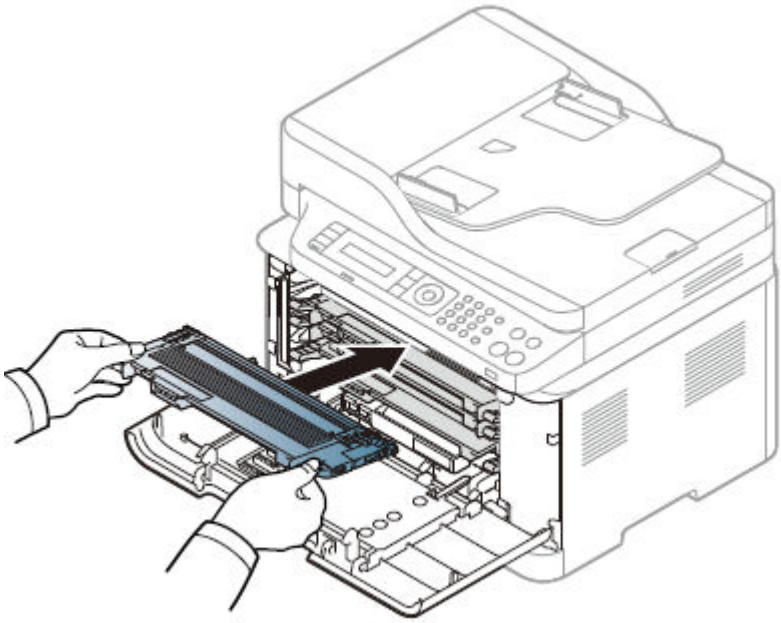
a. Insert the toner collection unit in the printer.

Figure 1-25 Insert the toner collection unit



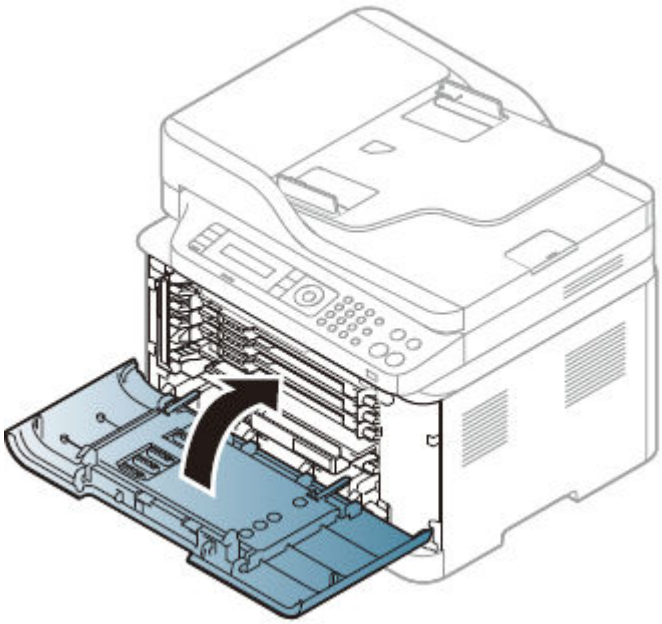
b. Insert the toner cartridge in the printer.

Figure 1-26 Insert the toner cartirdge



c. Close the front door.

Figure 1-27 Close the front door



HP Color Laser 150 - Removal and replacement: toner collection unit

When the life span of the toner collection unit has expired, the toner collection unit needs to be replaced. Otherwise your printer stops printing.

Mean time to repair: 2 minutes

Service level: Easy

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-5 Part information

Part number	Description
For use all the region (Exclude China):	
5KZ38A	HP Laser Toner Collection Unit
For use only in China:	
5LX86A	HP Laser China Toner Collection Unit

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

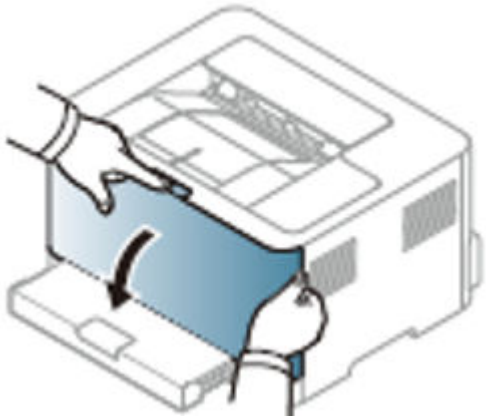
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

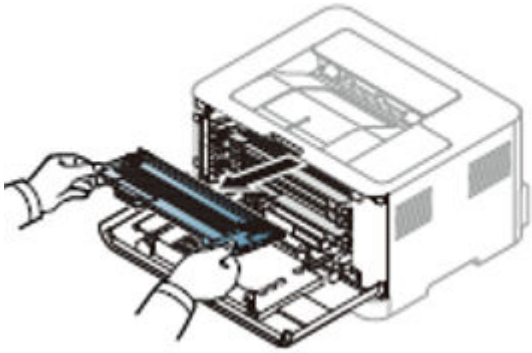
1. Remove the toner cartridge.
   a. Open the front door.

Figure 1-28 Open the front door



b. Remove the toner cartridge.

Figure 1-29 Remove the toner cartridge

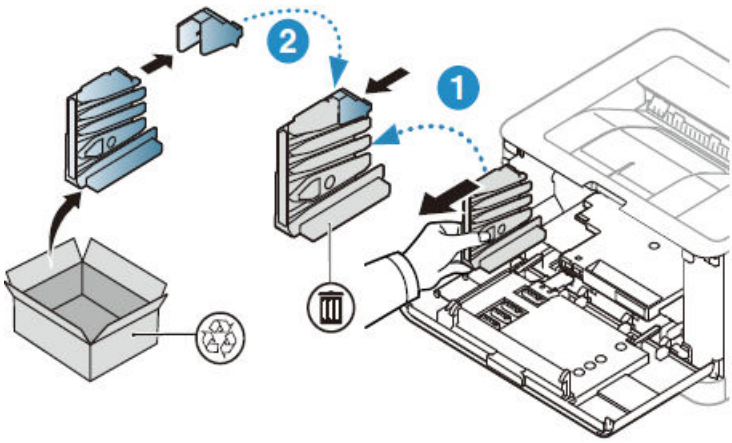


2. Unpack a replacement toner collection unit.

a. Remove the toner collection unit

b. Remove the new toner cap from the toner collection unit as shown below, and use it to close the toner collection unit opening.

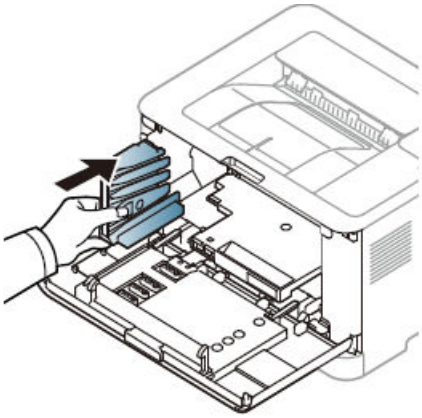
Figure 1-30 Remove the toner collection unit



3. Installl the toner collection unit.

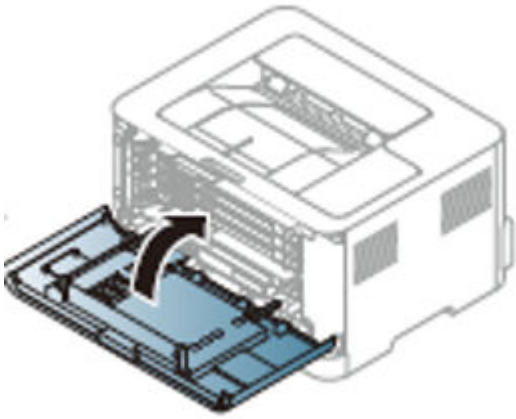
   a. Insert the toner collection unit in the printer.

      Figure 1-31 Insert the toner collection unit.



   b. Close the front door.

      Figure 1-32 Close the front door



HP Color Laser MFP 178 179 - Removal and replacement: Toner Collection Unit

When the life span of the toner collection unit has expired, toner collection unit-related message appears on the screen display of the control panel, indicating the toner collection unit needs to be replaced. Check the toner collection unit for your machine.

Mean time to repair: 2 minutes

Service level: Easy

IMPORTANT: 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.

Before performing service

- Turn the printer power off.

⚠ CAUTION: To prevent damage to the toner cartridge, do not expose it to light for more than a few minutes. Cover the toner cartridge if it must be removed from the printer for an extended period of time.

If toner gets on clothing, wipe it off by using a dry cloth and wash the clothes in cold water. Hot water sets toner into fabric.

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-6 Part information

Part number	Description
For use all the region (Exclude China):	
5KZ38A	HP Laser Toner Collection Unit
For use only in China:	
5LX86A	HP Laser China Toner Collection Unit

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

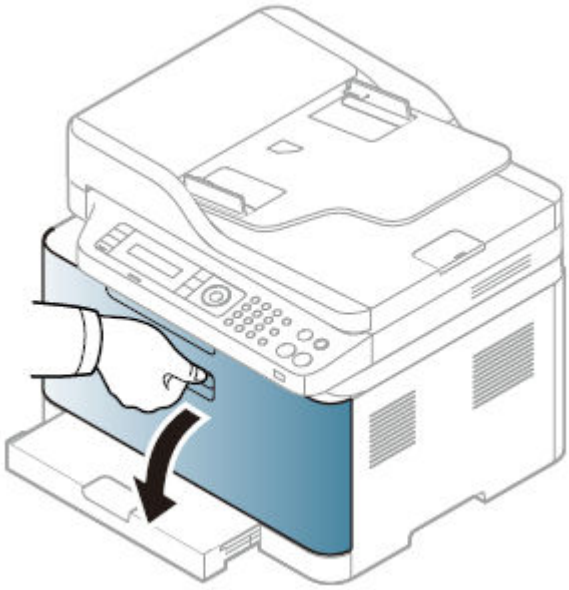
- Make sure that the cartridge door is fully closed after replacing the toner cartridge.
- Turn the printer power on.

Post service test

No post service test is available for this assembly.

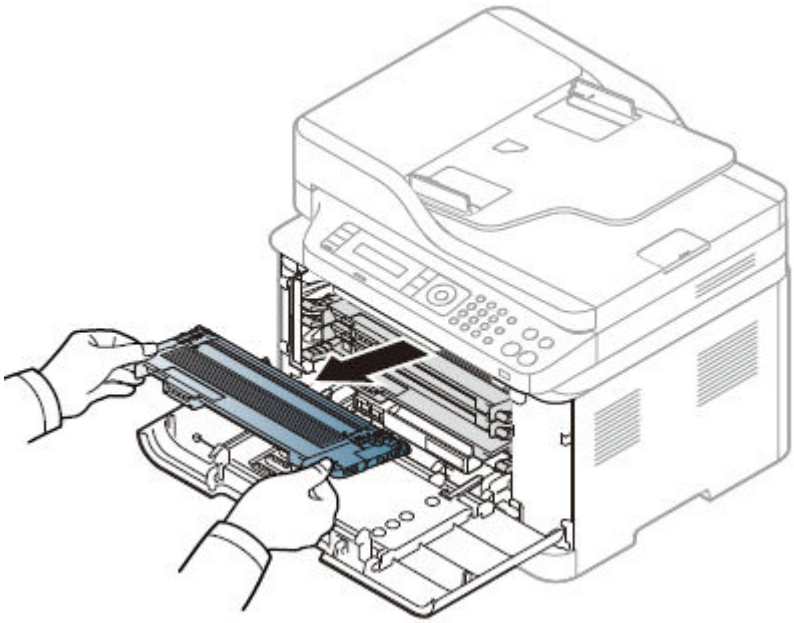
1. Remove the toner cartridge.
   a. Open the front door.

Figure 1-33 Open the front door



b. Remove the toner cartridge.

Figure 1-34 Remove the toner cartridge

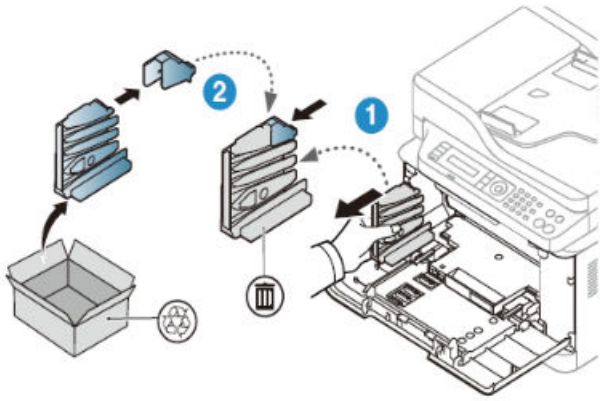


2. Unpack a replacement toner collection unit.

a. Remove the toner collection unit

b. Remove the new toner cap from the toner collection unit as shown below, and use it to close the toner collection unit opening.

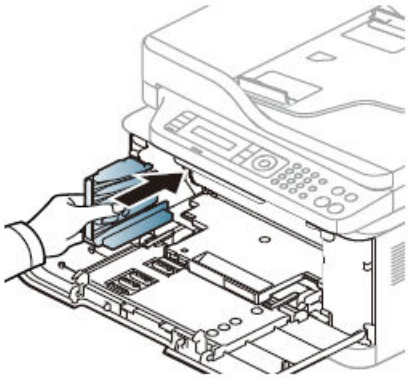
Figure 1-35 Remove the toner collection unit



3. Installl the toner collection unit.

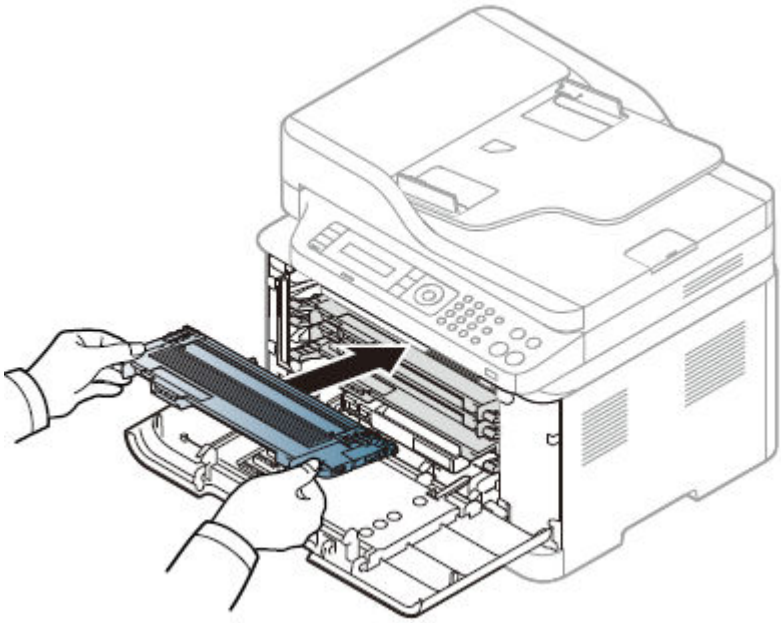
a. Insert the toner collection unit in the printer.

Figure 1-36 Insert the toner collection unit.



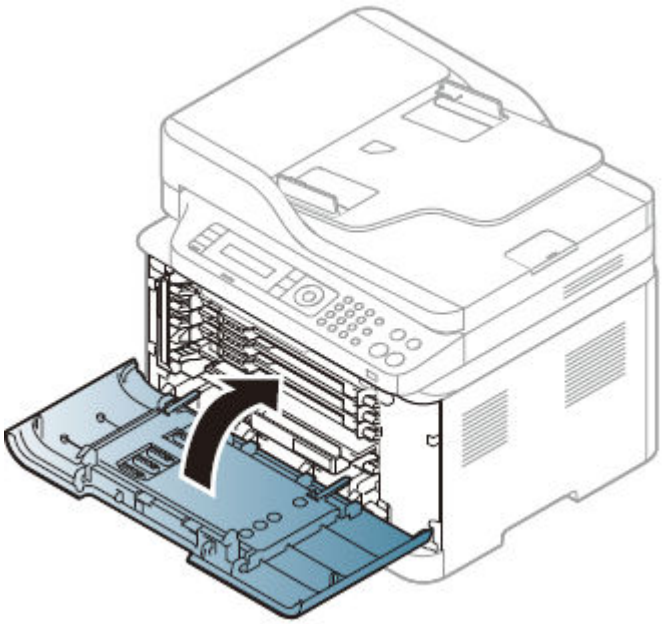
b. Insert the toner cartridge in the printer.

Figure 1-37 Insert the toner cartirdge



c. Close the front door.

Figure 1-38 Close the front door



Field Replaceable Units (FRUs) / Bench Repair Units (BRUs)

Removal and replacement: External panels, covers, and doors

HP Color Laser 150 - Removal and replacement: Rear cover

This document provides the procedures to remove and replace the rear cover.

Mean time to repair: 1 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-7 Part information

Part number	Description
JC95-01588F	Rear cover(150a)
JC95-01588G	Rear cover(150nw)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

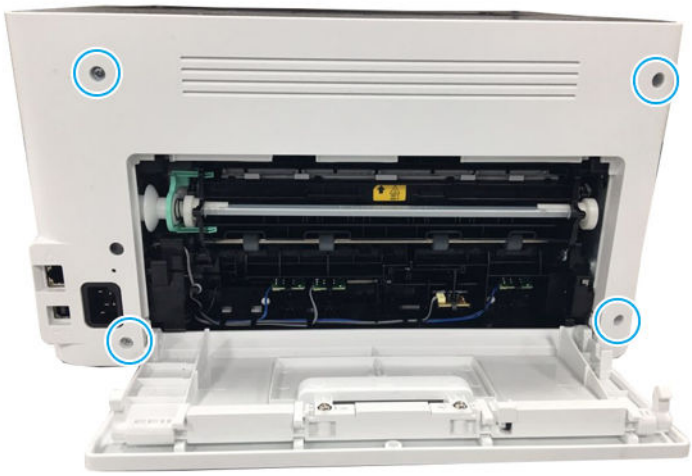
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

Figure 1-39 Remove the rear cover



2. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser 178, 179 - Removal and replacement: Rear cover

This document provides the procedures to remove and replace the rear cover.

Mean time to repair: 1 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-8 Part information

Part number	Description
JC95-01596H	Rear cover(178nw,178nwg)
JC95-01596J	Rear cover(179fnw,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

   Figure 1-40 Remove the rear cover

2. Unpack the replacement assembly.

   a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Left cover

This document provides the procedures to remove and replace the left cover.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-9 Part information

Part number	Description
JC63-03531C	Left cover

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

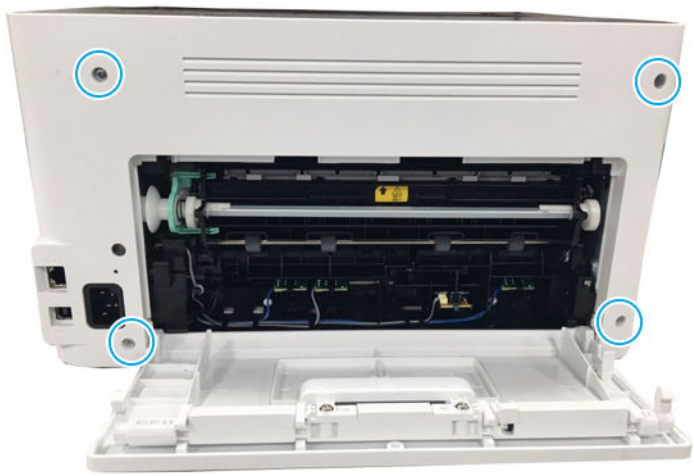
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

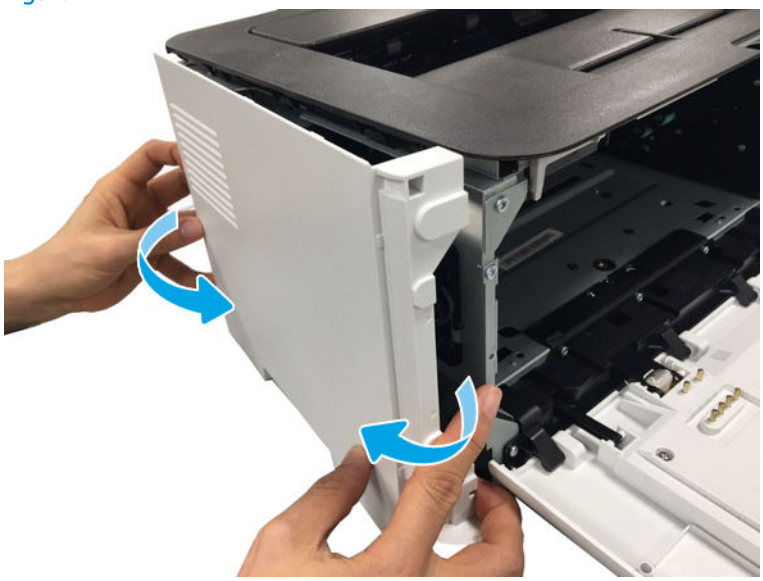
   Figure 1-41 Remove the rear cover



2. Remove the left cover.

   ▲ Open the front door, and then remove the left cover by releasing the hooks.

   Figure 1-42 Remove the left cover



3. Unpack the replacement assembly.

   a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Left cover

This document provides the procedures to remove and replace the left cover.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-10 Part information

Part number	Description
JC63-03548C	Left cover

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the rear cover.

   a. Open the rear door. Remove four screws. And then, release the rear cover.

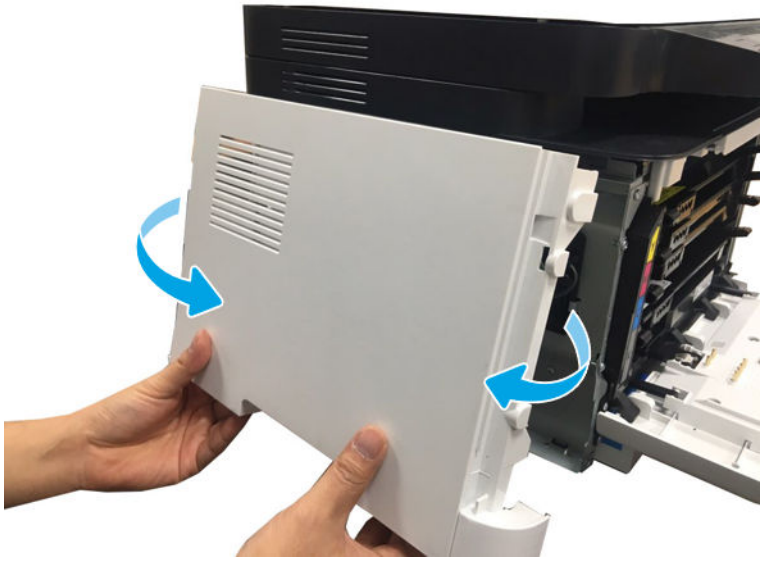
   Figure 1-43 Remove the rear cover

   b. Open the front cover.

   Figure 1-44 Open the front cover

c. Remove the left cover by releasing the hooks.

Figure 1-45 Remove left cover



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Right cover

This document provides the procedures to remove and replace the right cover.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-11 Part information

Part number	Description
JC63-03548C	Right cover

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

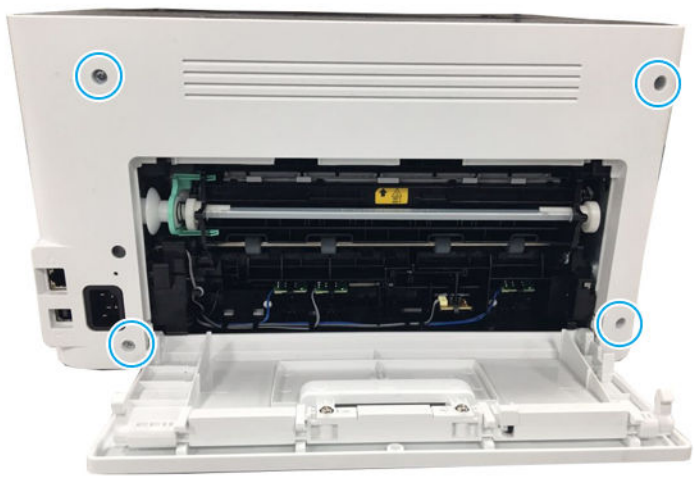
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

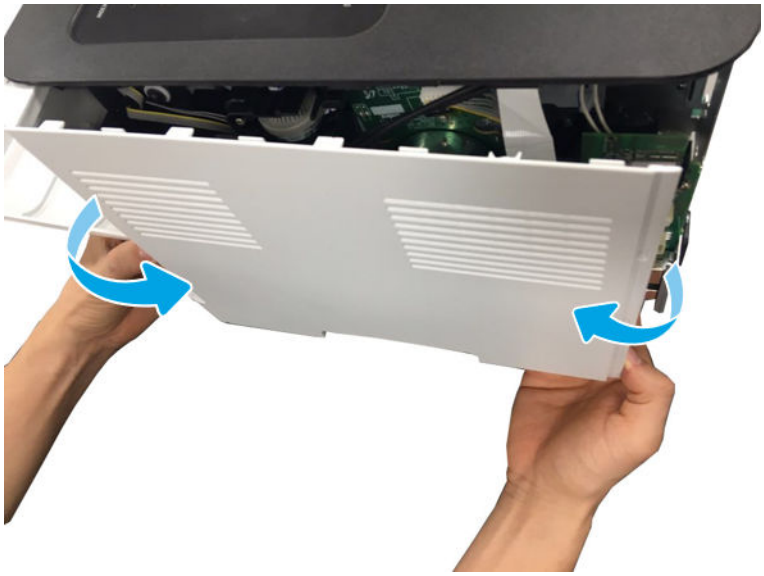
1. Remove the rear cover.
   - ▲ Open the rear door. Remove four screws. And then, release the rear cover.

     Figure 1-46 Remove the rear cover



2. Remove the right cover.
   - ▲ Open the front door, and then remove the right cover by releasing the hooks.

Figure 1-47 Remove the right cover



3. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Right cover

This document provides the procedures to remove and replace the right cover.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-12 Part information

Part number	Description
JC63-03552C	Right cover

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

      Figure 1-48 Remove four screws

b. Open the front cover.

Figure 1-49 Open the front cover

c. Release the right cover.

Figure 1-50 Remove right cover

2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Top cover

This document provides the procedures to remove and replace the top cover.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-13 Part information

Part number	Description
JC95-02228A	Top cover(150a)
JC95-02228B	Top cover(150nw)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

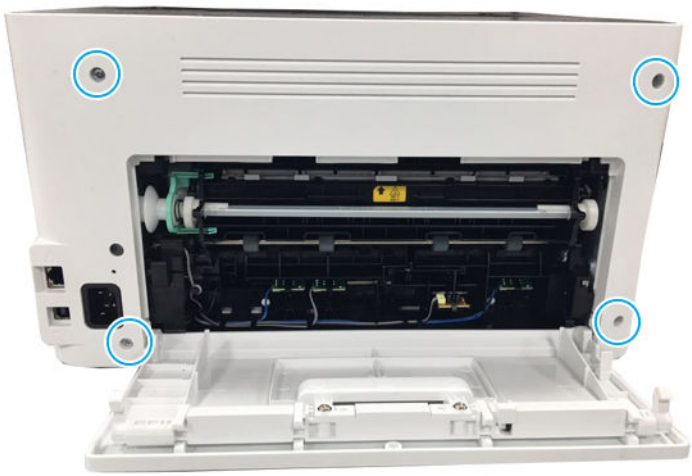
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

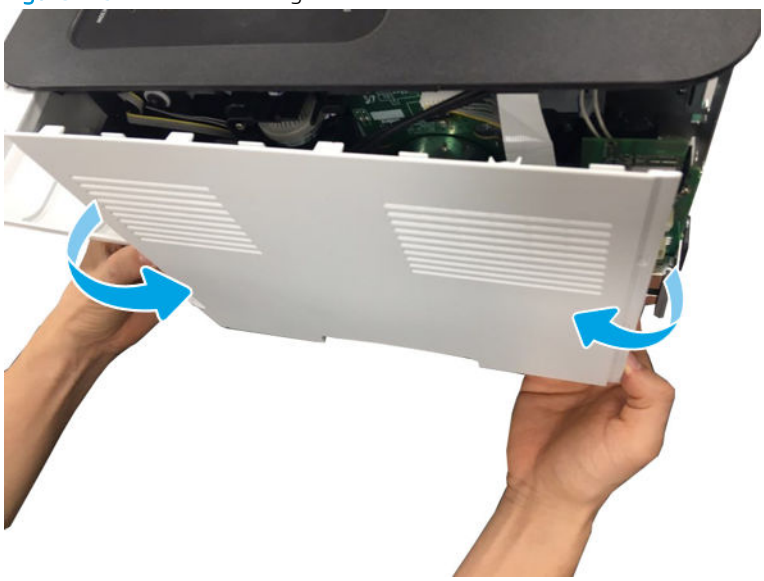
   Figure 1-51 Remove the rear cover



2. Remove the right cover.

   ▲ Open the front door, and then remove the right cover by releasing the hooks.

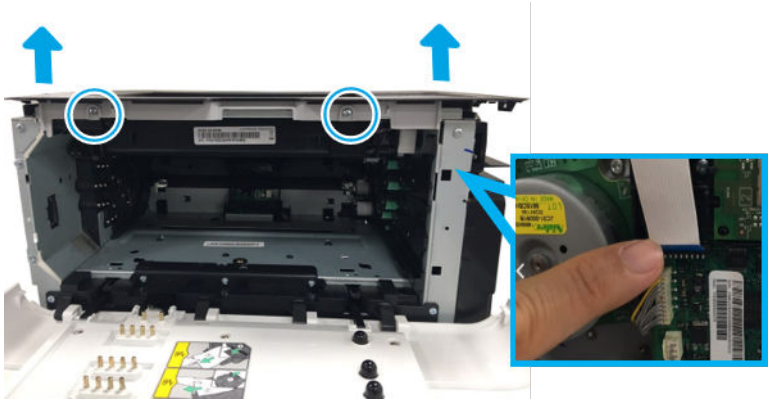
   Figure 1-52 Remove the right cover



3. Remove the top cover.

   ▲ Disconnect the control panel connector from the Formatter (Main PCA). Remove two screws. And then, Lift up and release the top cover.

Figure 1-53 Remove the top cover



4. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: ADF

This document provides the procedures to remove and replace the ADF.

Mean time to repair: 1 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-14 Part information

Part number	Description
JC97-04067C	ADF

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

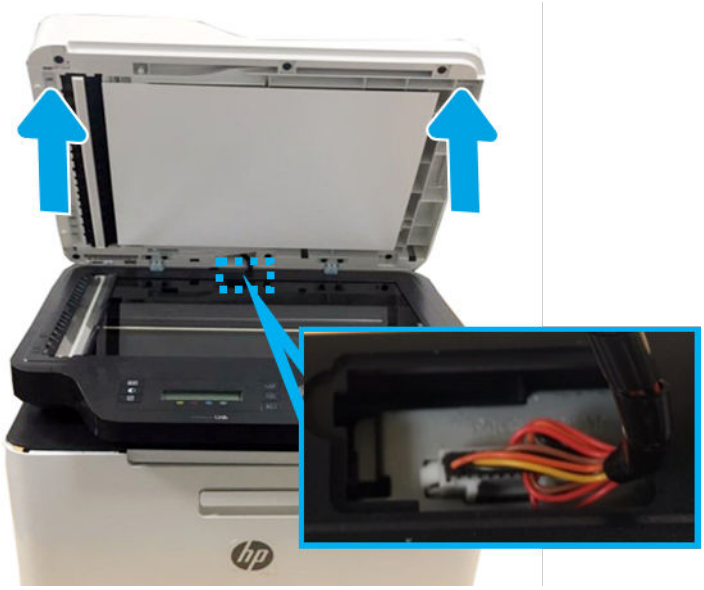
Post service test

No post service test is available for this assembly.

1. Remove the ADF.

   ▲ Open the ADF Unit. Remove the connector cover and unplug the connector. And then, lift up and release the ADF Unit.

   Figure 1-54 Remove the ADF



2. Unpack the replacement assembly.

   a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Flabed scanner assembly

This document provides the procedures to remove and replace the platen.

Mean time to repair: 5 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-15 Part information

Part number	Description
JC97-05045A	Flabed scanner assembly (178nw,178nwg)
JC97-05047A	Flabed scanner assembly (179fnw,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the left cover.

   a. Remove four screws from the rear of the machine, and then remove the rear cover.

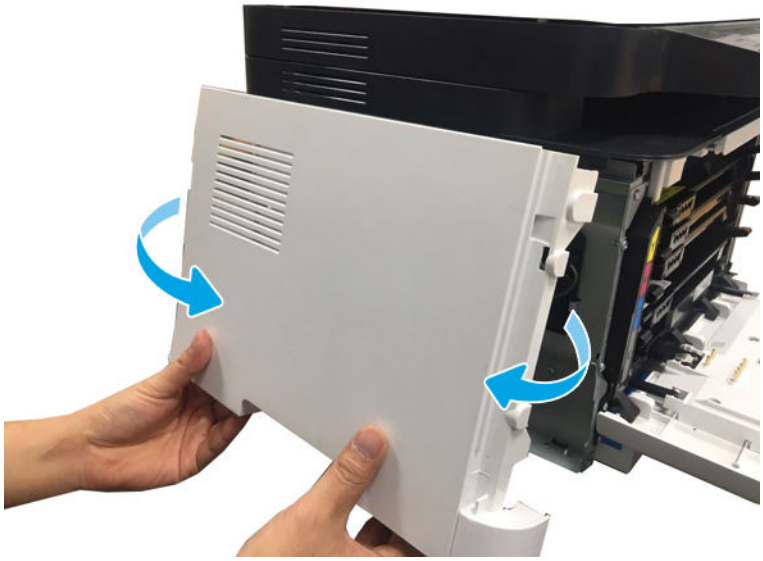
      Figure 1-55 Remove four screws

   b. Open the front cover.

      Figure 1-56 Open the front cover

c. Release the left cover.

Figure 1-57 Remove left cover



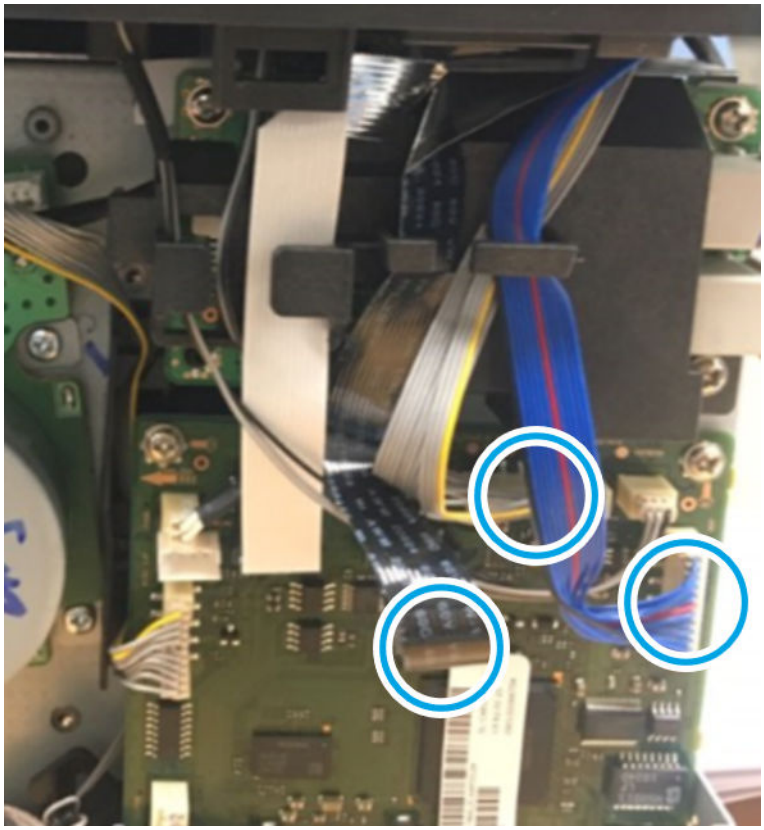
2. Remove the right cover.

Figure 1-58 Remove right cover

3. Remove the Flabed scanner assembly.

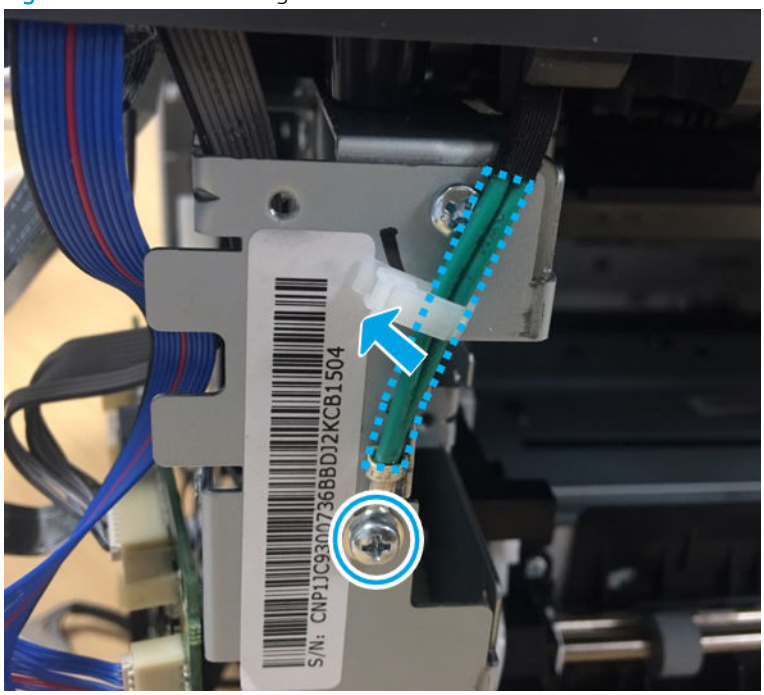
a. Unplug the scan connectors from the main board.

Figure 1-59 Unplug the scan connectors



b. Remove one screw and then remove the ground in rear side.

Figure 1-60 Remove the ground in rear side

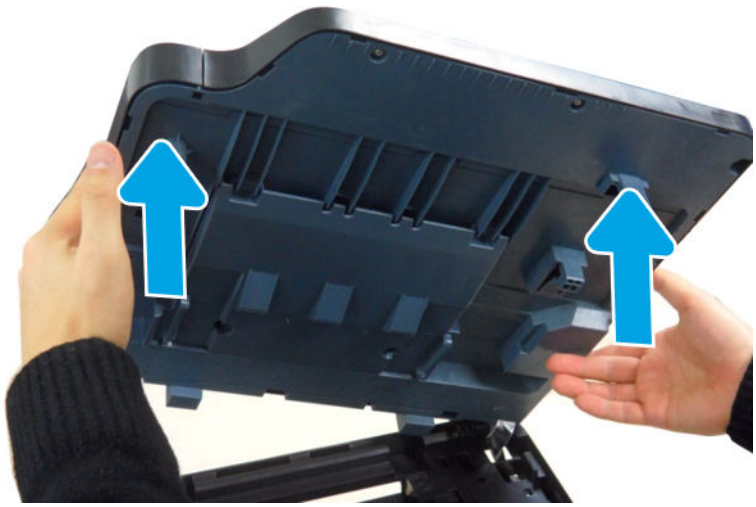


c. Open the platen unit. Release the Scanner Hinge unit.

Figure 1-61 Release the Scanner Hinge

d. Lift up and release the platen unit.

Figure 1-62 Remove the platen



4. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Control panel assembly

This document provides the procedures to remove and replace the control panel assembly.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-16 Part information

Part number	Description
JC97-05100A	Control panel assembly (178nw,178nwg Worldwide except China)
JC97-05100B	Control panel assembly (178nw China only)
JC97-05062A	Control panel assembly (179fnw,179fwg Worldwide except China)
JC97-05062B	Control panel assembly (179fnw China only)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

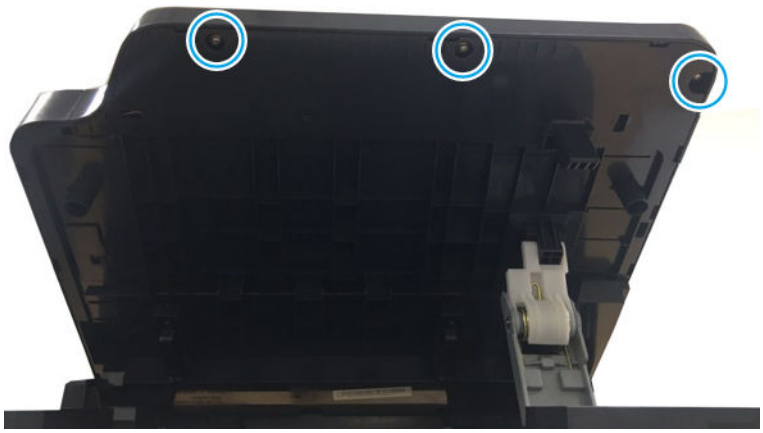
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

1. Remove the control panel assembly.
   a. Open the scanner unit, and then remove three screws from the bottom of the scanner unit.

      Figure 1-63 Remove three screws



   b. Pull up the front of the control panel assembly to release it.

      Figure 1-64 Full the OPE Unit up

c. Disconnect two connectors, and then remove the control panel assembly.

Figure 1-65 Remove the control panel assembly

2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Middle Cover

This document provides the procedures to remove and replace the middle cover.

Mean time to repair: 8 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-17 Part information

Part number	Description
JC95-01590H	Middle cover (178nw,178nwg)
JC95-01590J	Middle cover (179fnw,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the left cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

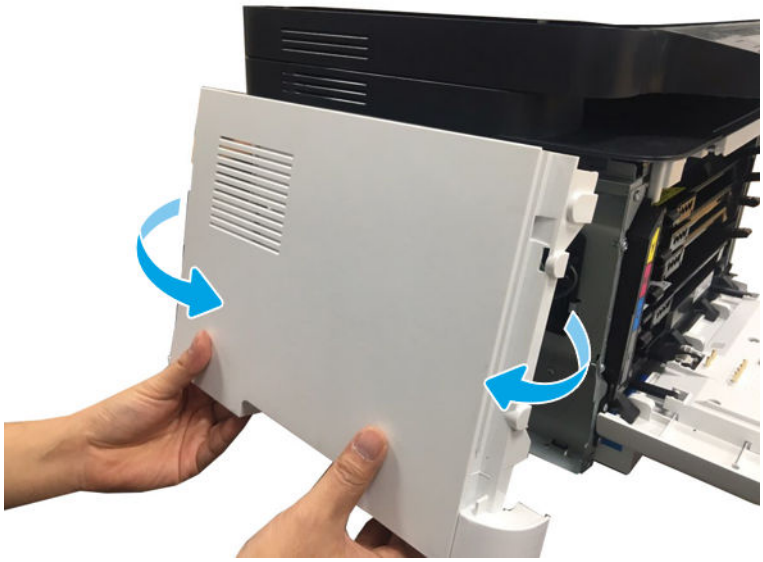
      Figure 1-66 Remove four screws

b. Open the front cover.

Figure 1-67 Open the front cover

c. Release the left cover.

Figure 1-68 Remove left cover



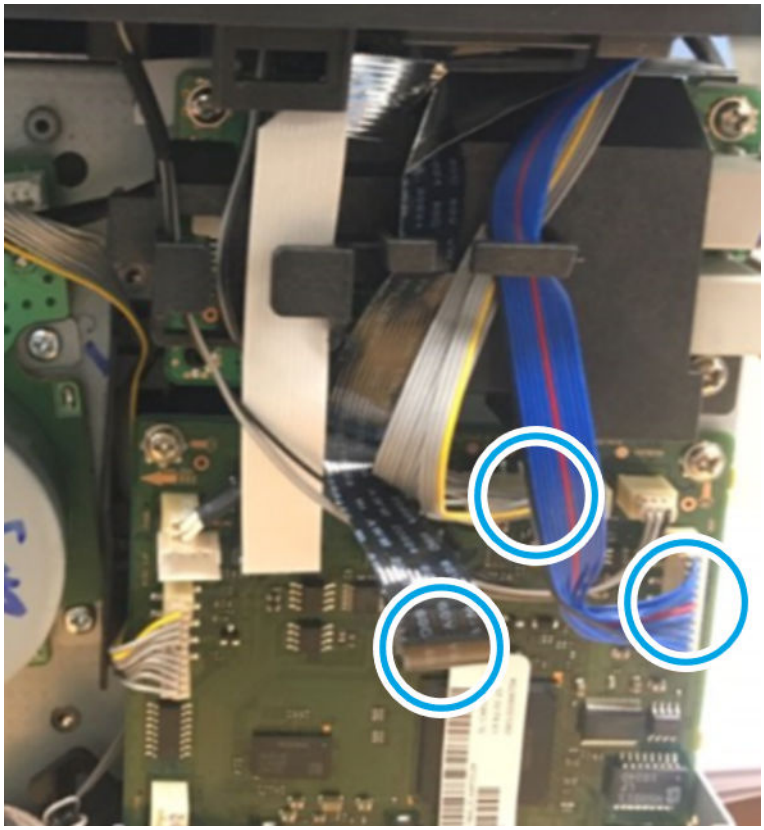
2. Remove the right cover.

Figure 1-69 Remove right cover

3. Remove the Flabed scanner assembly unit.

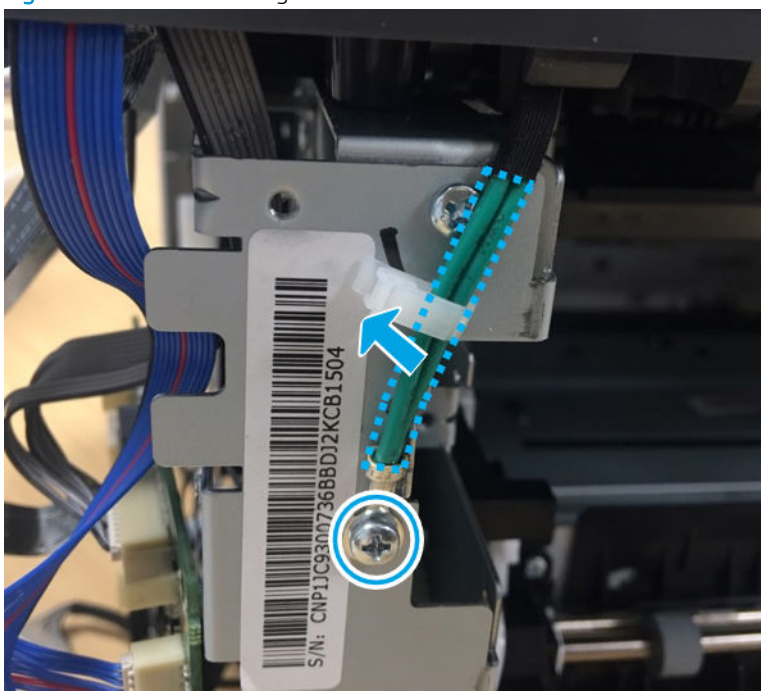
   a. Disconnect the scan connectors from the Formatter(Main PCA).

Figure 1-70 Disconnect the scan connectors



b. Remove one screw and then remove the ground in rear side.

Figure 1-71 Remove the ground in rear side

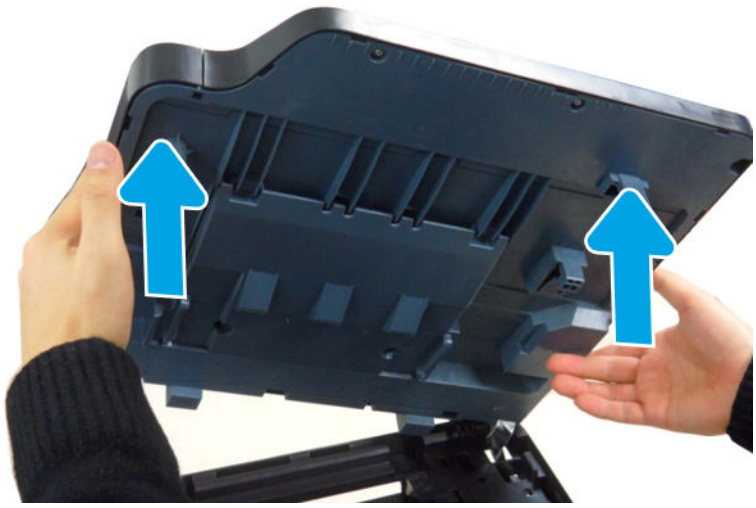


c. Open the platen unit. Release the Scanner Hinge unit.

Figure 1-72 Release the Scanner Hinge

d. Lift up and release the platen unit.

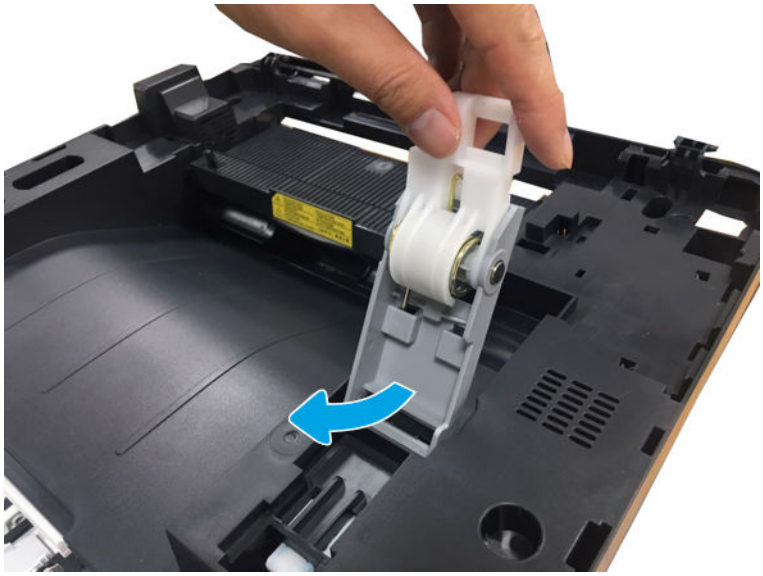
Figure 1-73 Remove the Flabed scanner assembly



4. Remove the middle cover.

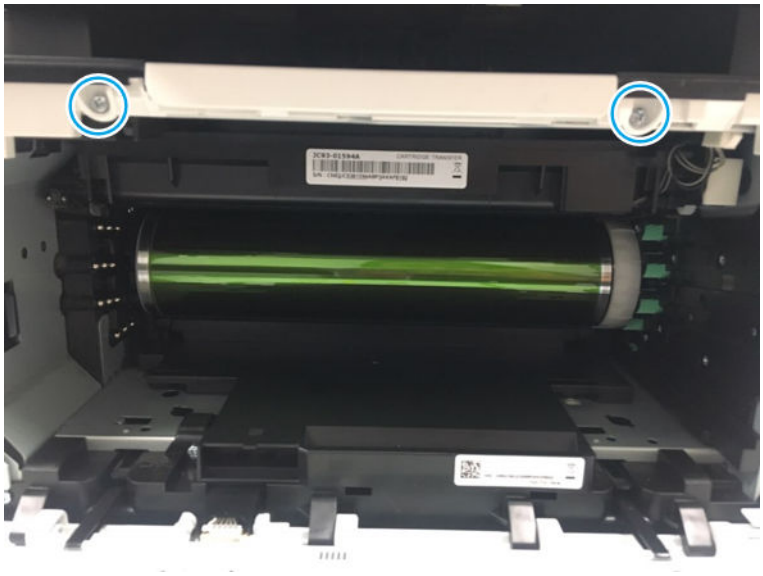
a. Remove the Scanner Hinge unit.

Figure 1-74 Remove the Scanner Hinge unit.



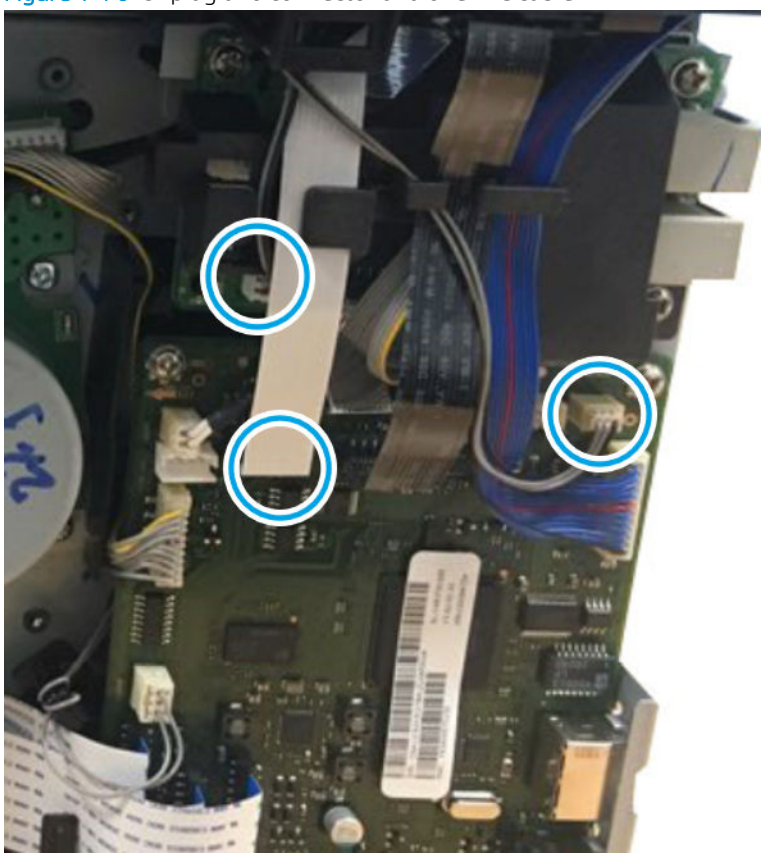
b. Remove two screws from the front.

Figure 1-75 Remove two screws



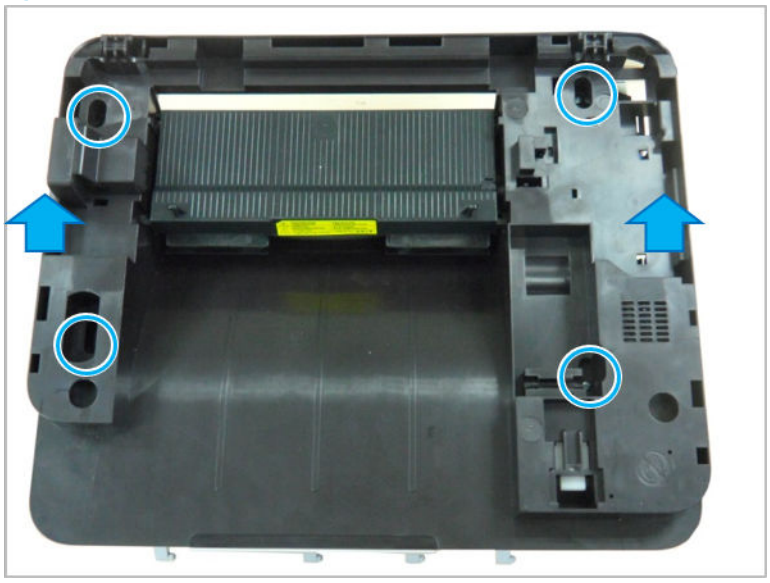
c. Unplug two connector and one FFC cable.

Figure 1-76 Unplug two connector and one FFC cable



d. Remove four screws, and then lift up the middle cover to remove it.

Figure 1-77 Release the middle cover



5. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

Removal and replacement: Internal parts and assemblies

HP Color Laser 150 - Removal and replacement: ITB

This document provides the procedures to remove and replace the ITB.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-18 Part information

Part number	Description
JC93-01594A	ITB

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

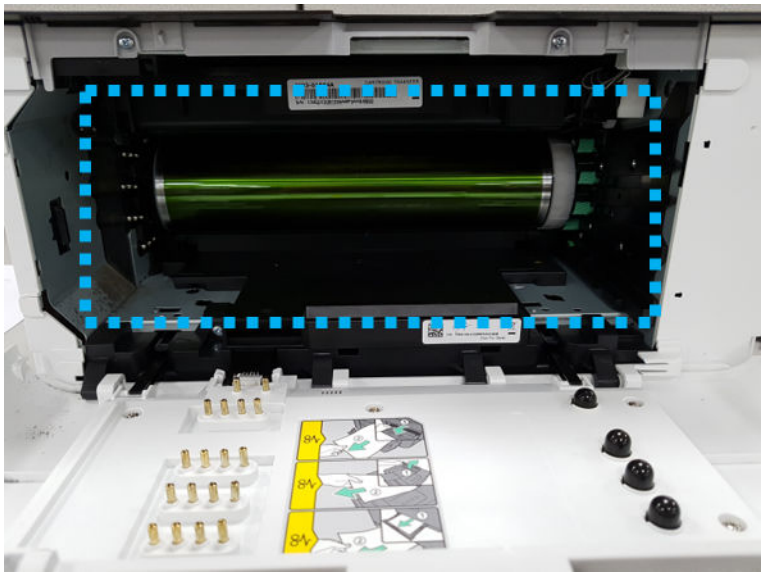
Send a job to the printer, and then verify that print quality is acceptable.

1. Remove the ITB.
   a. Open the front cover, and then remove YMCK toner cartridges and toner collection unit.

Figure 1-78 Remove YMCK toner cartridges and waste toner container

b. Remove the imaging drum unit.

Figure 1-79 Remove imaging drum unit

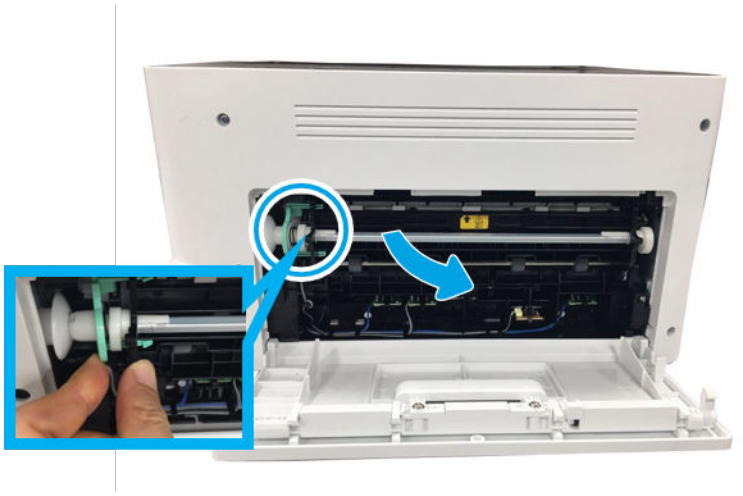


c. Disconnect the ITB connector from the top-right.

Figure 1-80 Disconnect the ITB connector

d. Open the rear door. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-81 Release the FRAME-TRANSFER

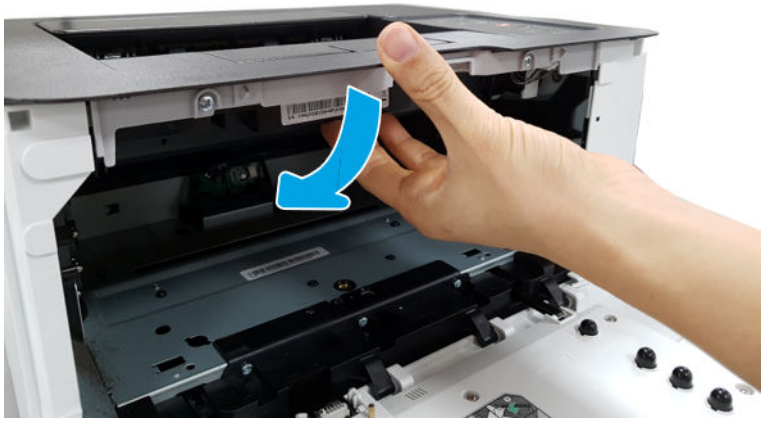


e. Pull down the both levers.

Figure 1-82 Pull down both levers

f. Remove the ITB Unit while holding its handle.

Figure 1-83 Remove the ITB Unit



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: ITB

This document provides the procedures to remove and replace the ITB.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-19 Part information

Part number	Description
JC93-01594A	ITB

Required tools

- No special tools are needed to remove or install this assembly.

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.

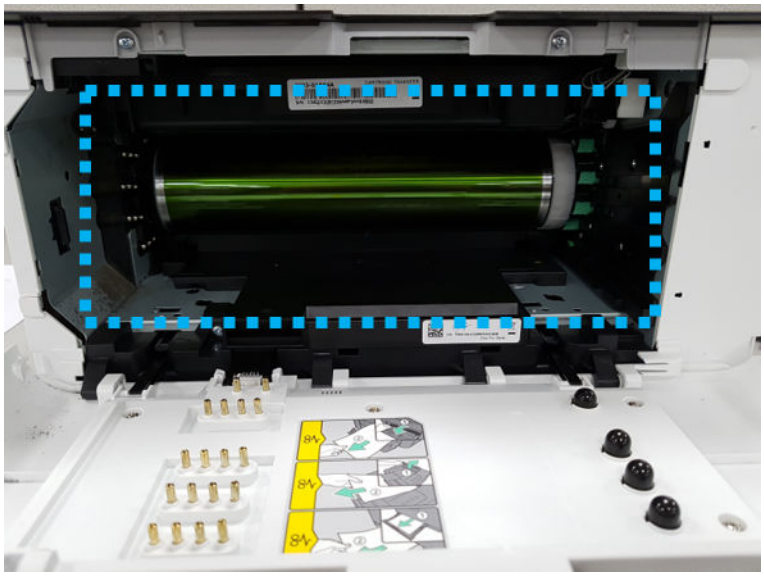
1. Remove the ITB.

   a. Open the front cover. Remove YMCK toner cartridges and waste toner container.

   Figure 1-84 Remove YMCK toner cartridges and waste toner container

   b. Remove the imaging drum unit.

   Figure 1-85 Remove imaging drum unit

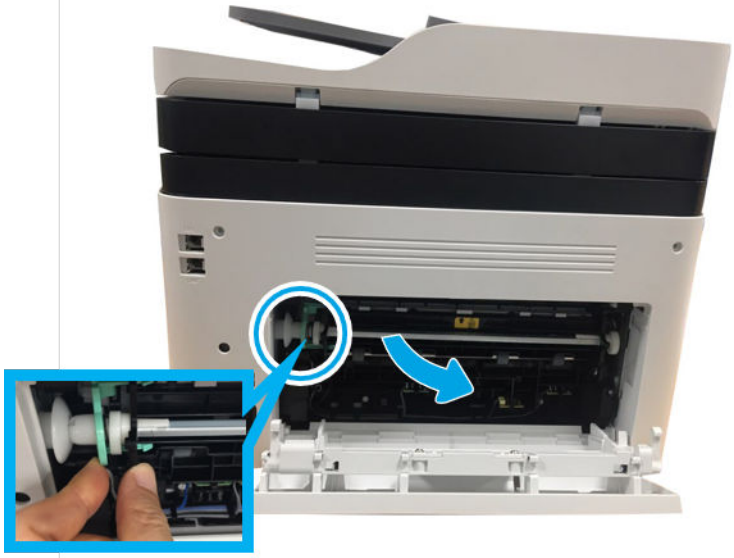


c. Unplug the ITB connector from the top-right.

Figure 1-86 Unplug the ITB connector

d. Open the rear door. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-87 Release the FRAME-TRANSFER

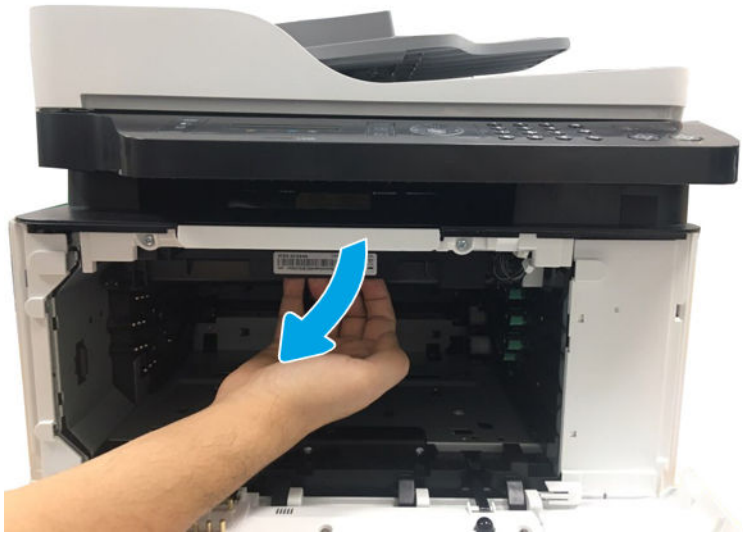


e. Pull down the both levers.

Figure 1-88 Pull down both levers

f. Remove the ITB Unit while holding its handle.

Figure 1-89 Remove the ITB Unit



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Fuser

This document provides the procedures to remove and replace the fuser.

Mean time to repair: 7 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-20 Part information

Part number	Description
JC91-01080A	FUSER 220V
JC91-01079A	FUSER 110V

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.

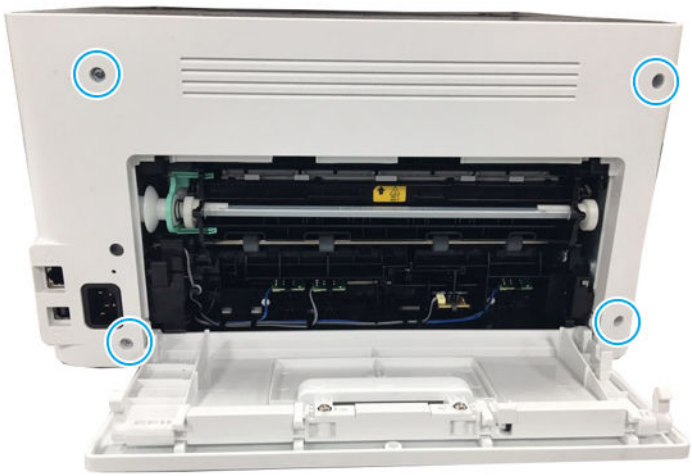
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. remove four screws. And then, release the rear cover.

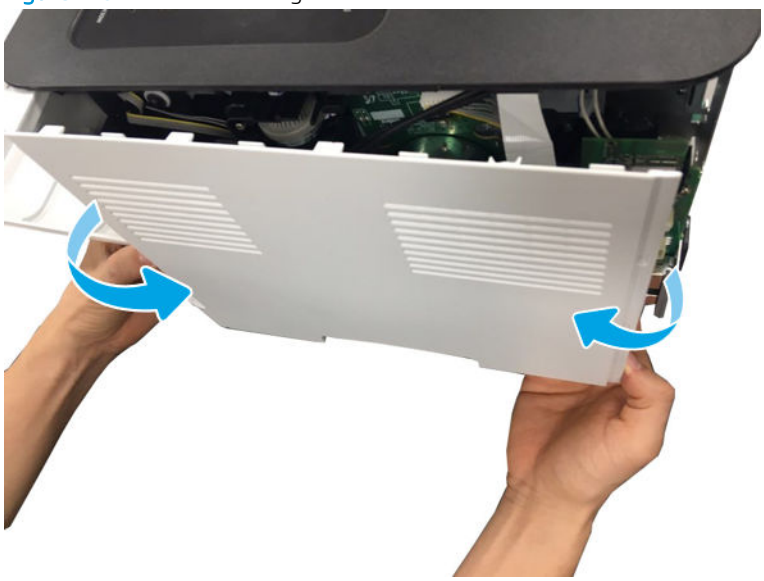
   Figure 1-90 Remove the rear cover



2. Remove the right cover.

   ▲ Open the front door, and then remove the right cover by releasing the hooks.

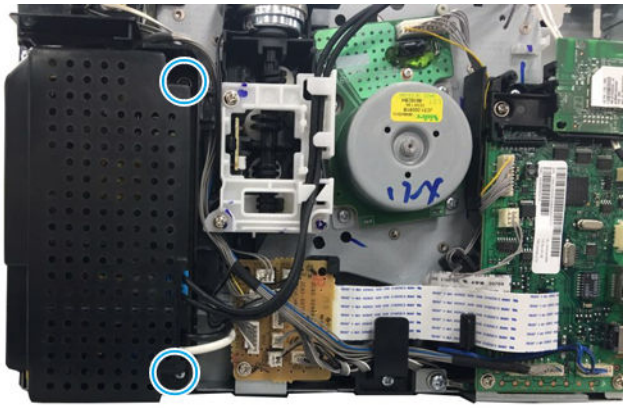
   Figure 1-91 Remove the right cover



3. Remove the fuser assembly.

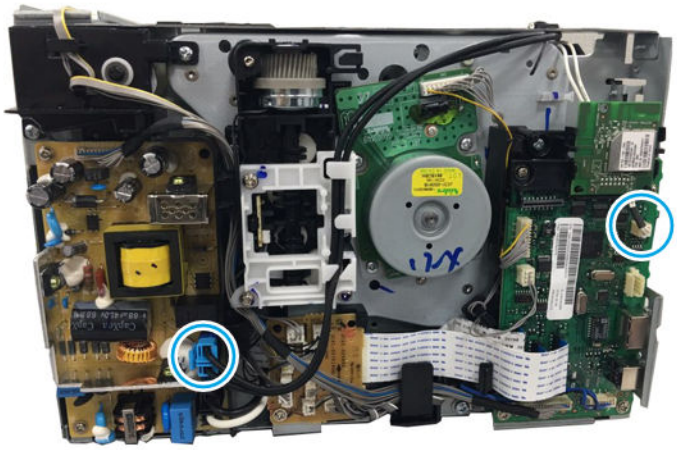
   a. Remove two screws and then Remove the LVPS cover.

Figure 1-92 Remove the LVPS cover



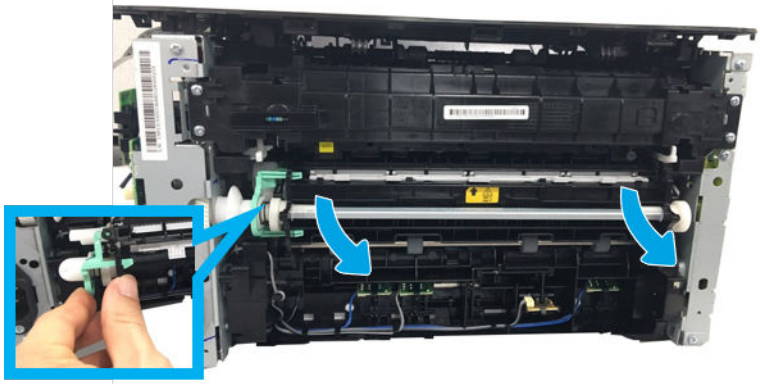
b. Disconnect two connectors from the LVPS board and Formatter (Main PCA).

Figure 1-93 Disconnect two connectors



c. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-94 Open the transfer roller assembly

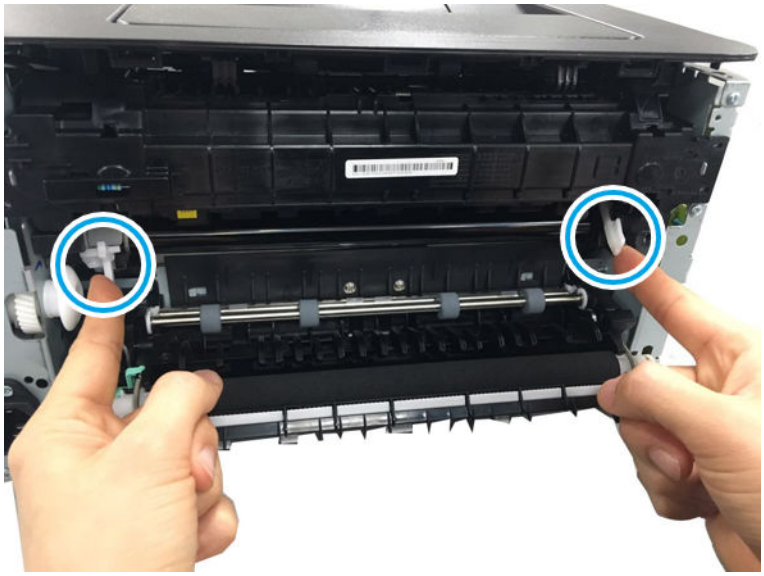


d. Remove four screws.

Figure 1-95 Remove four screws

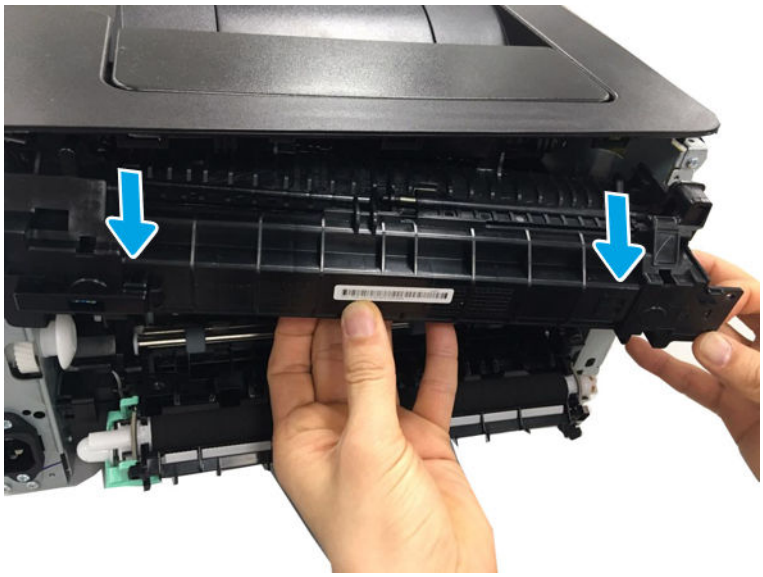
e. Release the both fuser fixers.

Figure 1-96 Release the both fuser fixers



f. Remove the fuser assembly.

Figure 1-97 Remove the fuser



4. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Fuser

This document provides the procedures to remove and replace the fuser.

Mean time to repair: 7 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-21 Part information

Part number	Description
JC91-01080A	FUSER 220V
JC91-01079A	FUSER 110V

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.

   a. Remove four screws from the rear of the machine, and then remove the rear cover.

   Figure 1-98 Remove the rear cover

   b. Open the front cover.

   Figure 1-99 Open the front cover

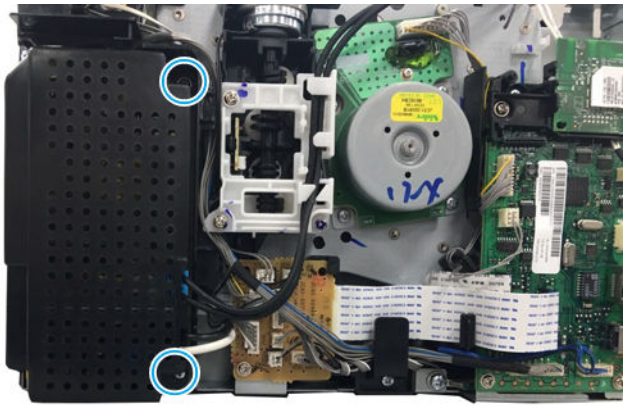
c. Remove the right cover.

Figure 1-100 Remove the right cover

2. Remove the fuser assembly.

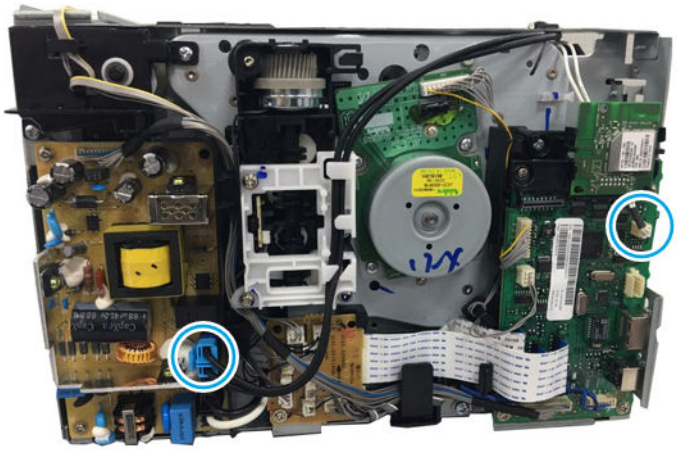
a. Remove two screws, and then remove the LVPS cover.

Figure 1-101 Remove the LVPS cover



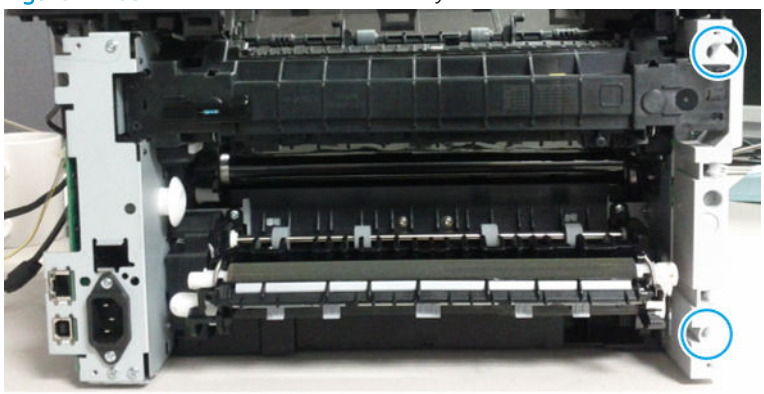
b. Disconnect two connectors from the LVPS board and Formatter (Main PCA).

Figure 1-102 Disconnect two connectors



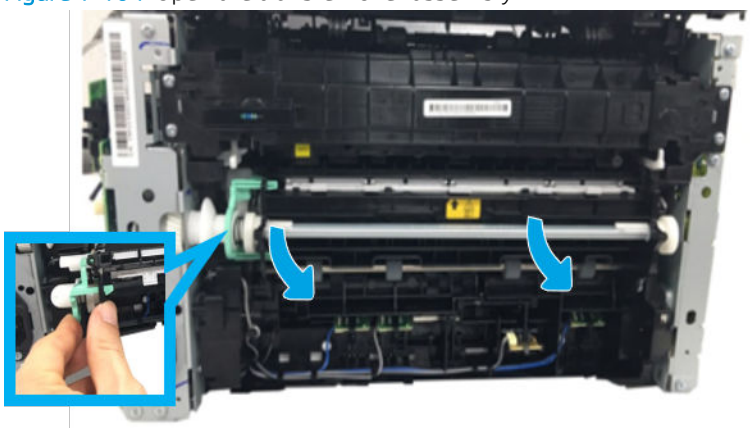
c. Remove two screws, and then remove the Frame-Dummy MFP.

Figure 1-103 Remove the frame-dummy



d. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-104 Open the transfer roller assembly



e. Remove four screws.

Figure 1-105 Remove four screws

f. Release the both fuser fixers.

Figure 1-106 Release the both fuser fixers

g. Remove the fuser assembly.

Figure 1-107 Remove the fuser

3. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Transfer roller assembly

This document provides the procedures to remove and replace the transfer roller assembly.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-22 Part information

Part number	Description
JC93-00708A	Transfer roller assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

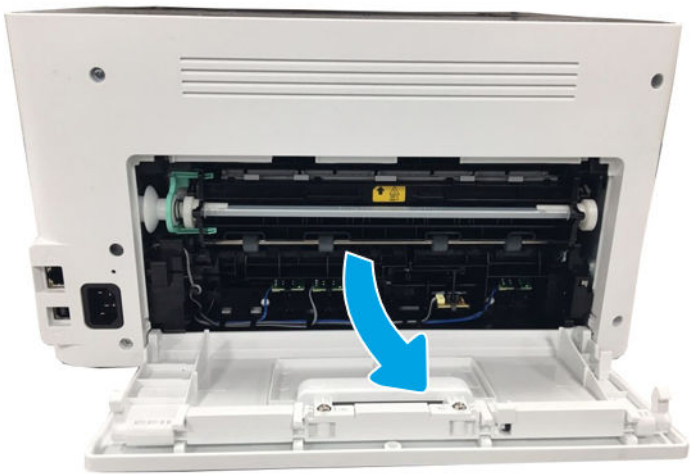
Post service test

No post service test is available for this assembly.

1. Remove the transfer roller assembly.

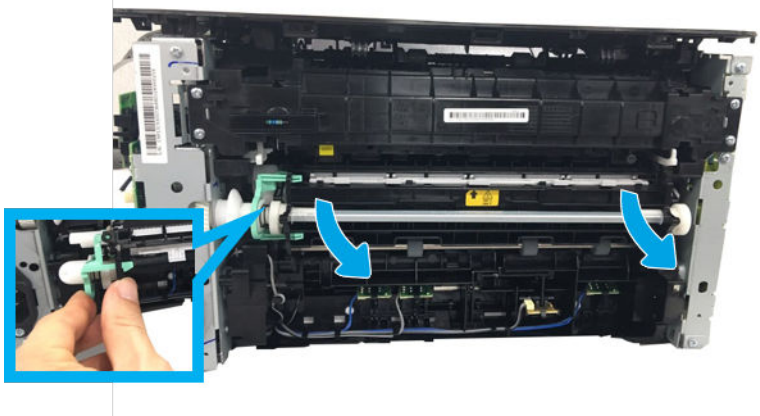
   a. Open the rear cover door.

   Figure 1-108 Open the rear cover door



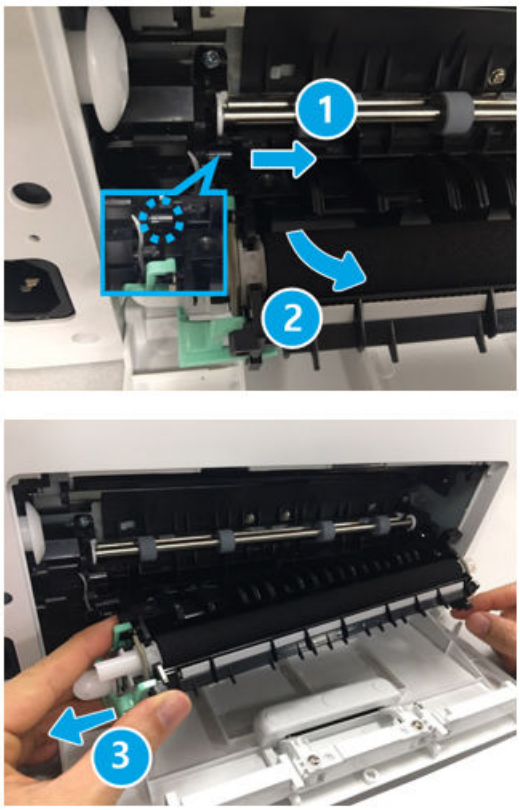
   b. Release the transfer roller assembly while pushing its left green holder to the right.

   Figure 1-109 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-110 Remove the transfer roller assembly



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Transfer(T2) roller

This document provides the procedures to remove and replace the transfer(T2) roller.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-23 Part information

Part number	Description
JC93-00708A	Transfer roller assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

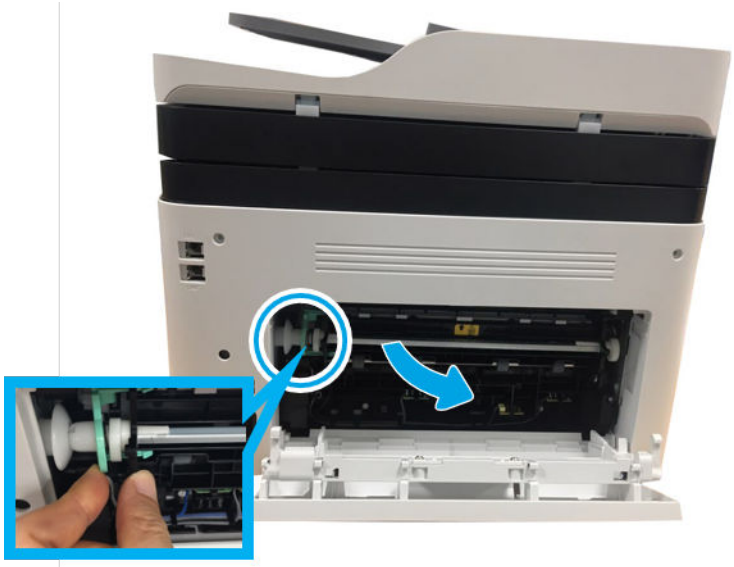
No post service test is available for this assembly.

1. Remove the transfer roller assembly.
   a. Open the rear cover door.

Figure 1-111 Open the rear cover door

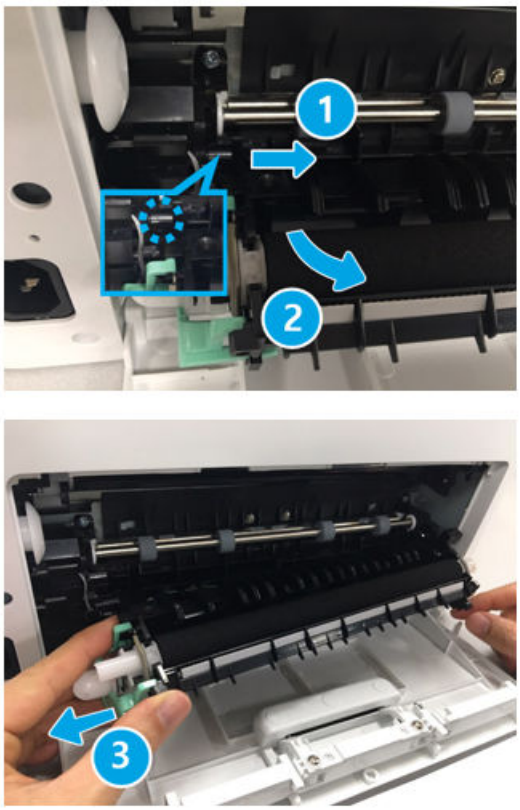
b. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-112 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-113 Remove the transfer roller assembly



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Pick-up roller

This document provides the procedures to remove and replace the pick-up roller.

Mean time to repair: 5 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

- Remove toner, drum, TCU

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-24 Part information

Part number	Description
JC93-00553A	Pickup roller assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

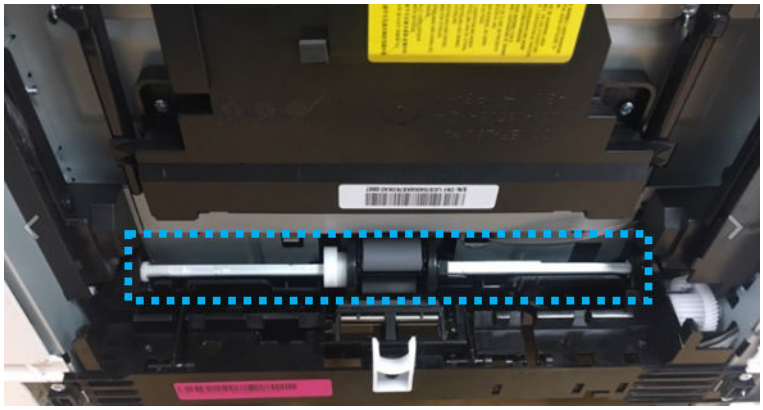
No post service test is available for this assembly.

1. Remove the pick-up roller.
   a. Remove the cassette.

Figure 1-114 Remove the cassette

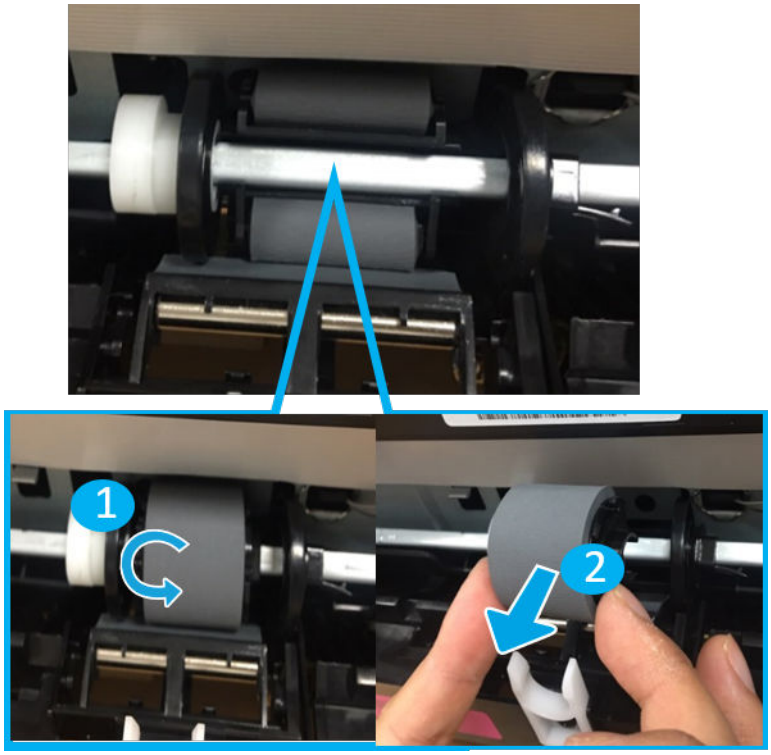
b. Stand the machine to see the bottom.

Figure 1-115 Stand the machine



c. Move the right stopper(callout 1) to the right while unlocking the latch. Rotate the pickup roller. And then, remove the pickup roller.

Figure 1-116 Remove the pickup roller

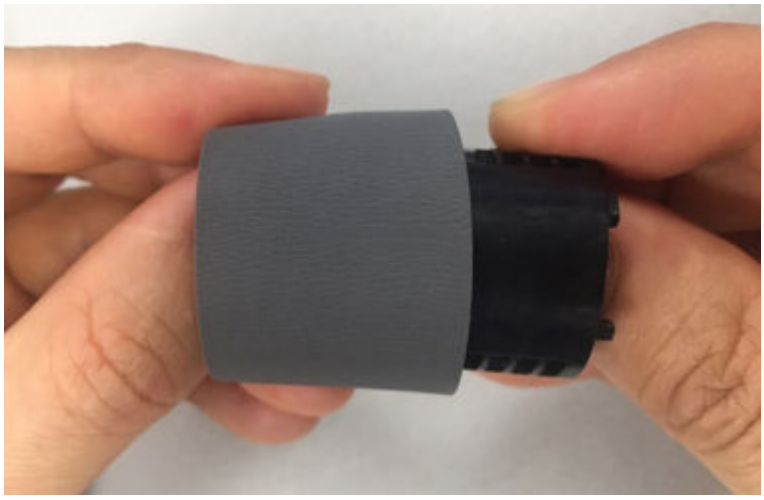


d. Release four hooks from both sides to separtate the pickup roller.

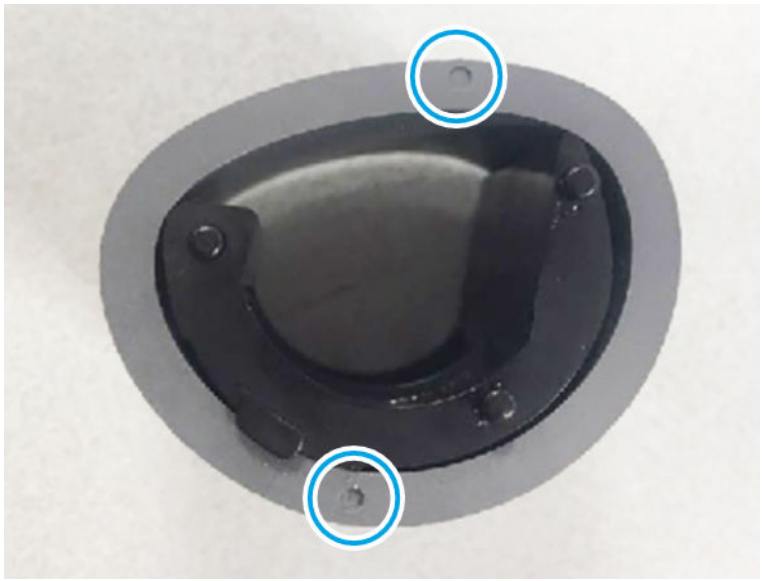
Figure 1-117 Release the hook

e. Separate the pickup rubber from the pickup housing.

Figure 1-118 Release the rubber



NOTE: When reassembling the pickup rubber, be careful not to change its direction. The side of the rubber that has two circle points must be aligned with three protrusions of the pickup housing.



NOTE: When reassembling the pickup roller, be careful not to change the direction of the pickup housing. Three protrusions of the pickup housing must be on the right.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Pick-up roller

This document provides the procedures to remove and replace the pick-up roller.

Mean time to repair: 5 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

- Remove toner, drum, TCU

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-25 Part information

Part number	Description
JC93-00553A	Pickup roller assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

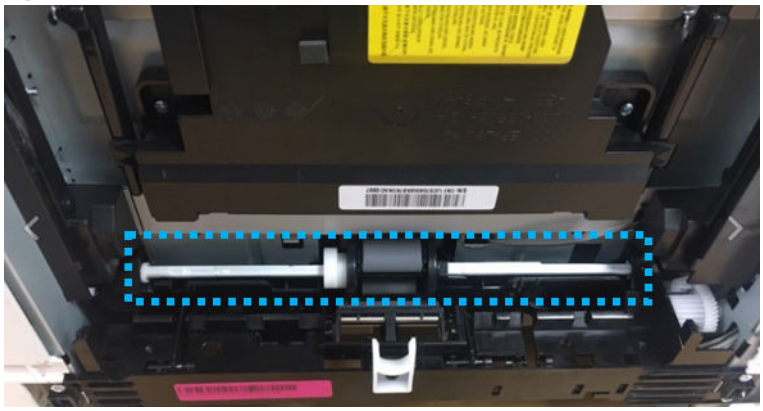
No post service test is available for this assembly.

1. Remove the pickup roller.
   a. Remove the cassette.

      Figure 1-119 Remove the cassette

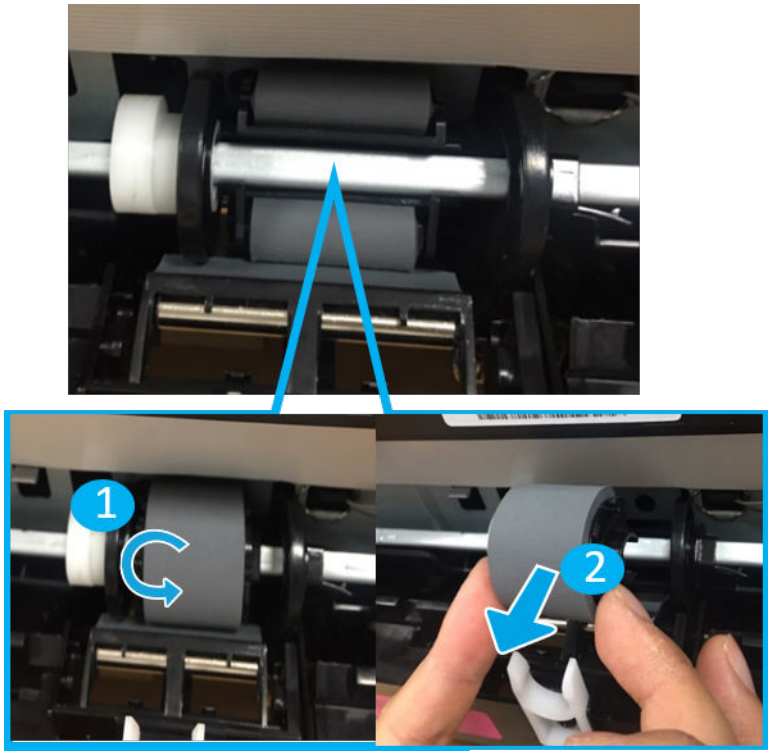
   b. Stand the machine to see the bottom.

      Figure 1-120 Stand the machine

c. Move the right stopper(callout 1) to the right while unlocking the latch. Rotate the pickup roller. And then, remove the pickup roller.

Figure 1-121 Remove the pickup roller

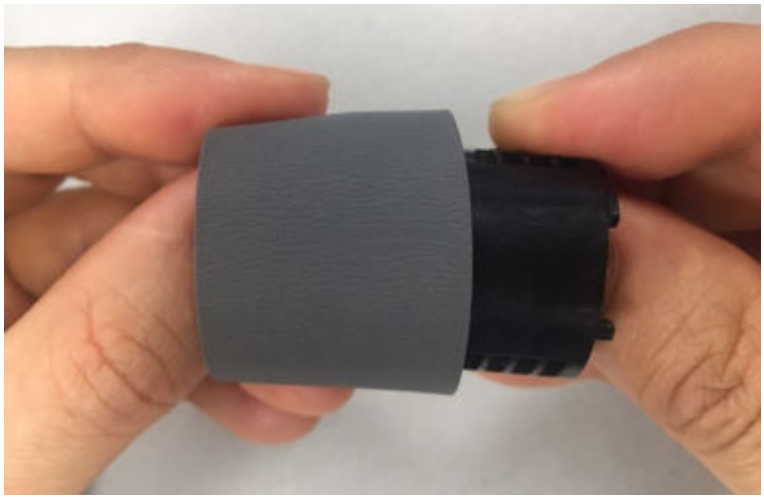


d. Release four hooks from both sides to separtate the pickup roller.

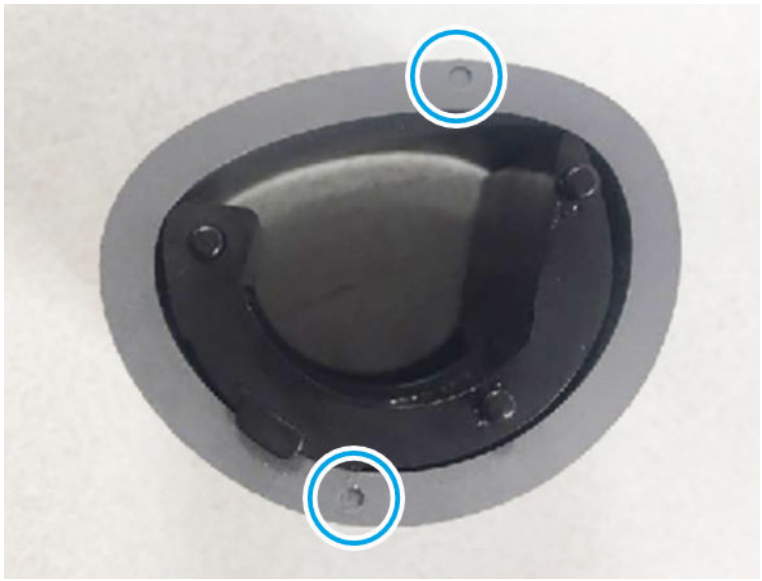
Figure 1-122 Release the hook

e. Separate the pickup rubber from the pickup housing.

Figure 1-123 Release the rubber



NOTE: When reassembling the pickup rubber, be careful not to change its direction. The side of the rubber that has two circle points must be aligned with three protrusions of the pickup housing.



NOTE: When reassembling the pickup roller, be careful not to change the direction of the pickup housing. Three protrusions of the pickup housing must be on the right.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Formatter (Main PCA)

This document provides the procedures to remove and replace the Formatter (Main PCA).

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-26 Part information

Part number	Description
JC92-03026A	Formatter (Main PCA) (150a)
JC92-03026B	Formatter (Main PCA) (150nw)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

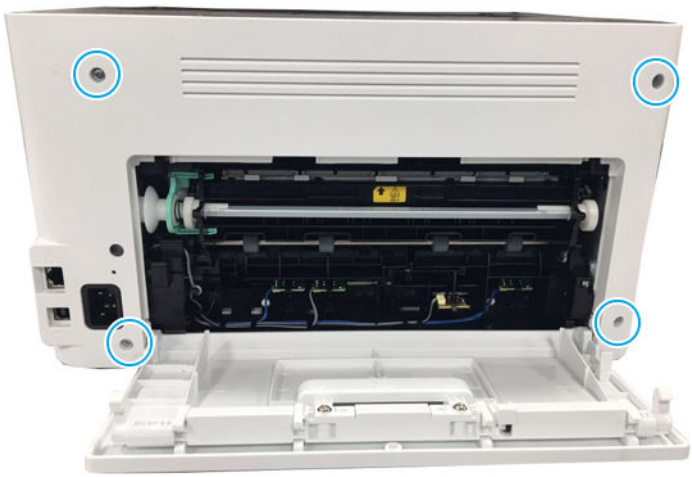
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

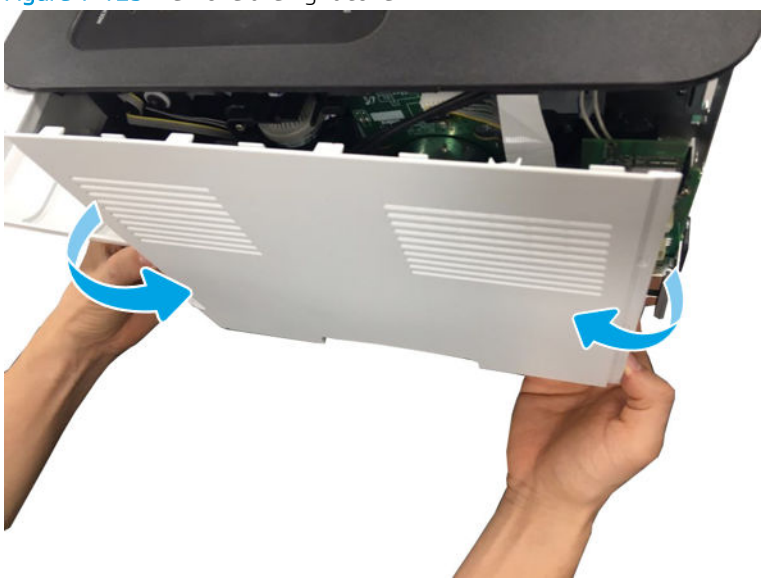
   Figure 1-124 Remove the rear cover



2. Remove the right cover.

   ▲ Open the front door, and then remove the right cover by releasing the hooks.

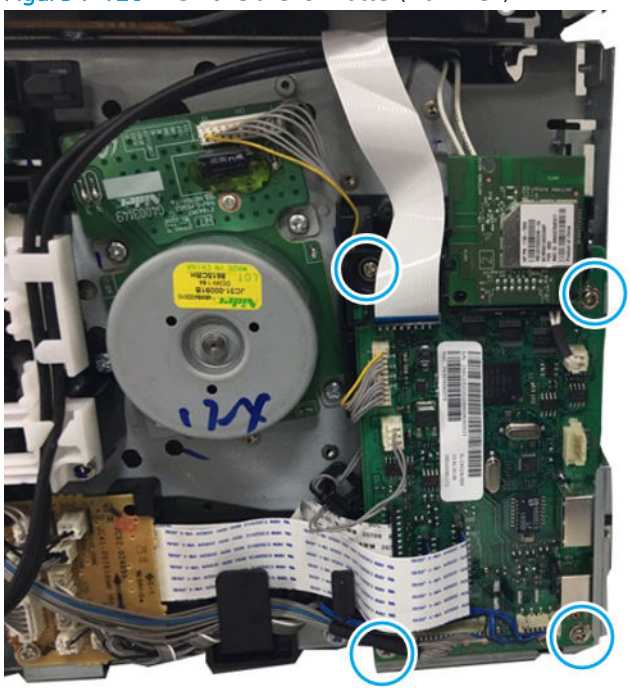
   Figure 1-125 Remove the right cover



3. Remove the Formatter(Main PCA)

▲ Disconnect all connectors. Remove four screws. And then, remove the Formatter(Main PCA)

Figure 1-126 Remove theFormatter(Main PCA)



4. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Formatter (Main PCA)

This document provides the procedures to remove and replace the main board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-27 Part information

Part number	Description
JC92-03027A	Formatter (Main PCA) (178nw,178nwg)
JC92-03027B	Formatter (Main PCA) (179fnw,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

      Figure 1-127 Remove four screws

b. Open the front cover.

Figure 1-128 Open the front cover

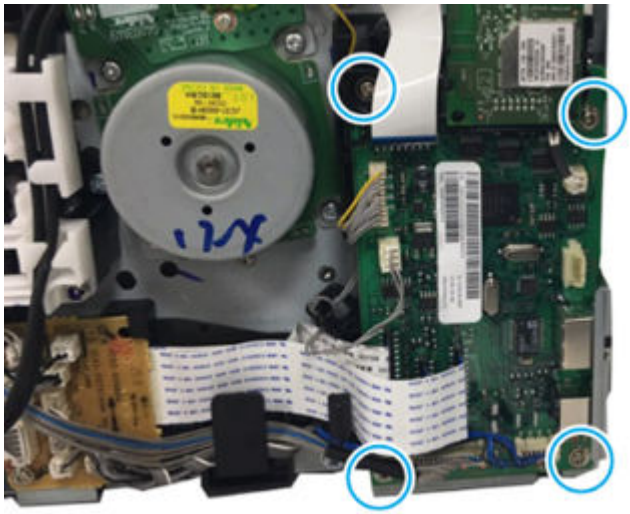
c. Release the right cover.

Figure 1-129 Remove right cover

2. Remove the formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove the formatter(Main PCA).

Figure 1-130 Remove the formatter (Main PCA)



3. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Fax PCA

This document provides the procedures to remove and replace the Fax board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-28 Part information

Part number	Description
JC92-03045A	Fax PCA (179fnw,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

      Figure 1-131 Remove four screws

b. Open the front cover.

Figure 1-132 Open the front cover

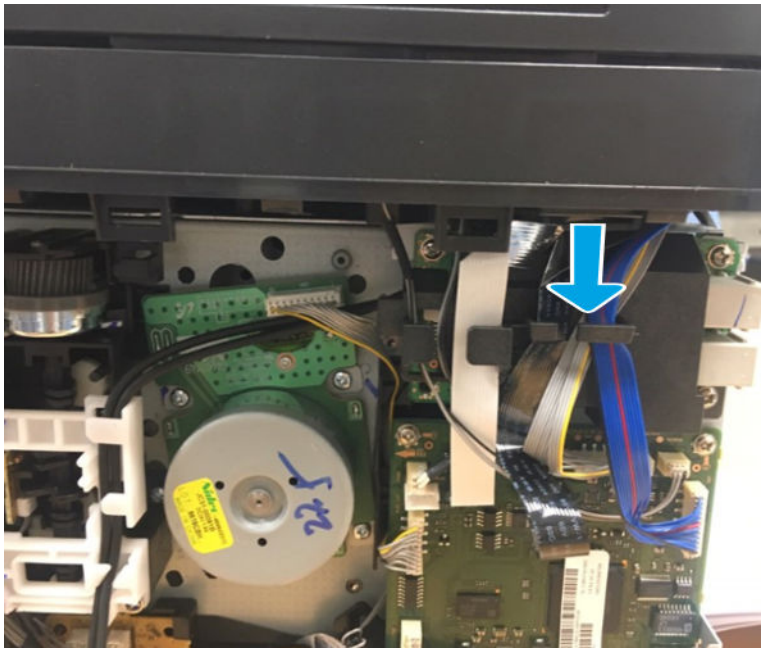
c. Release the right cover.

Figure 1-133 Remove right cover

2. Remove the fax PCA.

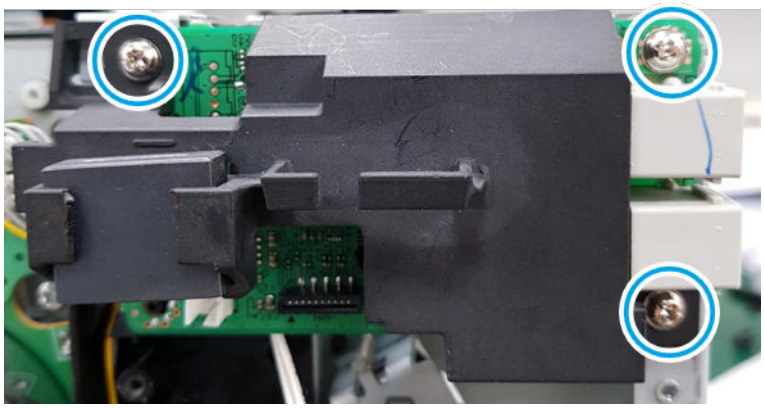
a. Release all cables from the cable holder. And then, disconnect the fax FFC on the fax PCA.

Figure 1-134 Release harness



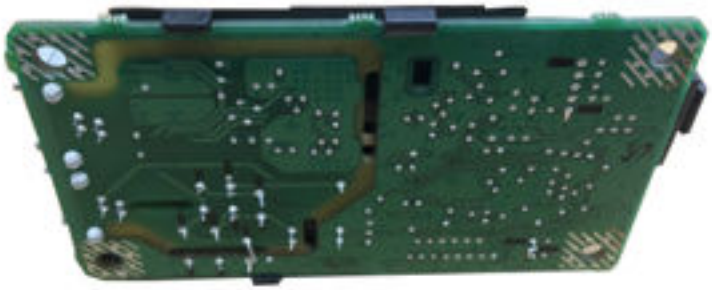
b. Remove three screws. And then, remove the fax PCA with the cover.

Figure 1-135 Remove the three screws



c. Release the hook, and then remove the fax PCA cover.

Figure 1-136 Remove the fax PCA cover



3. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: LVPS board

This document provides the procedures to remove and replace the LVPS board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-29 Part information

Part number	Description
JC44-00214A	LVPS-V2 (220V)
JC44-00213A	LVPS-V1 (110V)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

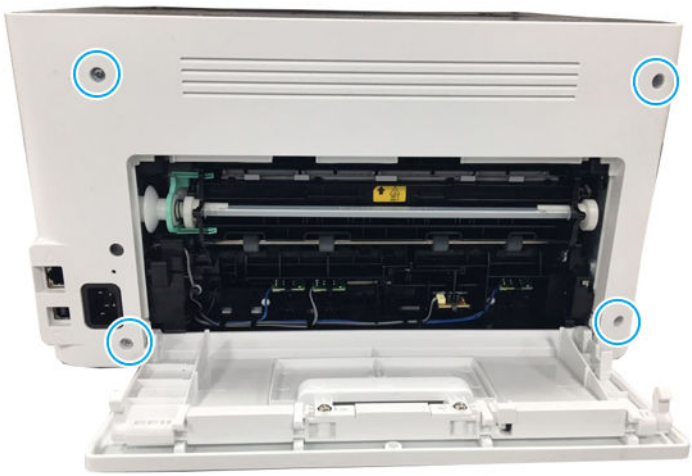
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

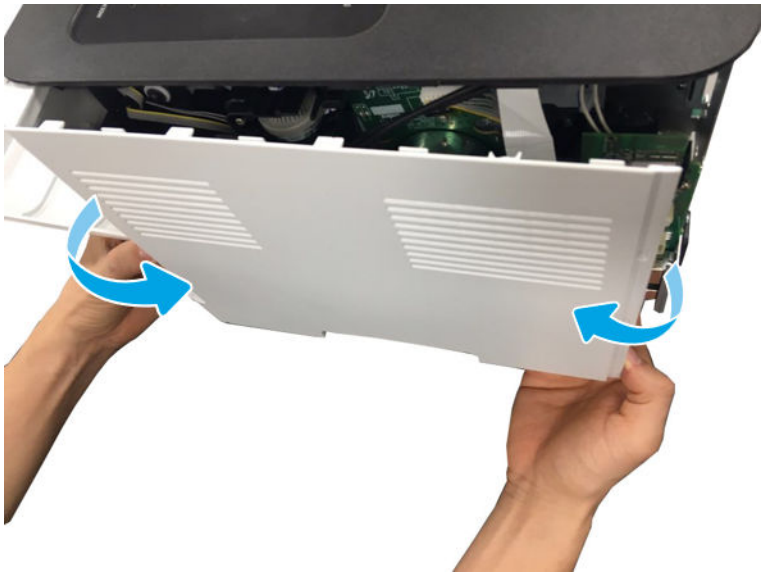
1. Remove the rear cover.
   - ▲ Open the rear door. Remove four screws. And then, release the rear cover.

     Figure 1-137 Remove the rear cover



2. Remove the right cover.
   - ▲ Open the front door, and then remove the right cover by releasing the hooks.

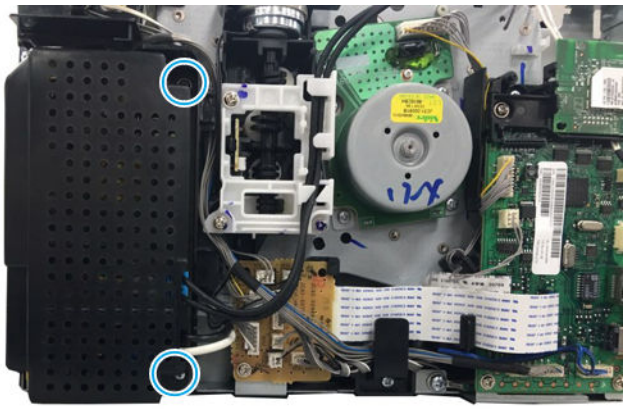
Figure 1-138 Remove the right cover



3. Remove the LVPS board.

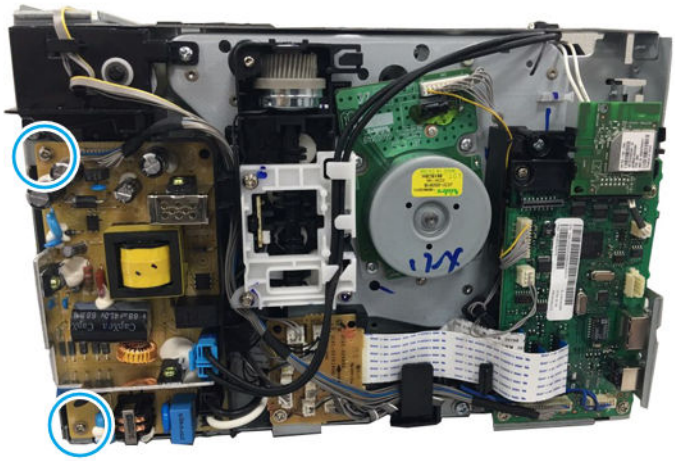
   a. Remove two screws, and then remove the LVPS cover.

Figure 1-139 Remove LVPS cover



b. Disconnect all connectors on LVPS board. Remove two screws. And then, remove the LVPS board.

Figure 1-140 Remove LVPS board



4. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: LVPS board

This document provides the procedures to remove and replace the LVPS board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-30 Part information

Part number	Description
JC44-00214A	LVPS-V2 (220V)
JC44-00213A	LVPS-V1 (110V)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

      Figure 1-141 Remove four screws

b. Open the front cover.

Figure 1-142 Open the front cover

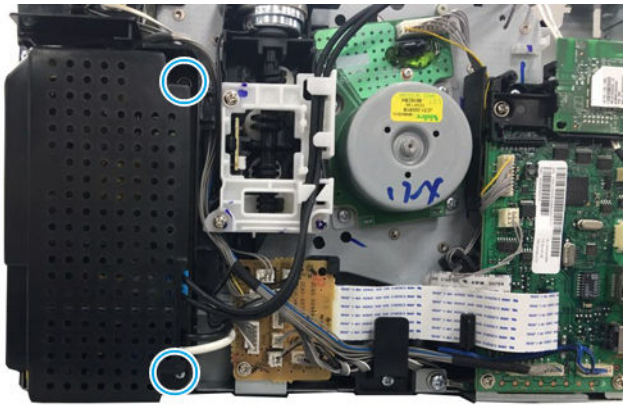
c. Release the right cover.

Figure 1-143 Remove right cover

2. Remove the LVPS board.

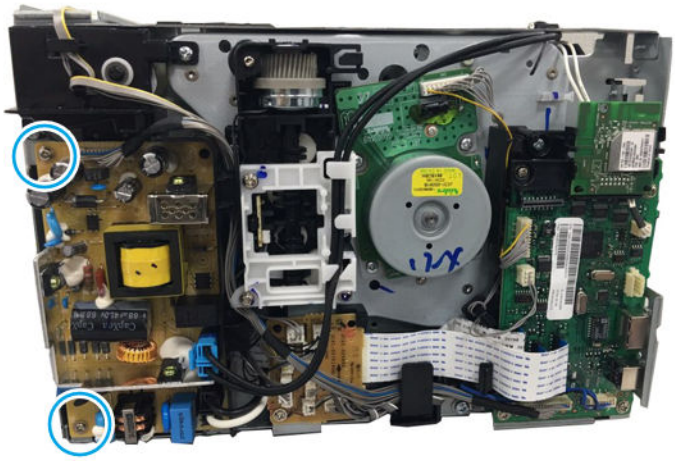
a. Remove two screws, and then remove the LVPS cover.

Figure 1-144 Remove LVPS cover



b. Disconnect all connectors on LVPS board. Remove two screws. And then, remove the LVPS board.

Figure 1-145 Remove LVPS board



3. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: HVPS board

This document provides the procedures to remove and replace the HVPS board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-31 Part information

Part number	Description
JC44-00215B	HVPS board

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

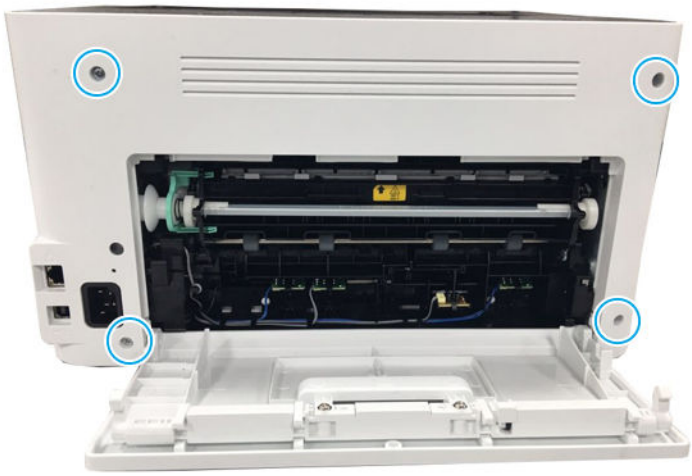
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

1. Remove the rear cover.
   - ▲ Open the rear door. Remove four screws. And then, release the rear cover.

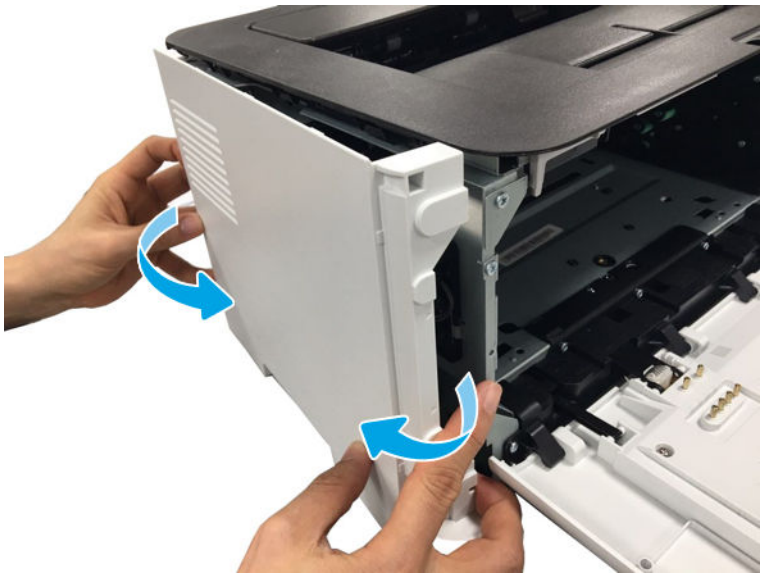
Figure 1-146 Remove four screws



2. Remove the left cover.

   ▲ Open the front door, and then remove the left cover by releasing the hooks.

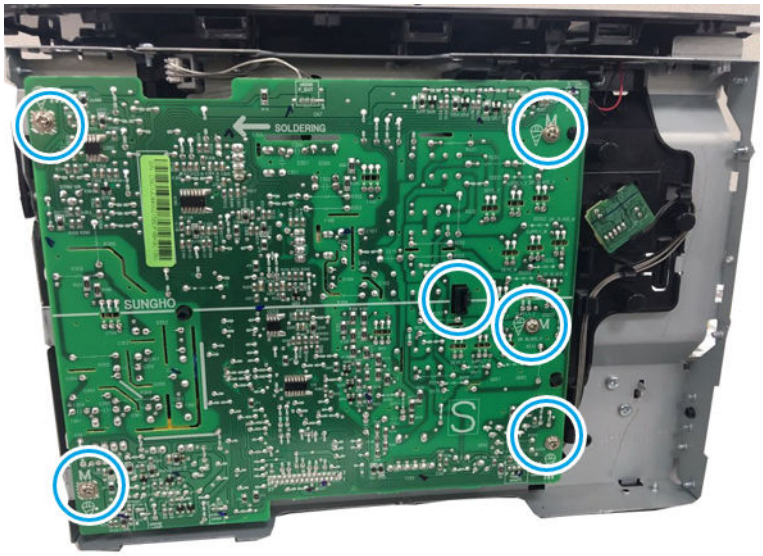
   Figure 1-147 Remove the left cover



3. Remove the HVPS board.

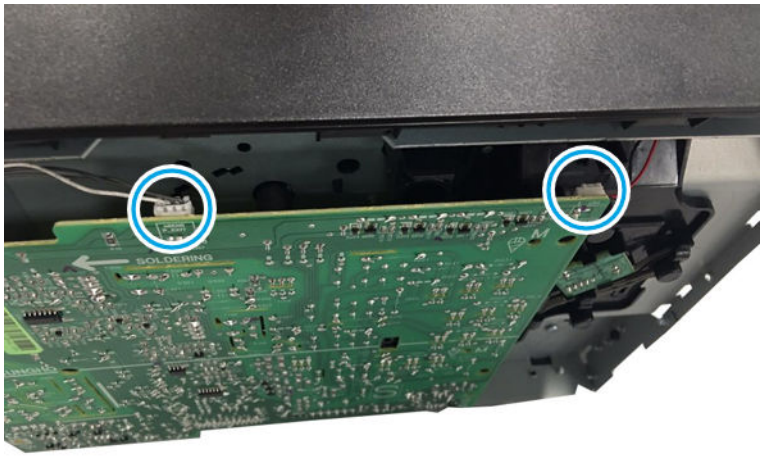
   a. Remove five screws. Release one lock. And then, position the HVPS board down.

Figure 1-148 Remove five screws and one lock



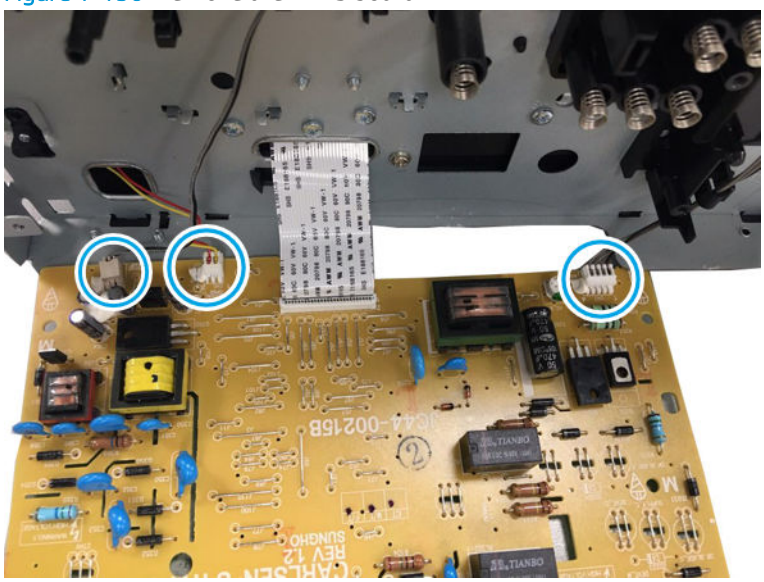
b. Remove the two connectors.

Figure 1-149 Remove the two connect



c. Disconnect three conectors, and then remove the HVPS board.

Figure 1-150 Remove the HVPS board



4. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: HVPS board

This document provides the procedures to remove and replace the HVPS board.

Mean time to repair: 3 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-32 Part information

Part number	Description
JC44-00215B	HVPS board

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the rear cover.
   a. Open the rear door. Remove four screws. And then, release the rear cover.

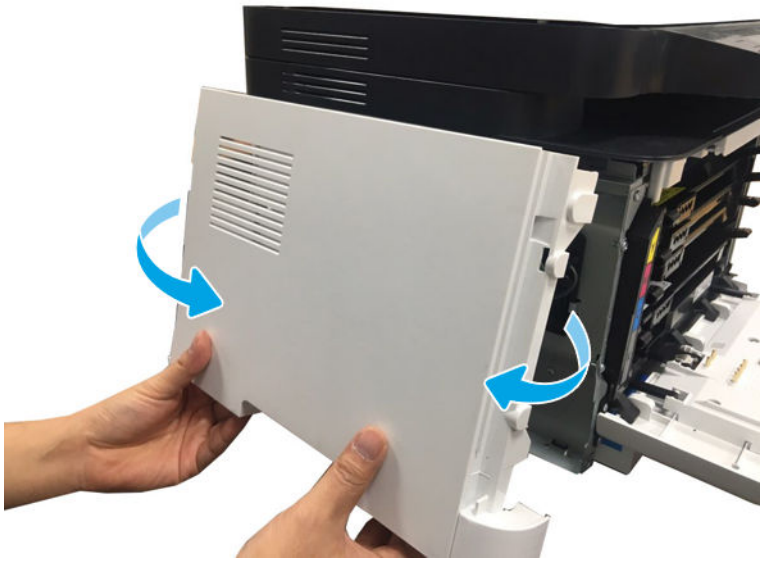
      Figure 1-151 Remove four screw

b. Open the front cover.

Figure 1-152 Open the front cover

c. Remove the left cover by releasing the hooks.

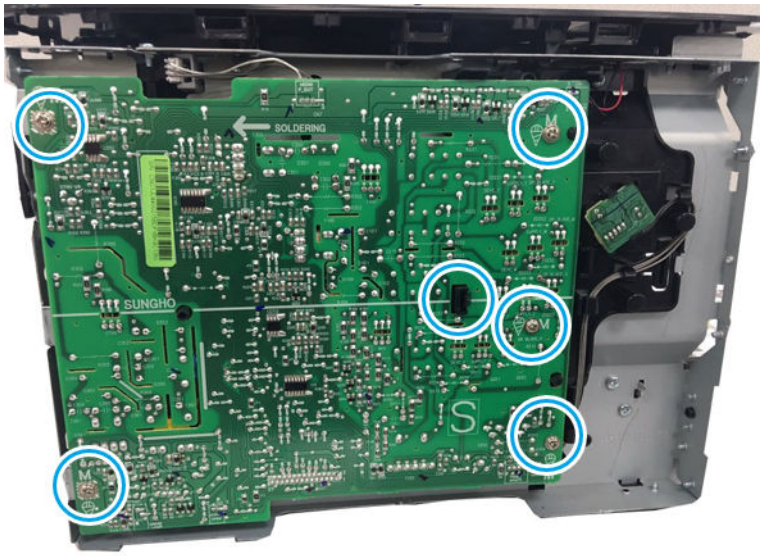
Figure 1-153 Remove left cover



2. Remove the HVPS board.

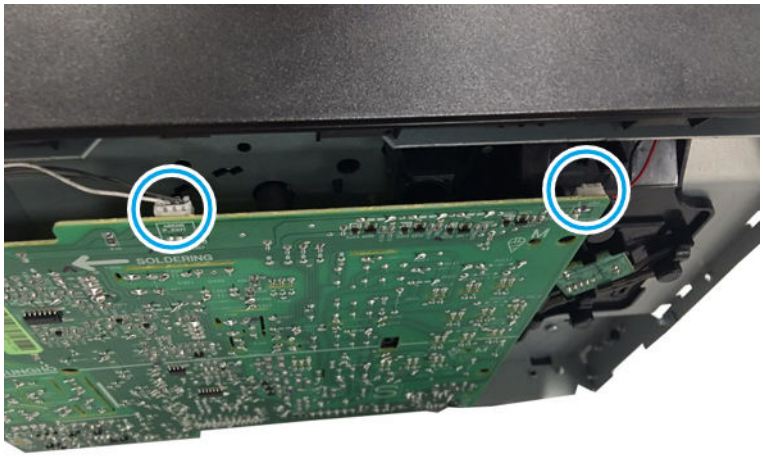
a. Remove five screws. Release one lock. And then, position the HVPS board down.

Figure 1-154 Remove five screws and one lock



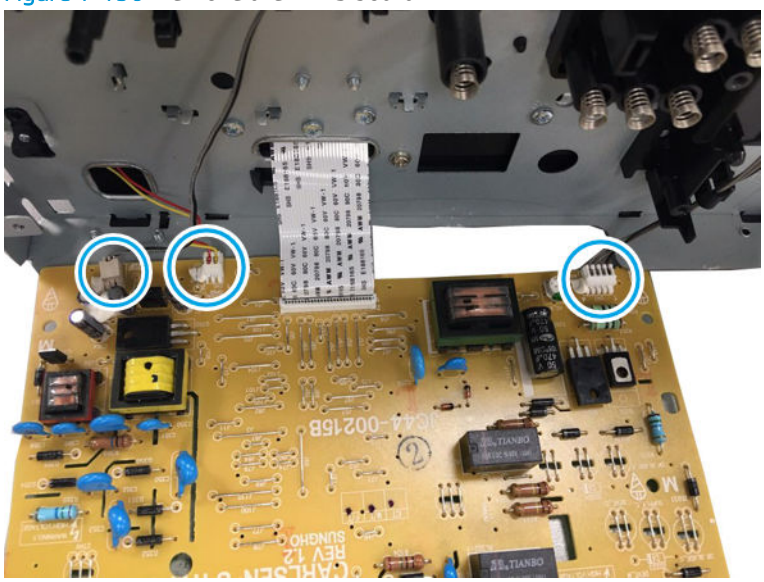
b. Remove the two connectors.

Figure 1-155 Remove the two connect



c. Disconnect three conectors, and then remove the HVPS board.

Figure 1-156 Remove the HVPS board



3. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: LSU

This document provides the procedures to remove and replace the LSU.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

- Remove toner, drum, TCU

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-33 Part information

Part number	Description
JC97-04058A	LSU

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

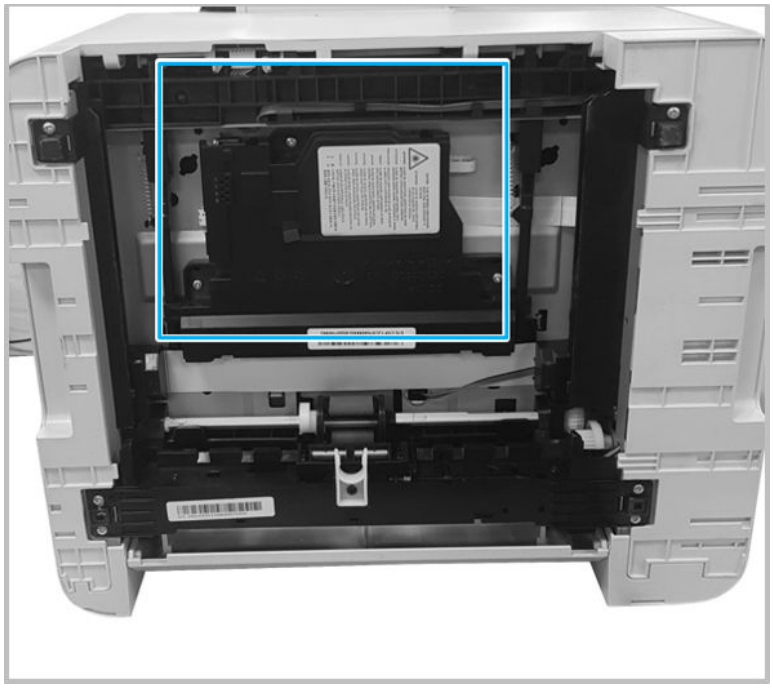
Send a job to the printer, and then verify that print quality is acceptable.

1. Remove the LSU.
   a. Remove the cassette.

      Figure 1-157 Remove the cassette

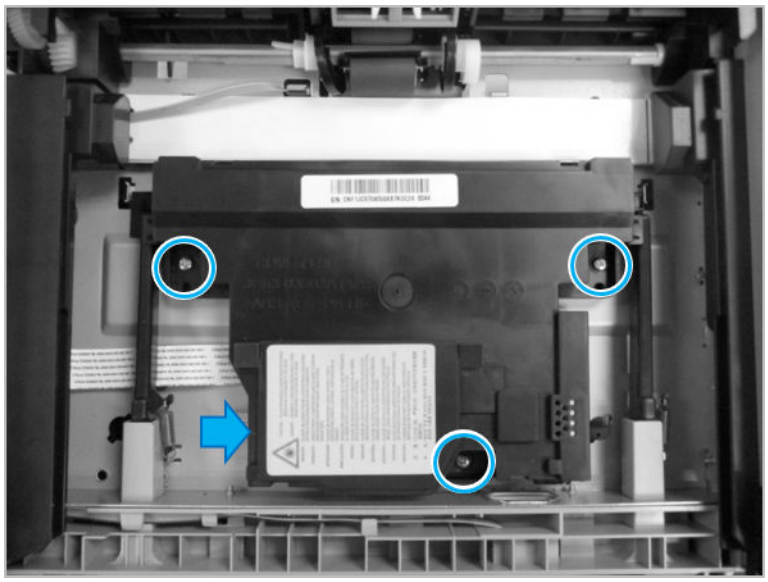
b. Position the printer front side down.

Figure 1-158 Position the printer front side down



c. Remove three screws. Disconnect the flat cable. And then, release the LSU.

Figure 1-159 Remove LSU



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: LSU

This document provides the procedures to remove and replace the LSU.

Mean time to repair: 2 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

- Remove toner, drum, TCU

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-34 Part information

Part number	Description
JC97-04058A	LSU

Required tools

- No special tools are needed to remove or install this assembly.

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.

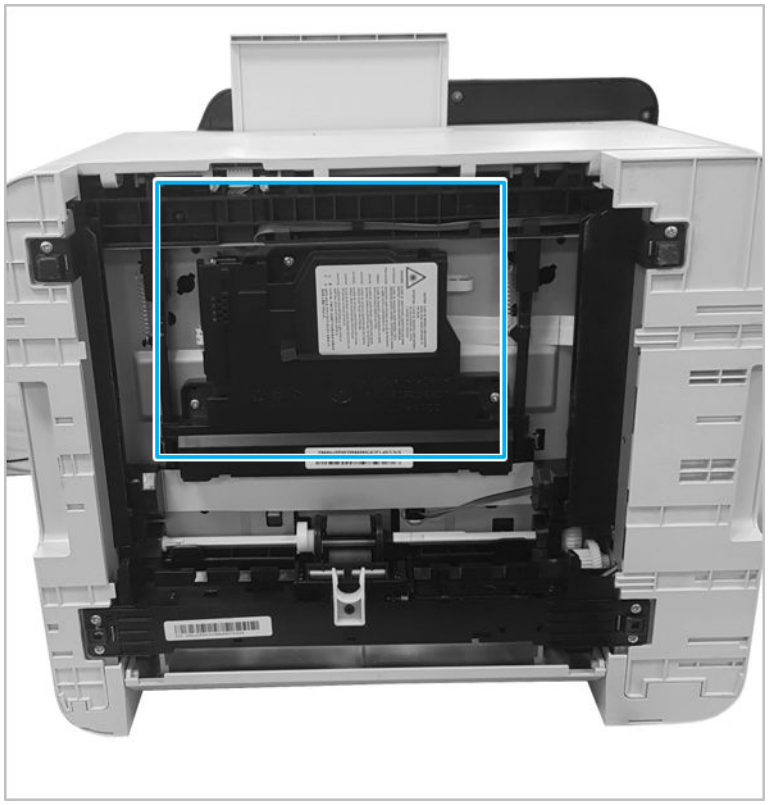
1. Remove the LSU.

   a. Remove the cassette.

   Figure 1-160 Remove the cassette

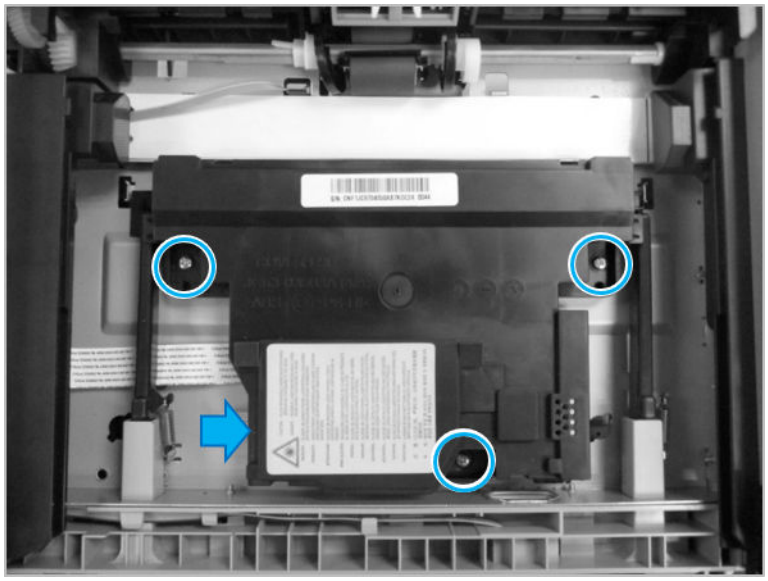
   b. Stand the machine to see the bottom.

   Figure 1-161 Stand the machine



c. Remove three screws. Unplug the flat cable. And release the LSU.

Figure 1-162 Remove LSU



2. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Paper path assembly

This document provides the procedures to remove and replace the paper path assembly.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-35 Part information

Part number	Description
JC93-01564A	Paper path assembly (150a)
JC93-01564B	Paper path assembly (150nw)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

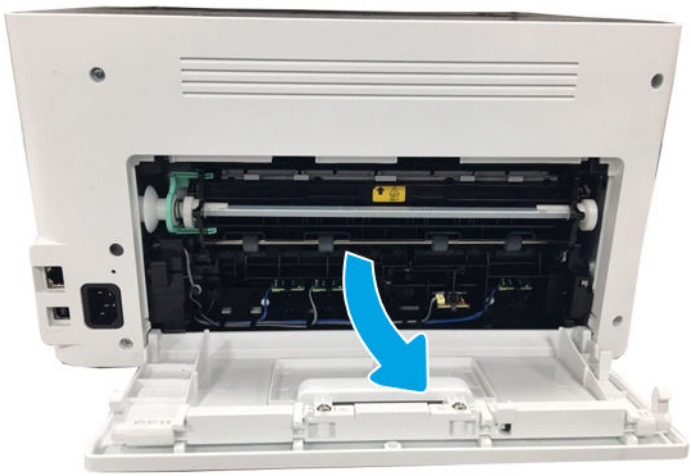
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

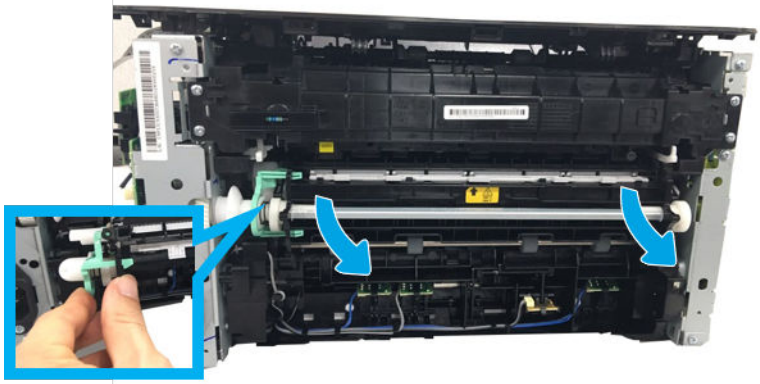
1. Remove the transfer roller assembly.
   a. Open the rear cover door.

      Figure 1-163 Open the rear cover door



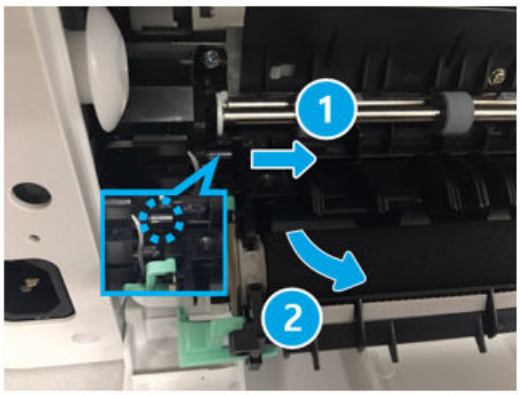
b. Release the transfer roller assembly while pushing its left green holder to the right.

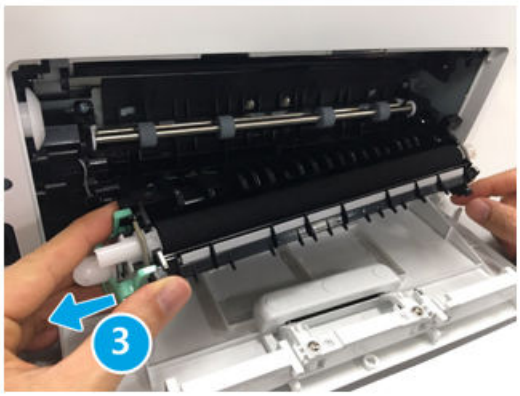
Figure 1-164 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-165 Remove the transfer roller assembly

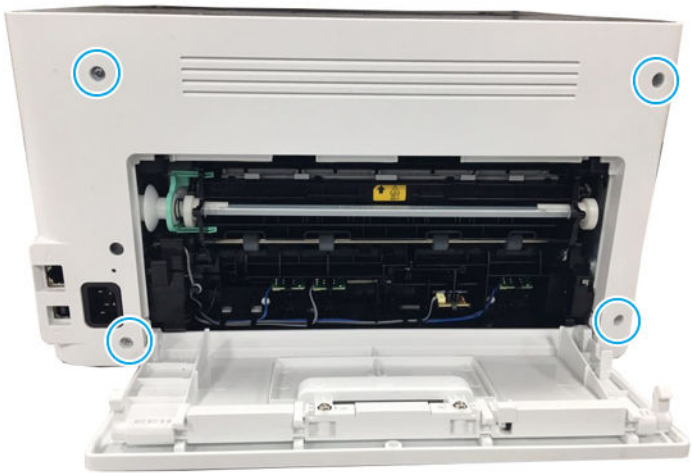




2. Remove the rear cover.

▲ Open the rear door. Remove four screws. And then, release the rear cover.

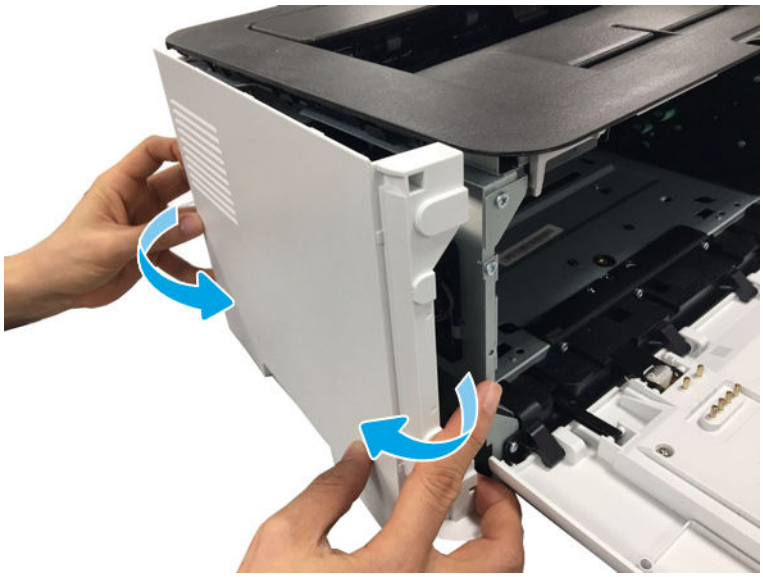
Figure 1-166 Remove the rear cover



3. Remove the left cover.

   ▲ Open the front door, and then remove the left cover by releasing the hooks.

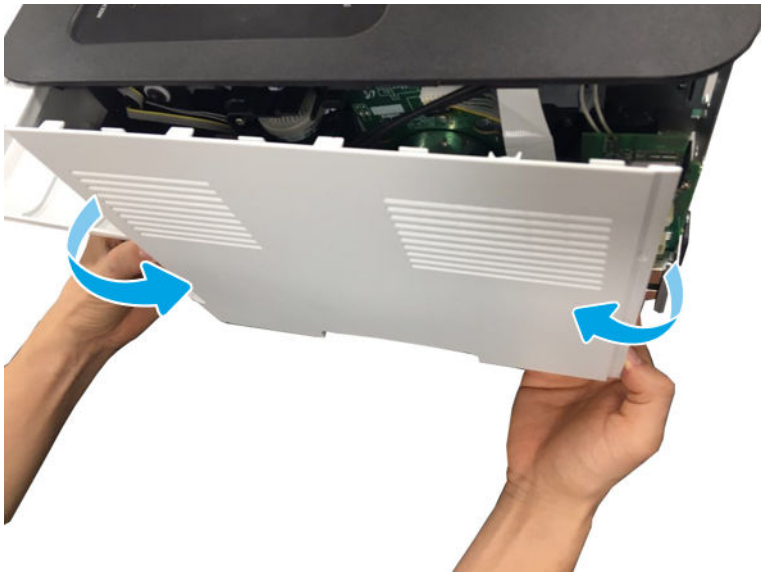
   Figure 1-167 Remove the left cover



4. Remove the right cover.

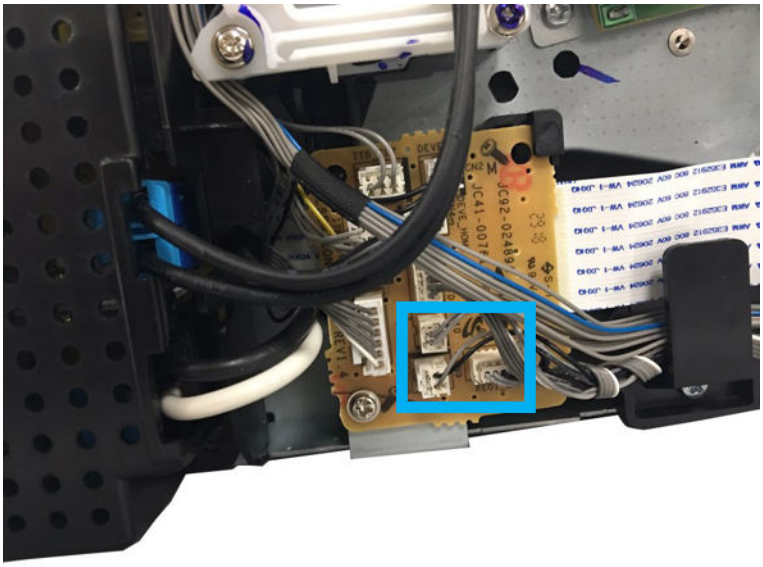
   ▲ Open the front door, and then remove the right cover by releasing the hooks.

Figure 1-168 Remove the right cover



5. Disconnect three connectors from the joint board.

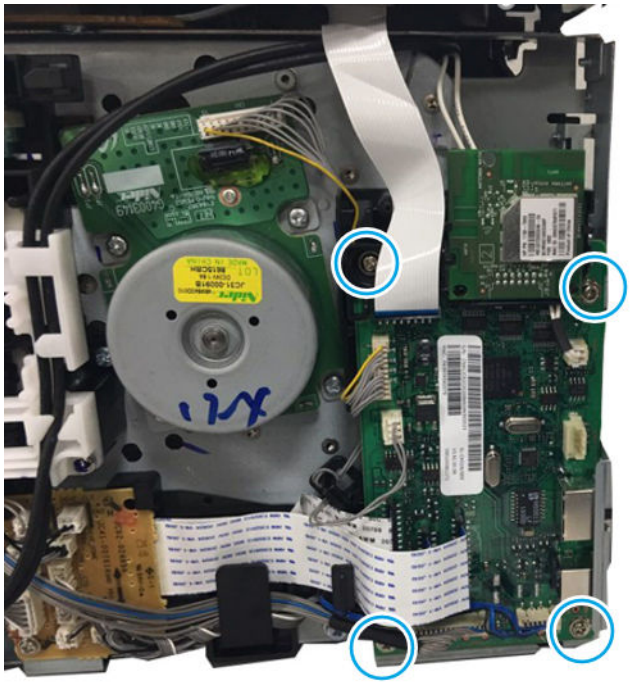
Figure 1-169 Disconnect three connectors



6. Remove the Formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove the Formatter (Main PCA).

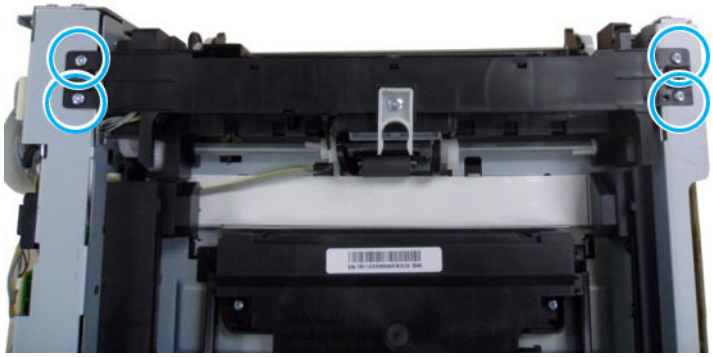
Figure 1-170 Remove the Formatter (Main PCA)



7. Remove the paper-path assembly.

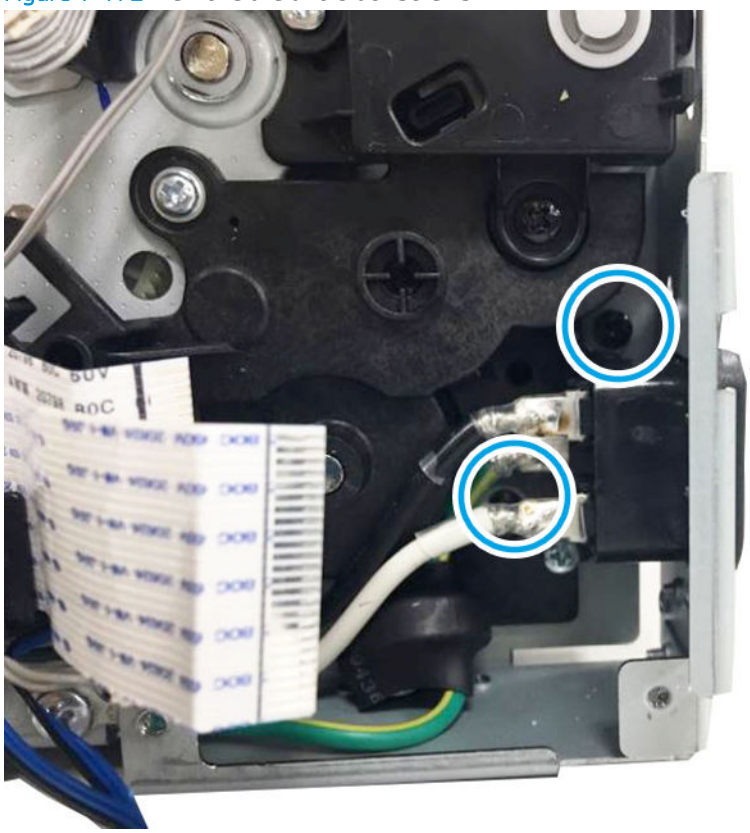
   a. Position the printer front side down, and then remove four screws.

      Figure 1-171 Remove four screw



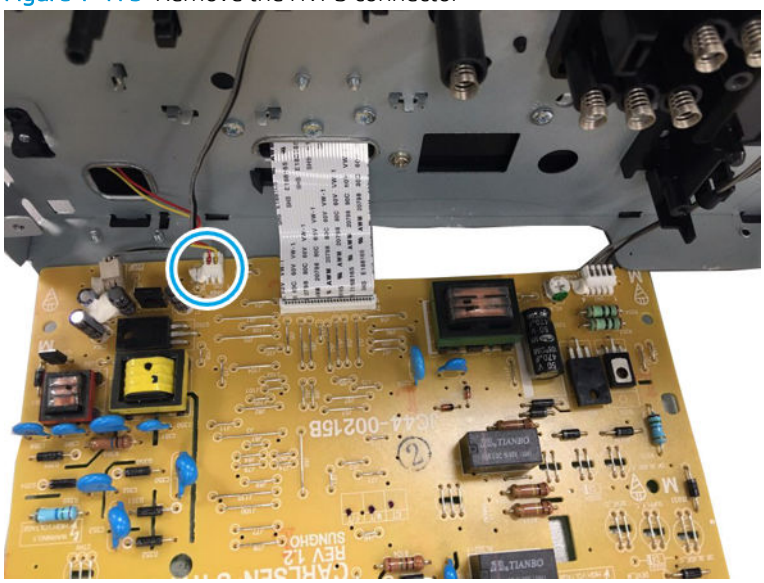
b. Remove the two black screws.

Figure 1-172 Remove the two black screws



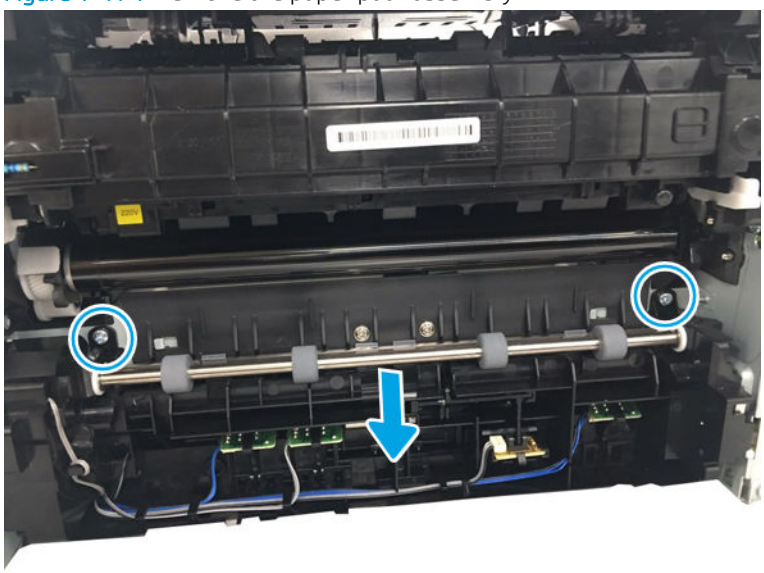
c. Remove the HVPS connector.

Figure 1-173 Remove the HVPS connector



d. Remove two screws, and then remove the paper path assembly.

Figure 1-174 Remove the paper path assembly



8. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Paper path assembly

This document provides the procedures to remove and replace the FRAME BASE-PAPER PATH.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-36 Part information

Part number	Description
JC93-01564C	Paper path assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

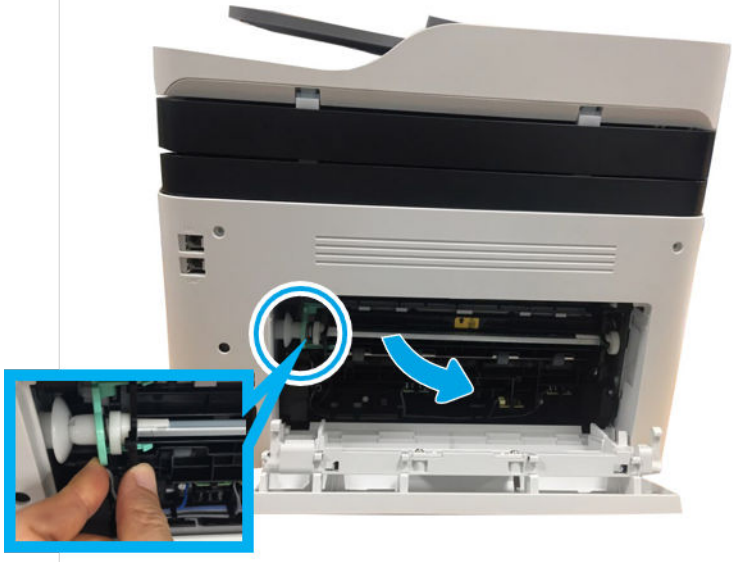
No post service test is available for this assembly.

1. Remove the transfer roller assembly.
   a. Open the rear cover door.

      Figure 1-175 Open the rear cover door

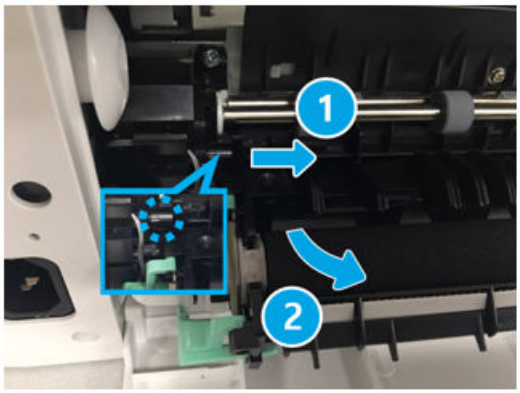
b. Release the transfer roller assembly while pushing its left green holder to the right.

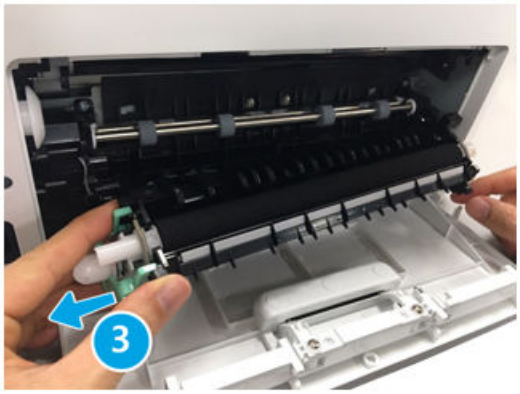
Figure 1-176 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-177 Remove the transfer roller assembly





2. Remove the rear cover.

a. Open the rear door. Remove four screws. And then, release the rear cover.

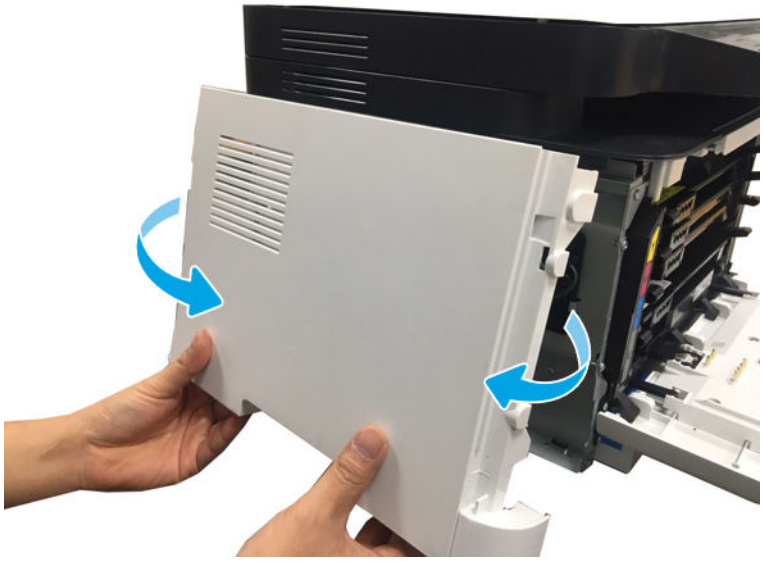
Figure 1-178 Remove the rear cover

b. Open the front cover.

Figure 1-179 Open the front cover

c. Remove the left cover by releasing the hooks.

Figure 1-180 Remove left cover



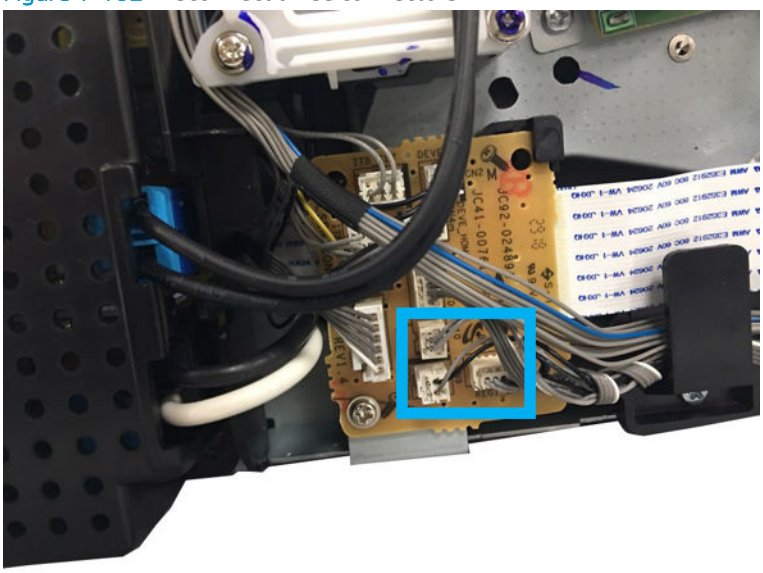
3. Remove the right cover.

▲ Release the right cover.

Figure 1-181 Remove right cover

4. Disconnect three connectors from the joint board.

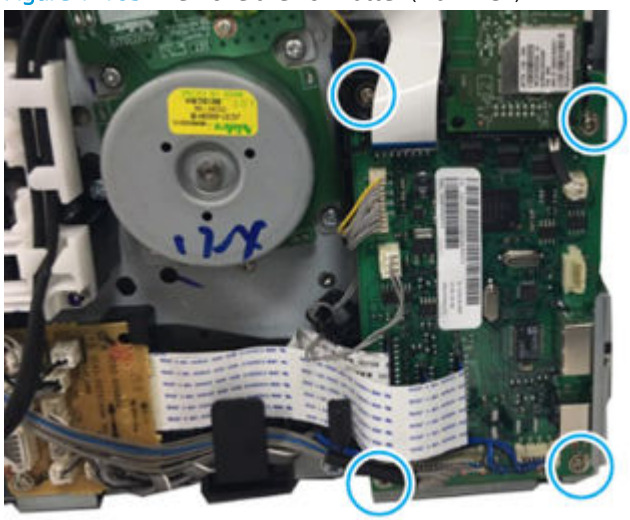
Figure 1-182 Disconnect three connectors



5. Remove the Formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove theFormatter (Main PCA).

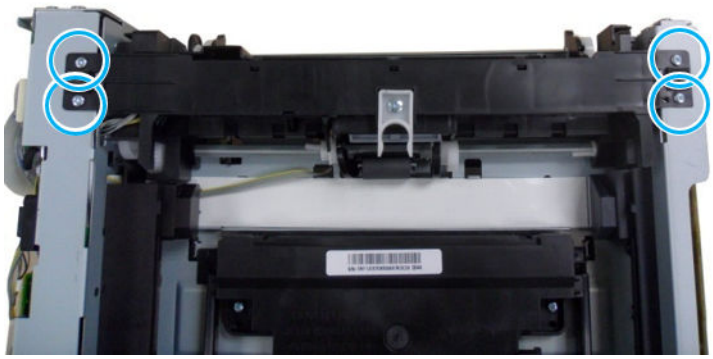
Figure 1-183 Remove the Formatter (Main PCA)



6. Remove the paper-path assembly.

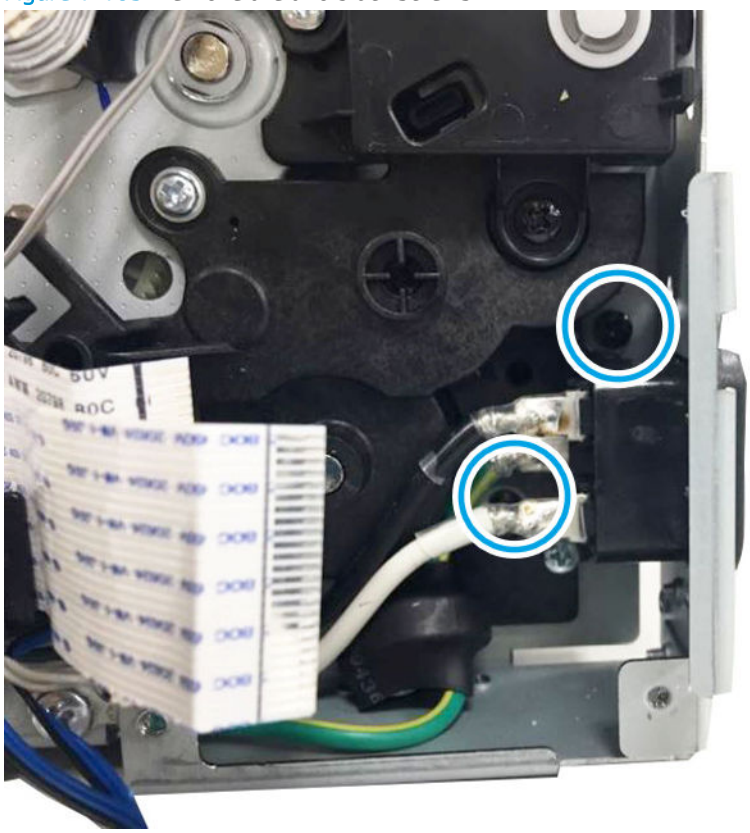
a. Position the printer front side down, and then remove four screws.

Figure 1-184 Remove four screw



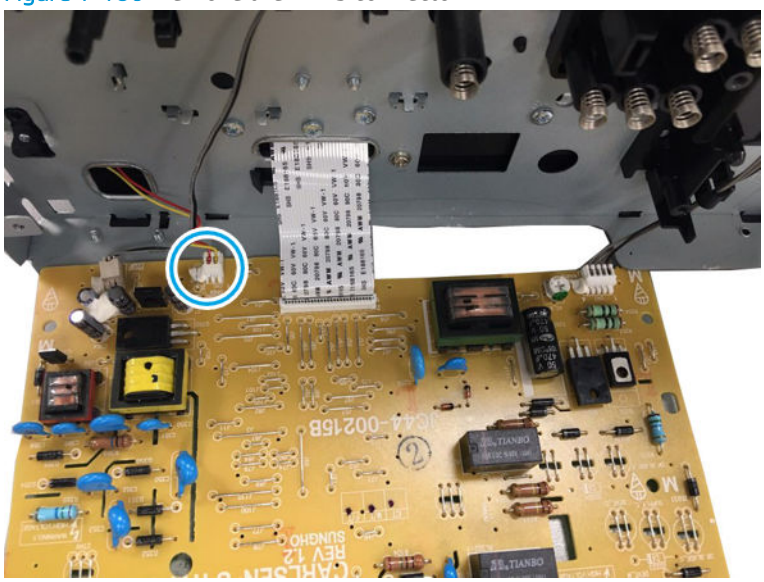
b. Remove the two black screws.

Figure 1-185 Remove the two black screws



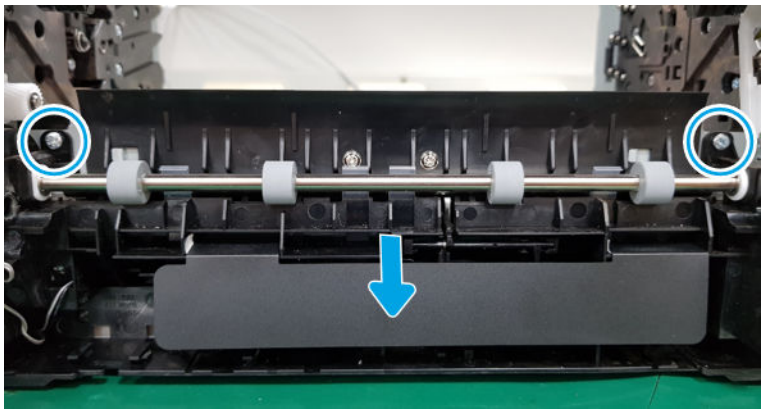
c. Remove the HVPS connector.

Figure 1-186 Remove the HVPS connector



d. Remove two screws, and then remove the paper path assembly.

Figure 1-187 Remove the paper path assembly



7. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Regi clutch and pick up solenoid

This document provides the procedures to remove and replace the regi clutch and pick up solenoid.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-37 Part information

Part number	Description
JC47-00033D	Regi clutch
JC33-00025B	Pick up solenoid

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

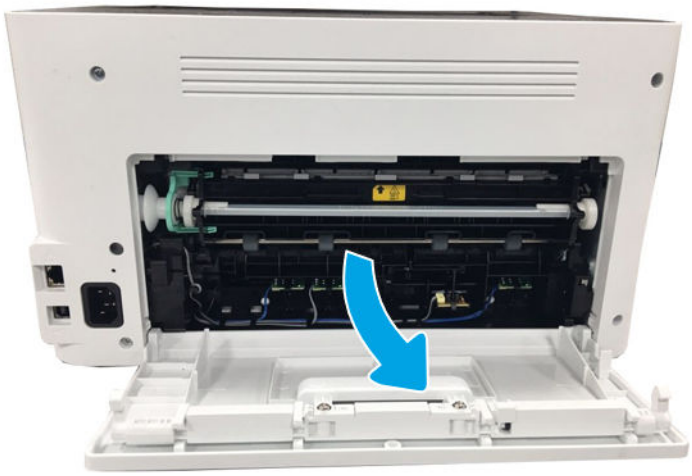
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

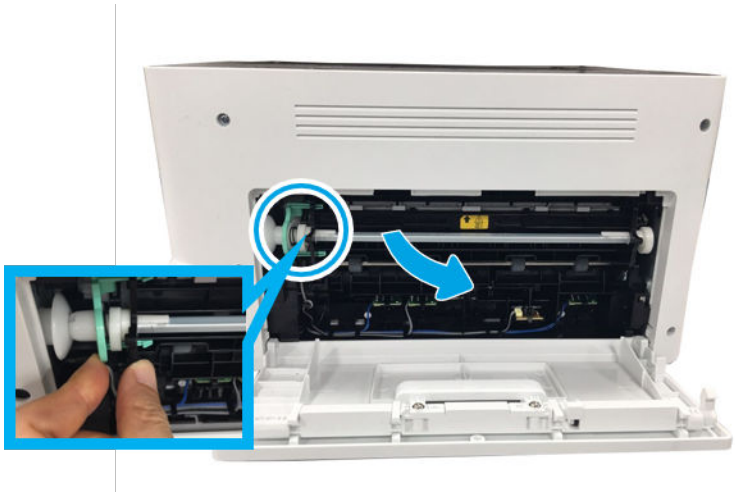
1. Remove the transfer roller assembly.
   a. Open the rear cover door.

Figure 1-188 Open the rear cover door



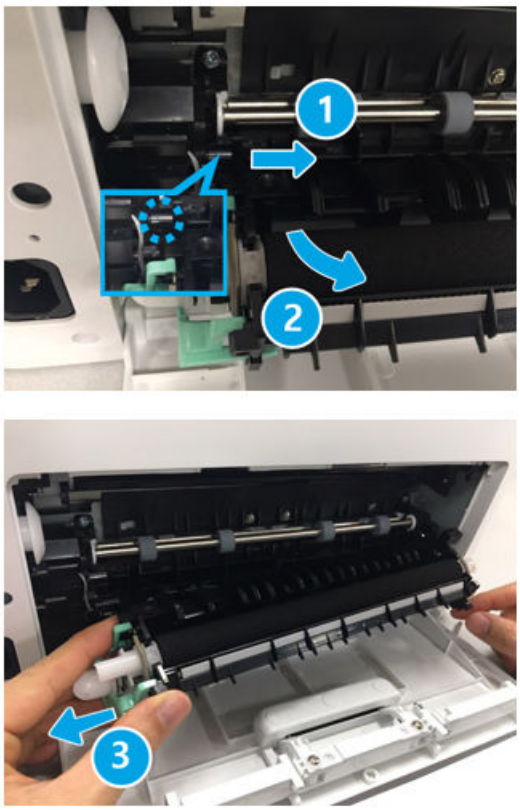
b. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-189 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

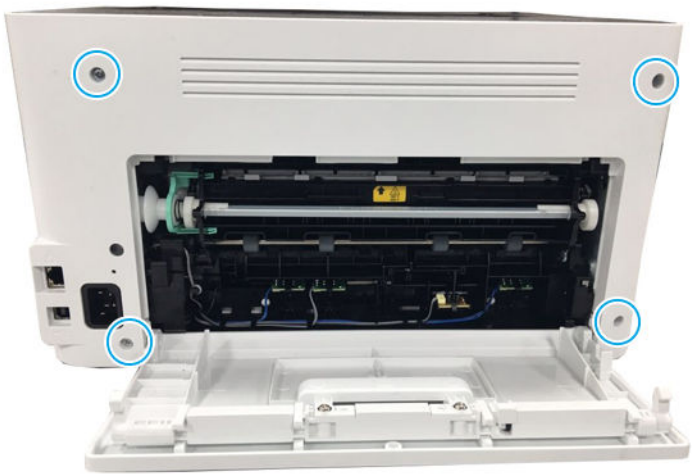
Figure 1-190 Remove the transfer roller assembly



2. Remove the rear cover.

▲ Open the rear door. Remove four screws. And then, release the rear cover.

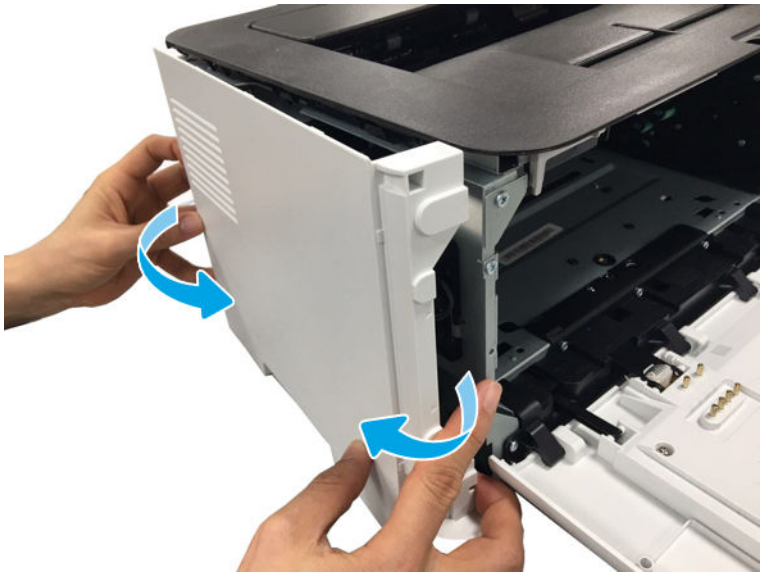
Figure 1-191 Remove the rear cover



3. Remove the left cover.

   ▲ Open the front door, and then remove the left cover by releasing the hooks.

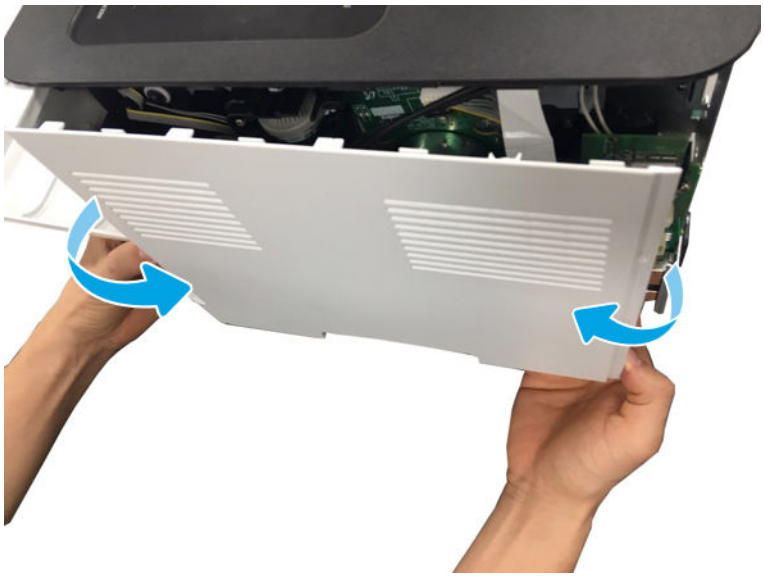
   Figure 1-192 Remove the left cover



4. Remove the right cover.

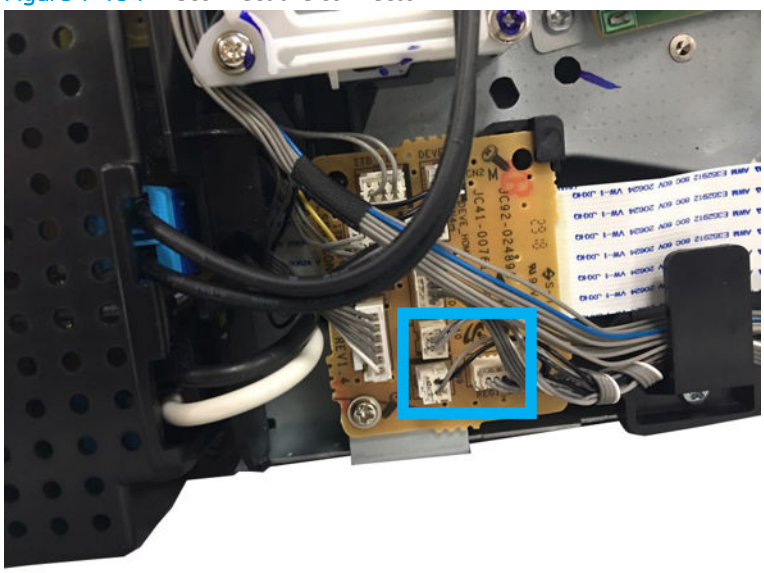
   ▲ Open the front door, and then remove the right cover by releasing the hooks.

   Figure 1-193 Remove the right cover



5. Disconnect the connector from the joint board.

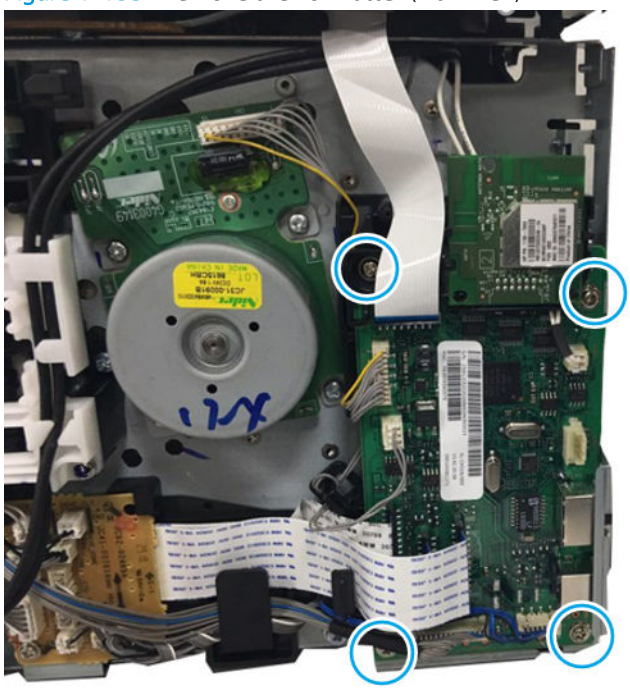
Figure 1-194 Disconnect the connector



6. Remove the Formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove the Formatter (Main PCA).

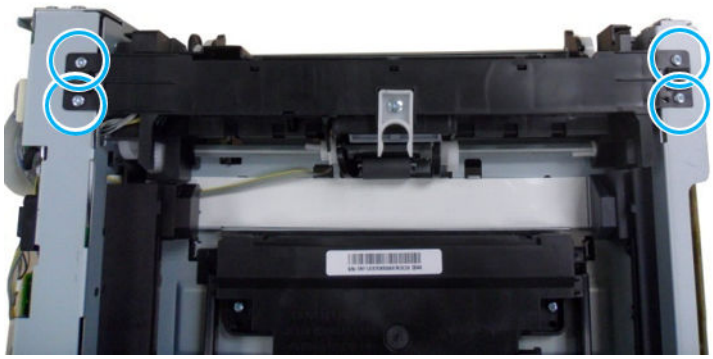
Figure 1-195 Remove the Formatter (Main PCA)



7. Remove the paper-path assembly.

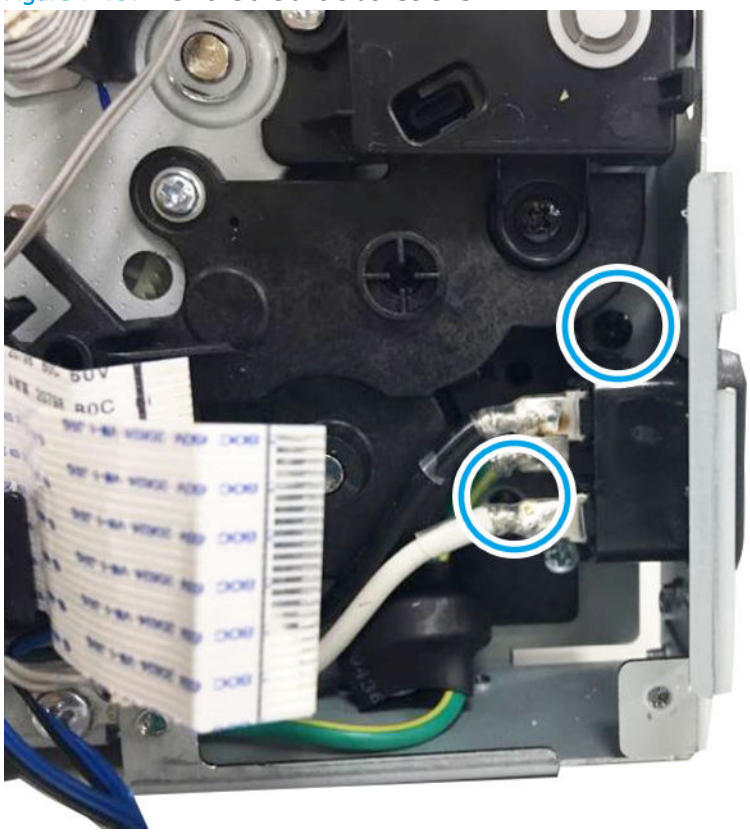
a. Position the printer front side down, and then remove four screws.

