



Your No.1 Source For Laser Printer Parts

NX Maintenance Kit Instructions

Parts Lists

Your user maintenance kit contains the following items:-

- * (1) Fusing Assembly
- * (6) Pick-up/Separation Rollers
- * (1) Transfer Roller Assembly
- * (1) Transfer Roller Clip
- * (1) Duplex D-Roller (if requested when ordered kit)

CAUTION

Remove the fusing assembly spacing brackets and Cardboard before installing the fusing assembly. Failure to remove the spacing brackets and cardboard may cause damage to the printer when the printer is in operation.

When your printer has printed 200,000 pages, the USER MAINTENANCE message is displayed in place of the OO PCL READY (or OO PS READY) message. Parts described in this section must be replaced to keep your LaserJet printer at optimal performance. When the maintenance has been completed, clear the message (see “Clearing the Maintenance and Service Message”) and continue printing.

The parts to be replaced are:

- Fusing Assembly
- Transfer Roller and Clip
- Pick-up and Separation Rollers
- Duplex Roller (if Duplexer is installed)

WARNING

Failure to turn off and unplug the printer before replacing parts may result in personal injury or damage to the printer. After turning the printer off and unplugging the printer, allow the printer to cool for 30 minutes before replacing the parts.

NOTE



Your No.1 Source For Laser Printer Parts

- As you begin the maintenance procedures, read through the whole procedure first.
- It is important to replace all the user maintenance parts at this time.
- Unless specifically noted, replacement is the reverse of removal. Always carefully observe the position and alignment of the part you are removing, this is your best guide to replacement.
- