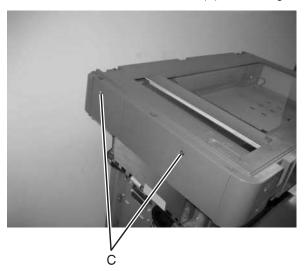
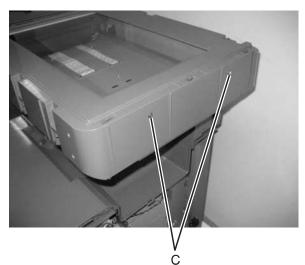
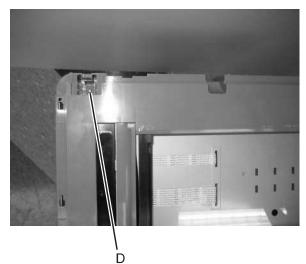
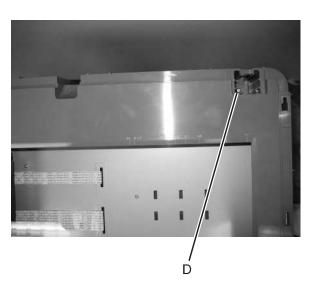
6. Remove the four screws (C) from the right and left sides.





7. Remove the two screws (D) from the top.

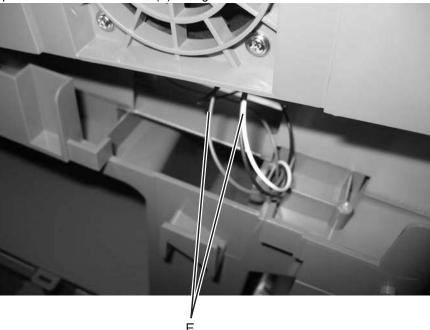








8. Lift up and extract the two cables (E) through the frame.



9. Remove the flatbed with glass cover.

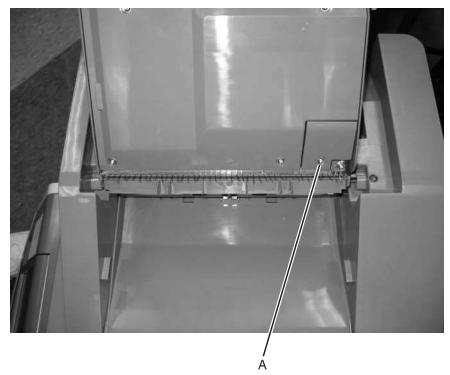




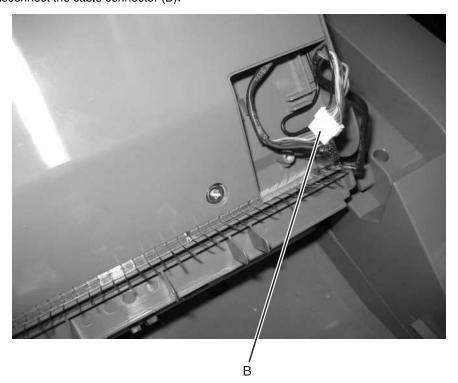


Input tray removal

- 1. Lift the input tray.
- 2. Remove the screw (A) securing the cable cover.



3. Disconnect the cable connector (B).

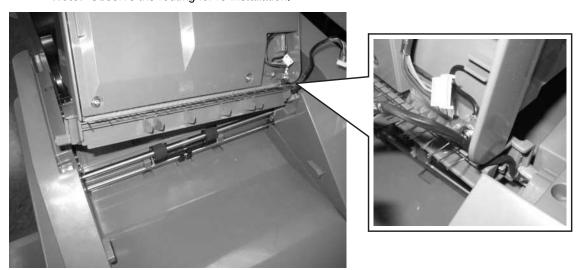


4. Lift the left front side, and ease the rear right edge out.





5. Disengage the cable from the channel, and remove the tray. Note: Observe the routing for re-installation.



Previous





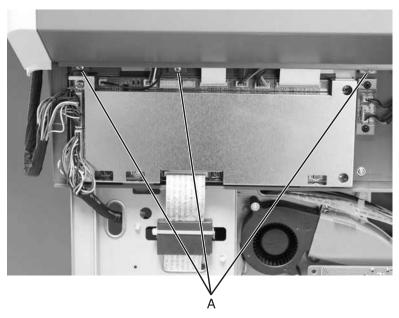
Scanner front cover removal

- **1.** Open the ADF.
- **2.** Grasp the front cover and the top right, and pull to remove the scanner front cover.



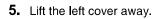
Scanner left cover removal

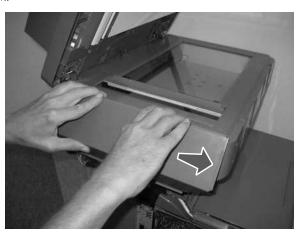
- 1. Remove the scanner front cover. See "Scanner front cover removal" on page 4-223.
- 2. Remove the left cover. See "Left cover removal" on page 4-24.
- **3.** Remove the three screws (A).



4. Pull the bottom out, and slide it toward the front.





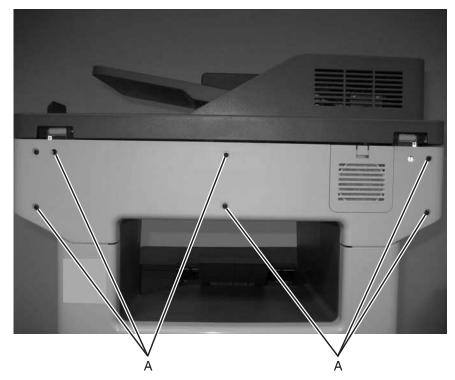






Scanner rear cover removal

1. Remove the six screws (A).



2. Remove the scanner rear cover.

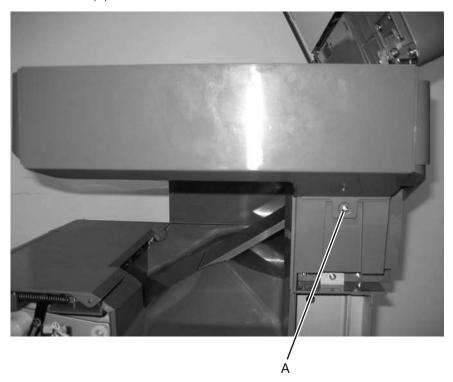
Note: Make sure the flatbed filter does not get lost.





Scanner right cover removal

- 1. Remove the scanner front cover. See "Scanner front cover removal" on page 4-223.
- 2. Remove the right cover. See "Right cover removal" on page 4-38.
- **3.** Remove the screw (A).



4. Slide the cover toward the front of the multifunction printer.







5. Grasp the cover on the lower right, and pull up.

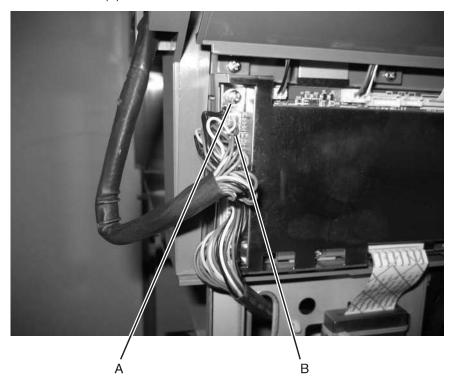






ADF removal (entire)

- 1. Remove the left cover. See "Left cover removal" on page 4-24.
- 2. Remove the ground screw (A) secured to the MDC card.
- **3.** Disconnect the cable (B).

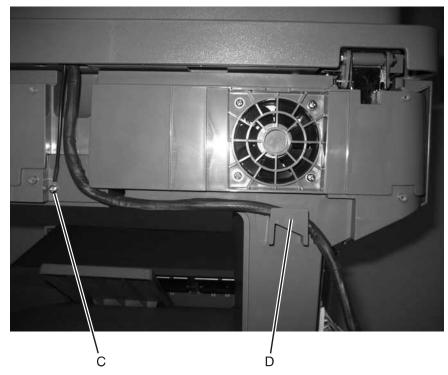


4. Remove the scanner rear cover. See "Scanner rear cover removal" on page 4-225





- **5.** Remove the screw (C) that secures the ground cable.
- **6.** Remove the cable from the cable restraint (D).



7. Lift the ADF until it has resistance, press the release tabs (D), and complete removing the ADF. Note: It may be easier to release the tab closest to the left side first.







Installation note: Make sure to attach the ground cable to the screw (see step 5 from previous page).

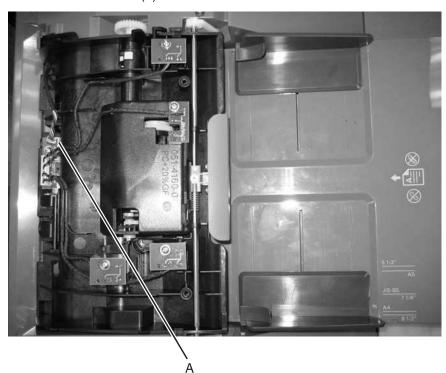
Warning: Whenever you replace the ADF (entire), the flatbed scanner, or the MDC card, perform the "Scanner Manual Registration" in Configuration menu.

To enter Config Menu:

- **1.** Turn off the multifunction printer.
- 2. Press and hold buttons 2 and 6.
- **3.** Turn on the MFP.
- **4.** Release the buttons when the progress bar displays.

ADF case assembly removal

- 1. Remove the ADF front cover. See "ADF front cover removal" on page 4-208.
- 2. Disconnect the sensor cable (A).

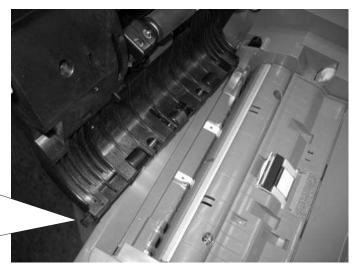






3. Rotate the ADF case assembly until the flattened shaft ends come out of the opening.





4. Remove the sensor cable from the narrow retainer by untwisting the cable wires and easing them out individually.



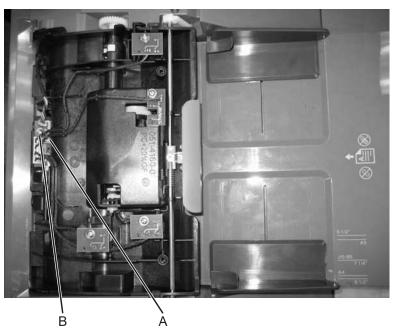
5. Remove the ADF case assembly.





ADF skew sensor card removal

- 1. Remove the ADF front cover. See "ADF front cover removal" on page 4-208.
- 2. Disconnect all cables, and remove the screw (B) from the skew sensor card (A).



3. Remove the skew sensor card.

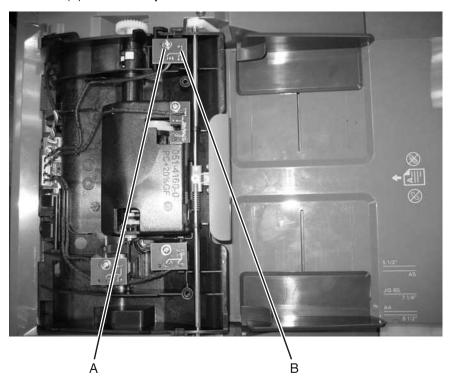






ADF closed cover flag removal

- 1. Remove the ADF front cover. See "ADF front cover removal" on page 4-208.
- 2. Remove the screw (A).
- **3.** Lift the sensor (B) out of the way.



4. Remove the closed cover flag (C).

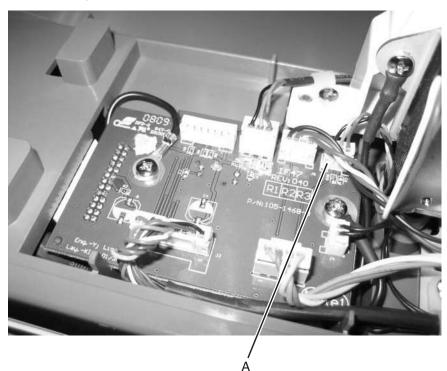




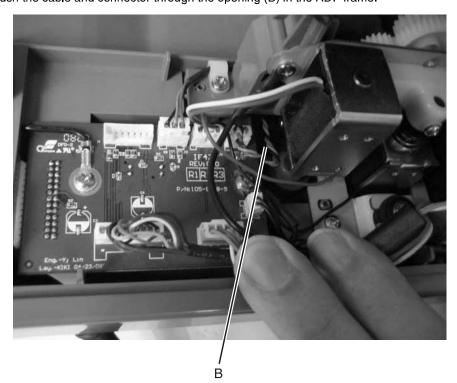


ADF exit sensor (with cable) removal

- 1. Remove the ADF motor side cover. See "ADF motor side cover removal" on page 4-212.
- 2. Disconnect the output sensor cable.



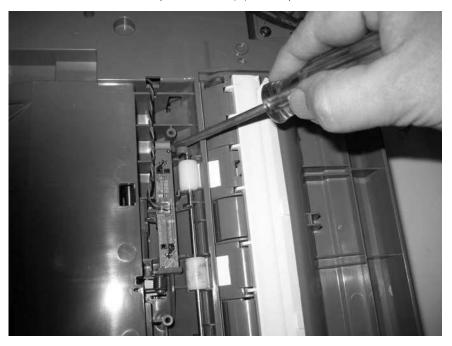
3. Push the cable and connector through the opening (B) in the ADF frame.







- 4. Remove the ADF pressure plate cover. See "ADF pressure plate cover removal" on page 4-244
- **5.** Use a flat-blade screwdriver to open the latch (C) the output sensor card.

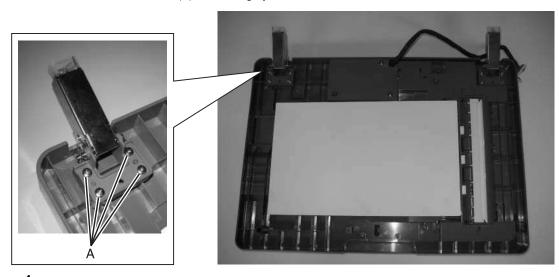


6. Remove the ADF exit sensor and cable.

ADF hinge (left and right) removal

The hinges are removed in a similar manner. Only one hinge is shown in this removal.

- 1. Remove the ADF. See "ADF removal (entire)" on page 4-228.
- **2.** Turn the ADF over.
- **3.** Remove the four screws (A) of the hinge you want to remove.



4. Remove the hinge.





Installation notes:

Note: The hinges are different. The heavy weight hinge has a blue dot on the side and should be installed on the side indicated below.

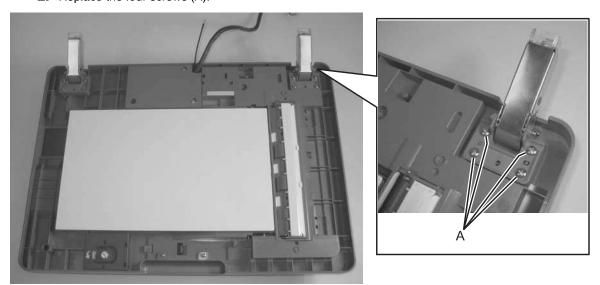




Previous



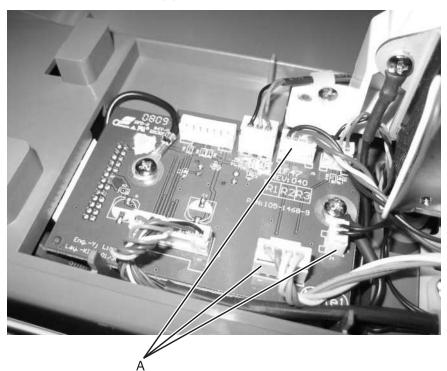
- 1. Install the heavy weight hinge with the blue dot in the position indicated below.
- 2. Replace the four screws (A).



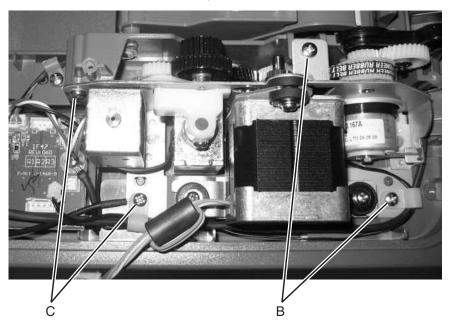
3. Install the lighter weight hinge on the other side, and replace the four screws.

ADF motor gear train removal

- 1. Remove the ADF motor side cover. See "ADF motor side cover removal" on page 4-212.
- 2. Disconnect the three connectors (A).



3. Remove the two screws (B), and the two ground screw (C).



4. Remove the ADF motor gear train.

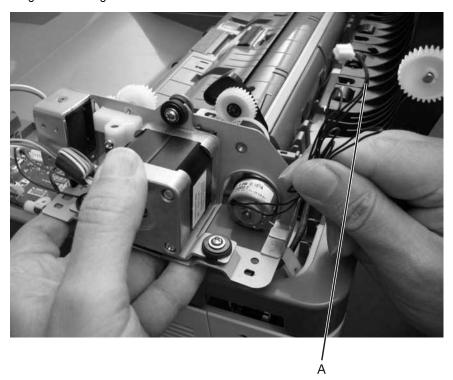
Note: Be sure to note the routing of the clutch motor cable.



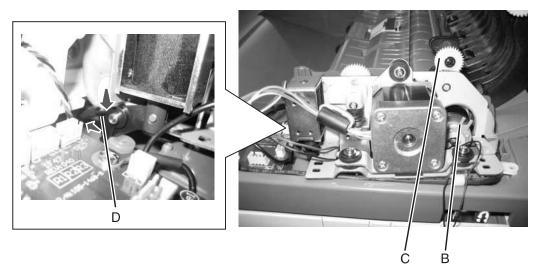


Installation notes:

1. Place the ADF motor gear train assembly over the clutch motor, and make sure the clutch motor cable (A) is through the housing.



- 2. Make sure the fork of the clutch assembly (B) is up, and the gear (C) is up.
- 3. Slide the left side of the ADF motor gear train assembly into place, and then press down on the lever (D) with your finger to make sure the arm of the motor gear assembly slides in below the ledge.

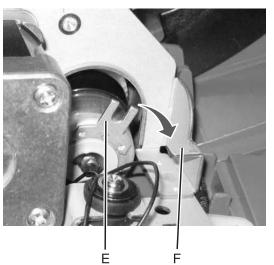


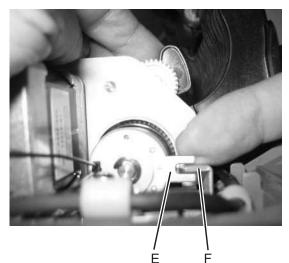




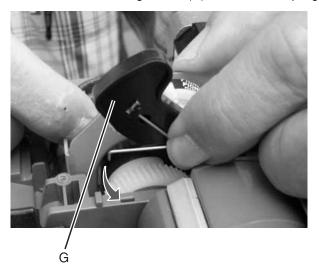


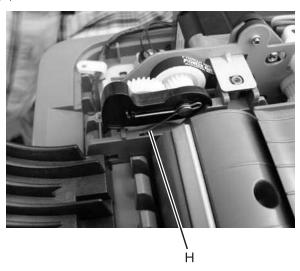
4. Slide the right side of the ADF motor gear train assembly into place, making sure that the fork (E) engages the plate (F).





5. Rotate the gear arm (G) down until the spring (H) latches into the frame.



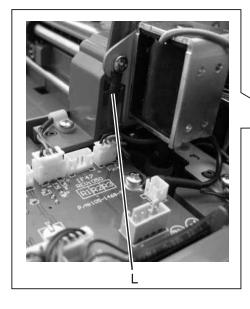


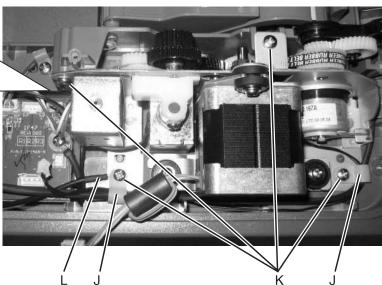






- **6.** Route the clutch assembly cable through the cable retainers (J).
- 7. Replace the four screws (K), making sure that the ground cable (L) is attached to the indicated screw.





- 8. Reconnect the cables.
- **9.** Replace the covers and ADF input tray.

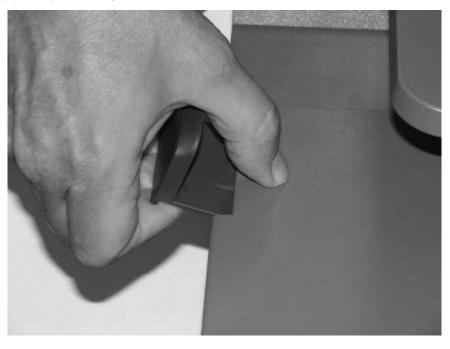






ADF paper stop removal

Pull the paper stop all the way out, and slide out.

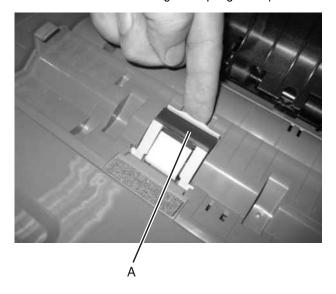


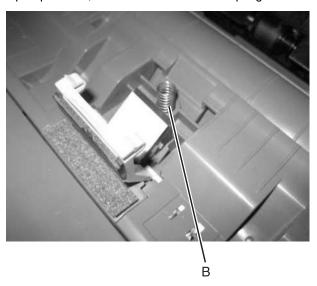
Previous

ADF pick pad removal

- **1.** Open the ADF cover.
- 2. Lift the pick pad (A), and remove the pad.

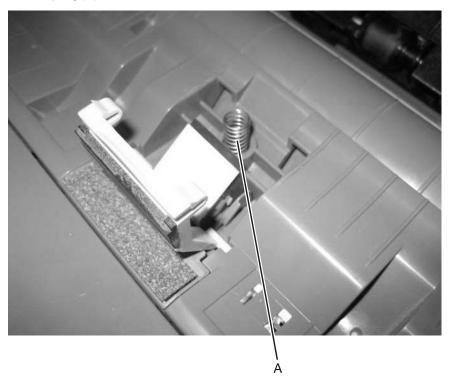
Note: Although the spring is not part of the ADF pick pad FRU, be careful not to lose the spring.





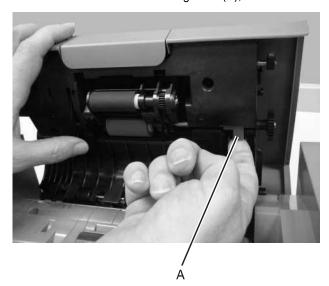
ADF pick pad spring removal

- 1. Remove the ADF pick pad. See "ADF pick pad removal" on page 4-241.
- 2. Lift out the spring (A).



ADF pick roller assembly removal

- 1. Open the ADF.
- 2. Rotate the locking lever (A), and remove the ADF pick roller assembly.



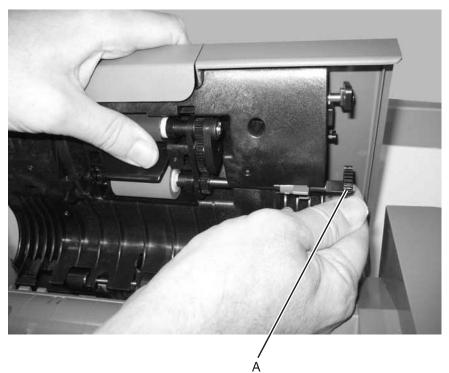




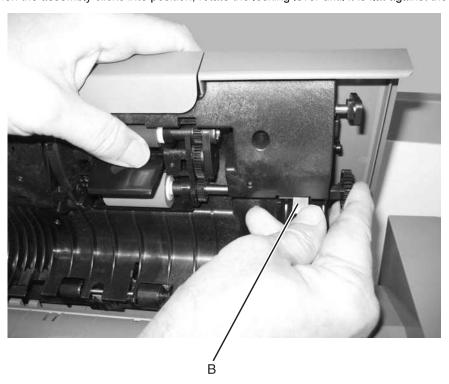


Installation notes:

- 1. Install the left side of the ADF pick roller assembly first.
- 2. Push the assembly flat into the ADF, while turning the gear on the right (A).



3. When the assembly *clicks* into position, rotate the locking lever until it is flat against the ADF.





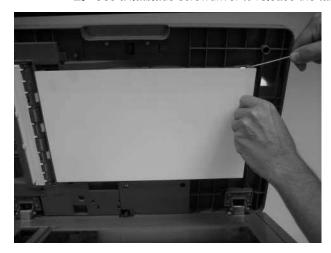


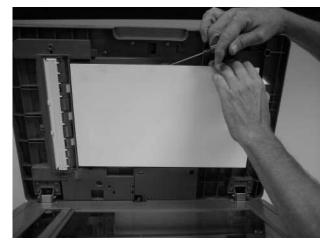
4. Verify that the installation was correct by pressing the ADF pick roller into the ADF door, then pulling the door down until the ADF pick roller assembly smoothly falls forward, without falling out.



ADF pressure plate cover removal

- 1. Open the ADF.
- 2. Use a flatblade screwdriver to release the tabs.

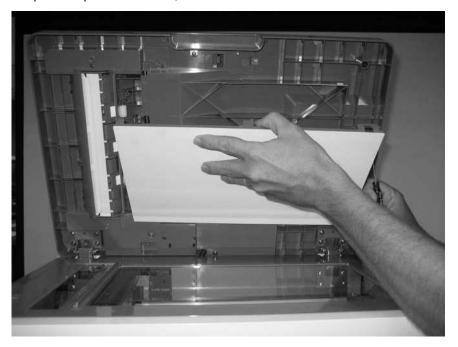








3. Pull the pressure plate cover down, and remove it.



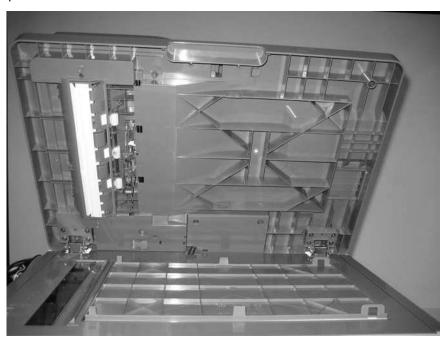


Previous



Installation note:

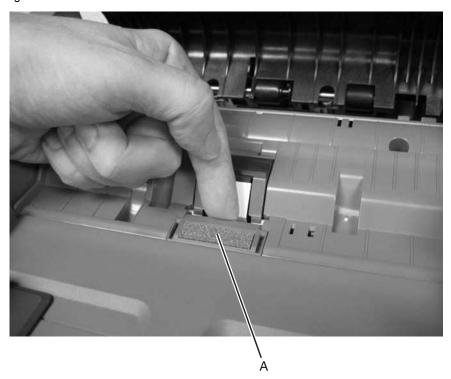
Set the pressure plate face down over the glass of the flatbed, and close the ADF. The ADF pressure pad will snap into place as the ADF is lowered.



ADF separator pad removal

- 1. Open the ADF cover.
- 2. Lift the ADF separator pad (A), and remove the pad.

Note: Cover the separator pad with your other hand to prevent the pad from flying away and getting lost or hitting someone.



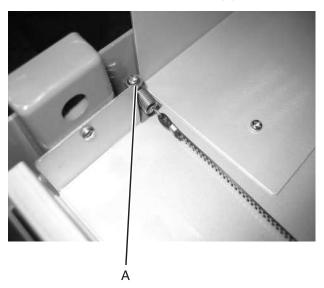






Carriage transport belt with clip removal

- 1. Remove the flatbed CCD carrier module. See "Flatbed CCD carrier module removal" on page 4-250.
- 2. Remove the two screws (A) on either end of the carriage transport belt.





3. Remove the cable from the posts.

Installation notes:

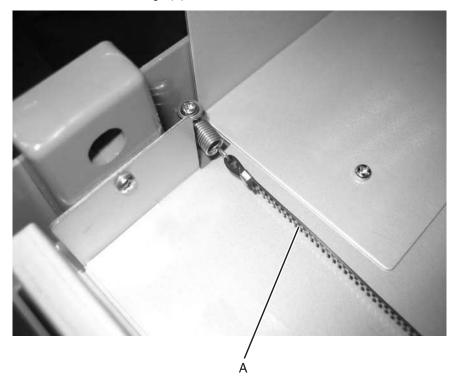
Be sure to route the carriage transport belt correctly.







• Be sure to face the toothed edge (A) on the cable as shown.



ESD brush removal

- 1. Remove the ADF upper case cover. See "ADF upper case cover removal" on page 4-215.
- **2.** Gently pry the brush off the two posts with a flat-bladed screwdriver. Note: One post firmly holds the brush, and the other post is a alignment guide.



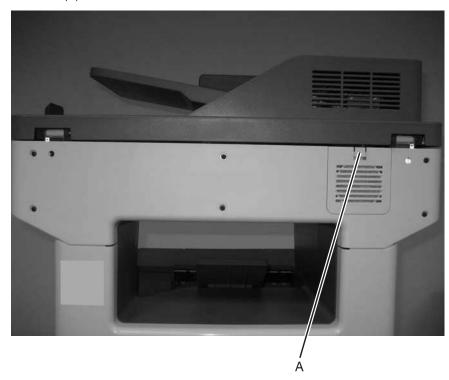
Installation note: Be sure to *snap* the post securely in position.





Flatbed air filter removal

1. Press the tab (A) and remove the filter door cover.



2. Remove the filter.



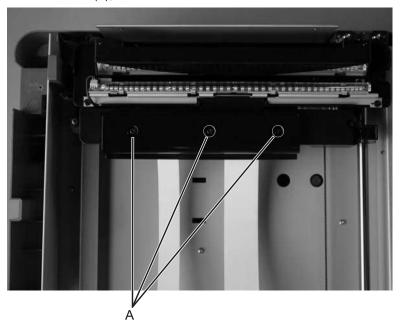






Flatbed CCD carrier module removal

- 1. Remove the flatbed with glass cover. See "Flatbed with glass cover removal" on page 4-219.
- 2. Remove the two screws (A), and remove the cover.



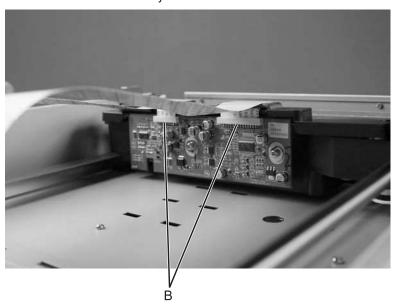




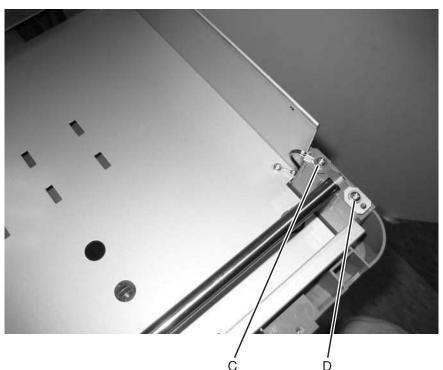


3. Disconnect the two CCD cables (B).

Warning: Be careful disconnecting and reconnecting the ribbon cables. Ribbon cables can be damaged easily and should be handled carefully.



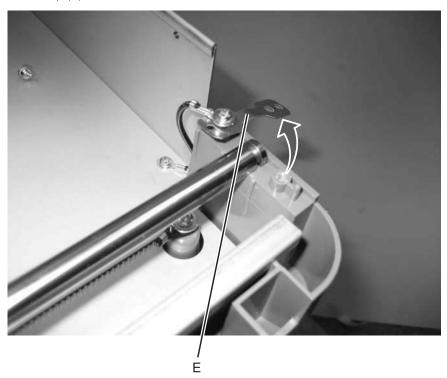
4. Loosen the ground screw (C), and remove the screw (D).







5. Rotate the clip (E).



6. Lift rod and slide the flatbed CCD carrier module off the rod.







Installation note:

Be sure to route the carriage transport belt correctly.

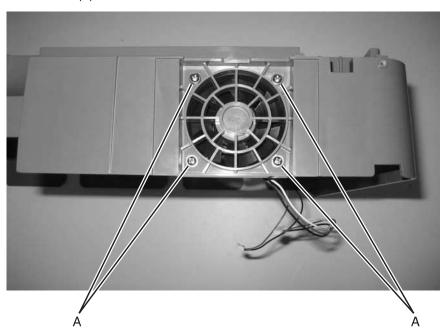






Flatbed cooling fan removal

- 1. Remove the flatbed with glass cover. See "Flatbed with glass cover removal" on page 4-219.
- 2. Remove the four (A) screws.



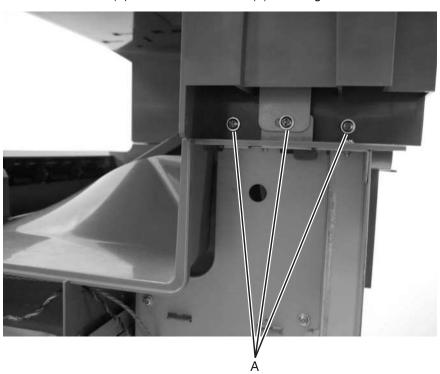
3. Remove the fan.





Flatbed scanner removal

- 1. Remove the ADF. See "ADF removal (entire)" on page 4-228.
- 2. Remove the right cover. See "Right cover removal" on page 4-38.
- 3. Remove the two screws (A) and the smaller screw (B) on the right side.

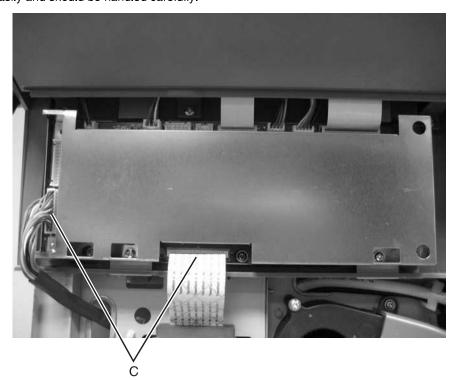




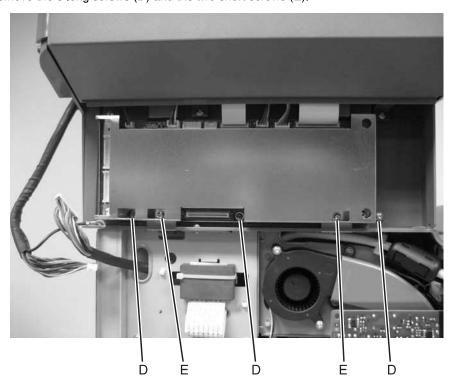




4. Disconnect the two cables (C) at the connectors on the MDC card (ribbon cable). Note: Be careful disconnecting and reconnecting the ribbon cables. Ribbon cables can be damaged easily and should be handled carefully.



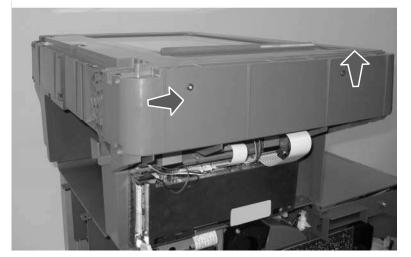
5. Remove the 3 long screws (D) and the two short screws (E).







6. Slide the flatbed scanner forward, and lift it up to remove it.



Previous





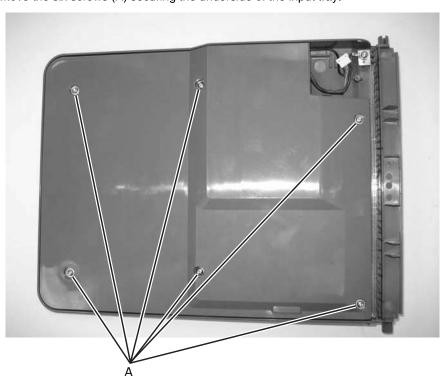
Warning: Whenever you replace the ADF (entire), the flatbed scanner, or the MDC card, perform the "Scanner Manual Registration" in Configuration menu.

To enter Config Menu:

- **1.** Turn off the multifunction printer.
- 2. Press and hold buttons 2 and 6.
- 3. Turn on the MFP.
- **4.** Release the buttons when the progress bar displays.

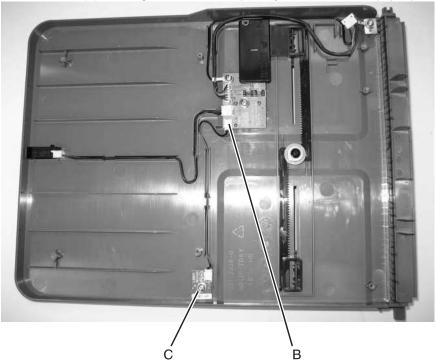
Paper present LED card removal

- 1. Remove the input tray. See "Input tray removal" on page 4-222.
- 2. Remove the six screws (A) securing the underside of the input tray.



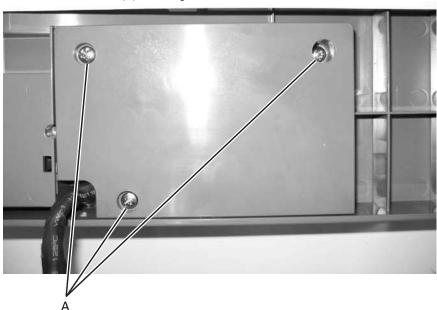
3. Disconnect the cable at the connector (B). Note: Observe the routing of the cable for re-installation.