Figure 1-196 Remove four screw



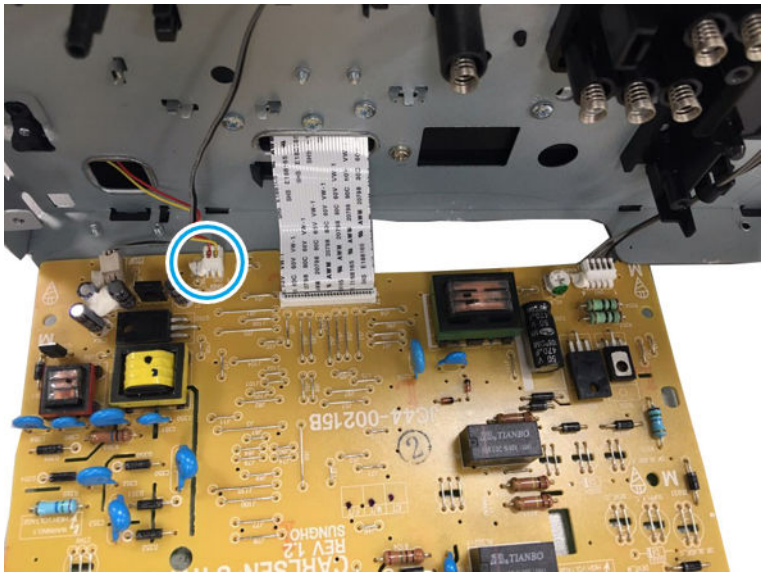
b. Remove the two black screws.

Figure 1-197 Remove the two black screws



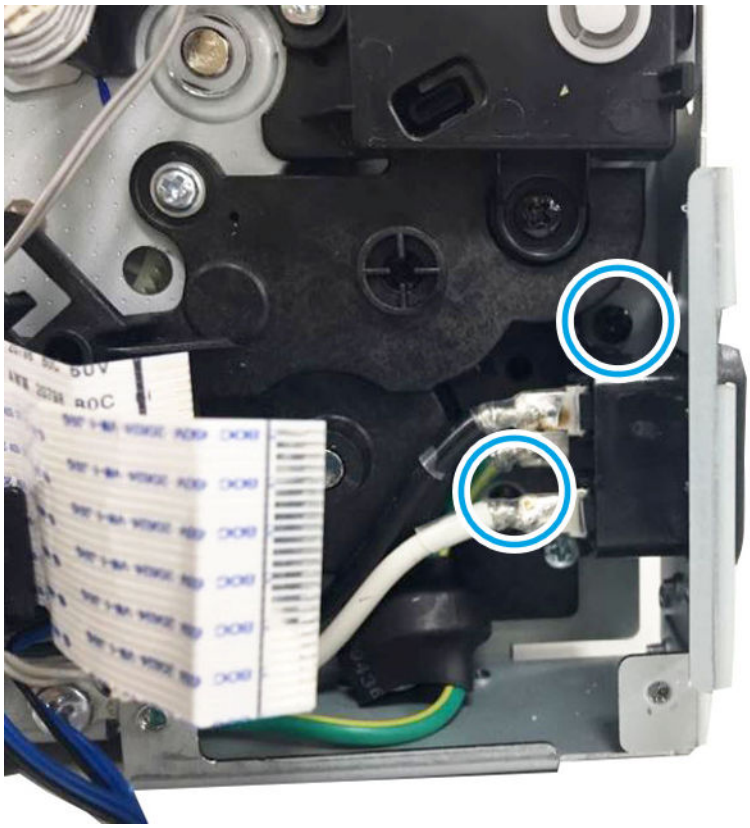
c. Remove the HVPS connector.

Figure 1-198 Remove the HVPS connector



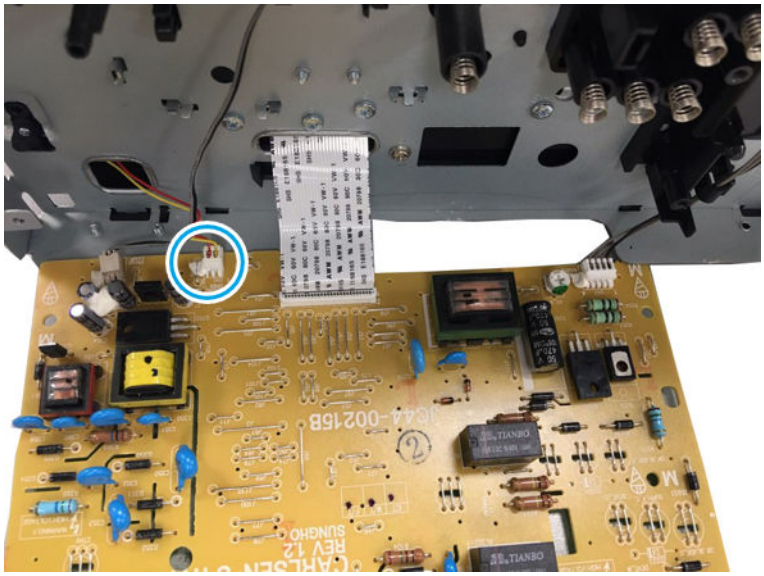
d. Remove the two black screws.

Figure 1-199 Remove the two black screws



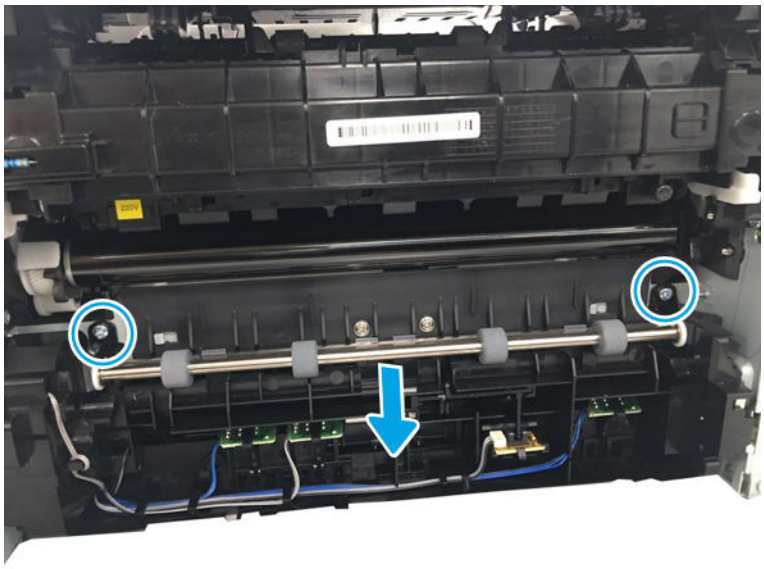
e. Remove the HVPS connector.

Figure 1-200 Remove the HVPS connector



f. Remove two screws, and then remove the paper path assembly.

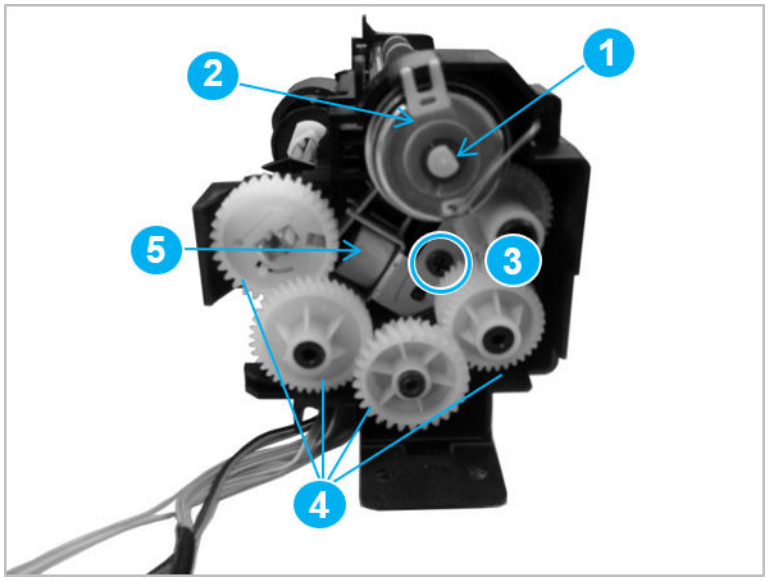
Figure 1-201 Remove the paper path assembly



8. Remove Regi clutch and Pick up solenoid.

▲ Remove the WASHER-PLAIN(Callout 1), Regi clutch(Callout 2), and four gears(Callout 4) in sequence. Remove one screw(Callout 3), and then remove the pick up solenoid(Callout 5).

Figure 1-202 Remove clutch and solenoid



9. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Regi clutch and Pick up solenoid

This document provides the procedures to remove and replace the Regi clutch and Pick up solenoid.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-38 Part information

Part number	Description
JC47-00033D	Regi clutch
JC33-00025B	Pick up solenoid

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the transfer roller assembly.
   a. Open the rear cover door.

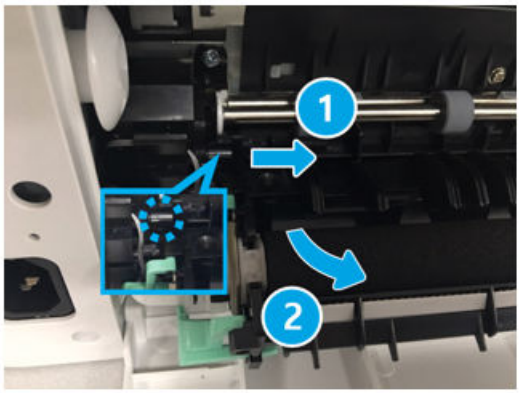
      Figure 1-203 Open the rear cover door

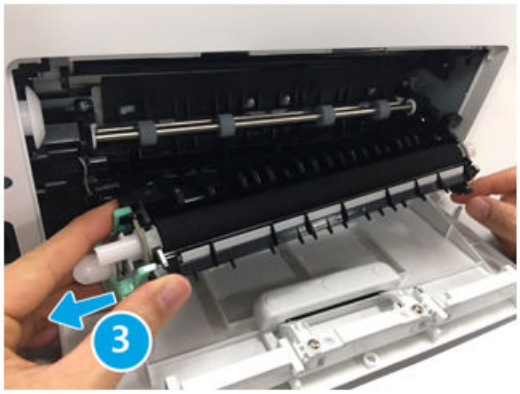
b. Open the transfer roller assembly while pushing the green lever from the left.

Figure 1-204 Open the transfer roller assembly

c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-205 Remove the transfer roller assembly





2. Remove the rear cover.

a. Open the rear door. Remove four screws. And then, release the rear cover.

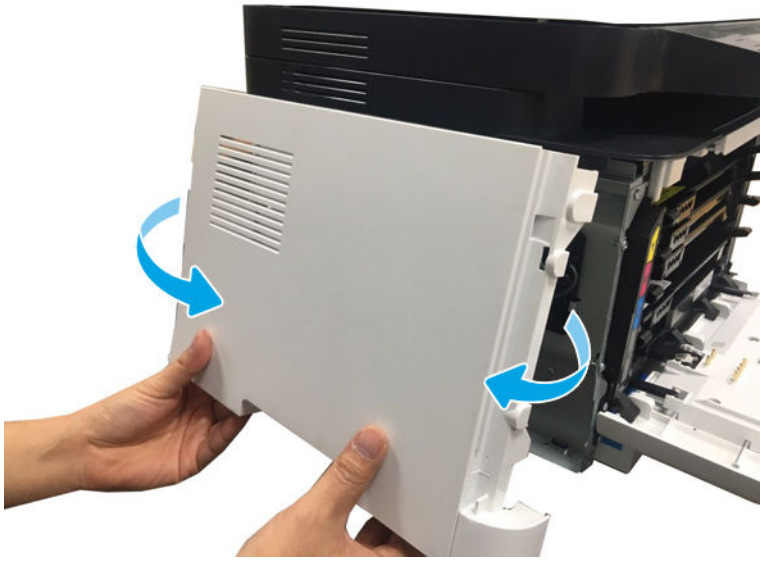
Figure 1-206 Remove four screws

b. Open the front cover.

Figure 1-207 Open the front cover

c. Remove the left cover by releasing the hooks.

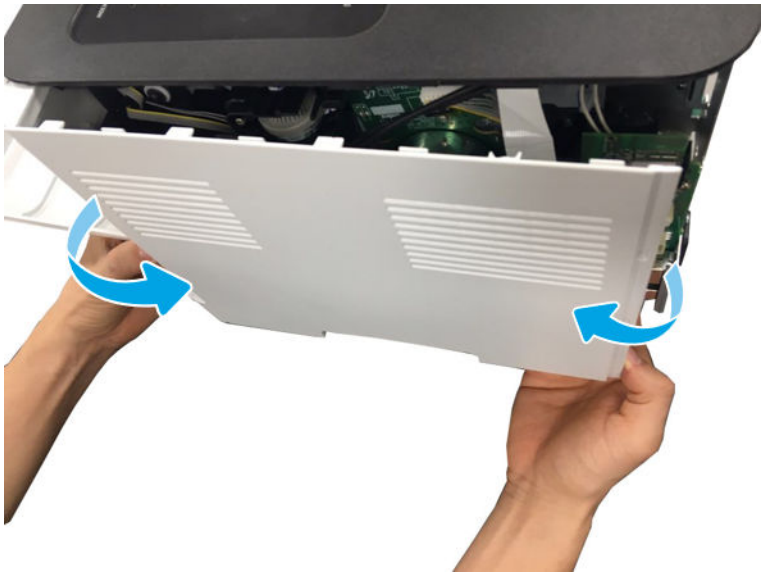
Figure 1-208 Remove left cover



3. Remove the right cover.

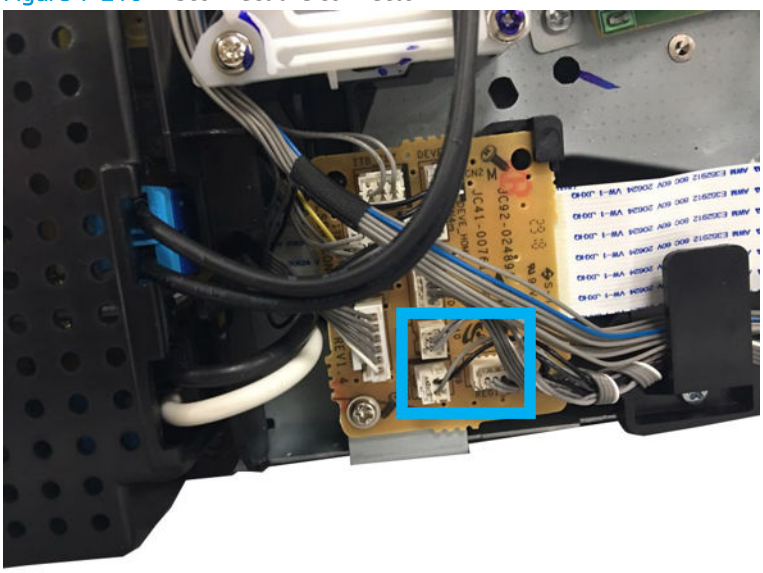
▲ Release the right cover.

Figure 1-209 Remove right cover



4. Disconnect the connector from the joint board.

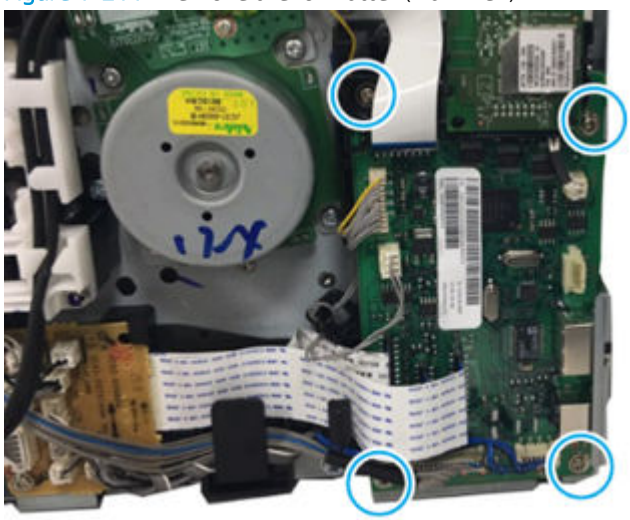
Figure 1-210 Disconnect the connector



5. Remove the Formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove theFormatter (Main PCA).

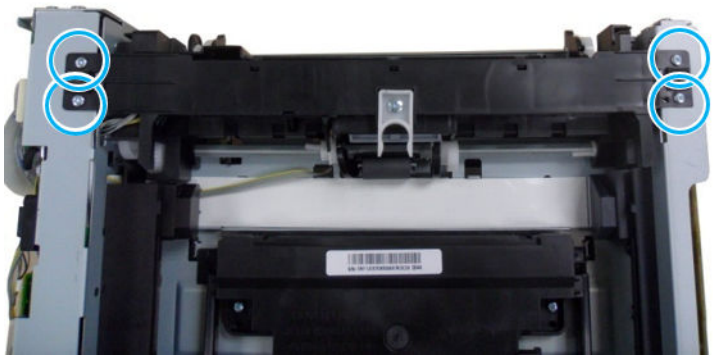
Figure 1-211 Remove theFormatter (Main PCA)



6. Remove the paper-path assembly.

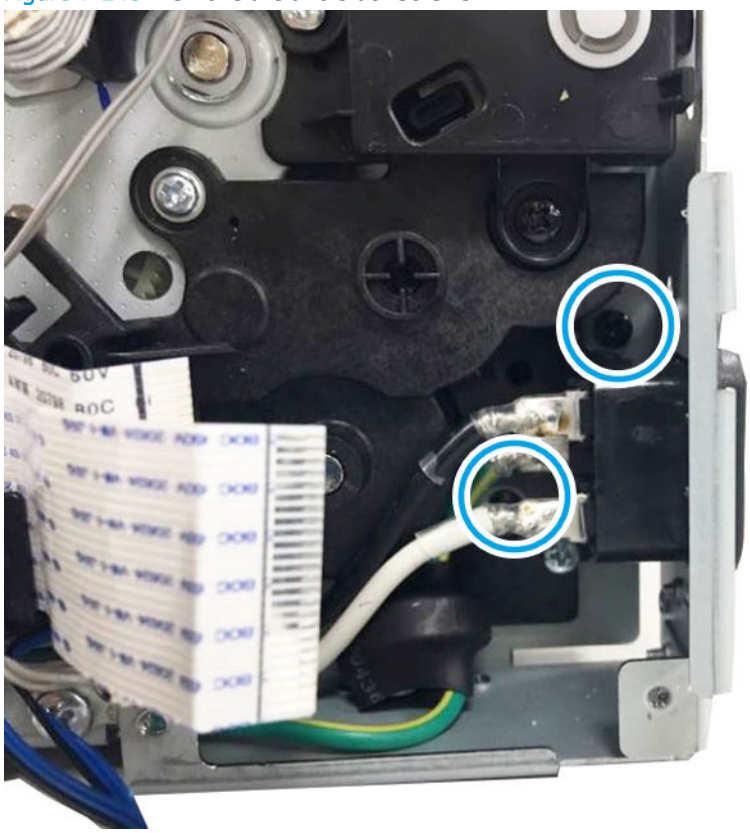
a. Position the printer front side down, and then remove four screws.

Figure 1-212 Remove four screw



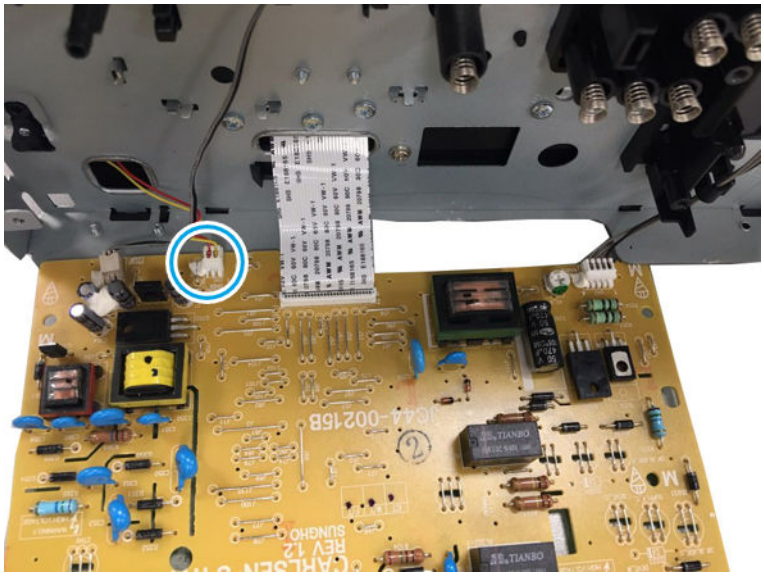
b. Remove the two black screws.

Figure 1-213 Remove the two black screws



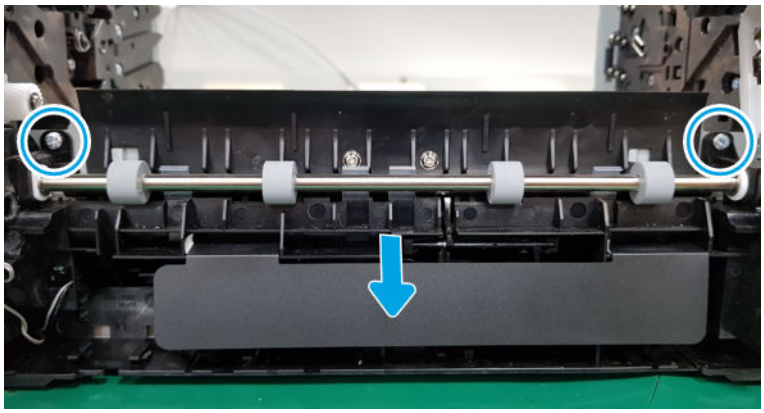
c. Remove the HVPS connector.

Figure 1-214 Remove the HVPS connector



d. Remove two screws, and then remove the paper path assembly.

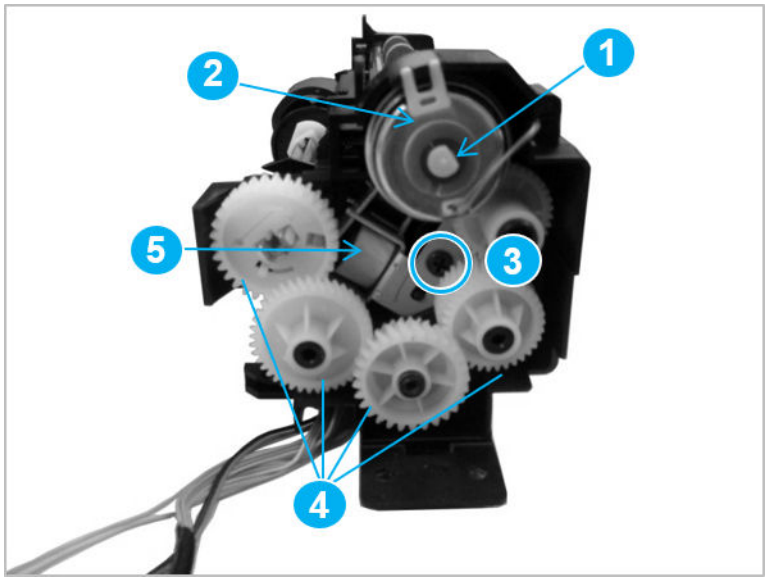
Figure 1-215 Remove the paper path assembly



7. Remove Regi clutch and Pick up solenoid.

▲ Remove the WASHER-PLAIN(Callout 1), Regi clutch(Callout 2), and four gears(Callout 4) in sequence. Remove one screw(Callout 3), and then remove the pick up solenoid(Callout 5).

Figure 1-216 Remove clutch and solenoid



8. Unpack the replacement assembly.

   a. 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

   b. Unpack the replacement part from the packaging.

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

   c. 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.

HP Color Laser 150 - Removal and replacement: Feed sensor and empty sensor

This document provides the procedures to remove and replace the feed sensor and empty sensor.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-39 Part information

Part number	Description
JC98-01960A	Empty sensor PCA
JC98-05690A	Paper size sensor PCA (150a)
JC98-05683A	Paper size sensor PCA (150nw)
JC98-05689A	Paper size sensor PCA (178nw,179fnw,178nwg,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

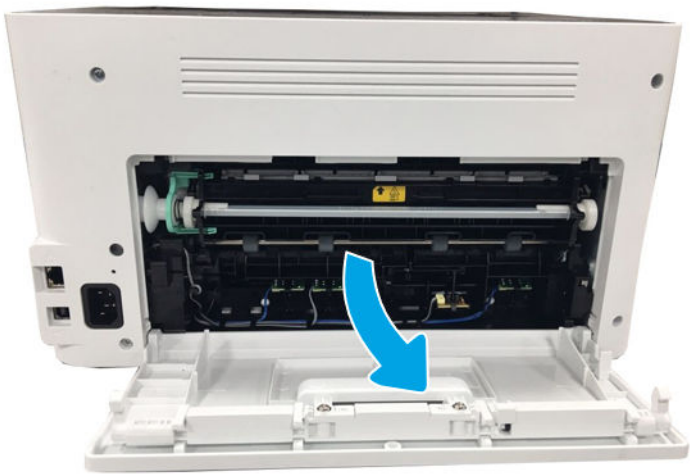
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

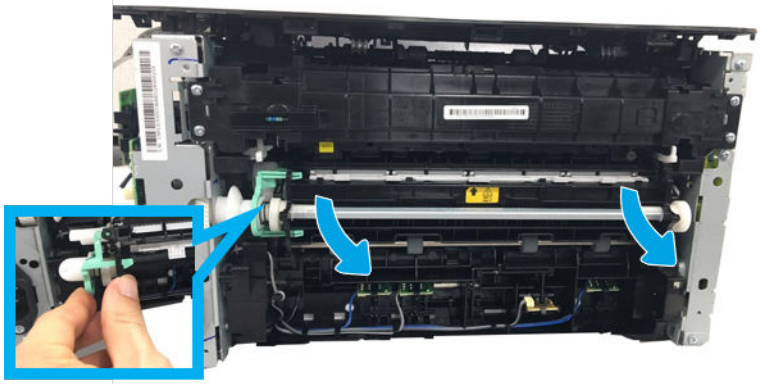
1. Remove the transfer roller assembly.
   a. Open the rear cover door.

      Figure 1-217 Open the rear cover door



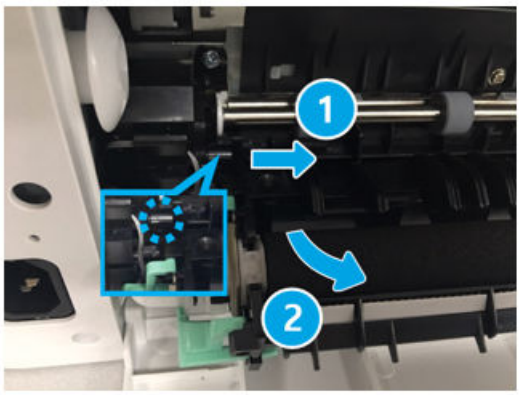
b. Release the transfer roller assembly while pushing its left green holder to the right.

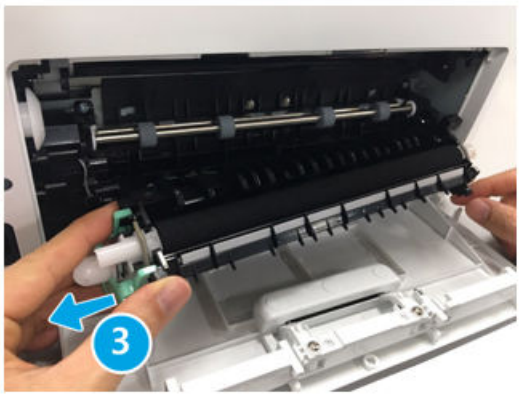
Figure 1-218 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-219 Remove the transfer roller assembly

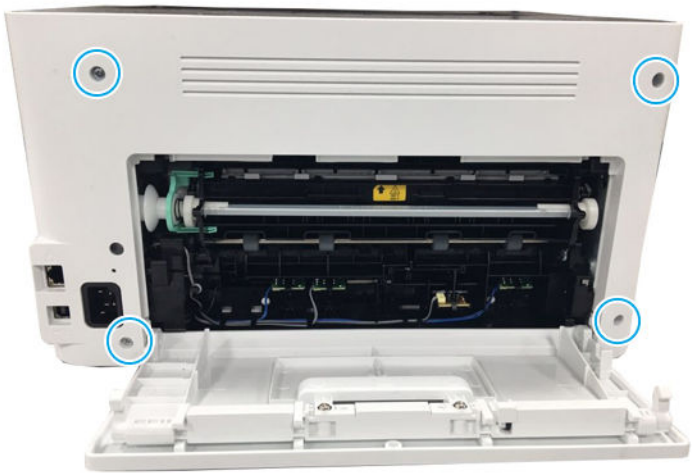




2. Remove the rear cover.

▲ Open the rear door. Remove four screws. And then, release the rear cover.

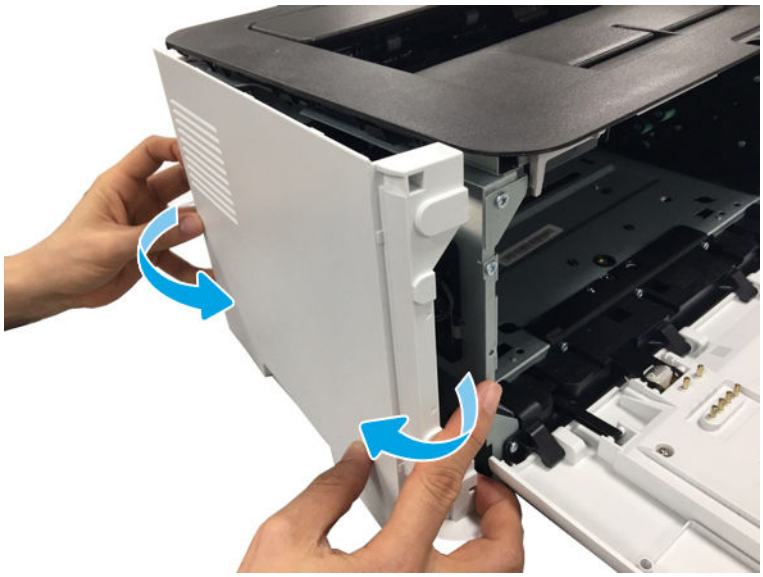
Figure 1-220 Remove the rear cover



3. Remove the left cover.

   ▲ Open the front door, and then remove the left cover by releasing the hooks.

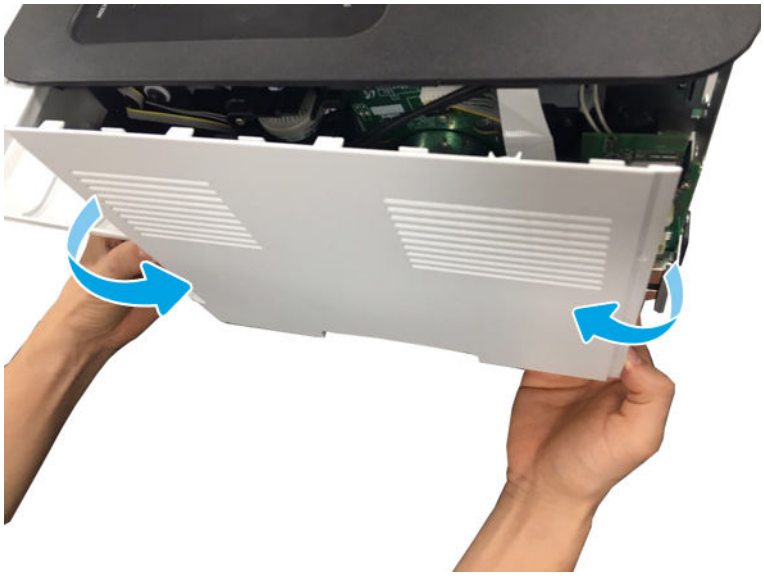
   Figure 1-221 Remove the left cover



4. Remove the right cover.

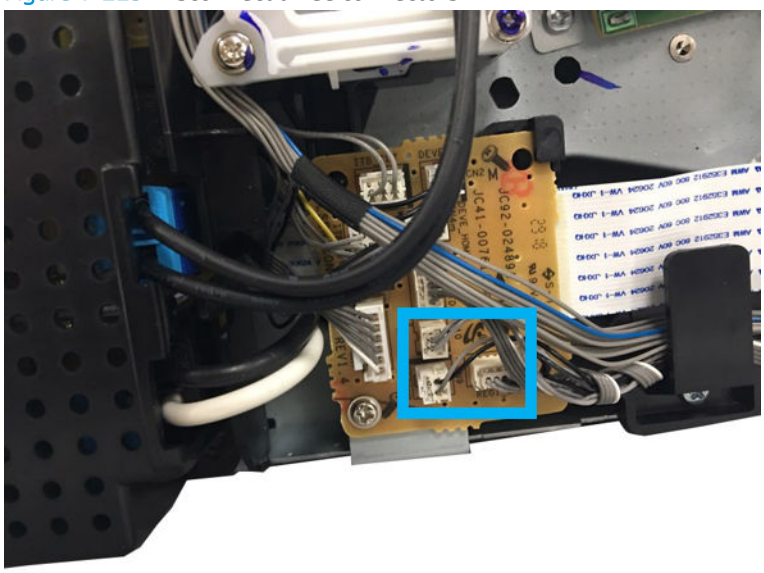
   ▲ Open the front door, and then remove the right cover by releasing the hooks.

Figure 1-222 Remove the right cover



5. Disconnect three connectors from the joint board.

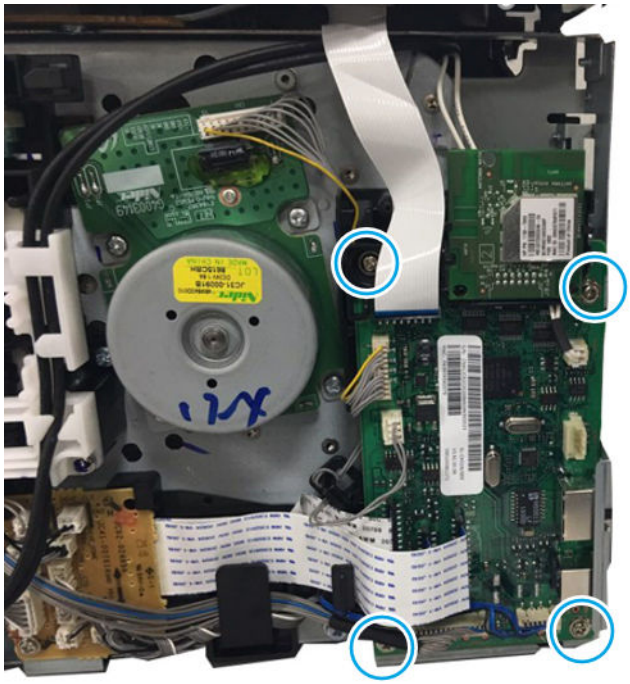
Figure 1-223 Disconnect three connectors



6. Remove the Formatter (Main PCA).

▲ Disconnect all connectors. Remove four screws. And then, remove the Formatter (Main PCA).

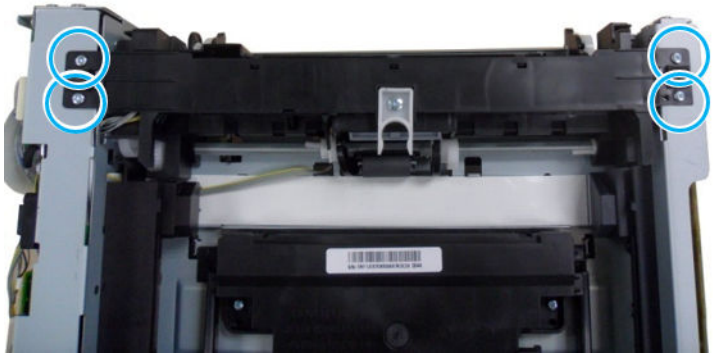
Figure 1-224 Remove the Formatter (Main PCA)



7. Remove the paper-path assembly.

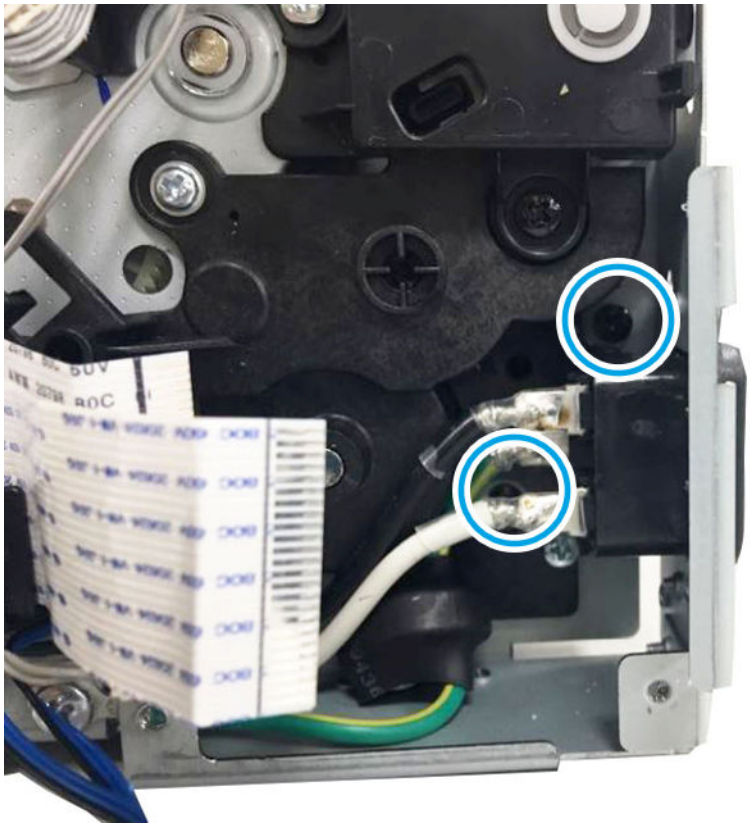
   a. Position the printer front side down, and then remove four screws.

   Figure 1-225 Remove four screw



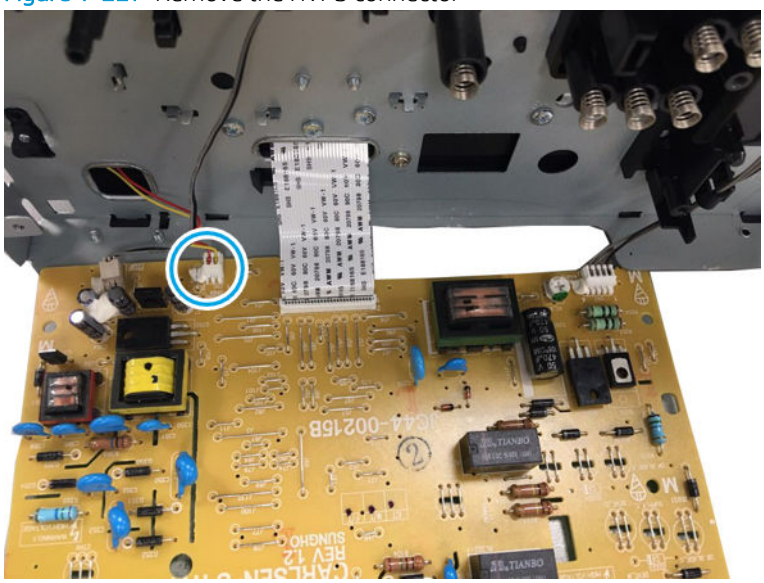
b. Remove the two black screws.

Figure 1-226 Remove the two black screws



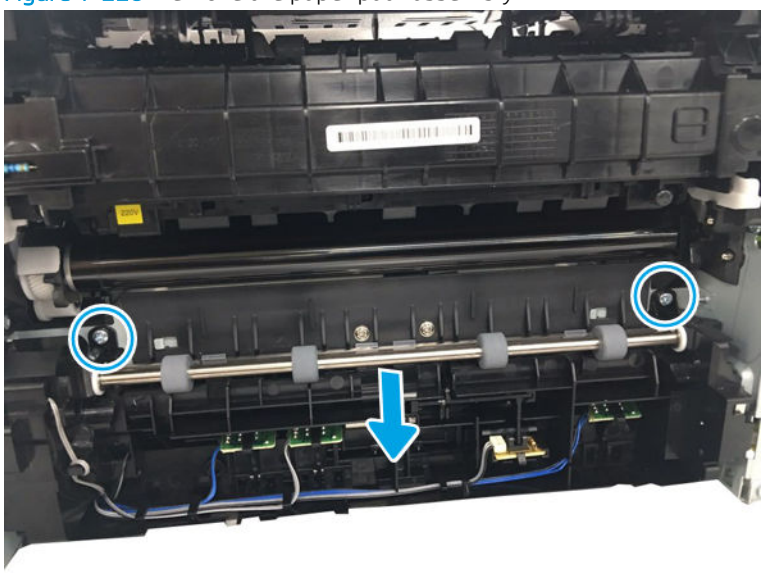
c. Remove the HVPS connector.

Figure 1-227 Remove the HVPS connector



d. Remove two screws, and then remove the paper path assembly.

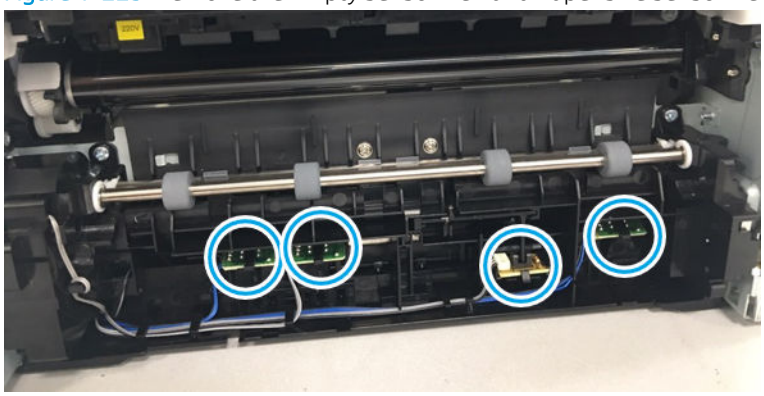
Figure 1-228 Remove the paper path assembly



8. Remove the Empty sensor PCA and Paper size sensor PCA.

▲ Remove the Empty sensor PCA and Paper size sensor PCA from their holders.

Figure 1-229 Remove the Empty sensor PCA and Paper size sensor PCA



9. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Feed sensor and Empty sensor

This document provides the procedures to remove and replace the Feed sensor and Empty sensor.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-40 Part information

Part number	Description
JC98-01960A	Empty sensor PCA
JC98-05690A	Paper size sensor PCA (150a)
JC98-05683A	Paper size sensor PCA (150nw)
JC98-05689A	Paper size sensor PCA (178nw,179fnw,178nwg,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

Post service test

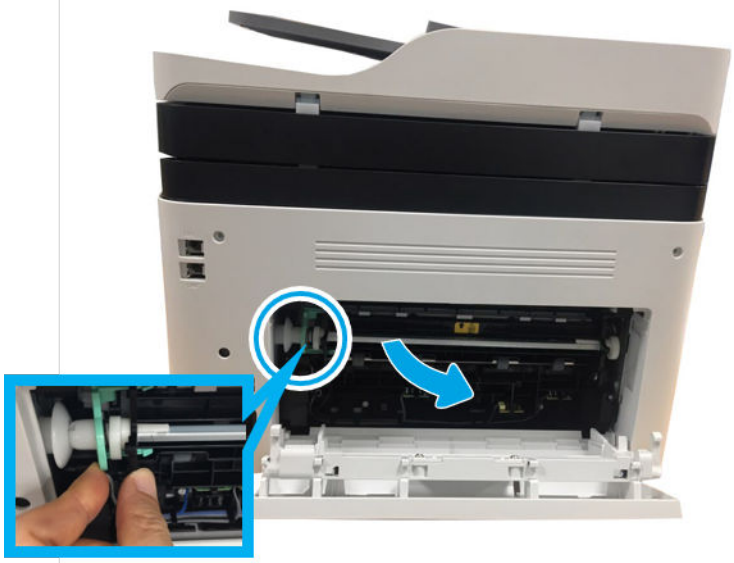
No post service test is available for this assembly.

1. Remove the transfer roller assembly.
   a. Open the rear cover door.

Figure 1-230 Open the rear cover door

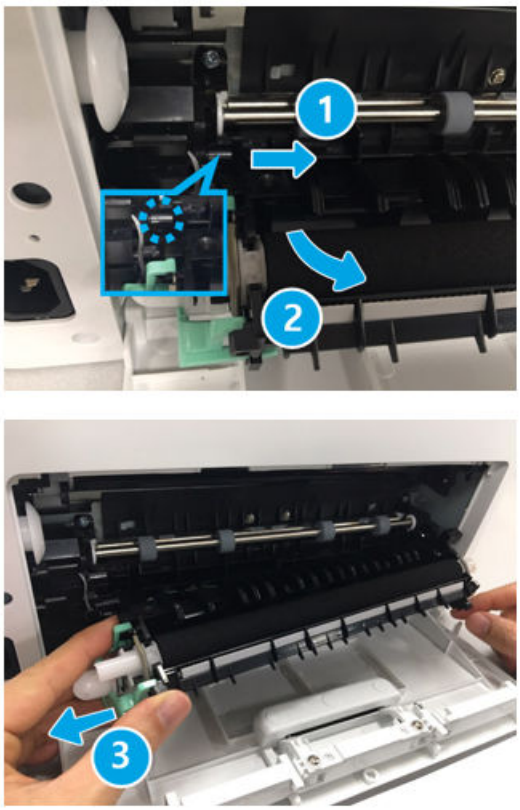
b. Release the transfer roller assembly while pushing its left green holder to the right.

Figure 1-231 Open the transfer roller assembly



c. Pull the transfer roller assembly to the right direction to release its left link arm from the hole. And then, remove it from the frame.

Figure 1-232 Remove the transfer roller assembly



2. Remove the rear cover.

a. Open the rear door. Remove four screws. And then, release the rear cover.

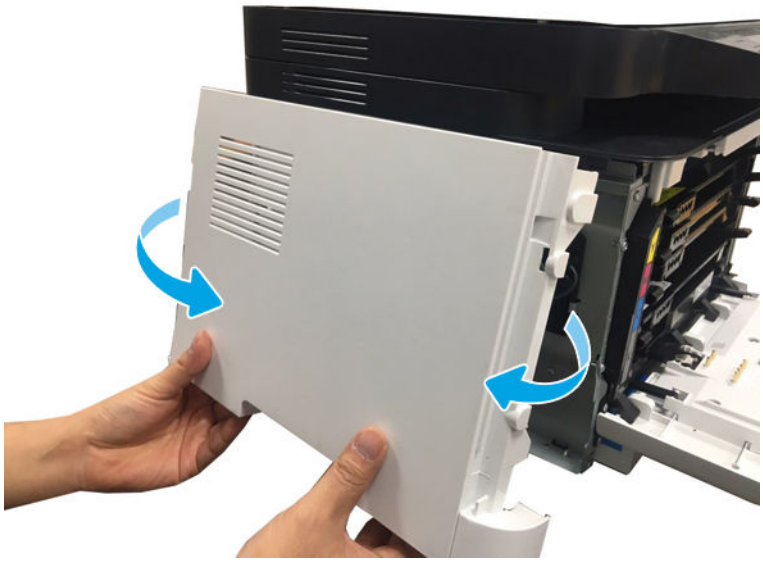
Figure 1-233 Remove the rear cover

b. Open the front cover.

Figure 1-234 Open the front cover

c. Remove the left cover by releasing the hooks.

Figure 1-235 Remove left cover



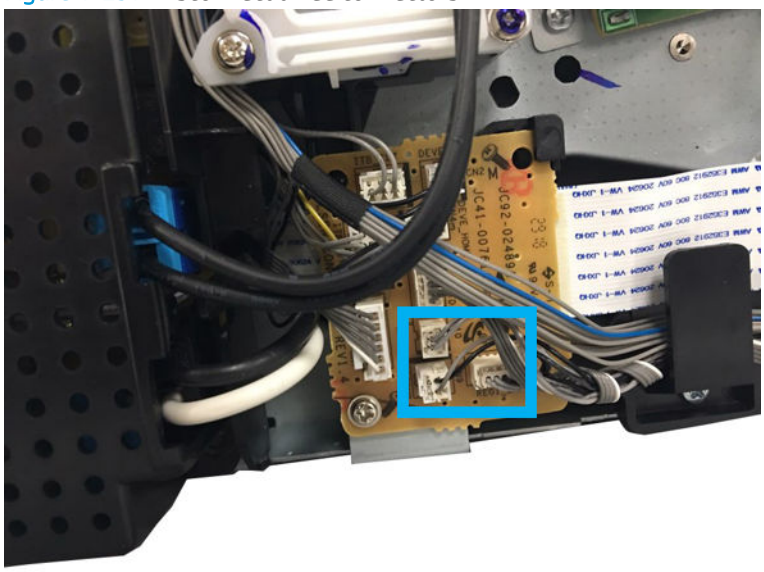
3. Remove the right cover.

▲ Release the right cover.

Figure 1-236 Remove right cover

4. Disconnect three connectors from the joint board.

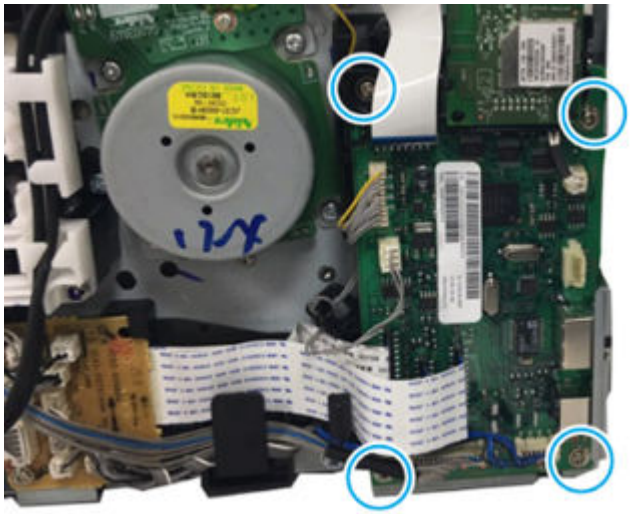
Figure 1-237 Disconnect three connectors



5. Remove the Formatter (Main PCA).

   ▲ Disconnect all connectors. Remove four screws. And then, remove theFormatter (Main PCA).

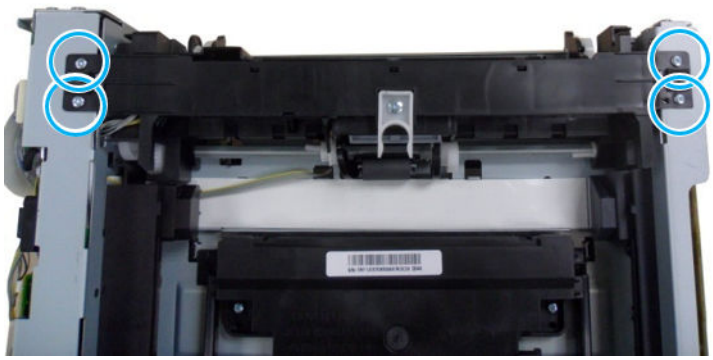
Figure 1-238 Remove the Formatter (Main PCA)



6. Remove the paper-path assembly.

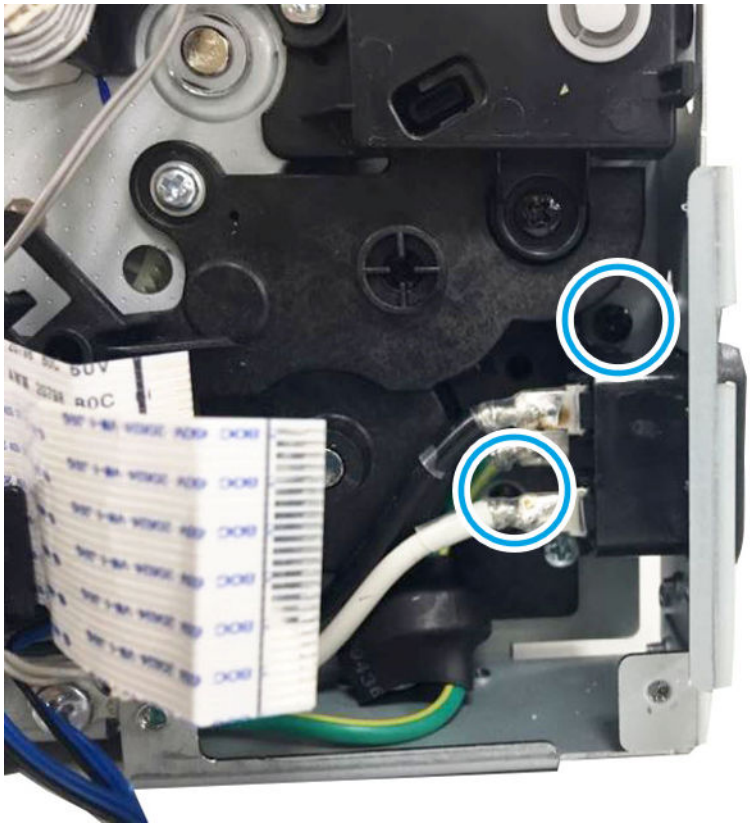
   a. Position the printer front side down, and then remove four screws.

   Figure 1-239 Remove four screw



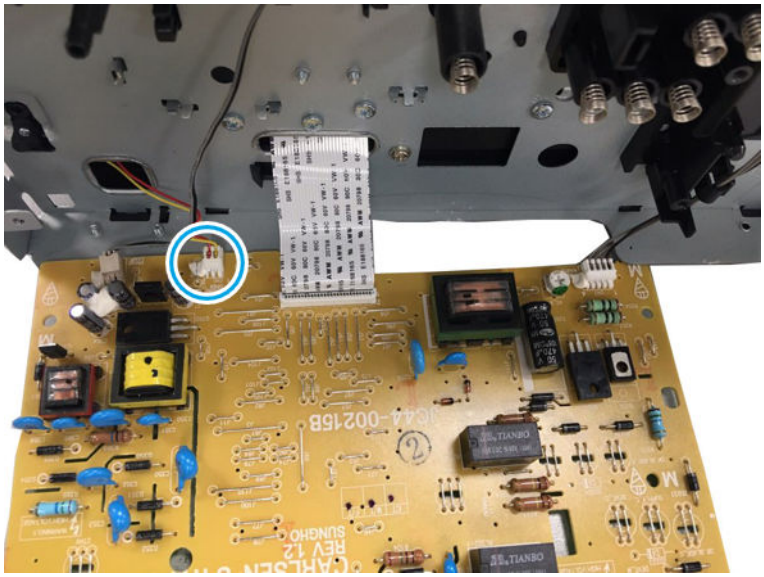
b. Remove the two black screws.

Figure 1-240 Remove the two black screws



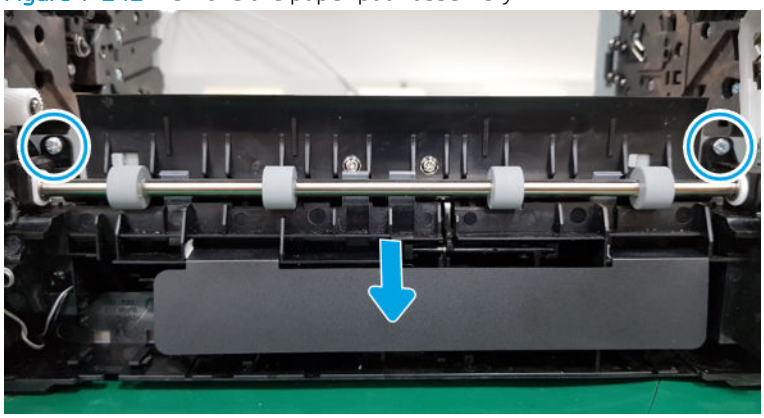
c. Remove the HVPS connector.

Figure 1-241 Remove the HVPS connector



d. Remove two screws, and then remove the paper path assembly.

Figure 1-242 Remove the paper path assembly



7. Remove the Empty sensor PCA and Paper size sensor PCA.

▲ Remove the Empty sensor PCA and Paper size sensor PCA from their holders.

Figure 1-243 Remove the Empty sensor PCA and Paper size sensor PCA

8. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: ITB CAM clutch

This document provides the procedures to remove and replace the ITB Cam solenoid.

Mean time to repair: 5 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-41 Part information

Part number	Description
JC47-00007F	ITB CAM clutch

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

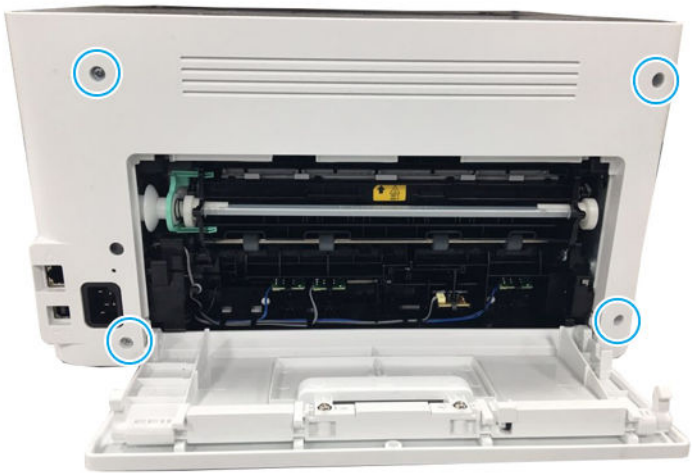
- Connect the power cable.
- Use the power switch to turn the power on.

Post service test

No post service test is available for this assembly.

1. Remove the rear cover.
   - ▲ Open the rear door. Remove four screws. And then, release the rear cover.

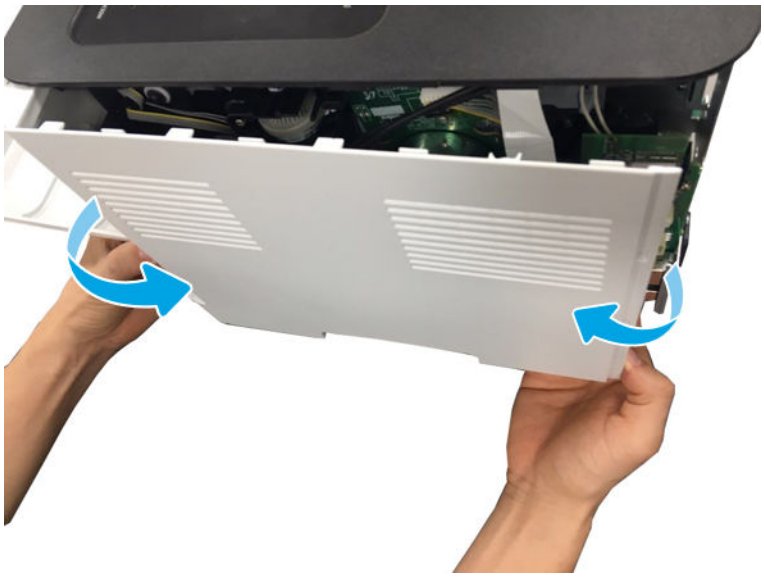
Figure 1-244 Remove the rear cover



2. Remove the right cover.

   ▲ Open the front door, and then remove the right cover by releasing the hooks.

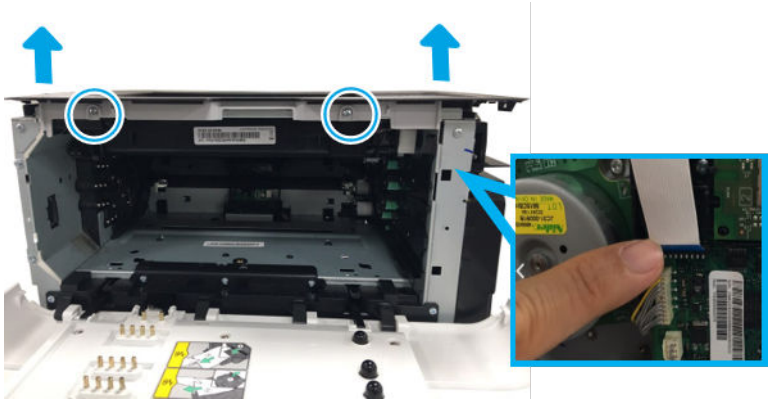
   Figure 1-245 Remove the right cover



3. Remove the top cover.

   ▲ Disconnect the control panel connector from the Formatter (Main PCA). Remove two screws. And then, lift up and release the top cover.

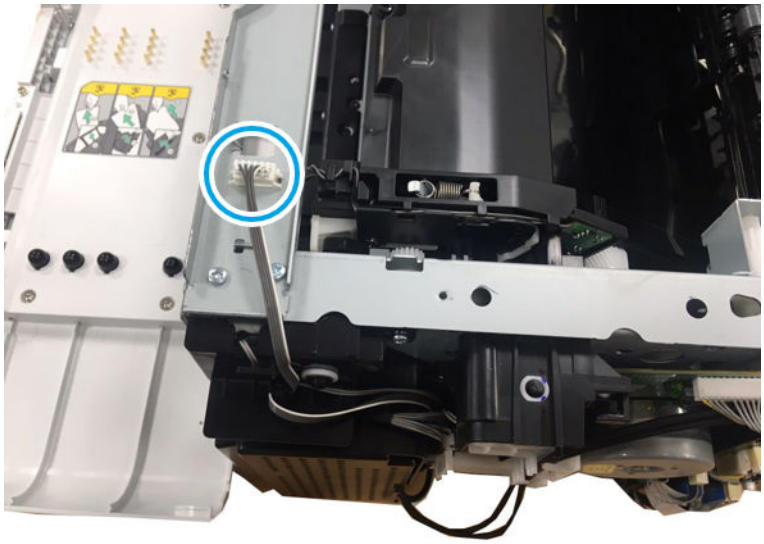
Figure 1-246 Remove the top cover



4. Remove one connector from the upper frame.

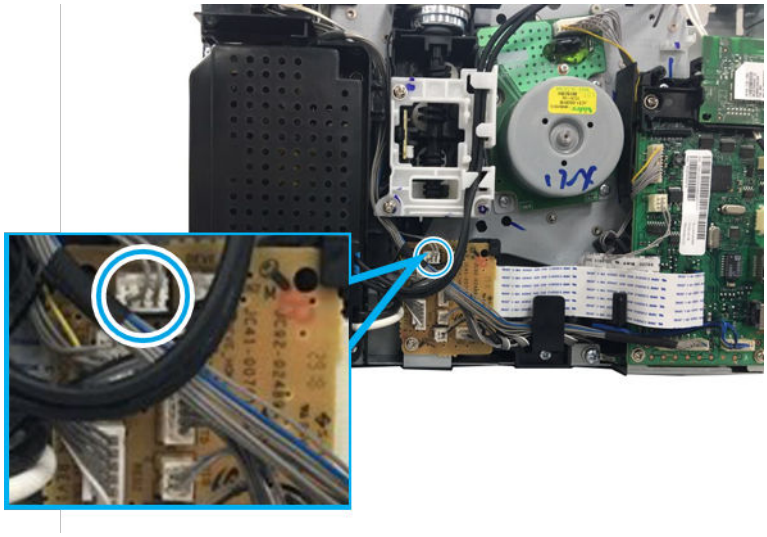
   a. Remove the connector upper the frame.

Figure 1-247 Remove the connector



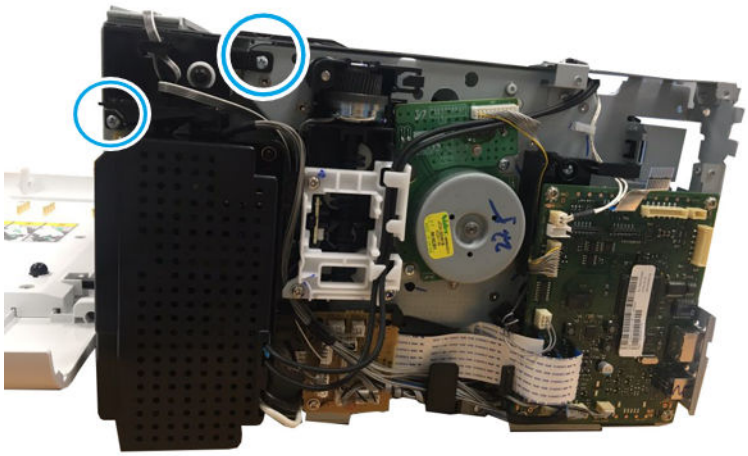
b. Remove the connector.

Figure 1-248 Remove the connector



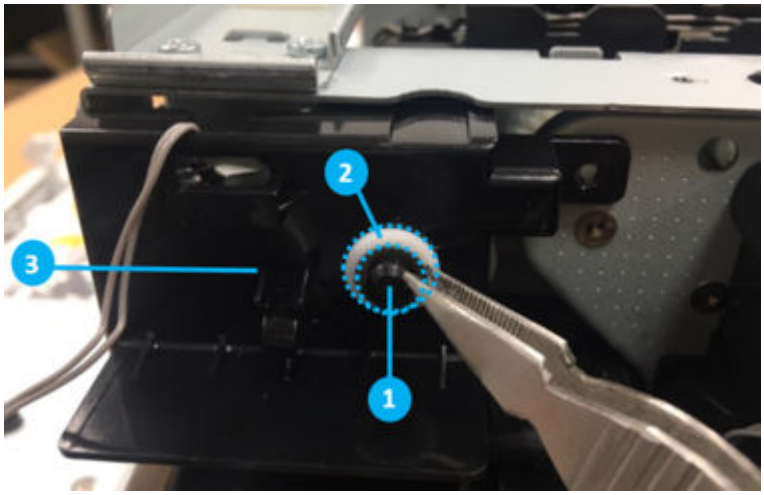
c. Remove the two screws.

Figure 1-249 Remove the two screws



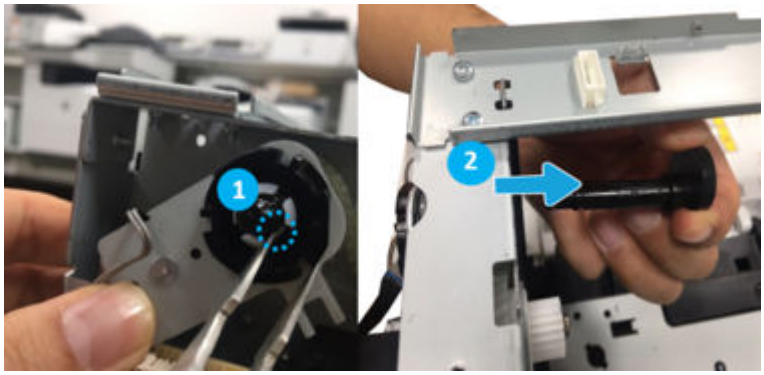
d. Remove the washer(callout 1), bush(callout 2), and ITB cam clutch cover(callout 3)

Figure 1-250 Remove the washer, bush, solenoid cover



e. Push the hook with tweezers. And then, remove ITB cam clutch and its holder shaft.

Figure 1-251 Remove Cam Solenoid



5. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: ITB CAM clutch

This document provides the procedures to remove and replace the Cam Solenoid.

Mean time to repair: 8 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-42 Part information

Part number	Description
JC47-00007F	ITB CAM clutch

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the left cover.
   a. Remove four screw from the rear of the machine.

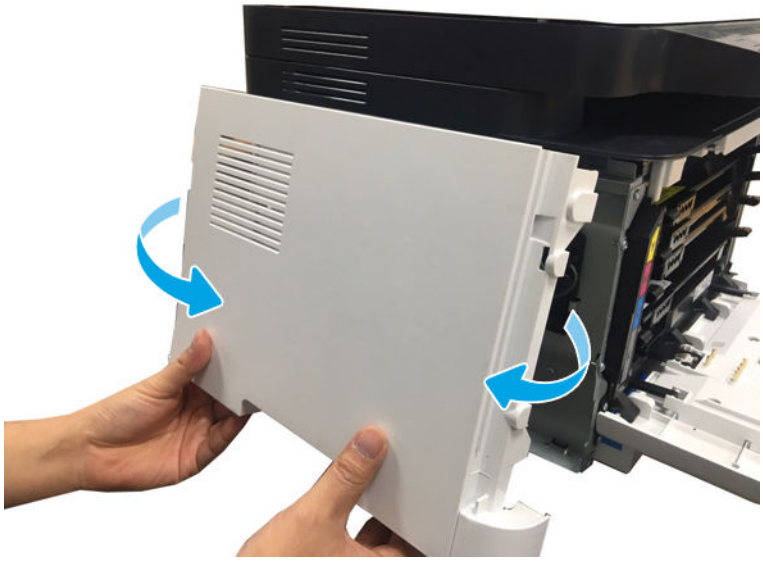
Figure 1-252 Remove the rear cover

b. Open the front cover.

Figure 1-253 Open the front cover

c. Remove the left cover by releasing the hooks.

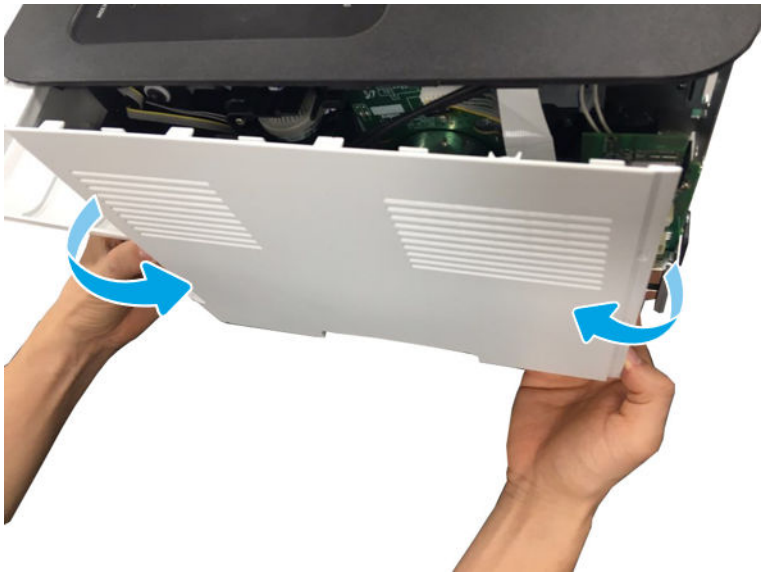
Figure 1-254 Remove left cover



2. Remove the right cover.

▲ Release the right cover.

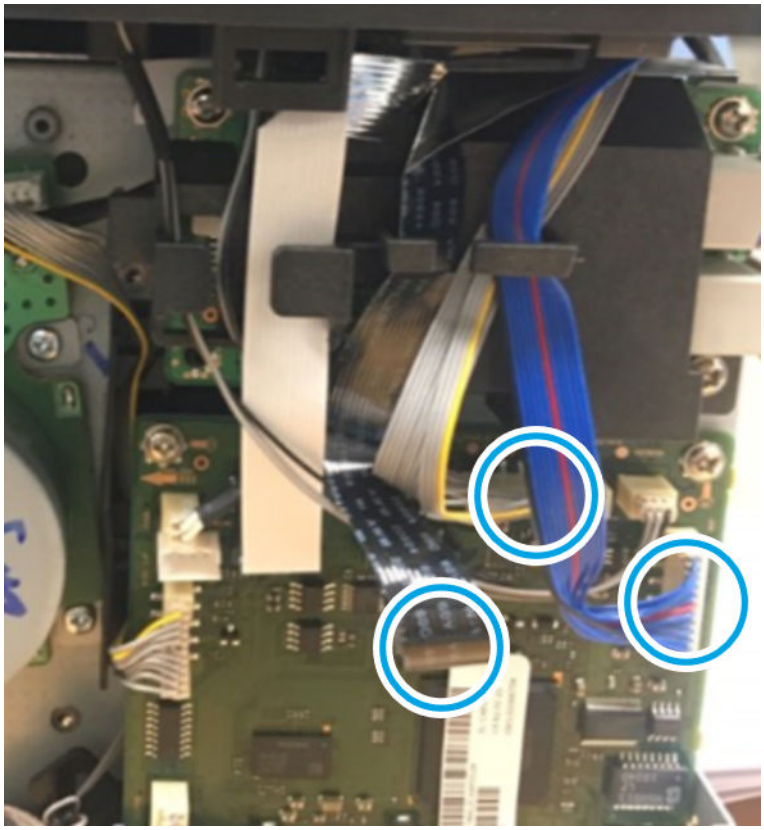
Figure 1-255 Remove right cover



3. Remove the Flabed scanner assembly unit.

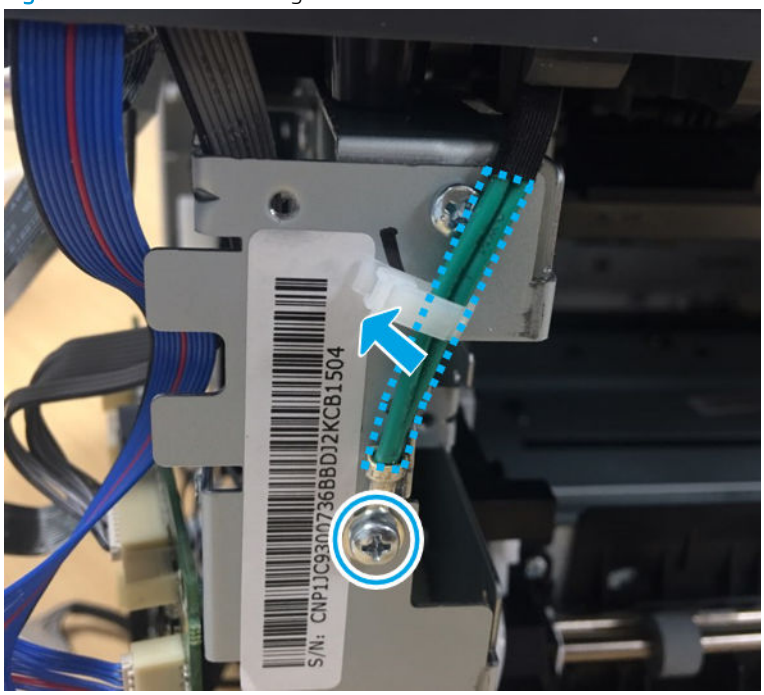
a. Disconnect the scan connectors from the Formatter(Main PCA).

Figure 1-256 Disconnect the scan connectors



b. Remove one screw and then remove the ground in rear side.

Figure 1-257 Remove the ground in rear side

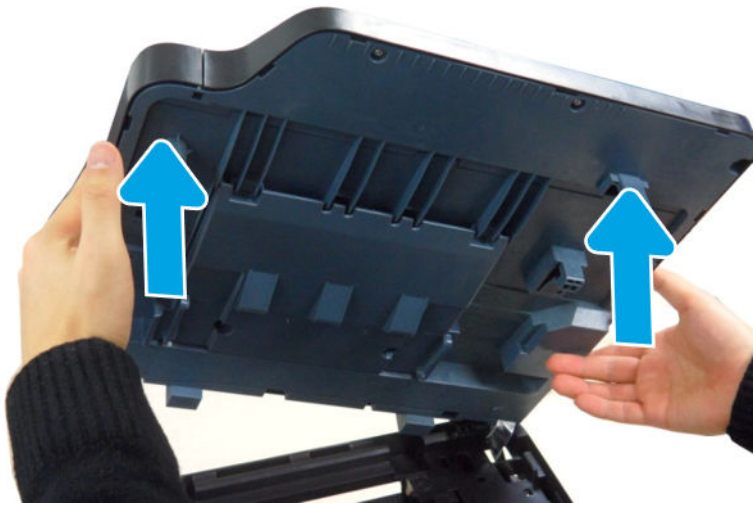


c. Open the platen unit. Release the Scanner Hinge unit.

Figure 1-258 Release the Scanner Hinge

d. Lift up and release the platen unit.

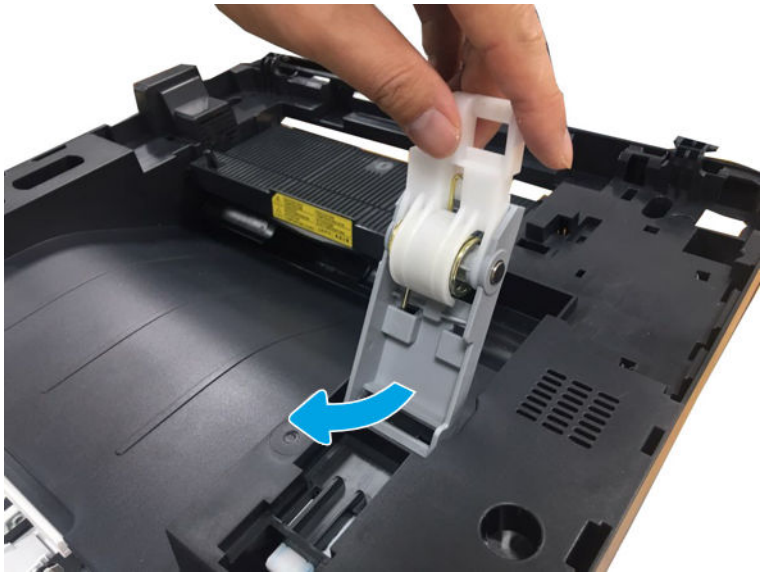
Figure 1-259 Remove the Flabed scanner assembly



4. Remove the middle cover

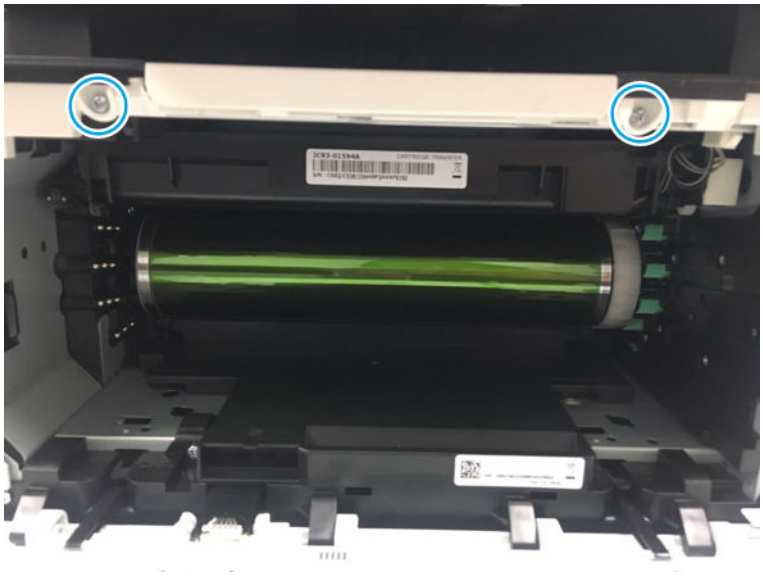
a. Remove the hinge

Figure 1-260 Remove the hinge



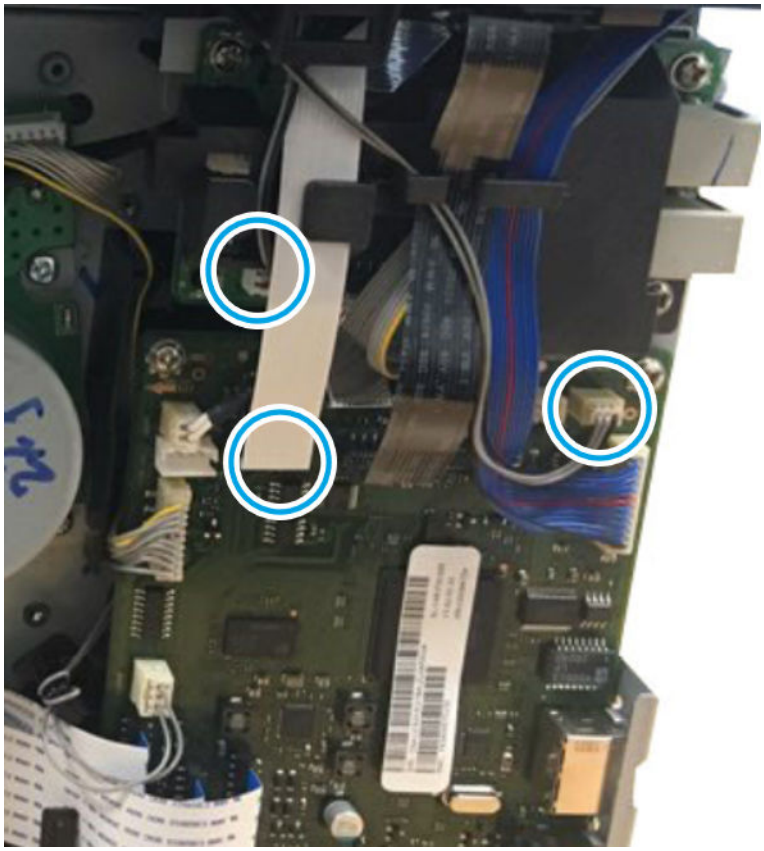
b. Remove two screws from the front.

Figure 1-261 Remove two screws



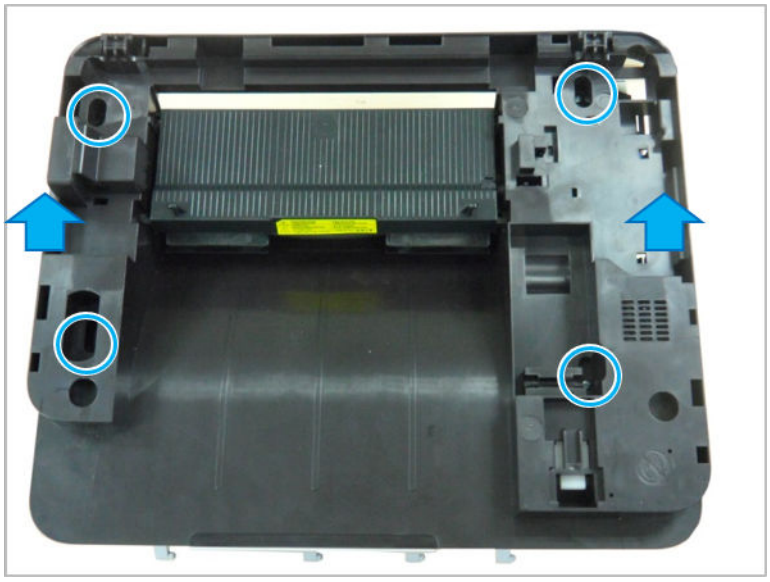
c. Unplug two connector and one FFC cable.

Figure 1-262 Unplug two connector and one FFC cable



d. Remove four screws, and then lift up the middle cover to remove it.

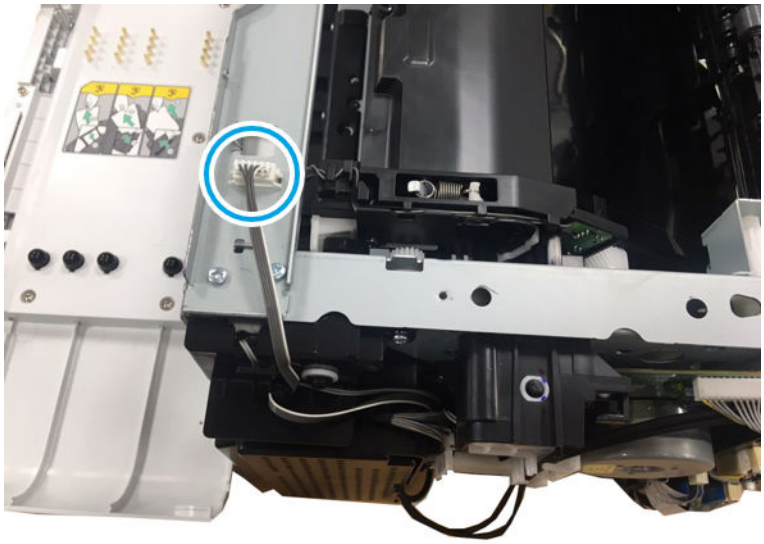
Figure 1-263 Release the middle cover



5. Remove the ITB cam clutch.

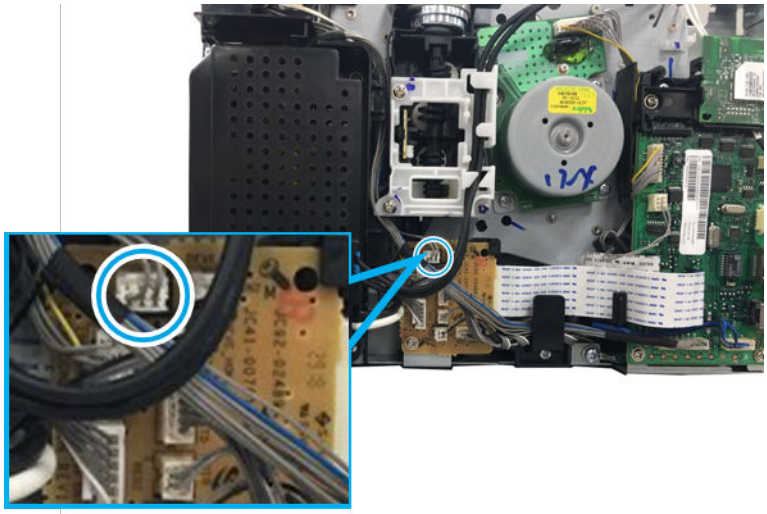
a. Remove one connector from the upper frame.

Figure 1-264 Remove the connector



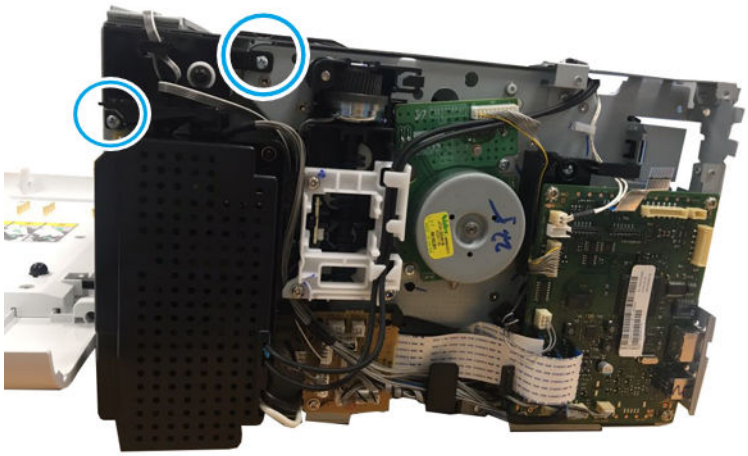
b. Remove the connector.

Figure 1-265 Remove the connector



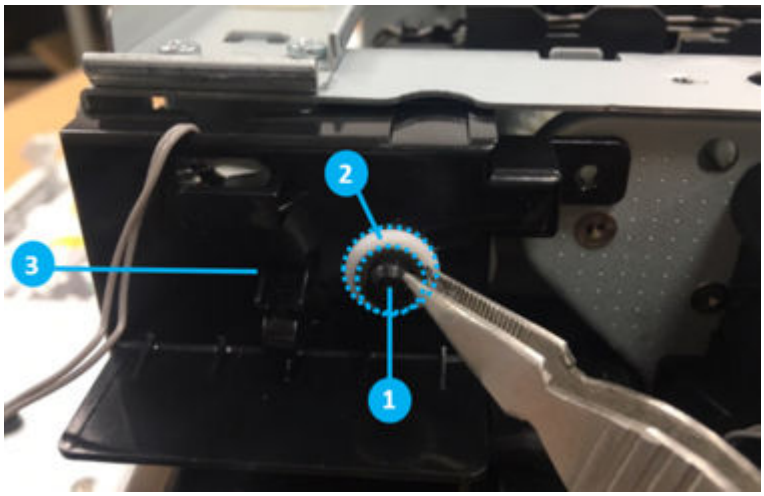
c. Remove the two screws.

Figure 1-266 Remove the two screws



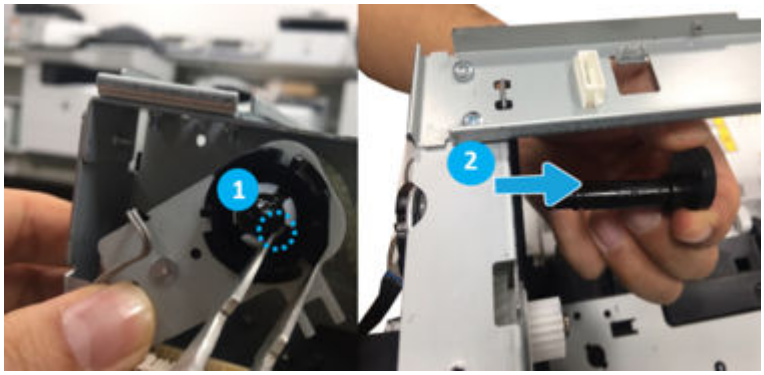
d. Remove the washer(callout 1), bush(callout 2), and ITB cam clutch cover (callout 3)

Figure 1-267 Remove the washer, bush, ITB cam clutch cover



e. Push the hook with tweezers. And then, remove ITB cam clutch and its holder shaft.