4. Remove the screw (C) securing the LED to the input tray, and removal the paper present LED card.



Scanner ICC card removal

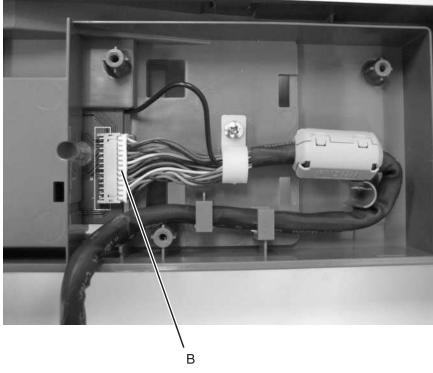
- 1. Remove the ADF. See "ADF removal (entire)"
- 2. Turn the ADF over. Be sure to brace the ADF to prevent damage.
- **3.** Remove the three screws (A) securing the MDC cable cover, and remove the cover.



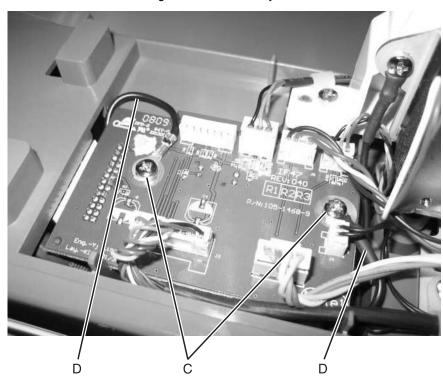




4. Disconnect the ICC cable (B) from the scanner ICC card.



- 5. Turn the ADF over.
- **6.** Remove the ADF motor side cover. See "ADF motor side cover removal" on page 4-212.
- 7. Disconnect all the cables.
- $oldsymbol{8}_{oldsymbol{\circ}}$ Remove the two screws (C), and the ground cables from the screws (D). Note: Be sure to reconnect the ground cables when you reinstall the card.



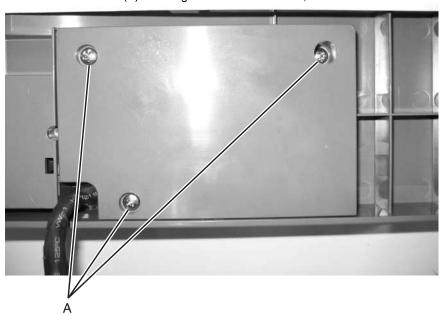




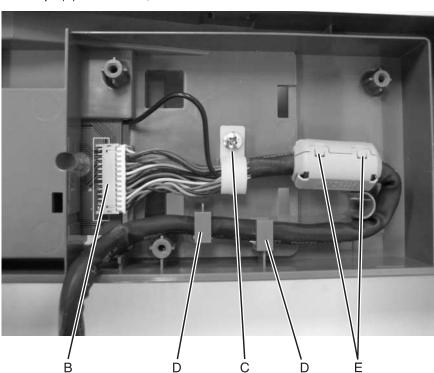
9. Remove the card.

Scanner ICC cable removal

- 1. Remove the ADF. See "ADF removal (entire)"
- 2. Turn the ADF over. Be sure to brace the ADF to prevent damage.
- **3.** Remove the three screws (A) securing the MDC cable cover, and remove the cover.



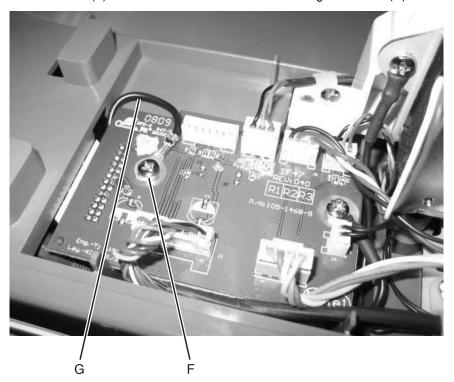
- 4. Disconnect the ICC cable (B) from the scanner ICC card.
- 5. Remove the screw (C) securing the cable tie-down, and remove the cable from the tie-down.
- **6.** Remove the cable from the cable restraints (D), and note the routing.
- 7. Open the clips (E) on the toroid, and set it aside for reinstallation later.







- 8. Turn the ADF over.
- 9. Remove the ADF motor side cover. See "ADF motor side cover removal" on page 4-212.
- 10. Remove the screw (F) and disconnect the scanner ICC cable ground cable (G).



11. Remove the scanner ICC cable.

Scanner MDC card removal

Warning: This part might contain customer confidential information. See "Data Security Notice" on page 4-1 for more details. After removing this part, return it to your next level of support so any data can be removed. If the customer requests to keep the part, they must sign a confirmation of memory device retention form.

Warning: When replacing any one of the following components:

- Scanner MDC card
- System board

Only replace one component at a time. Replace the required component, and perform a POR before replacing a second component listed above. If this procedure is not followed, the printer will be rendered inoperable.

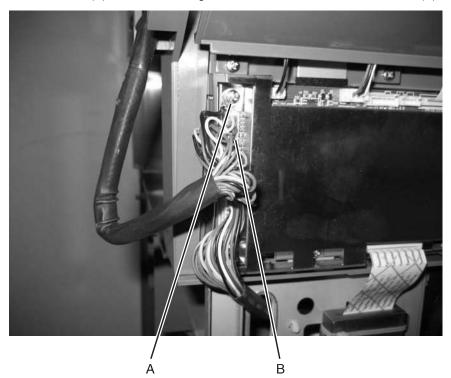
- 1. Remove the rear cover. See "Rear cover removal" on page 4-36.
- 2. Remove the left cover. See "Left cover removal" on page 4-24.







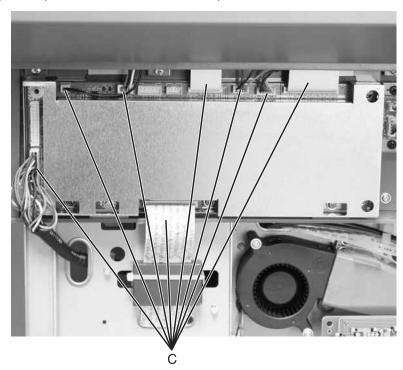
3. Remove the screw (A) that secures the ground cable, and remove the ADF cable (B).



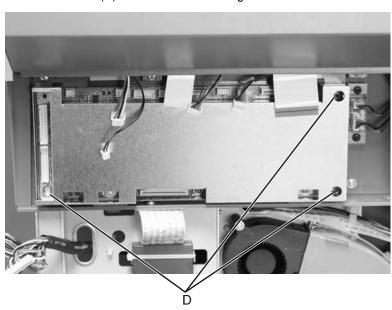




4. Disconnect the eight cables (C) from the MDC card Warning: Be careful when disconnecting and reconnecting the ribbon cables. Ribbon cables can be damaged easily and should be handled carefully.



5. Remove the three screws (D) from the MDC card cage.

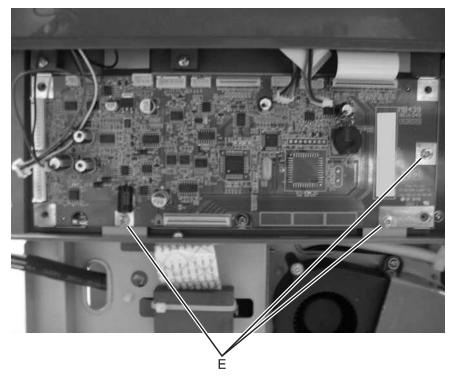


6. Remove the MDC card cage.





7. Remove the three screws (E) securing the MDC card, and remove the MDC card.



Warning: Whenever you replace the ADF (entire), the flatbed (entire), or the MDC card, perform the "Scanner Manual Registration" in Configuration menu.

To enter Config Menu:

- **1.** Turn off the multifunction printer.
- 2. Press and hold buttons 2 and 6.
- **3.** Turn on the MFP.
- **4.** Release the buttons when the progress bar displays.



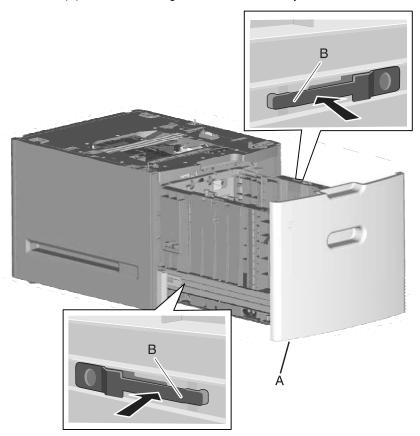


High-capacity input tray (HCIT) option removals

HCIT media tray assembly removal

Note: When removing the high-capacity input tray (HCIT) media tray assembly, it is not necessary to remove it from the base machine and the caster base.

- 1. Open the HCIT media tray assembly (A) until it reaches a stop.
- 2. Press the latches (B) on the left and right side of the HCIT tray slides.



3. Slide the HCIT media tray assembly out of the drawer.

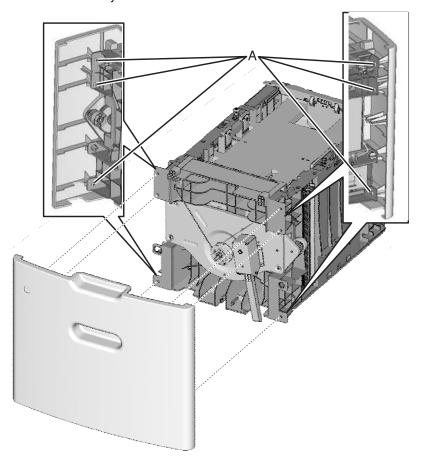




HCIT front tray cover removal

Note: When removing the high-capacity input tray (HCIT) front tray cover, it is not necessary to remove the HCIT media tray assembly from the base machine and the caster base.

- 1. Remove the HCIT media tray assembly. See "HCIT media tray assembly removal" on page 4-265.
- 2. Remove the six screws (A) securing the HCIT front tray cover to the media tray assembly.
- **3.** Remove the HCIT front tray cover.

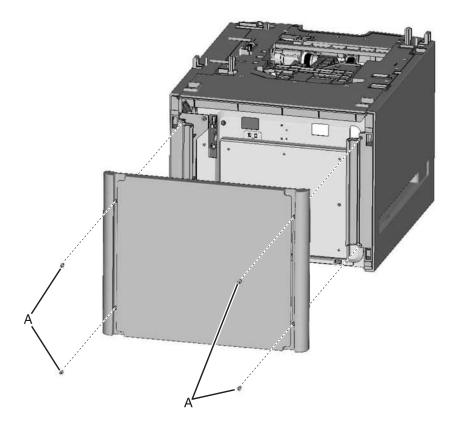






HCIT rear cover removal

- 1. Remove the four screws (A) securing the HCIT rear cover to the drawer.
- 2. Remove the HCIT rear cover.

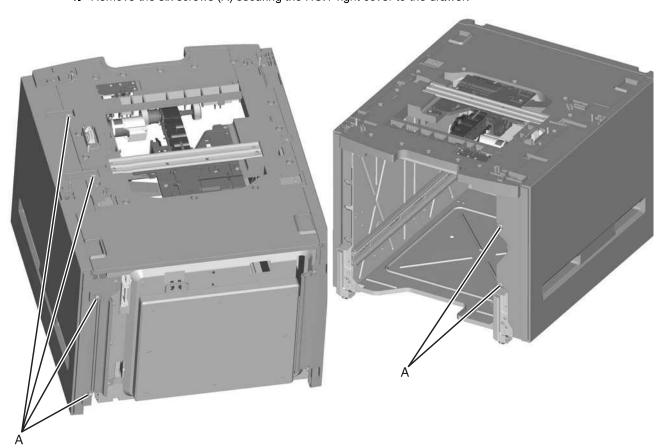




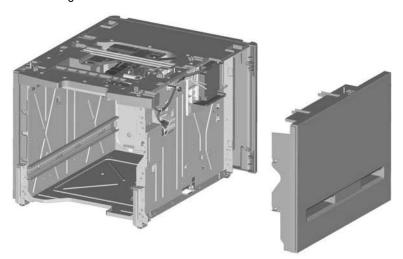


HCIT right cover removal

- 1. Carefully remove the printer or multifunction printer from the high-capacity input tray (HCIT) and remove the HCIT from the caster base.
- 2. Remove the HCIT media tray assembly. See "HCIT media tray assembly removal" on page 4-265.
- 3. Remove the HCIT rear cover. See "HCIT rear cover removal" on page 4-267.
- **4.** Remove the six screws (A) securing the HCIT right cover to the drawer.