Figure 1-268 Remove ITB cam clutch



6. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser 150 - Removal and replacement: Drive assembly

This document provides the procedures to remove and replace the Main drive unit.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-43 Part information

Part number	Description
JC93-00714A	Drive assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

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

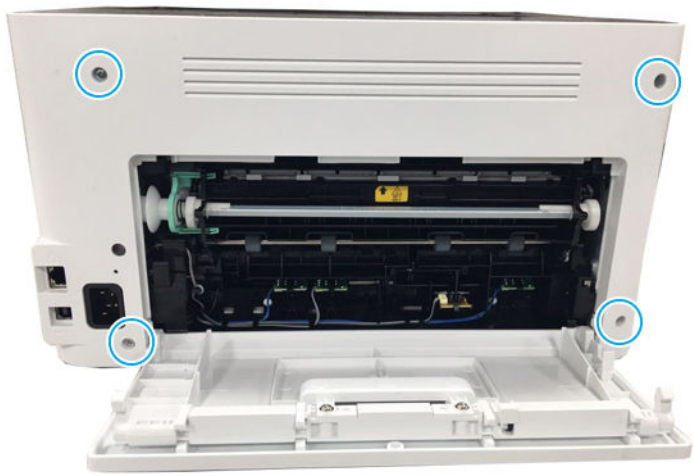
Post service test

No post service test is available for this assembly.

1. Remove the rear cover.

   ▲ Open the rear door. Remove four screws. And then, release the rear cover.

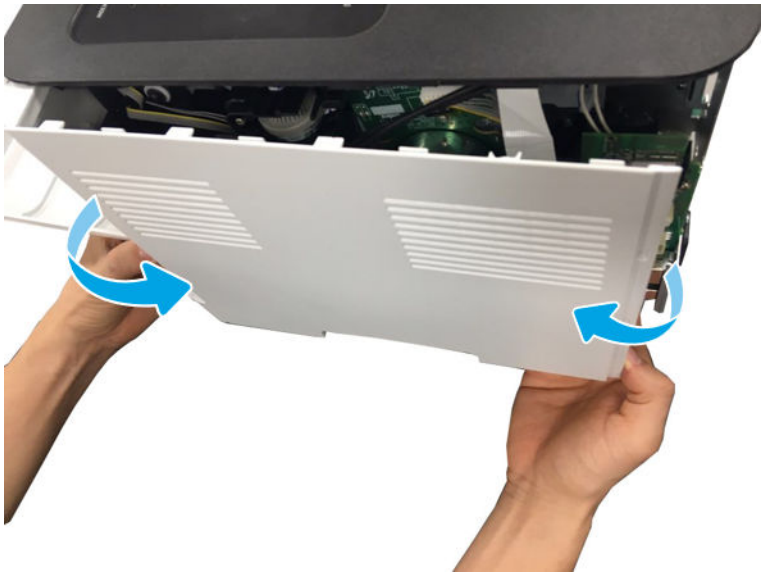
   Figure 1-269 Remove the rear cover



2. Remove the right cover.

   ▲ Open the front door, and then remove the right cover by releasing the hooks.

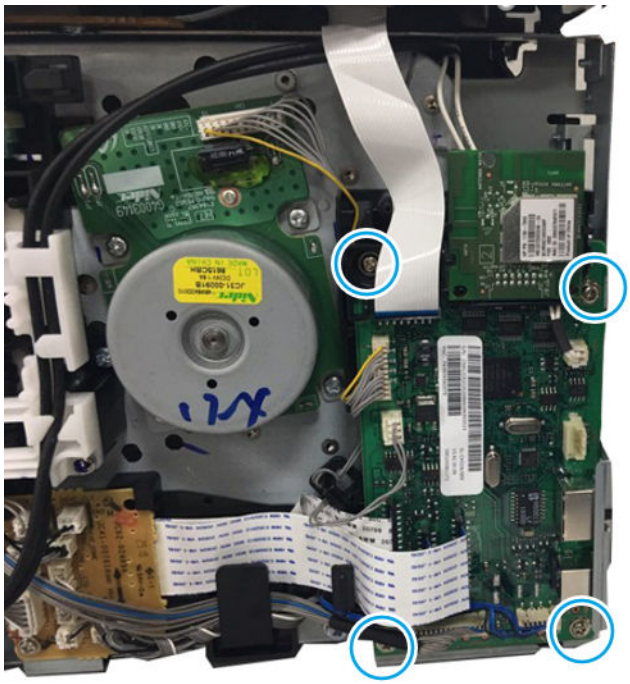
Figure 1-270 Remove the right cover



3. Remove the Formatter(Main PCA).

   ▲ Disconnect all connectors. Remove four screws. And then, remove the Formatter(Main PCA).

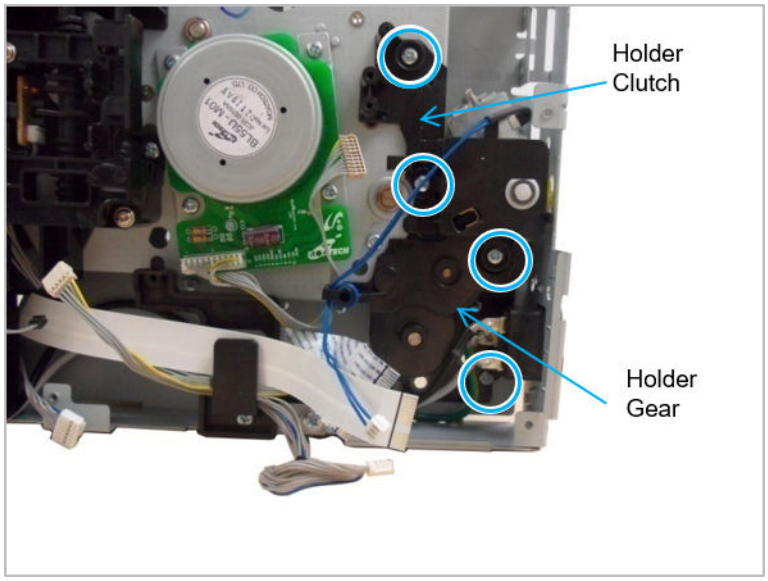
   Figure 1-271 Remove the Formatter(Main PCA)

4. Remove the main drive unit.

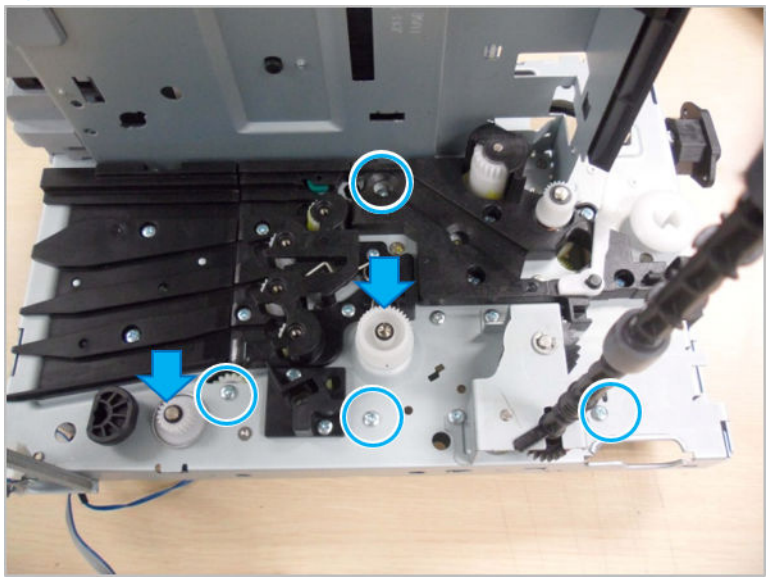
   a. Remove four screws, and then remove the Holder-Clutch and Holder-Gear.

Figure 1-272 Remove cluches and screws



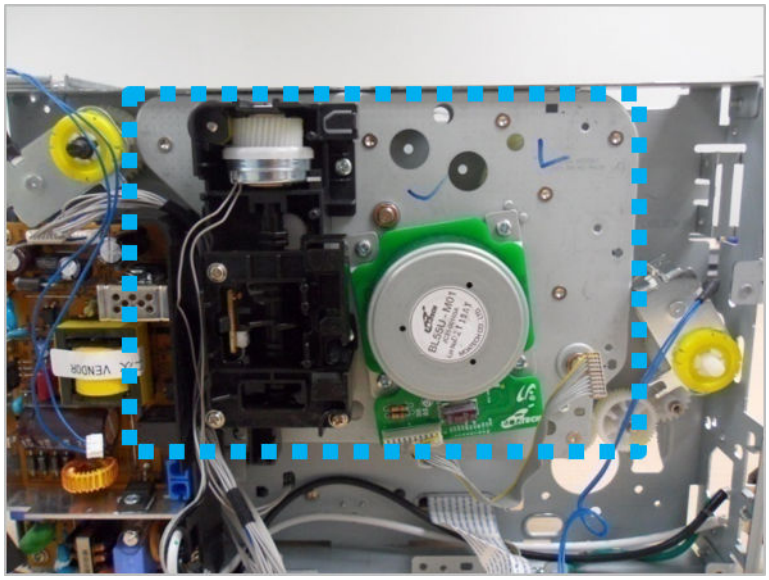
b. Remove four screws, and then remove two gears from the the right frame.

Figure 1-273 Remove screws and gears



c. Remove the main drive unit.

Figure 1-274 Remove the main drive unit



5. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Drive assembly

This document provides the procedures to remove and replace the Main Drive.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-44 Part information

Part number	Description
JC93-00714A	Drive assembly

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the right cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

      Figure 1-275 Remove four screws

b. Open the front cover.

Figure 1-276 Open the front cover

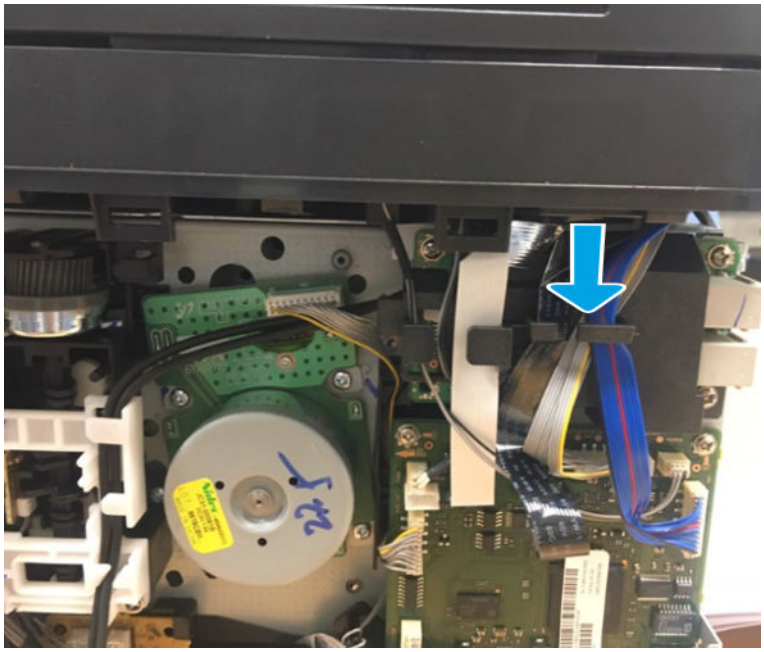
c. Release the right cover.

Figure 1-277 Remove right cover

2. Remove the fax PCA.

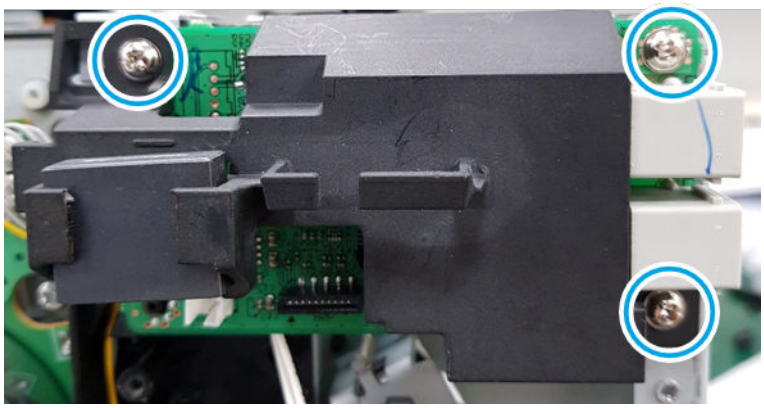
a. Release all cables from the cable holder. And then, disconnect the fax FFC on the fax PCA.

Figure 1-278 Release harness



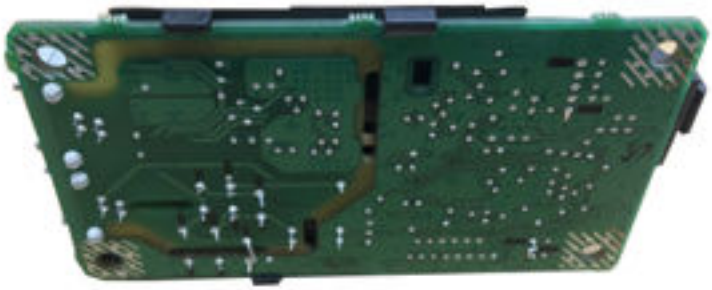
b. Remove three screws. And then, remove the fax PCA with the cover.

Figure 1-279 Remove the three screws



c. Release the hook, and then remove the fax PCA cover.

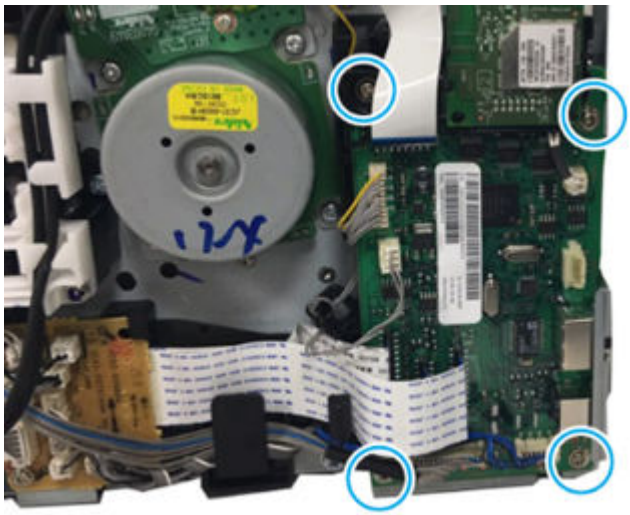
Figure 1-280 Remove the fax board cover



3. Remove the formatter (Main PCA).

▲ Unplug all connector. Remove four screws. And remove the formatter (Main PCA).

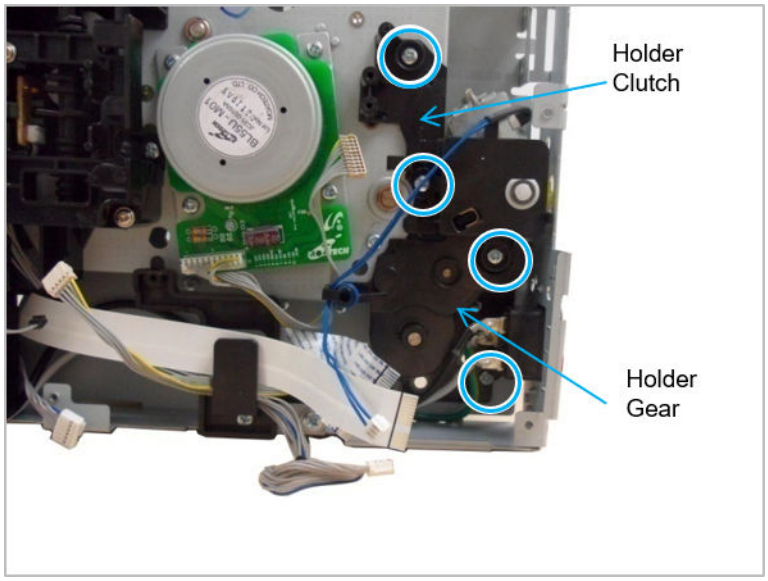
Figure 1-281 Remove the formatter (Main PCA)



4. Remove the Main Drive.

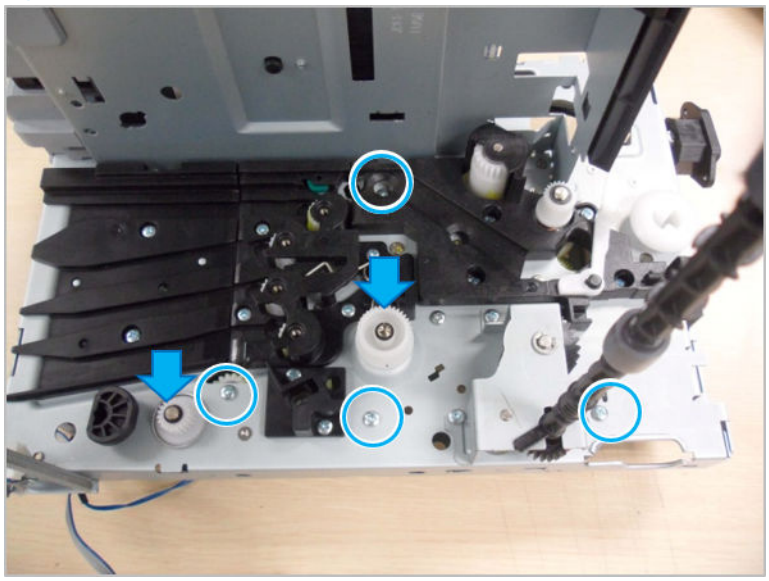
a. Remove four screws, and then remove the Holder-Clutch and Holder-Gear.

Figure 1-282 Remove cluches and screws



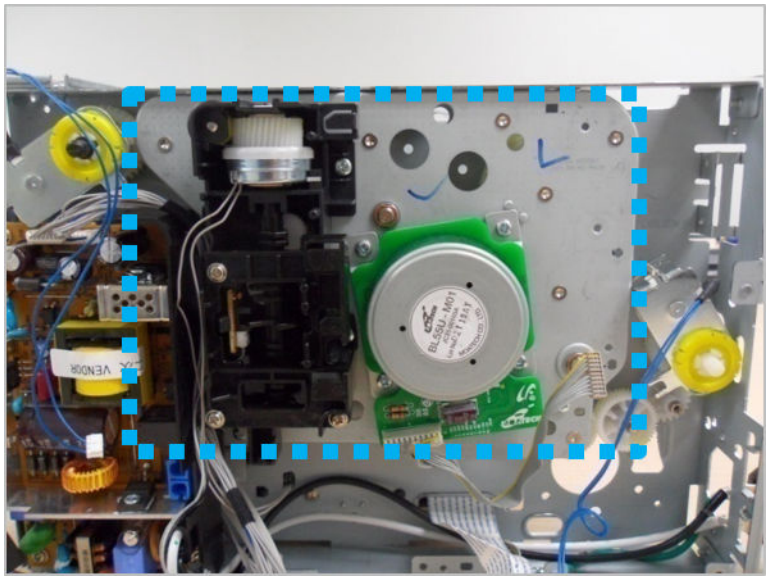
b. Remove four screws, and then remove two gears from the the right frame.

Figure 1-283 Remove screws and gears



c. Remove the main drive unit.

Figure 1-284 Remove the main drive unit



5. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

HP Color Laser MFP 178 179 - Removal and replacement: Wireless PCA

This document provides the procedures to remove and replace the wireless PCA.

Mean time to repair: 10 minutes

Service level: Intermediate

IMPORTANT: 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.

Before performing service

- Disconnect the power cable.

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

Use the table below to identify the correct part number for your printer. To order the part, go to https://parts.hp.com

Table 1-45 Part information

Part number	Description
JC98-05711A	Wireless PCA (178nw,179fnw,178nwg,179fwg)

Required tools

- No special tools are needed to remove or install this assembly.

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.

1. Remove the left cover.
   a. Remove four screws from the rear of the machine, and then remove the rear cover.

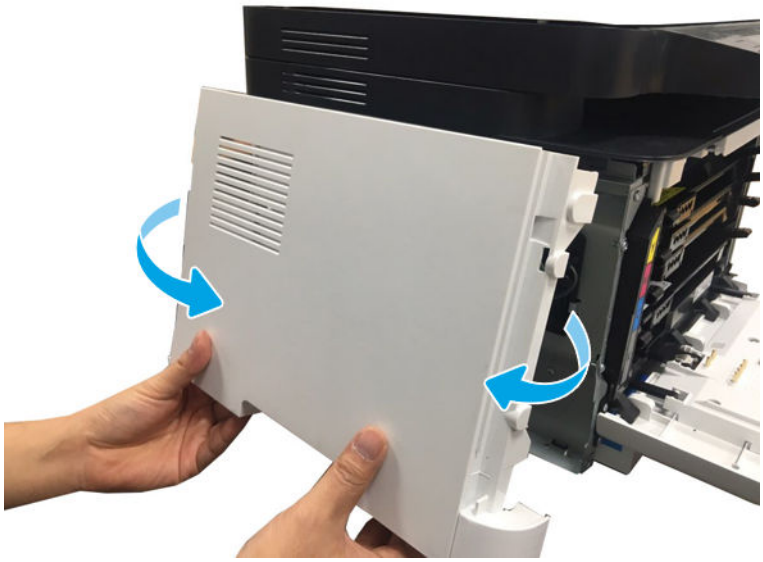
      Figure 1-285 Remove four screws

b. Open the front cover.

Figure 1-286 Open the front cover

c. Release the left cover.

Figure 1-287 Remove left cover



2. Remove the right cover.

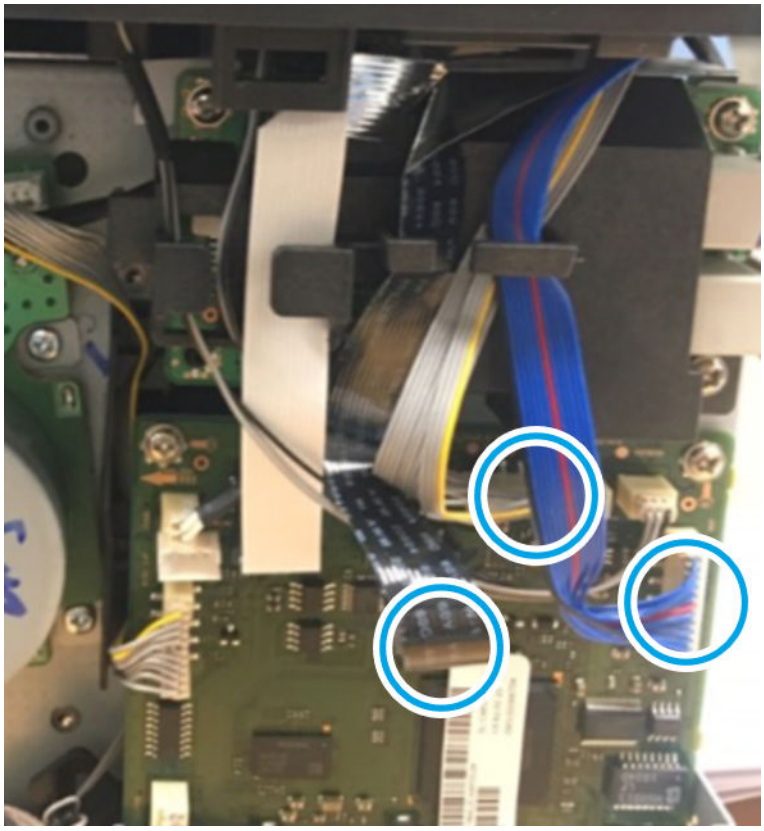
▲ Release the right cover.

Figure 1-288 Remove right cover

3. Remove the platen unit.

   a. Disconnect the scan connectors from the Formatter(Main PCA).

Figure 1-289 Disconnect the scan connectors

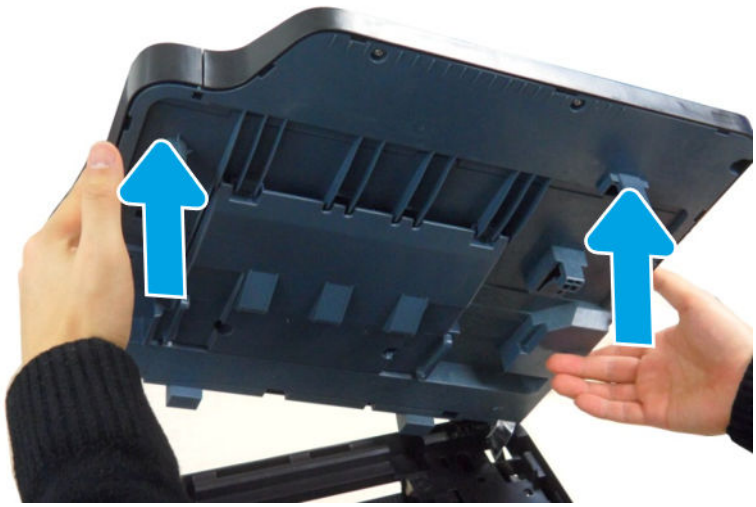


b. Open the platen unit. Release the Scanner Hinge unit.

Figure 1-290 Release the Scanner Hinge

c. Lift up and release the platen unit.

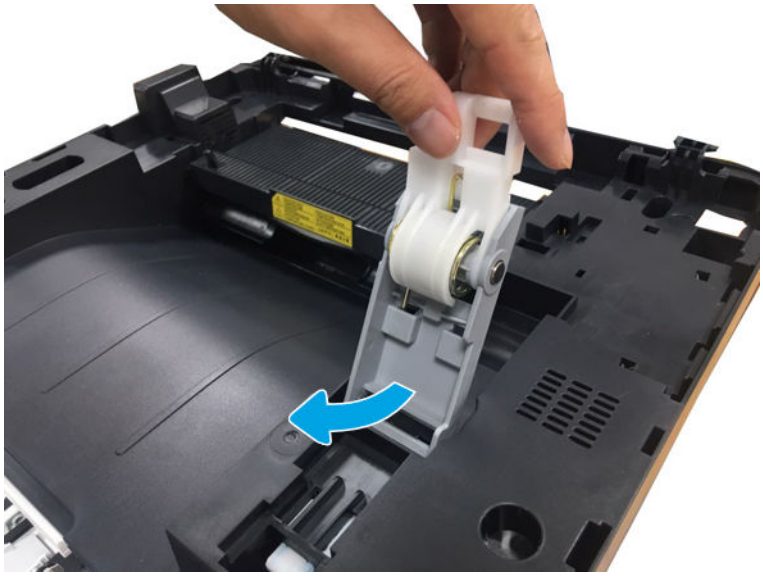
Figure 1-291 Remove the platen



4. Remove the middle cover.

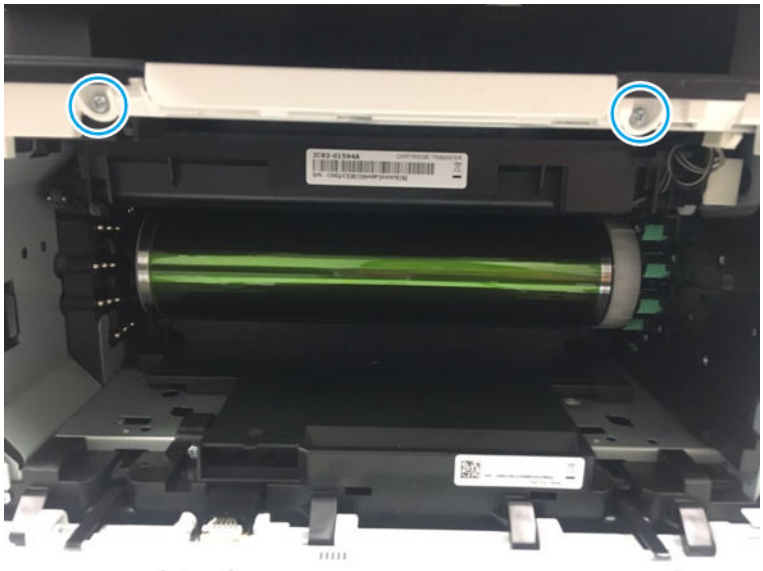
a. Remove the Scanner Hinge unit.

Figure 1-292 Remove the Scanner Hinge unit.



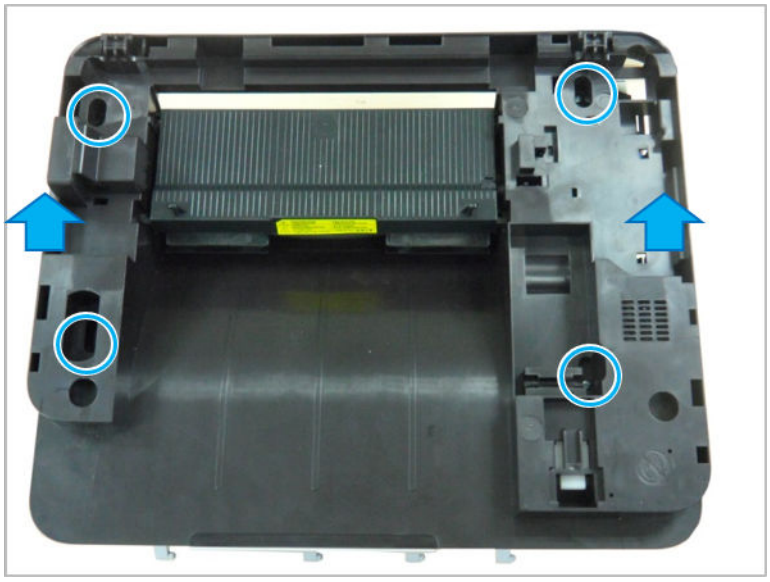
b. Remove two screws from the front.

Figure 1-293 Remove two screws



c. Remove four screws, and then lift up the middle cover to remove it.

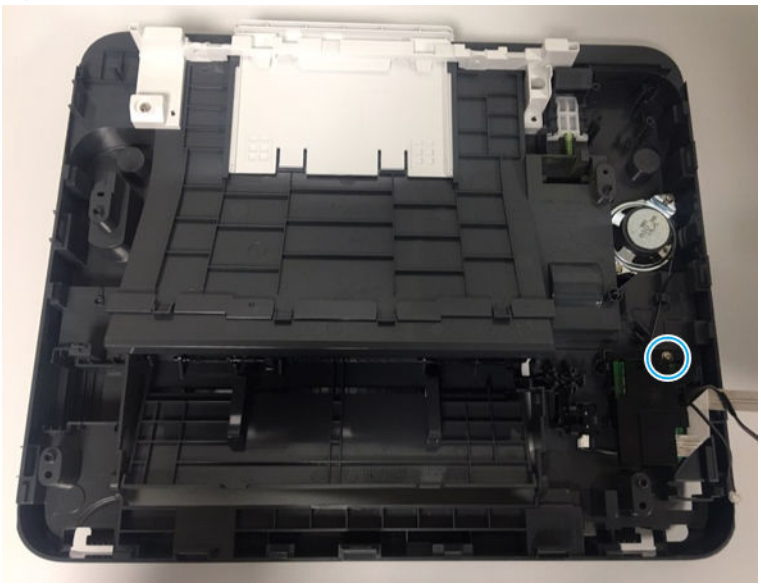
Figure 1-294 Release the middle cover



5. Remove the wireless PCA.

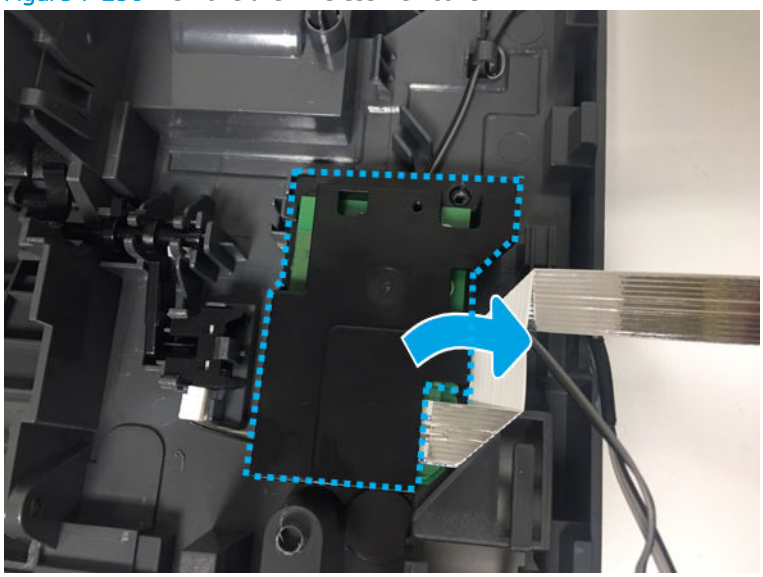
a. Remove one screw on the back of the middle cover.

Figure 1-295 Remove one screw



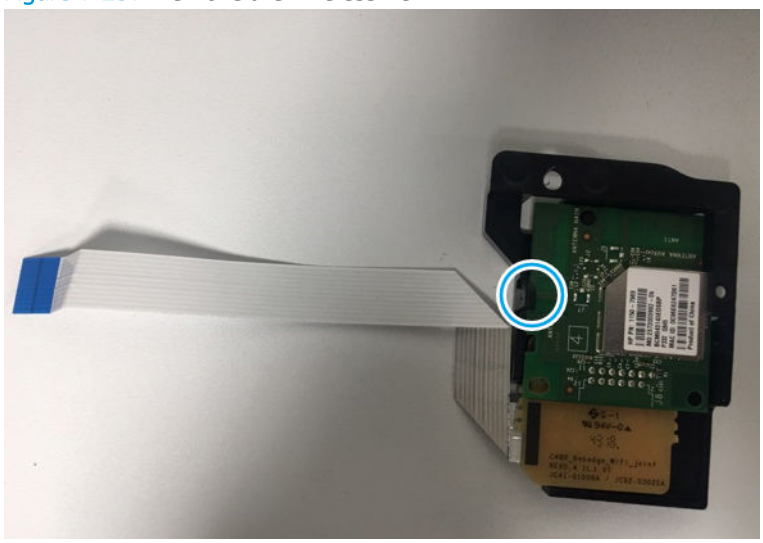
b. Remove the wireless PCA cover.

Figure 1-296 Remove the wireless PCA cover



c. Remove the hook and then remove the wireless PCA.

Figure 1-297 Remove the wireless PCA



6. Unpack the replacement assembly.

a. 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

b. Unpack the replacement part from the packaging.

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

c. 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.

2 Parts and diagrams

For additional service and support

HP service personnel, go to one of the following Web-based Interactive Search Engines (WISE) sites:

AMS

- https://support.hp.com/wise/home/ams-en
- https://support.hp.com/wise/home/ams-es
- https://support.hp.com/wise/home/ams-pt

APJ

- https://support.hp.com/wise/home/apj-en
- https://support.hp.com/wise/home/apj-ja
- https://support.hp.com/wise/home/apj-ko
- https://support.hp.com/wise/home/apj-zh-Hans
- https://support.hp.com/wise/home/apj-zh-Hant

EMEA

- https://support.hp.com/wise/home/emea-en

Channel partners, go to HP Channel Services Network (CSN) at http://www.hp.com/partners/csn.

At these locations, find information on the following topics:

- Install and configure
- Printer specifications
- Up-to-date control panel message (CPMD) troubleshooting
- Solutions for printer issues and emerging issues
- Remove and replace part instructions and videos

- Service advisories
- Warranty and regulatory information

Channel partners, access training materials in the HP University and Partner Learning Center at https://content.ext.hp.com/sites/LMS/HPU.page.

To access HP PartSurfer information from any mobile device, go to http://partsurfermobile.hp.com/ or scan the Quick Response (QR) code below.

Order parts by authorized service providers

Ordering

Table 2-1 Ordering

Item	Description
Order supplies and paper	http://www.hp.com/go/suresupply
Order genuine HP parts or accessories	https://parts.hp.com
Order through service or support providers	Contact an HP-authorized service or support provider.

Orderable parts

Not all parts can be ordered. Refer to the parts table following the exploded diagram in the parts chapter to determine if a part is orderable.

Whole unit replacement (WUR)

Table 2-2 Whole unit replacement (WUR)

HP Laser model	Whole unit replacement part number
Product-Exchange 220V 150a EU	4ZB94-69001
Product-Replacement 220V 150a AP	4ZB94-67002
Product-Exchange 220V 150nw EU	4ZB95-69001
Product-Replacement 220V 150nw AP	4ZB95-67002
Product-Exchange 110V 178nw NA/TW	4ZB96-69001
Product-Exchange 220V 178nw EU	4ZB96-69002
Product-Replacement 220V 178nw AP	4ZB96-67003
Product-Exchange 110V 179fnw NA/TW	4ZB97-69001
Product-Exchange 220V 179fnw EU	4ZB97-69002
Product-Replacement 220V 179fnw AP	4ZB97-67003

Supplies and accessories

Toner cartridge part numbers	
North America, Latin America only:	
W2060A	HP 116A Black Original Laser Toner Cartridge
W2061A	HP 116A Cyan Original Laser Toner Cartridge

Toner cartridge part numbers	
W2062A	HP 116A Yellow Original Laser Toner Cartridge
W2063A	HP 116A Magenta Original Laser Toner Cartridge
Europe, Russia, CIS, Middle East, and Africa only:	
W2070A	HP 117A Black Original Laser Toner Cartridge
W2071A	HP 117A Cyan Original Laser Toner Cartridge
W2072A	HP 117A Yellow Original Laser Toner Cartridge
W2073A	HP 117A Magenta Original Laser Toner Cartridge
China only:	
W2080A	HP 118A Black Original Laser Toner Cartridge
W2081A	HP 118A Cyan Original Laser Toner Cartridge
W2082A	HP 118A Yellow Original Laser Toner Cartridge
W2083A	HP 118A Magenta Original Laser Toner Cartridge
Asia Pacific Countries/Regions (excluding China) only:	
W2090A	HP 119A Black Original Laser Toner Cartridge
W2091A	HP 119A Cyan Original Laser Toner Cartridge
W2092A	HP 119A Yellow Original Laser Toner Cartridge
W2093A	HP 119A Magenta Original Laser Toner Cartridge

Related documentation and software

HP service personnel, go to one of the following Web-based Interactive Search Engines (WISE) sites:

AMS

- https://support.hp.com/wise/home/ams-en
- https://support.hp.com/wise/home/ams-es
- https://support.hp.com/wise/home/ams-pt

APJ

- https://support.hp.com/wise/home/apj-en
- https://support.hp.com/wise/home/apj-ja
- https://support.hp.com/wise/home/apj-ko
- https://support.hp.com/wise/home/apj-zh-Hans
- https://support.hp.com/wise/home/apj-zh-Hant

EMEA

- https://support.hp.com/wise/home/emea-en

Channel partners, go to HP Channel Services Network (CSN) at http://www.hp.com/partners/csn.

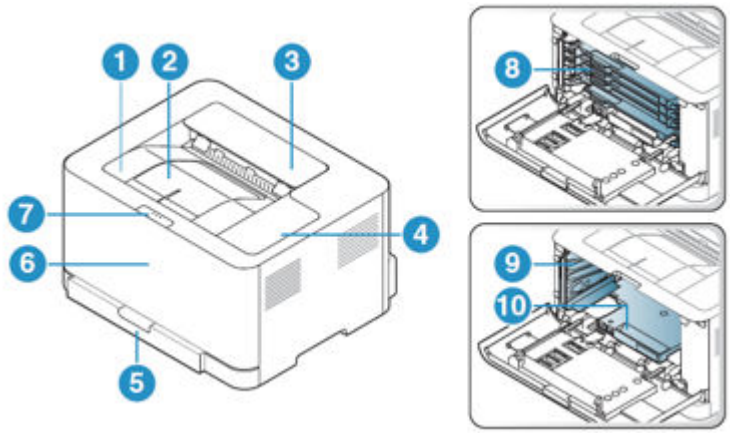
Channel partners, access training materials in the HP University and Partner Learning Center at https://content.ext.hp.com/sites/LMS/HPU.page.

Assembly locations

External panels, doors, and covers

HP Color Laser 150

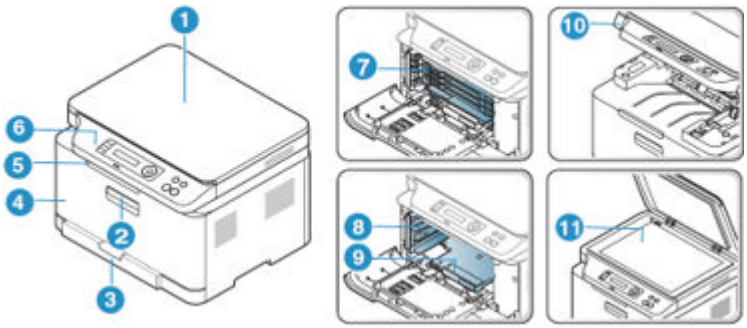
Figure 2-1 External panels, doors, and covers (HP HP Color Laser 150)



No.	Name	No.	Name
1	Output tray	6	Front cover
2	Output support	7	Front cover release button
3	Top cover	8	Toner cartridges
4	Control Panel	9	Toner Collection Unit
5	Tray	10	Imaging drum

HP Color Laser MFP 178

Figure 2-2 External panels, doors, and covers (HP Color Laser MFP 178)



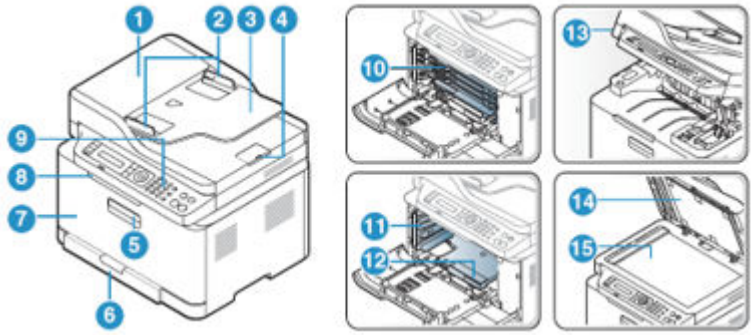
No.	Item	No.	Item
1	Scanner lid	7	Toner cartridges
2	Front handle	8	Toner Collection Unit

No.	Item	No.	Item
3	Tray	9	Imaging unit
4	Front door	10	Scan unit[ab]
5	Output support	11	Scanner glass
6	Control panel		

[a] Close the scanner lid before opening the scan unit.
[b] Be careful not to pinch your fingers.

HP Color Laser MFP 179

Figure 2-3 External panels, doors, and covers (HP Color Laser MFP 179)



No.	Item	No.	Item
1	Document feeder cover	9	Control panel
2	Document feeder width guide	10	Toner cartridges
3	Document feeder input tray	11	Toner collection unit
4	Document feeder output support	12	Imaging unit
5	Front handle	13	Scan unit[ab]
6	Tray	14	Scanner lid
7	Front cover	15	Scanner glass
8	Output support		

[a] Close the scanner lid before opening the scan unit.
[b] Be careful not to pinch your fingers.

How to use the parts lists and diagrams

The figures in this chapter show the major subassemblies in the printer and their component parts. A parts list table follows each exploded view assembly diagram. Each table lists the item number, the associated part number, and the description of each part. If a part is not listed in the table, then it is not a field replacement unit (FRU).

⚠ CAUTION: Be sure to order the correct part. When looking for part numbers for electrical components, pay careful attention to the voltage that is listed in the description column. Doing so will ensure that the part number selected is for the correct model.

NOTE: In this manual, the abbreviation “PCA” stands for “printed circuit-board assembly.” Components described as a PCA might consist of a single circuit board or a circuit board plus other parts, such as cables and sensors.