5. Remove the HCIT right cover.







HCIT left cover removal

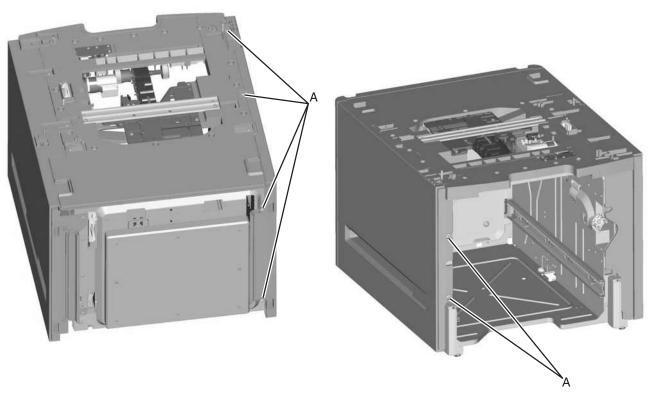
- 1. Carefully remove the printer or multifunction printer from the high-capacity input tray (HCIT) and remove the HCIT from the caster base.
- 2. Remove the HCIT media tray assembly. See "HCIT media tray assembly removal" on page 4-265.
- 3. Remove the HCIT rear cover. See "HCIT rear cover removal" on page 4-267.
- **4.** Remove the six screws (A) securing the HCIT left cover to the drawer.



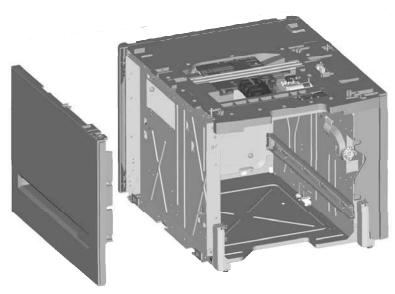






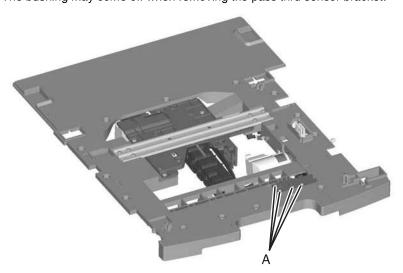


5. Remove the HCIT left cover.

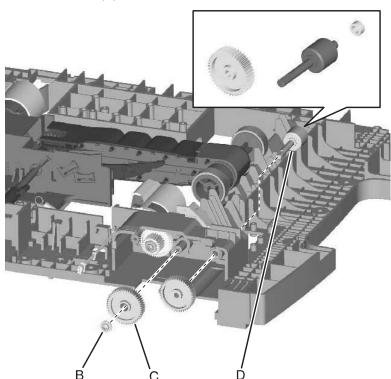


Feed with bushing roller removal

- 1. Remove the high-capacity input tray (HCIT) top plate assembly. See "Top plate assembly removal" on page 4-279.
- 2. Remove the four screws (A) securing the pass thru sensor bracket to the top plate assembly. Note: The bushing may come off when removing the pass thru sensor bracket.



- 3. Remove the screw (B) securing the 46T gear (C) to the top plate assembly.
- **4.** Remove the 46T gear.
- **5.** Snap loose the feed roller (D), and remove.



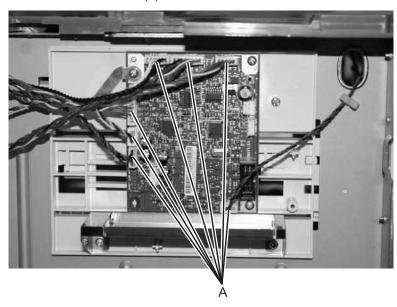




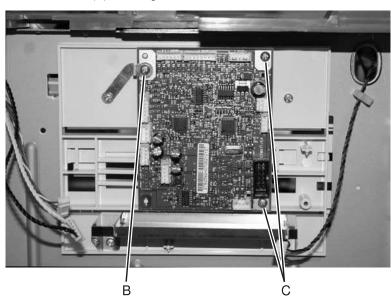


HCIT controller board assembly removal

- 1. Remove the HCIT right cover. See "HCIT right cover removal" on page 4-268.
- **2.** Disconnect the seven connectors (A) from the HCIT controller board.



- **3.** Remove the ground screw (B) from the HCIT controller board.
- **4.** Remove the two screws (C) securing the HCIT controller board to the card mount option.



5. Remove the HCIT controller board.

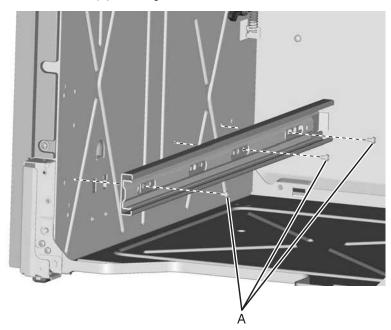




HCIT drawer slide assembly removal

The left and right drawer slide assemblies are the same, and only one is in a package. The instructions below are for removing the left slide, but removing the right slide is similar.

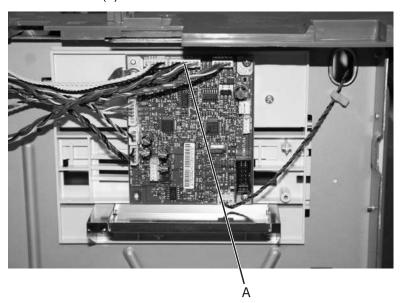
- 1. Remove the HCIT media tray assembly. See "HCIT media tray assembly removal" on page 4-265.
- 2. Remove the three screws (A) securing the HCIT drawer slide to the side frame.



3. Remove the HCIT drawer slide.

HCIT elevator motor with sensor removal

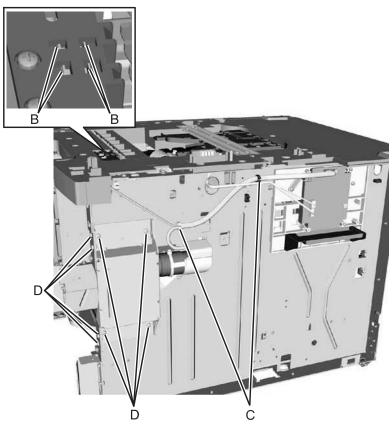
- 1. Remove the HCIT right cover. See "HCIT right cover removal" on page 4-268.
- 2. Disconnect the connector (A) from the HCIT controller board.



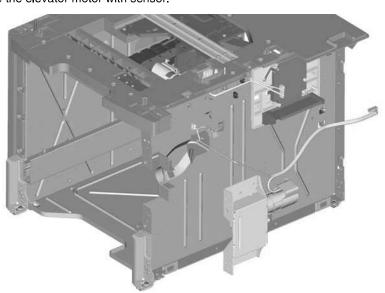




- 3. Release the hooks (B) securing the pass thru sensor to the top plate assembly.
- **4.** Remove the pass thru sensor from the top plate assembly.
- **5.** Release the harness from the clamps (C).
- **6.** Remove the eight screws (D) securing the elevator motor with sensor to the side frame.



7. Remove the elevator motor with sensor.

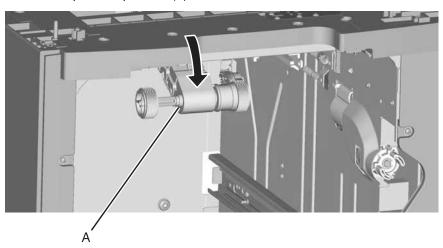






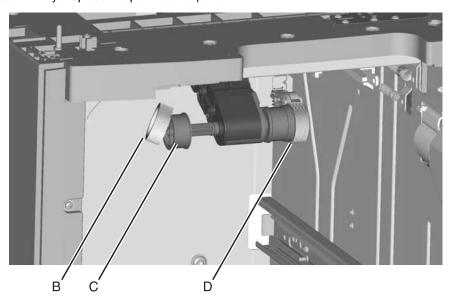
HCIT pick tires removal

- 1. Remove the high-capacity input tray (HCIT) media tray assembly. See "HCIT media tray assembly removal" on page 4-265.
- 2. Pull the autocompensator pick arm (A) down.



- **3.** Remove the pick tire (B) from the pick roll assembly (C).
- 4. Repeat for the other pick tire (D).

Note: Always replace the pick tires as pairs.





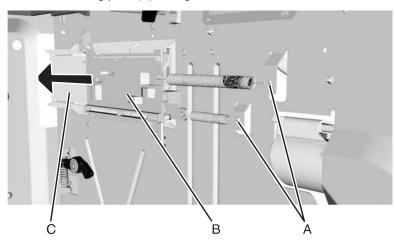


HCIT slide assembly with spring removal

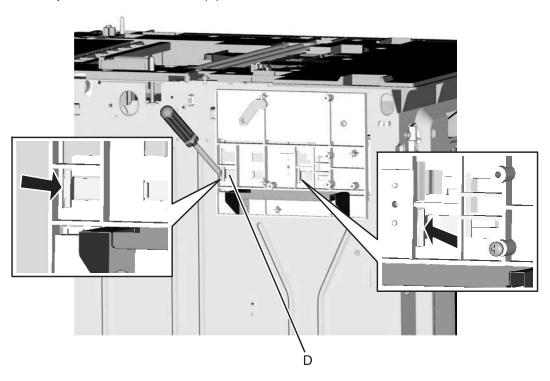
- 1. Remove the HCIT controller board assembly. See "HCIT controller board assembly removal" on page 4-271.
- 2. Disconnect the two springs (A) from the frame.

Note: Leave the springs attached to the cam size sensing plate (B) and the actuator switch.

3. Slide the cam size sensing plate (B) through the access hole in the rear side frame.



- 4. Remove the media size actuator from the card mount option (C).
- 5. Snap loose the actuator switch (D), and remove.

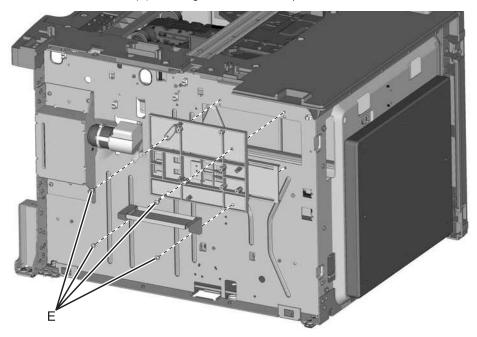








6. Remove the four screws (E) securing the card mount option to the frame.



7. Remove the card mount option.

Installation note:

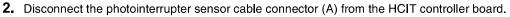
- 1. Place the card mount option into position, and secure it with the four screws.
- 2. Reinstall the media size actuator to the card mount option.
- **3.** Reinstall the actuator switch with spring through the inside of the drawer.
- **4.** Reinstall the cam size sensing plate with spring through the access hole in the rear side.
- **5.** Reattach the two springs to the frame.

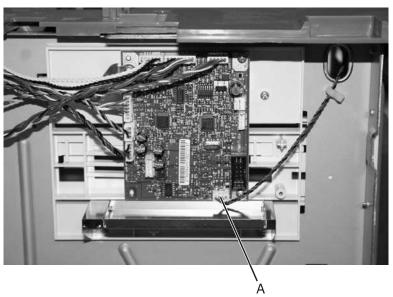




Photointerrupter sensor with cable assembly removal

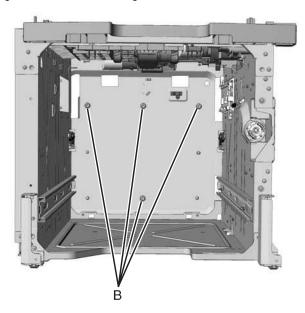
1. Remove the high-capacity input tray (HCIT) right cover. See "HCIT right cover removal" on page 4-268.





3. Turn the drawer rear side down, and use 4.0 mm Allen wrench to remove the four screws (B) securing the counterweight to the rear frame.

Warning: Do not remove the screws without turning the drawer rear side down first. The counterweight is very heavy; it might fall and cause damage.

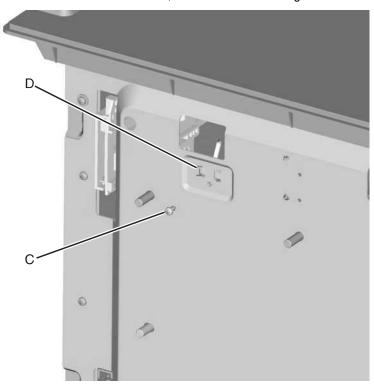








4. Remove the screw (C) securing the sensor to the rear frame, and then release the hooks (D). **Note:** Remove the cable from the restraint, and observe the routing for reinstallation.



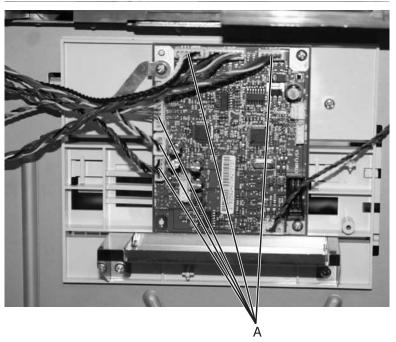
5. Remove the photointerrupter sensor with cable assembly.