Parts and diagrams: Covers

Cover (HP Color Laser 150a, 150nw)

Figure 2-4 Cover (HP Color Laser 150a, 150nw)

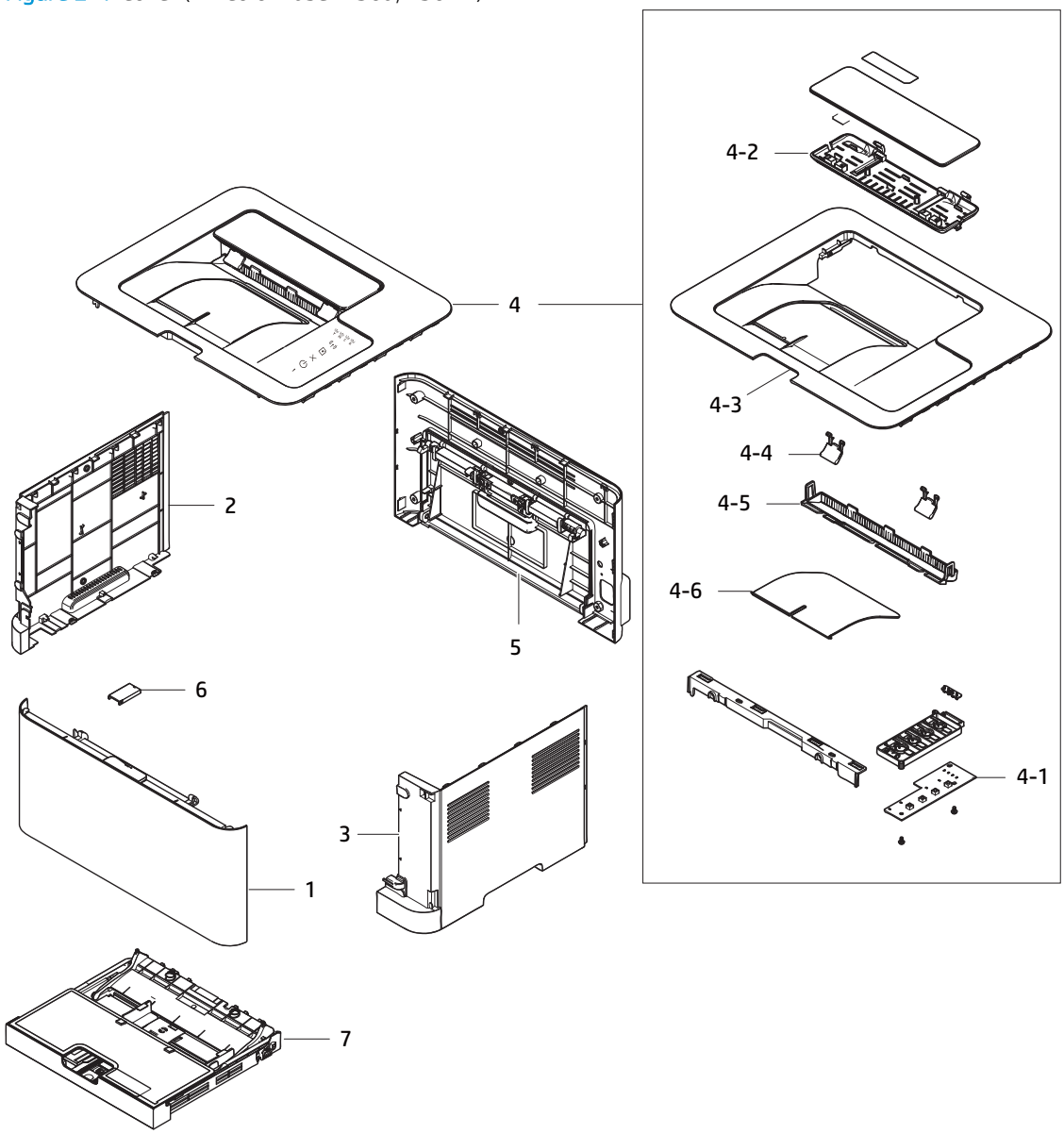


Table 2-3 Cover (HP Color Laser 150a, 150nw)

Ref	Description	Part Number(*)	Qty
1	Front cover	JC95-02227A(*)	1
2	Left cover	JC63-03531C(*)	1
3	Right cover	JC63-03567C(*)	1
4	Top cover assembly(150a)	JC95-02228A(*)	1

Table 2-3 Cover (HP Color Laser 150a, 150nw) (continued)

Ref	Description	Part Number(*)	Qty
4	Top cover assembly(150nw)	JC95-02228B(*)	1
4-1	Control panel PCA (150a)	JC92-02826C(*)	1
4-1	Control panel PCA (150nw)	JC92-02826D(*)	1
4-2	Jam cover	JC63-03534D	1
4-3	Top cover	JC63-06090A	1
4-4	Stacker PMO sub	JC67-00603A	1
4-5	Exit cover	JC63-03569D	1
4-6	Tray stacker	JC61-05006D	1
5	Rear cover	JC95-01588F(*)	1
5	Rear cover	JC95-01588G(*)	1
6	Harness cover	JC63-01574A	1
7	Cassette tray	JC90-01142F(*)	1

(*) This is in system.

Cover (HP Color Laser MFP 178nw, 179fnw, 178nwg, 179fwg)

Figure 2-5 Cover (HP Color Laser MFP 178nw, 179fnw,178nwg, 179fwg)

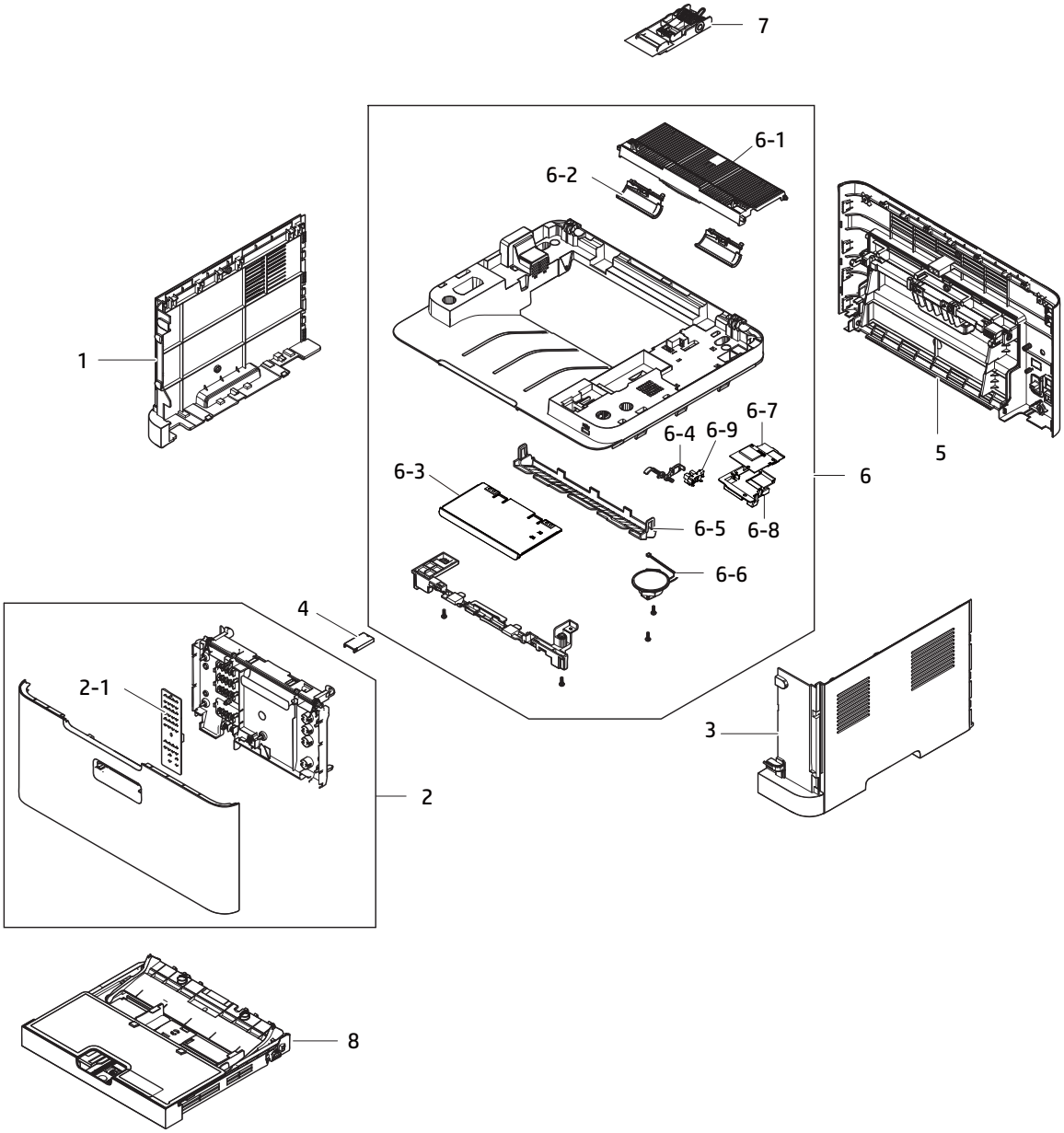


Table 2-4 Cover (HP Color Laser MFP 178nw, 179fnw,178nwg, 179fwg)

Ref	Description	Part Number(*)	Qty
1	Left cover	JC63-03548C(*)	1
2	Front cover	JC95-02230A(*)	1
3	Right cover	JC63-03552C(*)	1
4	Harness cover	JC63-01574A	1
5	Rear cover (179fnw,179fwg)	JC95-01596J(*)	1
5	Rear cover (178nw,178nwg)	JC95-01596H(*)	1

Table 2-4 Cover (HP Color Laser MFP 178nw, 179fnw,178nwg, 179fwg) (continued)

Ref	Description	Part Number(*)	Qty
6	Middle cover (179fnw,179fwg)	JC95-01590J(*)	1
6	Middle cover (178nw,178nwg)	JC95-01590H(*)	1
6-1	Jam cover	JC63-03541D	1
6-2	Stacker actuator	JC66-02748A	2
6-3	Extension tray	JC61-05008C	1
6-4	Outbin full actuator	JC66-03362A	1
6-5	Exit cover	JC63-03570D	1
6-6	Speaker	3001-002207(*)	1
6-7	Wireless PCA (150nw)	JC92-03037A(*)	1
6-7	Wireless PCA assembly (178nw,179fnw,178nwg,179fwg)	JC98-05711A(*)	1
6-8	Wireless PCA holder	JC61-08565A	1
6-9	Photo-interrupter	0604-001415(*)	1
7	Scanner hinge (179fnw,179fwg)	JC93-00528B(*)	1
7	Scanner hinge (178nw,178nwg)	JC93-00528A(*)	1
8	Cassette tray	JC90-01142F(*)	1

(*) This is in system

Parts and diagrams: Control panel assembly

Control panel assembly (HP Color Laser MFP 178nw,178nwg)

Figure 2-6 Control panel assembly (HP Color Laser MFP 178nw,178nwg)

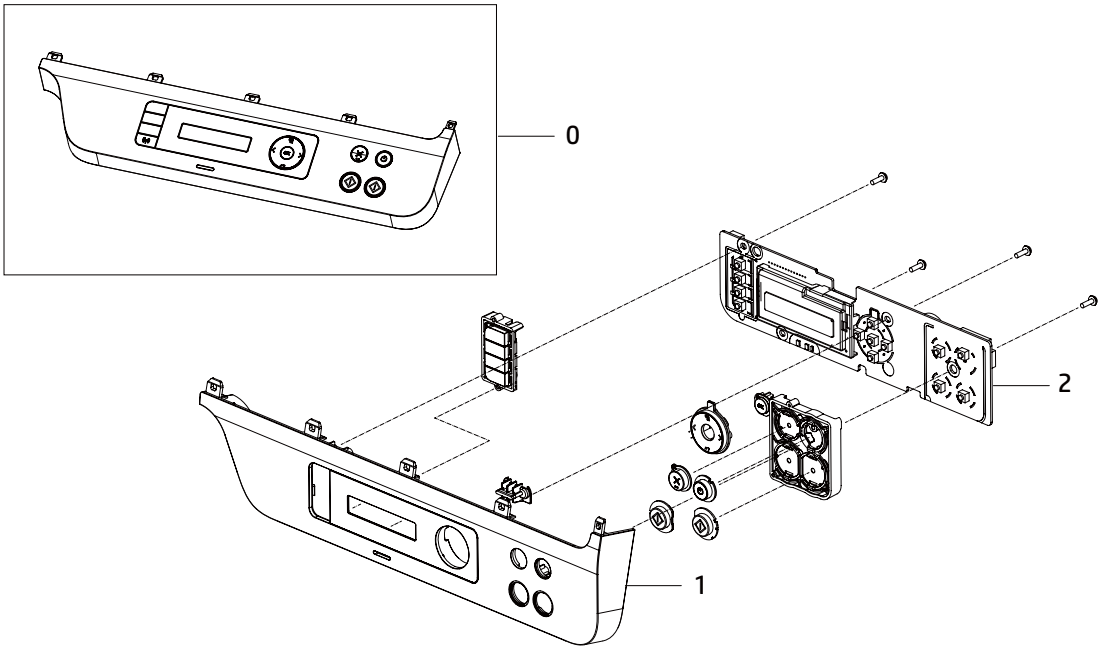


Table 2-5 Control panel assembly (HP Color Laser MFP 178nw,178nwg)

Ref	Description	Part Number(*)	Qty
0	Control panel assembly (Worldwide except China)	JC97-05100A(*)	1
0	Control panel assembly (China only)	JC97-05100B(*)	1
1	Control panel cover	JC63-06102A(*)	1
2	Control panel PCA (Worldwide except China)	JC92-02496E(*)	1
2	Control panel PCA (China only)	JC92-02496K(*)	1

(*) This is in system.

Control panel assembly (HP Color Laser MFP 179fnw,179fwg)

Figure 2-7 Control panel assembly (HP Color Laser MFP 179fnw,179fwg)

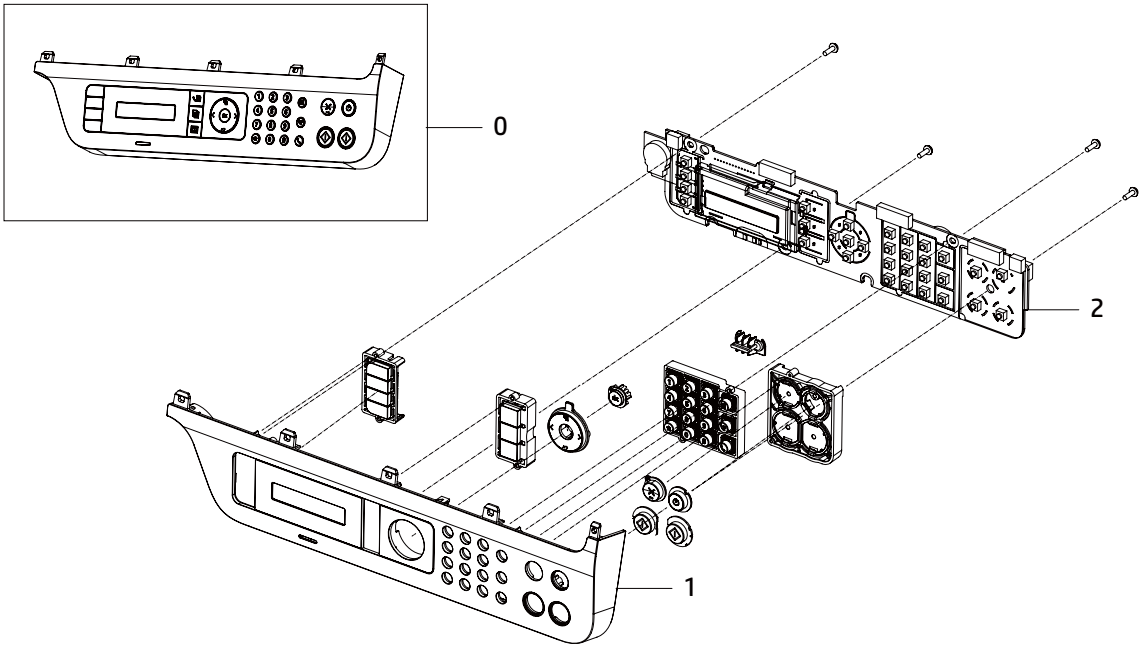


Table 2-6 Control panel assembly (HP Color Laser MFP 179fnw,179fwg)

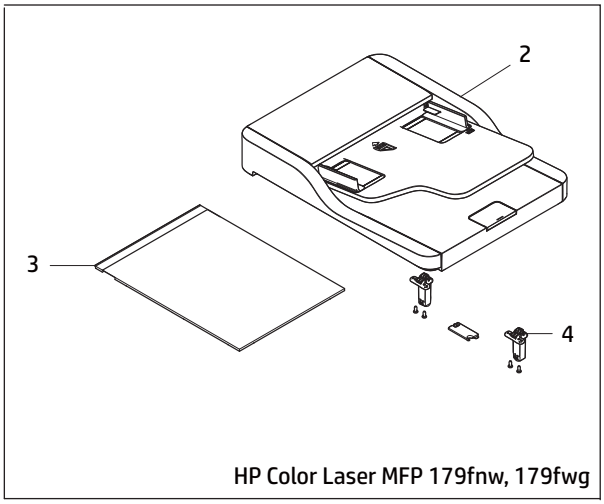
Ref	Description	Part Number(*)	Qty
0	Control panel assembly (Worldwid except China)	JC97-05062A(*)	1
0	Control panel assembly (China only)	JC97-05062B(*)	1
1	Control panel cover	JC63-06103A(*)	1
2	Control panel PCA (Worldwid except China)	JC92-02497E(*)	1
2	Control panel PCA (China only)	JC92-02497K(*)	1

(*) This is in system.

Parts and diagrams: Document feeder and scanner assemblies

Automatic Document Feeder(ADF) & Document feeder lid

Figure 2-8 Automatic Document Feeder(ADF) & Document feeder lid



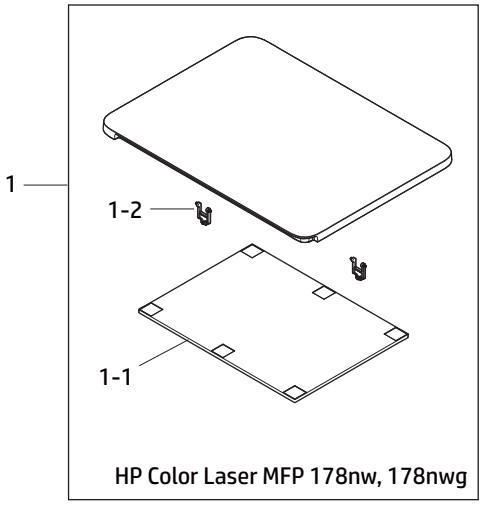


Table 2-7 Automatic Document Feeder(ADF) & Document feeder

Ref	Description	Part Number(*)	Qty
1	Document lid assembly (178nw,178nwg)	JC97-05046A(*)	1
1-1	White sponge sheet (178nw,178nwg)	JC63-00209A	1
1-2	Document lid hinge (178nw,178nwg)	JC61-00929A(*)	2
2	Automatic Document Feeder(ADF) (179fnw,179fwg)	JC97-04067C(*)	1
3	White sponge sheet (179fnw,179fwg)	JC63-02569A(*)	1
4	ADF hinge (179fnw,179fwg)	JC97-05056A(*)	2

(*) This is in system.

Flatbed scanner assembly (HP Color Laser MFP 178nw, 179fnw,178nwg,179fwg)

Figure 2-9 Flatbed scanner assembly (HP Color Laser MFP 178nw, 179fnw,178nwg,179fwg)

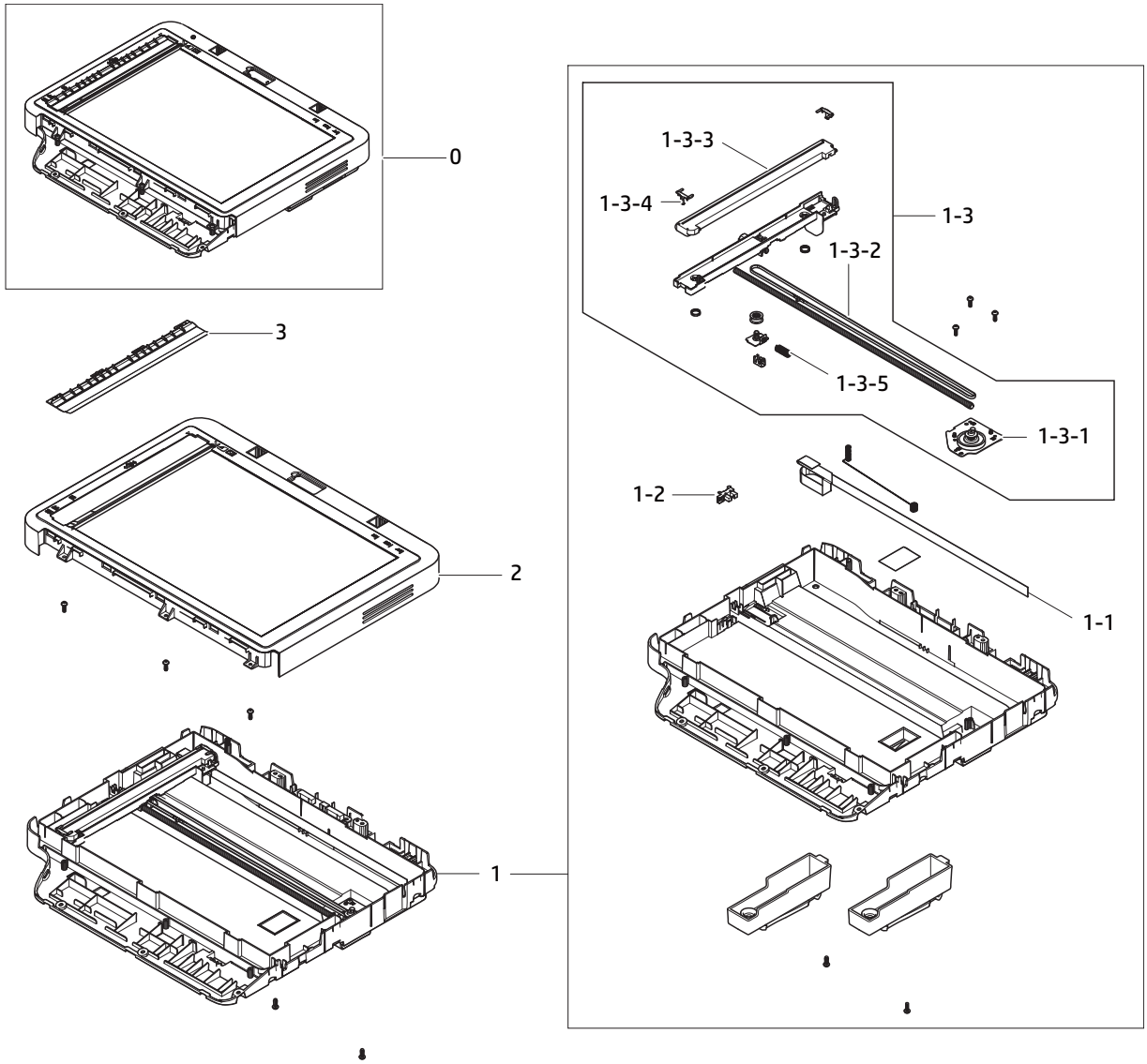


Table 2-8 Flatbed scanner assembly (HP Color Laser MFP 178nw, 179fnw,178nwg,179fwg)

Ref	Description	Part Number(*)	Qty
0	Flabed scanner assembly (179fnw,179fwg)	JC97-05047A(*)	1
0	Flabed scanner assembly (178nw,178nwg)	JC97-05045A(*)	1
1	Scanner lower assembly(179fnw)	JC97-05057A(*)	1
1	Scanner lower assembly(178nw)	JC97-05058A(*)	1
1-1	CIS FFC	JC39-02676A(*)	1
1-2	Photo-Interrupter	0604-001415(*)	1
1-3	CIS carriage assembly	JC97-04862A	1
1-3-1	Scanner drive assembly	JC93-00712A(*)	1

Table 2-8 Flatbed scanner assembly (HP Color Laser MFP 178nw, 179fnw,178nwg,179fwg) (continued)

Ref	Description	Part Number(*)	Qty
1-3-2	Scanner gear belt	6602-001637	1
1-3-3	Contact Image Sensor (CIS)	0609-001409(*)	1
1-3-4	CIS slider	JC66-01580A	1
1-3-5	Spring, CS	6107-001194	1
2	Scanner upper assembly	JC97-05049A	1
3	Scanner ADF sheet	JC97-05048A(*)	1

(*) This is in system.

Parts and diagrams: Internal assemblies

Frame assembly 1

Figure 2-10 Frame assembly 1

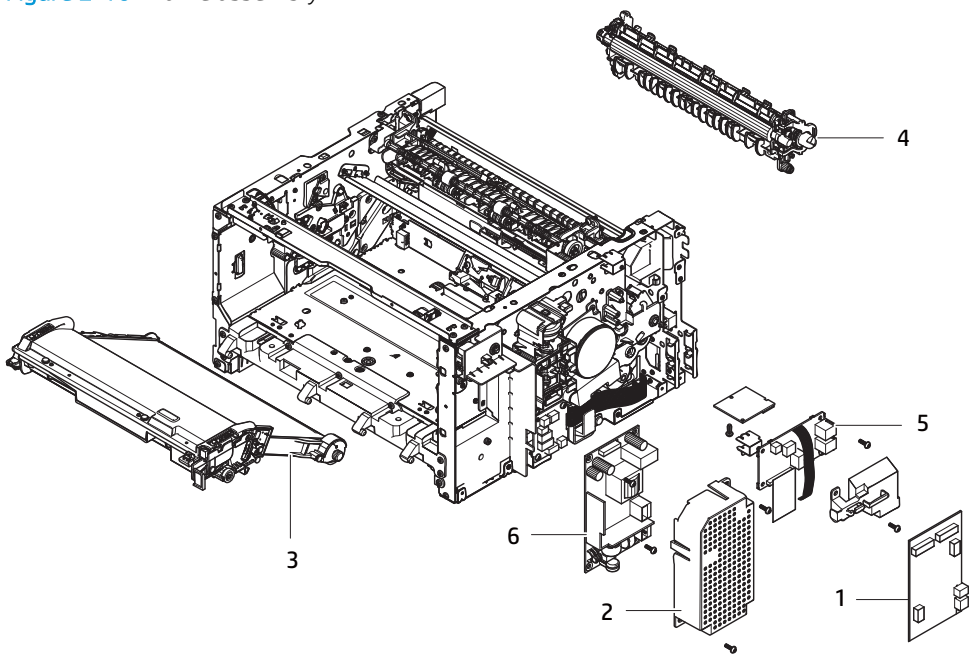


Table 2-9 Frame assembly 1

Ref	Description	Part Number(*)	Qty
1	Formatter (Main PCA) (150a)	JC92-03026A(*)	1
1	Formatter (Main PCA) (150nw)	JC92-03026B(*)	1
1	Formatter (Main PCA) (178nw,178nwg)	JC92-03027A(*)	1
1	Formatter (Main PCA) (179fnw,179fwg)	JC92-03027B(*)	1
2	LVPS	JC63-03861A	1
3	ITB unit	JC93-01594A(*)	1
4	Transfer roller assembly	JC93-00708A(*)	1
5	Fax PCA (179fnw,179fwg)	JC92-03045A(*)	1
6	LVPS-V2 (220V)	JC44-00214A(*)	1
6	LVPS-V1 (110V)	JC44-00213A(*)	1

(*) This is in system.

Frame assembly 2

Figure 2-11 Frame assembly 2

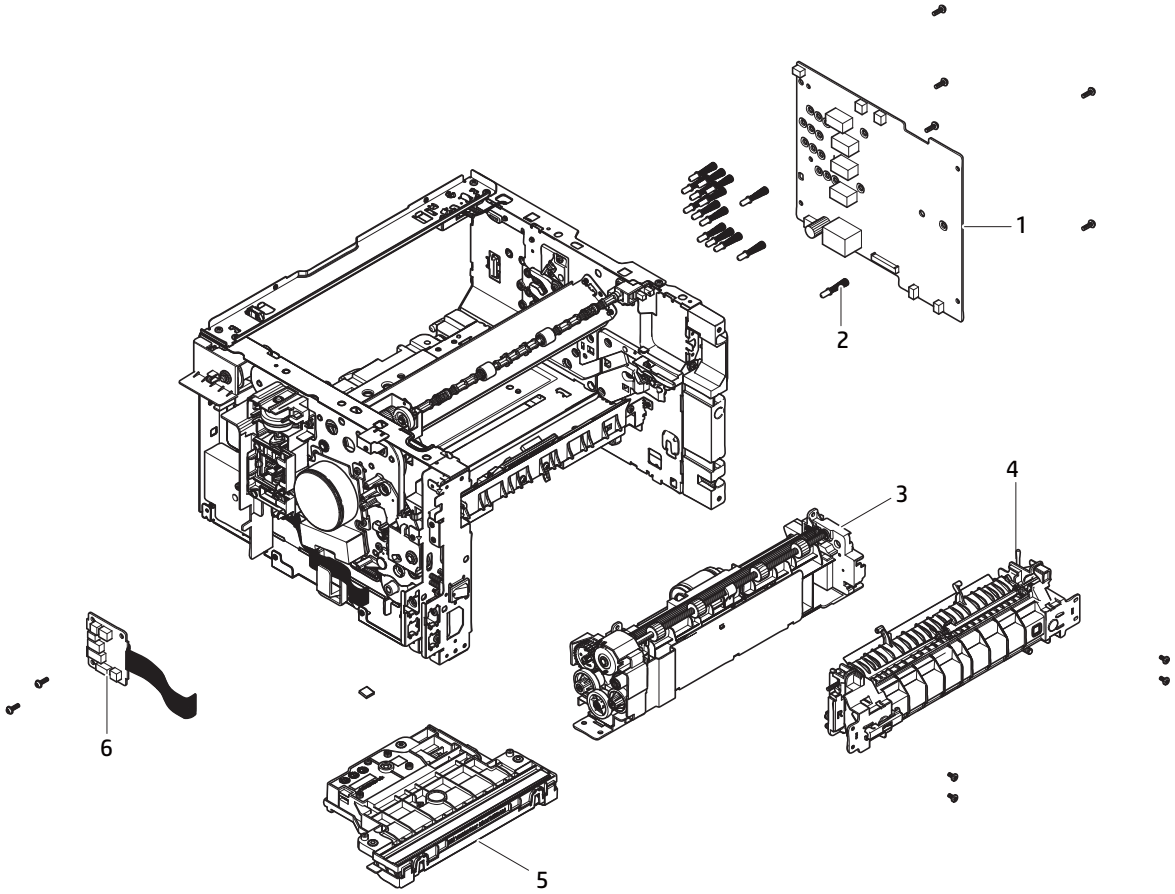


Table 2-10 Frame assembly 2

Ref	Description	Part Number	Qty
1	HVPS	JC44-00215B(*)	1
2	HV terminal	JC93-00734A(*)	15
3	Paper path assembly (150a)	JC93-01564A(*)	1
3	Paper path assembly (150nw)	JC93-01564B(*)	1
3	Paper path assembly (178nw,179fnw,178nwg,179fwg)	JC93-01564C(*)	1
4	Fuser (220V)	JC91-01080A(*)	1
4	Fuser (110V)	JC91-01079A(*)	1
5	Laser Scaning Unit (LSU)	JC97-04058A(*)	1
6	Joint PCA	JC92-02489A(*)	1

(*) This is in system.

Frame assembly 3

Figure 2-12 Frame assembly 3

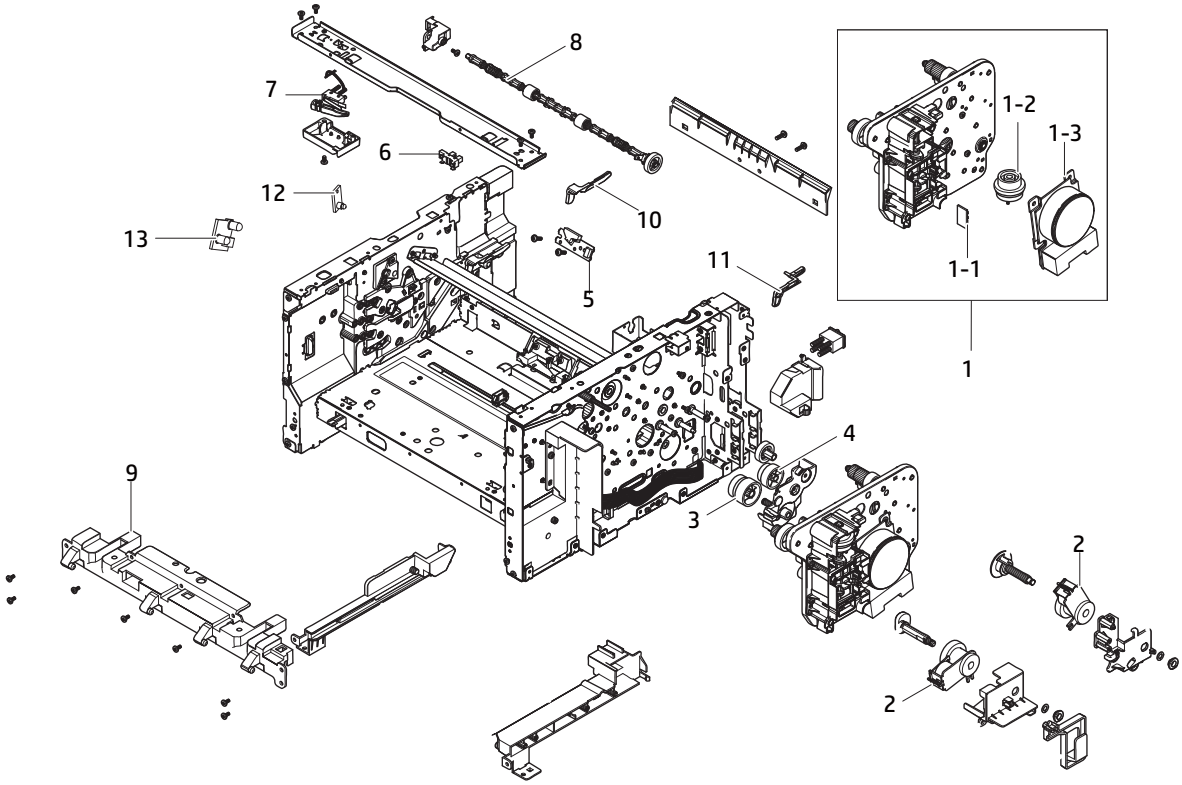


Table 2-11 Frame3

Ref	Description	Part Number(*)	Qty
1	Drive assembly	JC93-00714A	1
1-1	Deve home PCA	JC92-01986A(*)	1
1-2	Clutch	JC47-00033F(*)	1
1-3	Drive motor	JC31-00091B(*)	1
2	ITB Cleaning Blade Engage Clutch/T2 Nip Release Clutch	JC47-00007F(*)	2
3	Feed gear	JC66-03829A	1
4	T2 CAM gear	JC66-03828A	1
5	CTD sensor	JC32-00014A(*)	1
6	Photo-Interrupter	0604-001415(*)	1
7	Cover switch harness	JC39-01704A(*)	1
8	Fuser exit roller	JC91-01078A(*)	1
9	Front hinge guide	JC61-05677A(*)	1
10	ITB left locker	JC64-00856A(*)	1
11	ITB right locker	JC64-00855A(*)	1

Table 2-11 Frame3 (continued)

Ref	Description	Part Number(*)	Qty
12	Eraser PCA	JC92-02568A(*)	1
13	TCU PCA	JC92-01993A(*)	1

(*) This is in system.

Paper path assembly

Figure 2-13 Paper path assembly

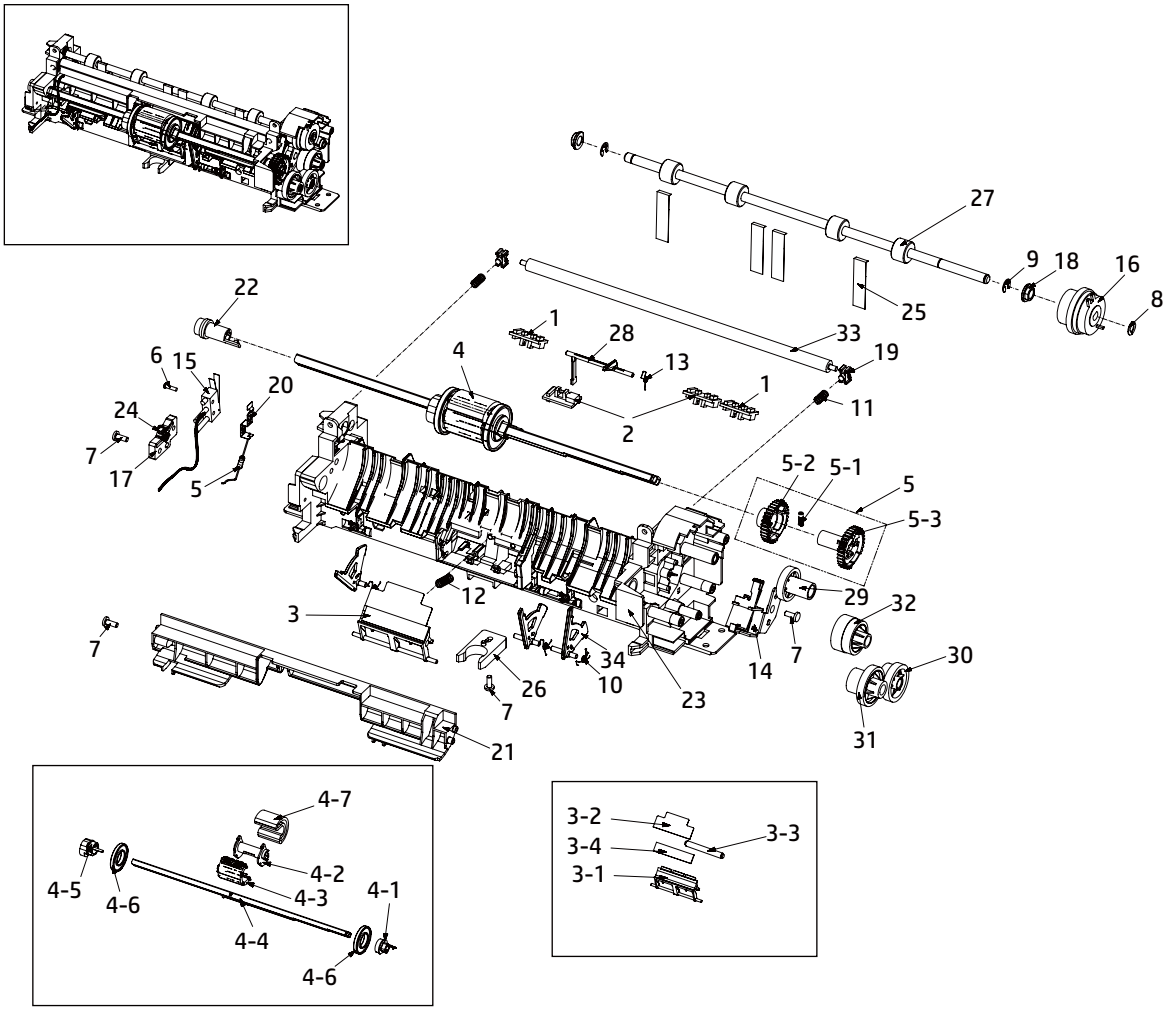


Table 2-12 Paper path assembly

Ref	Description	Part Number(*)	Qty
0	Paper path assembly (150a)	JC93-01564A(*)	1
0	Paper path assembly (150nw)	JC93-01564B(*)	1
0	Paper path assembly (178nw,179fnw,178nwg,179fwg)	JC93-01564C(*)	1
1	Paper size sensor PCA (150a)	JC98-05690A(*)	1
1	Paper size sensor PCA (150nw)	JC98-05683A(*)	1
1	Paper size sensor PCA (178nw,179fnw,178nwg,179fwg)	JC98-05689A(*)	1
2	Empty sensor PCA	JC98-01960A(*)	1
3	Friction pad assembly	JC93-00555A(*)	1
3-1	Pad holder	JC61-05789A	1

Table 2-12 Paper path assembly (continued)

Ref	Description	Part Number(*)	Qty
3-2	Pad sheet	JC63-01745A	1
3-3	Holder damper	JC66-03885A	1
3-4	Friction pad rubber	JC67-00605A	1
4	Pickup assembly	JC93-00553A(*)	1
4-1	Pickup stopper	JC61-01714A	1
4-2	Pickup housing B	JC61-02389A	1
4-3	Pickup housing A	JC61-05815A	1
4-4	Pickup joint shaft	JC66-03318A	1
4-5	CTD Cam	JC66-03786A	1
4-6	Pickup idel slider bush	JC66-03895A	1
4-7	Pickup roller rubber	JC73-00309A(*)	1
5	Pickup drive gear assembly	JC93-00549A(*)	1
5-1	Spring, CS	6107-001167	1
5-2	Pickup gear A	JC66-03319A	1
5-3	Pickup gear B	JC66-03320A	1
6	Screw	6003-000152	1
7	Screw	6003-000282	4
8	Washer	6031-001255	1
9	E ring	6044-000125	2
10	Spring, TS	6107-001164(*)	2/3
11	Spring, CS	6107-001309	2
12	Spring, CS	6107-002739	1
13	Spring, TS	6107-003082(*)	1
14	Solenoid	JC33-00025B	1
15	Cover switch harness	JC39-01704A(*)	1
16	Clutch	JC47-00033D(*)	1
17	Cam holder	JC61-01548A(*)	1
18	Bush	JC61-02372A	2
19	Shaft idle holder	JC61-05049A	2
20	Feed ground plate	JC61-05374A	1
21	Path lower guide	JC61-05648A	1
22	Left pickup shaft holder	JC61-05651A	1
23	Pickup guide	JC61-08572A	1

Table 2-12 Paper path assembly (continued)

Ref	Description	Part Number(*)	Qty
24	Spring, ETC-TR(12)	JC61-70940A	1
25	Registration sheet	JC63-05254A	4
26	Catch cam	JC66-00050A	1
27	Registration roller	JC66-03317A	1
28	Feed actuator	JC66-03321A(*)	1
29	Registration gear	JC66-03813A	1
30	Paper handling reduction gear	JC66-03824A	1
31	Pickup reduction gear	JC66-03825A	1
32	Registration reduction gear	JC66-03826A	1
33	Feed shaft	JC66-04912A	1
34	Empty&Size actuator	JC66-05382A(*)	2/3

(*) This is in system.

Transfer roller assembly

Figure 2-14 Transfer roller assembly

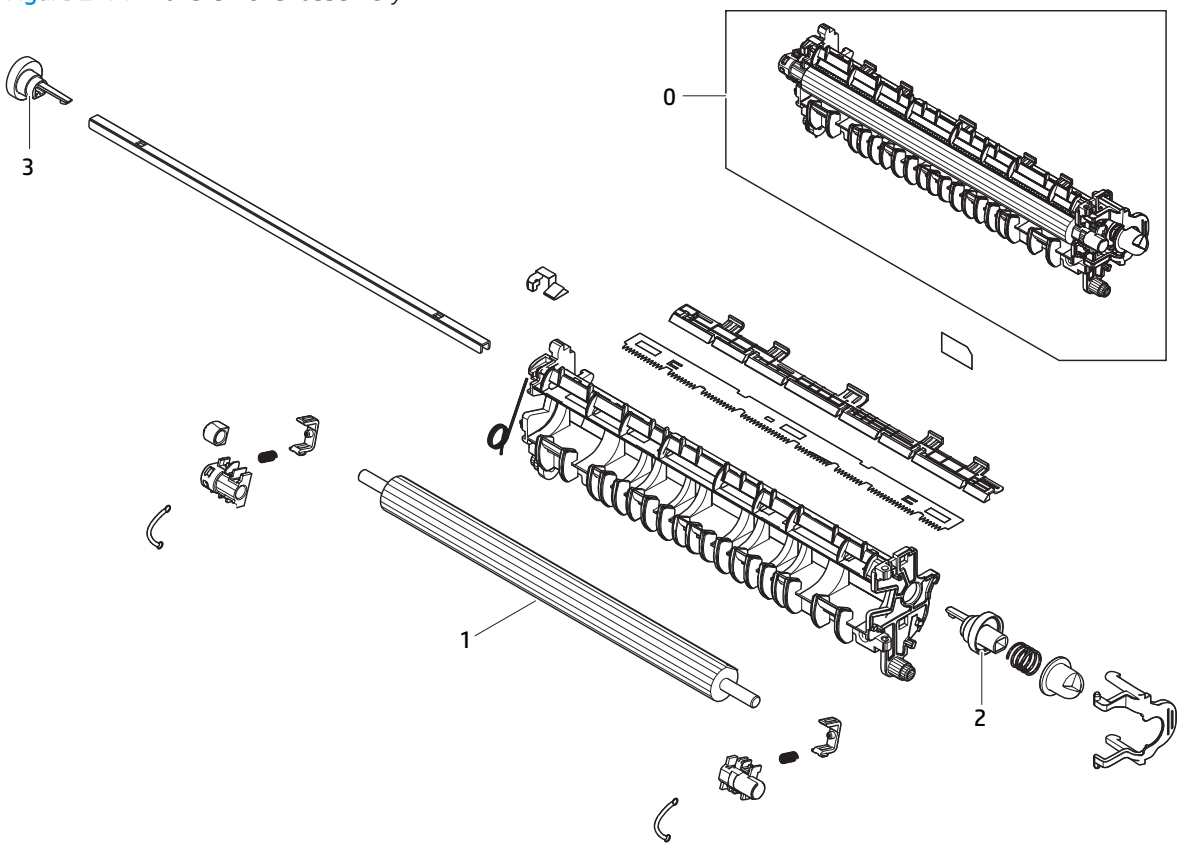


Table 2-13 Transfer roller assembly

Ref	Description	Part Number(*)	Qty
0	Transfer roller assembly	JC93-00708A(*)	1
1	Transfer roller	JC66-03353A	1
2	Transfer roller right cam	JC66-03789A	1
3	Transfer roller left cam	JC66-03788A	1

(*) This is in system.

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Numerical parts list

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