Top plate assembly removal

- 1. Remove the high-capacity input tray (HCIT) right cover. See "HCIT right cover removal" on page 4-268.
- 2. Disconnect the five connectors (A) from the HCIT controller board.

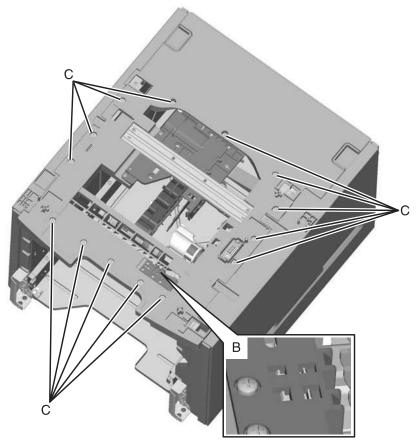




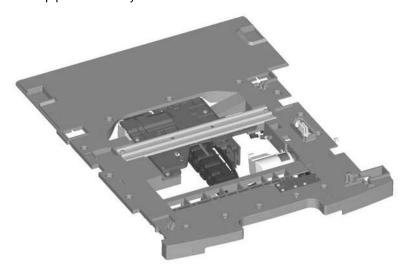




- **3.** Release the hooks (B) securing the pass thru sensor from the top plate assembly.
- **4.** Remove the fourteen screws (C) securing the top plate assembly to the frame.



5. Remove the top plate assembly.





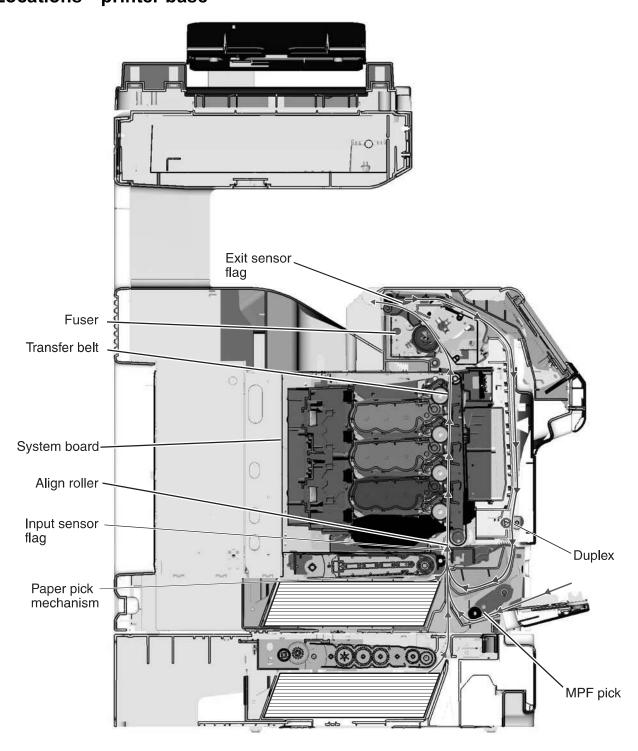


5. Connector locations

Locations—printer base

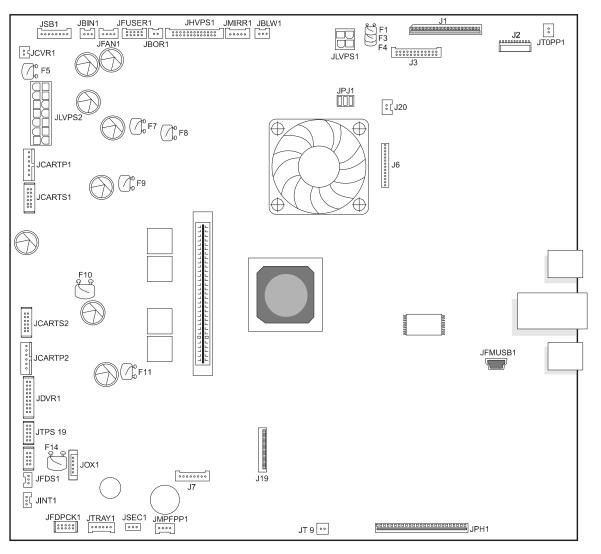






Connectors

System board







System board listing See "System board" on page 5-2.

Connector	Description		
F(#)	Fuse		
J2	Operator panel I/F		
J5	Ethernet connector		
JBIN1	Output bin sensor		
JBLW1	Cartridge blower		
JBOOT1	Daughter card boot connector		
JBOR1	Black only retract connector		
JBUSB1	USB device port		
JCARTP1	Cartridge 1 BLDC motor (upper)		
JCARTS1	Fuser and cartridge 1 connector		
JCARTS2	Cartridge 2 BLDC motor (lower)		
JCVR1	+25V Cover Open Switch Connector		
JDVR1	Daughter card motor driver		
JDX1	Duplex/MFP BDC motor drive		
JFAN1	System Fan		
JFDPCK1	Feed and pick motor connector		
JFDS1	Feed thru sensor connector		
JFMUSB1	USB device port		
JFUSER1	Fuser motor connector		
JHVPS1	High voltage power supply		
JINT1	Interlock switch (5v)		
JLVPS2	Low voltage power supply		
JMIRR	Mirror motor connector		
JMPFPP1	MPF sensor		
JOPT1	Option port connector		
JPH1	Printhead connector		
JSB1	Cartridge SB connector		
JSEC1	Security jumper connector		
JTOPP1	Speaker connector		
JTPS1	Toner patch sensor connector		
JTRAY1	Tray 1 input, NMT sensors		
JUSB1	USB device port		
J20	Fax		
J4	Vortex UART		
J3	MDCS I/F		
J1	Flat bed CCD I/F		





System board listing (continued) See "System board" on page 5-2.

Connector	Description	
JLVPS1	Low voltage power supply	
J6	6 Modem interface	





6. Preventive maintenance

This chapter describes procedures for printer preventive maintenance. Follow these recommendations to help prevent problems and maintain optimum performance.

Previous







Safety inspection guide

The purpose of this inspection guide is to aid you in identifying unsafe conditions.

If any unsafe conditions exist, find out how serious the hazard could be and if you can continue before you correct the hazard.

Check the following items:

- Damaged, missing, or altered parts, especially in the area of the On/Off switch and the power supply
- Damaged, missing, or altered covers, especially in the area of the top cover and the power supply cover
- Possible safety exposure from any non-Lexmark attachments

Lubrication specifications

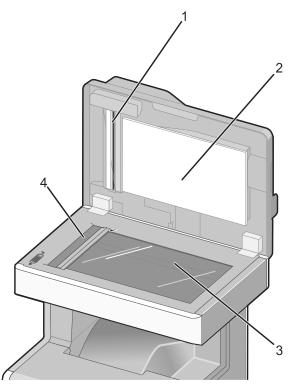
Lubricate only when parts are replaced or as needed, not on a scheduled basis. Use of lubricants other than those specified can cause premature failure. Some unauthorized lubricants may chemically attack polycarbonate parts. Use IBM no. 10 oil, P/N 1280443 (Approved equivalents: Mobil DTE27, Shell Tellus 100, Fuchs Renolin MR30), IBM no. 23 grease (Approved equivalent Shell Darina 1), and grease, P/N 99A0394 to lubricate appropriate areas. Use Nyogel type 774 to lubricate the Fuser Drive Assembly and Nyogel 744 to lubricate the ITU and Cartridge Drive assemblies.

Maintenance

Cleaning the scanner glass

Clean the scanner glass if you encounter print quality problems, such as streaks on copied or scanned images.

- 1. Slightly dampen a soft, lint-free cloth or paper towel with water.
- 2. Open the scanner cover.



1	White underside of the ADF cover
2	White pressure plate cover
3	Scanner glass
4	ADF glass

- **3.** Wipe the areas shown, and let them dry.
- 4. Close the scanner cover.



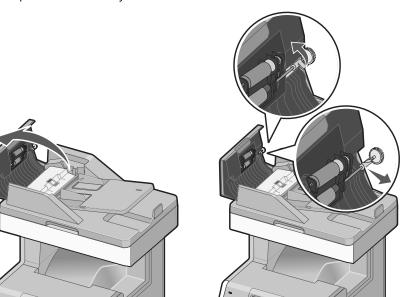




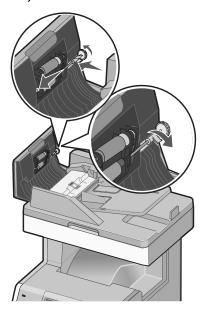
Cleaning the ADF parts

Clean the ADF parts periodically to maintain optimal printing performance. Residue on the ADF parts may cause print quality issues and false 290-293 paper jam messages.

- 1. Turn the printer off.
- 2. Slightly dampen a soft, lint-free cloth with water.
- **3.** Open the ADF cover.
- 4. Remove the pick roller assembly.



- **5.** Wipe the surface of both pick rollers.
- **6.** Replace the pick roller assembly.

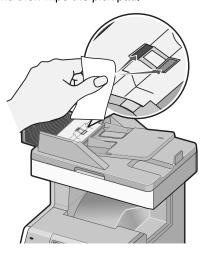








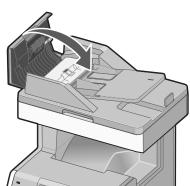
- 7. Wipe the entire surface under the ADF cover, including the two small white rollers.
- 8. Wipe the separator pad, and then wipe the pick pad.



9. Pull the flap up as shown, and then wipe the sensor behind it.



10. Close the flap, and then close the ADF cover.







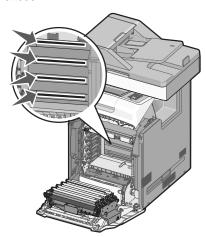
Cleaning the printhead lenses

Clean the printhead lenses when you encounter print quality problems.

- **1.** Turn the printer off, and disconnect the power cord.
- 2. Open the upper front door, and then open the lower front door.

Warning: Potential Damage—To avoid overexposing the photoconductors, do not leave the front doors open for more than 10 minutes.

- **3.** Remove all four toner cartridges. Do not remove the photoconductors for this procedure.
- 4. Locate the four printhead lenses.

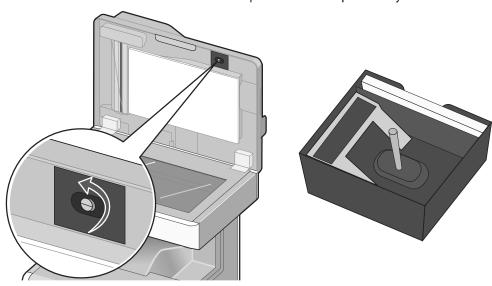


- **5.** Clean the lenses using a can of compressed air. Warning: Potential Damage—Do not touch the printhead lenses.
- **6.** Reinstall the four toner cartridges.
- 7. Close the lower front door, and then close the upper front door.

Spare ADF supplies

The printer comes with a spare separator pad and flatbed air filter, located under the scanner. To access the spare parts, remove the slotted screw.

Note: It is recommended that the ADF area and parts be cleaned periodically.











7. Parts catalog

Previous



How to use this parts catalog

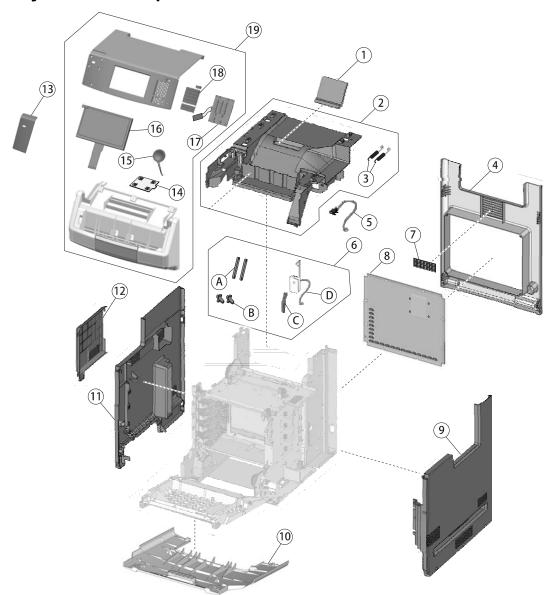
The following legend is used in the parts catalog:

Asm- index	Part number	Units/mach	Units/ FRU	Description
---------------	----------------	------------	---------------	-------------

- Asm-index: Identifies the assembly and the item in the diagram. For example, 3-1 indicates Assembly 3 and item number 1 in the table.
- Part number: Identifies the unique number that identifies this FRU.
- Units/mach: Refers to the number of units actually used in the base machine or product.
- Units/option: Refers to the number of units in a particular option. It does not include the rest of the base
- Units/FRU: Refers to the number of units packaged together and identified by the part number.
- NS: (Not shown) in the Asm-Index column indicates that the part is procurable but is not pictured in the illustration.
- Model information used in the parts catalog:

Abbreviation used	Machine type/model	Model name	Description
576	7526-576	Lexmark X746de	MFP with e-task and duplex
776	7526-776	Lexmark X748de	MFP with e-task, duplex, and hard drive
776 7526-776		Lexmark X748dte	MFP with e-task, duplex, hard drive, and 550 sheet tray

Assembly 1: Covers—printer







Assembly 1: Covers—Printer

40X7662

Index	P/N	Units/ mach	Units/ FRU	Description
1—1	40X5164	1	1	Output bin extension cover
2	40X5175	1	1	Top cover assembly, including top access cover springs
3	40X5276	1	2	Top access cover springs
4	40X5174	1	1	Rear cover
5	40X5121	1	1	Bin full sensor with cable
6	40X5180	1	1	Top access cover parts package, including:
				A—Link (top access cover) (2) B—Link (top cover) (2) C—Top access cover links (slider cam) (1) D—Bin full sensor with cable and flag (1)
7	40X5287	1	1	Cooling fan filter
8	40X8319	1	1	Rear frame cover
9	40X5172	1	1	Right cover
10	40X5184	1	1	Front access door cover assembly
11	40X5173	1	1	Left cover
12	40X5221	1	1	Left door cover
13	40X7960	1	1	Operator panel bezel, X746de
13	40X7961	1	1	Operator panel bezel, X748de
14	40X7967	1	1	LCD bracket assembly
15	40X7703	1	1	Speaker
16	40X7861	1	1	7 inch LCD touch screen
17	40X7955	1	1	UICC and interface card
18	40X7956	1	1	Parts pack (operator panel buttons)

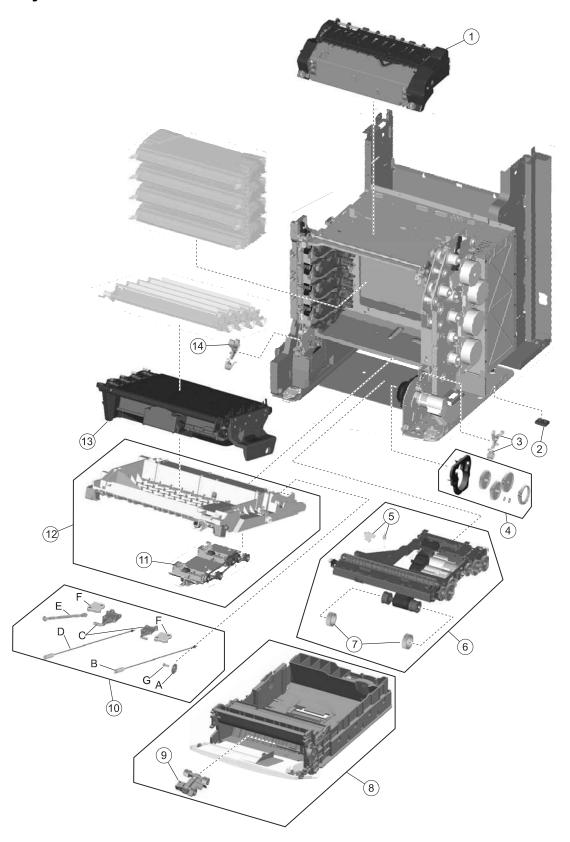
Top access cover assembly







Assembly 2: Front









Assembly 2: Front

40X1447

14

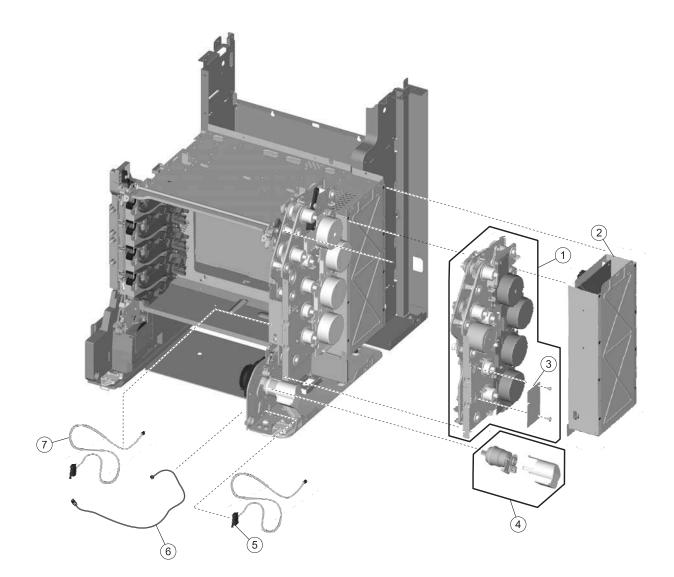
Index	P/N	Units/ mach	Units/ FRU	Description
2—1	40X8110	1	1	Fuser assembly, 115 V
1	40X8111	1	1	Fuser assembly, 230 V
1	40X8112	1	1	Fuser assembly, 100 V
2		6	1	Printer pad, included in screws parts packet (P/N 40X5136)
3	40X1446	1	1	Right bellcrank assembly, with spring
4	40X5132	1	1	Parts packet, MP feeder/duplex drive, including:
				 Retainer release arm Grease packet (Nyogel 744) Washer Duplex engagement gear MP feeder reduction gear MP feeder/duplex reduction gear MP feeder drive cover
5	40X6319	1	1	Cranklift spring and metal clip
6	40X8308	1	1	Paper pick assembly
7	40X5152	2	2	Pick tire
8	40X5999	1	1	Paper tray assembly, 550-sheet
9	40X6496	1	1	MPF pick arm
10	40X5111	1	1	Parts packet, front door, including:
				 A—Front access door cap (1) B—Right cable assembly (1) C—Front access cover pivot (1) D—Left cable assembly (1) E—Front access door straps (2) F—Front access door bracket (1) G—Screw
11	40X5113	1	1	Duplex reference edge assembly
12	40X5995	1	1	Front access door assembly
13	40X8307	1	1	Transfer module

Left bellcrank assembly, with spring





Assembly 3: Right







Assembly 3: Right

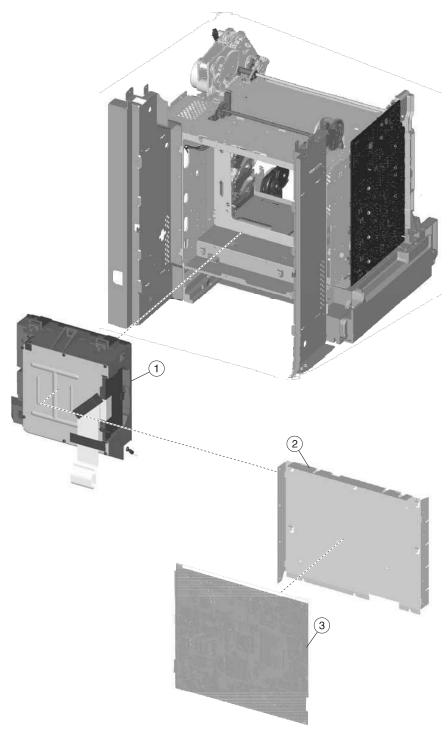
Index	P/N	Units/ mach	Units/ FRU	Description
3–1	40X5290	1	1	EP drive assembly
2	40X7709	1	1	Low-voltage power supply
3	40X5126	1	1	Motor driver card
4	40X8309	1	1	MP feeder/duplex motor
5	40X5128	1	1	24 V interlock switch
6	40X5998	1	1	MPF paper present sensor with cable
7	40X5127	1	1	5 V interlock switch







Assembly 4: Rear







Assembly 4: Rear

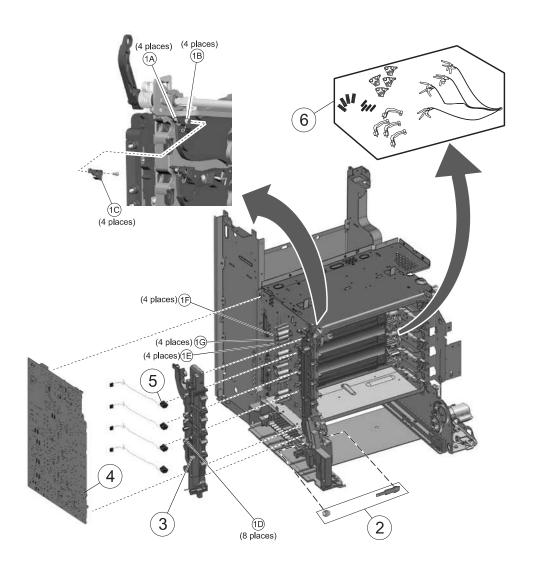
Index	P/N	Units/ mach	Units/ FRU	Description
4—1	40X5123	1	1	Printhead assembly
2	40X5107	1	1	System board support shield
3	40X5997	1	1	System board
NS	40X0269	1	1	Power cord—USA, Canada, Bolivia, Peru
NS	40X0288	1	1	Power cord (8 ft.)—Argentina
NS	40X0301	1	1	Power cord (8 ft.)—Australia, New Zealand
NS	40X3141	1	1	Power cord (8 ft.)—Austria, Belgium, Catalan, Czechoslovakia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Netherlands, Norway, Paraguay, Poland, Portugal, Russia, Spain, Sweden, Turkey, United Kingdom
NS	40X0271	1	1	Power cord (8 ft.)—England, France, Germany
NS	40X4596	1	1	Power cord (8 ft.)—Brazil
NS	40X0273	1	1	Power cord (8 ft.)—Chile, Uruguay
NS	40X0303	1	1	Power cord (8 ft.)—China
NS	40X1774	1	1	Power cord (8 ft.)—Denmark, Finland, Norway, Sweden
NS	40X0275	1	1	Power cord (8 ft.)—Israel
NS	40X3609	1	1	Power cord (8 ft.)—Japan
NS	40X1792	1	1	Power cord (8 ft.)—Korea
NS	40X1773	1	1	Power cord (8 ft.)—South Africa
NS	40X1772	1	1	Power cord (8 ft.)—Switzerland
NS	40X1791	1	1	Power cord (8 ft.)—Taiwan





Assembly 5: Left





Assembly 5: Left

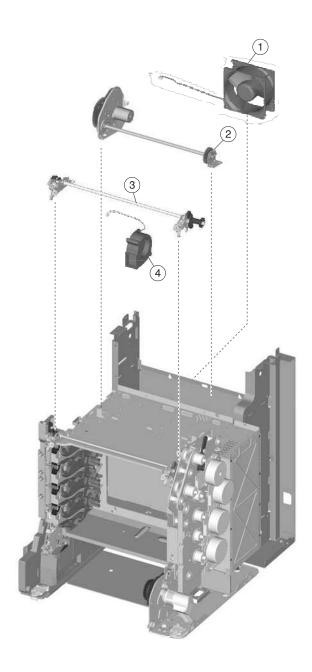
Index	P/N	Units/ mach	Units/ FRU	Description
5—1	40X5137	1	1	Contact springs kit
				includes the following:
				 A—Torsion PCD contact spring B—Torsion CR contact spring C—Contact spring cap D—Charge roll contact spring E—HVPS TAR contact spring F—HVPS doctor/developer contact spring G—HVPS Db contact spring Screw
2	40X7159	1	1	Auger shaft and gear parts pack
3	40X5307	1	1	Waste toner HV contact assembly
4	40X5129	1	1	High-voltage power supply
5	40X1416	4	1	Toner level sensor
6	40X8373	1	1	Toner cartridge contacts



Next



Assembly 6: Top



Index	P/N	Units/ mach	Units/ FRU	Description
6—1	40X5109	1	1	Cooling fan
2	40X5122	1	1	Color on demand assembly
3	40X5130	1	1	Top cover camshaft assembly
4	40X5108	1	1	Cartridge cooling fan





Assembly 7: Cable parts packet

Index	P/N	Units/ mach	Units/ FRU	Description
NS	40X7973	1	1	Cables, including
				 Duplex/MPF motor cable Fuser AC cable Fuser DC cable HVPS cable Transport cable Fuser and cartridge 1 motor cable Cartridge 2 and 3 motor cable USB-A cable 550 option cable Transport motor cable Transport motor cable Speaker cable UICC cable (for single-function) UICC cable (for multi-function) Operator panel ground cable (for multi-function) Operator panel ground cable (for multi-function)
NS	40X6351	1	1	Motor drive cable

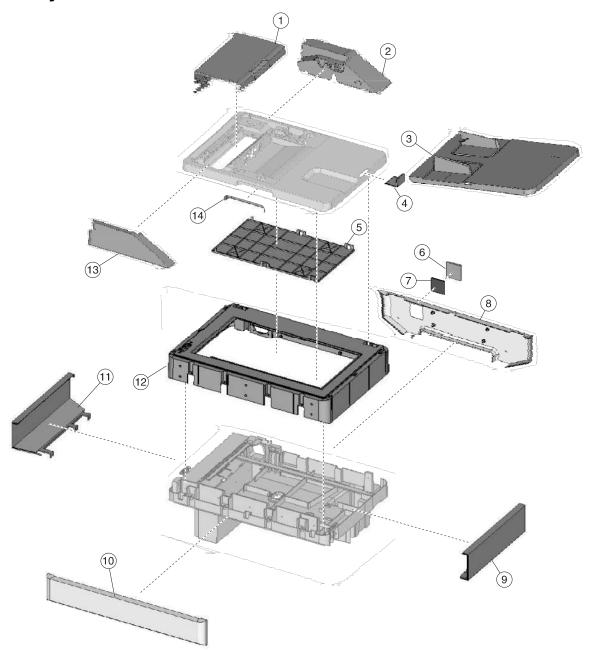
Previous



Next



Assembly 8: Covers—scanner







Assembly 8: Covers—Scanner

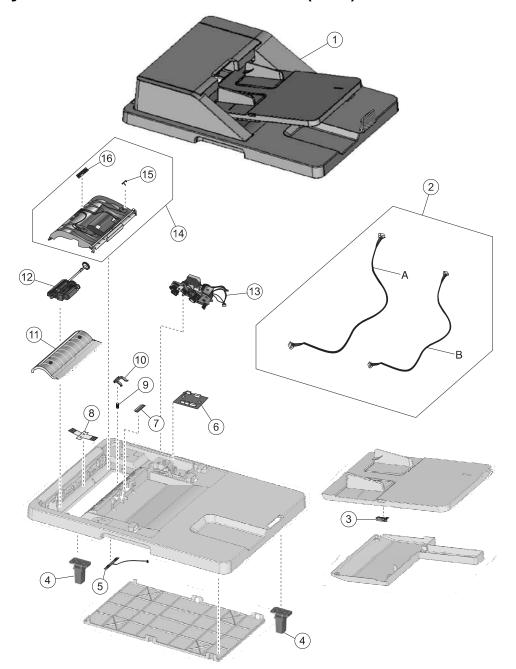
Index	P/N	Units/ mach	Units/ FRU	Description
8—1	40X5196	1	1	ADF front case cover
2	40X5202	1	1	ADF upper motor side cover
3	40X5192	1	1	ADF document input tray
4	40X5193	1	1	ADF paper stop
5	40X5194	1	1	Pressure plate cover
6	40X5198	1	1	Flatbed filter door cover
7	40X5218	1	1	Flatbed air filter
8	40X5207	1	1	Scanner rear cover
9	40X5205	1	1	Scanner right cover
10	40X5206	1	1	Scanner front cover
11	40X5204	1	1	Scanner left cover
12	40X5211	1	1	Flatbed with glass cover
13	40X5203	1	1	ADF upper front side cover
14	40X5201	1	1	ADF lid handle cover







Assembly 9: Automatic document feeder (ADF)







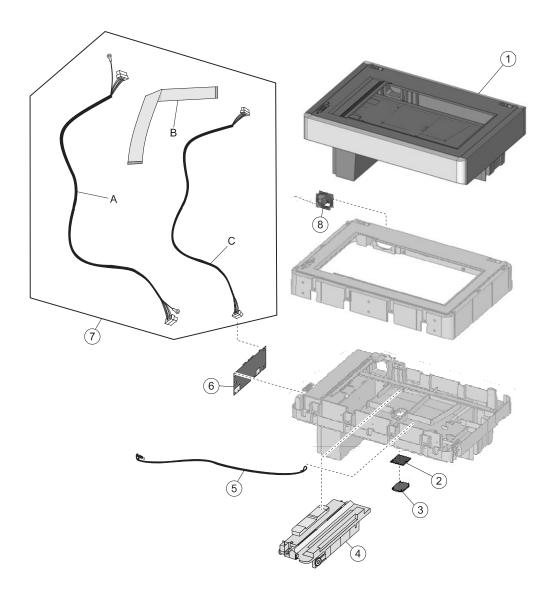
Assembly 9: Automatic document feeder (ADF)

Index	P/N	Units/ mach	Units/ FRU	Description
9—1	40X5190			ADF, complete
2		1	1	Parts packet—cables (40X5217)
				A—ADF input tray cable B—ADF case cable Note: Additional cables listed in assembly 10 (5 total).
3	40X5210	1	1	Paper present LED card
4	40X5209	1	1	ADF hinge (left or right)
5	40X5166	1	1	ADF exit sensor with cable
6	40X5220	1	1	Scanner ICC card
7	40X5189	1	1	ADF pick pad
8	40X5165	1	1	ADF static ground brush
9	40X5163	1	1	Separator pad spring
10	40X5187	1	1	ADF separator pad
11	40X5197	1	1	ADF upper case cover
12	40X5188	1	1	ADF pick roll assembly
13	40X5208	1	1	ADF motor gear train assembly
14	40X5195	1	1	ADF front case assembly
15	40X5191	1	1	ADF cover open flag
16	40X5291	1	1	ADF skew card





Assembly 10: Flatbed scanner







Assembly 10: Flatbed scanner

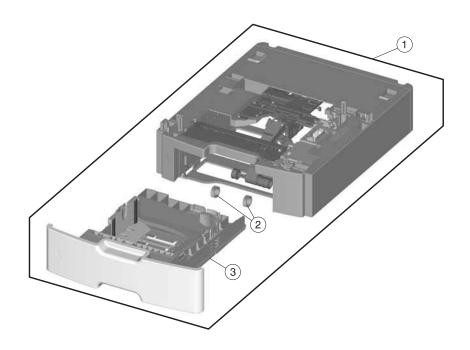
Index	P/N	Units/ mach	Units/ FRU	Description
10—1	40X7959	1	1	Flatbed scanner, complete
2	40X5215	1	1	Cave LED card
3	40X5216	1	1	Flatbed cave LED cover (clear)
4	40X7957	1	1	Flatbed CCD carrier module, including lamp assembly
5	40X5214	1	1	Carriage transport belt with clip
6	40X7975	1	1	Scanner MDC card
7	40X5199	1	1	Flatbed cooling fan
8	40X5217	1	1	Parts packet, cables)
				A—ADF cable B—Scanner to system board flat cable C—Scanner to system board cable Note: Additional cables listed in assembly 8 (5 total)

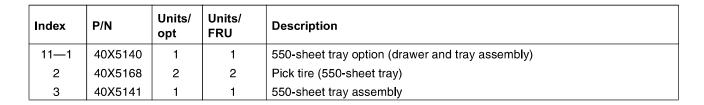






Assembly 11: Optional 550-sheet media drawer and tray

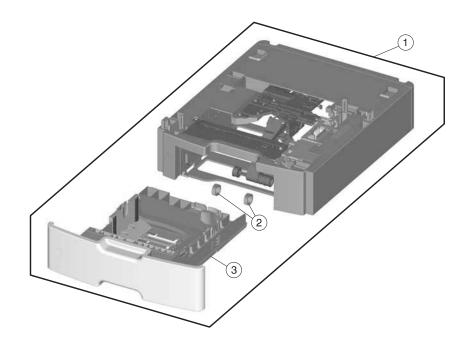


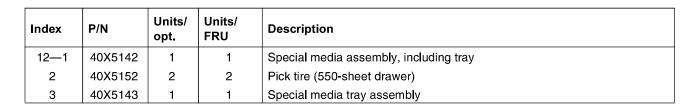






Assembly 12: Optional special media tray assembly



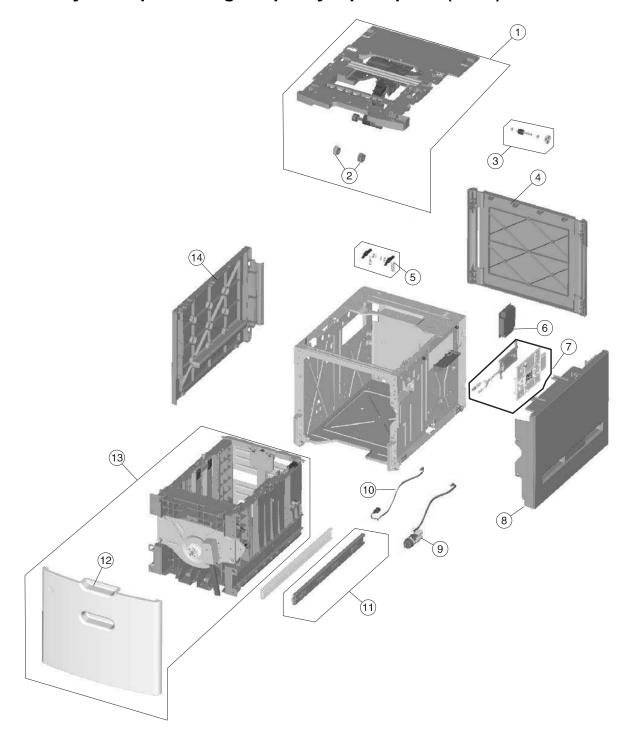








Assembly 13: Optional high-capacity input option (HCIT)







Assembly 13: Optional high-capacity input option (HCIT)

Index	P/N	Units/ option	Units/ FRU	Description
13—1	40X5157	1	1	Top plate assembly
2	40X5168	2	2	HCIT pick tire
3	40X5156	1	1	Feed with bushing
4	40X5149	1	1	HCIT rear cover
5	40X4585	2	1	Tray latch with spring
6	40X5159	1	1	HCIT controller card assembly
7	40X4587	1	1	Slide assembly with springs
8	40X5147	1	1	HCIT right cover
9	40X5155	1	1	Elevator motor with sensor
10	40X5158	1	1	Photointerrupter sensor with cable assembly
11	40X4593	2	1	HCIT drawer slide assembly
12	40X5146	1	1	HCIT front tray cover
13	40X5144	1	1	HCIT paper drawer tray assembly
14	40X5148	1	1	HCIT left cover







Assembly 14: Options and features

Index	P/N	Units/ mach	Units/ FRU	Description
NS	40X5317	1	1	Parts packet, ISP thumbscrew and standoff
NS	40X5315	1	1	Wireless ISP thumbscrew
NS	40X7855	1	1	Fax modem card
NS	40X5185	1	1	Parts packet, scanner screws (contains screws used in the scanner, with the exception of parts specifically called out). See "Screw and retainer identification table" on page 4-4.
NS	40X5136	1	1	Parts packet, screws (contains screws used in the printer, with the exception of the parts specifically called out.). See "Screw and retainer identification table" on page 4-4.
NS	40X5301	1	1	256 MB SDRAM
NS	40X5302	1	1	512 MB SDRAM
NS	40X5303	1	1	1024 MB SDRAM
NS	40X5704	1	1	256 MB flash card
NS	40X5969	1	1	Korean font card
NS	40X5971	1	1	Traditional Chinese font card
NS	40X5970	1	1	Simplified Chinese font card
NS	40X5972	1	1	Japanese font card
NS	40X8323	1	1	Bar code and Forms card
NS	40X7051	1	1	Lexmark PrintCryption™ card
NS	40X8329	1	1	Prescribe card
NS	40X8326	1	1	IPDS SCS TNE card
NS	40X4826	1	1	MarkNet™ N8120 10/1000
NS	40X4827	1	1	MarkNet N8130 10/100 fiber
NS	40X4823	1	1	Parallel 1284-B interface card adapter
NS	40X4819	1	1	Serial interface card adapter
NS	40X7058	1	1	160 GB hard drive assembly
NS	40X1368	1	1	2-meter USB cable
NS	40X1367	1	1	10 ft. parallel cable (ROHS)
NS	40X1592	1	1	Print server 4-port USB
NS	40X1593	1	1	Print server 1-port USB
NS	40X1594	1	1	Print server parallel
NS	40X8333	1	1	X74x Relocation kit
NS	7377200	1	1	Option drawer relocation kit
NS	40X5281	1	1	High-capacity input tray (HCIT) relocation kit
NS	40X5316	1	1	14-pin JST cable assembly for ISP interface cable
NS	40X7062	1	1	Wireless US 802.11b/g/n ISP adapter
NS	40X7063	1	1	Wireless EU 802.11b/g/n ISP adapter
NS	40X8359	1	1	Caster front wheel
NS	40X8478	1	1	Caster basel





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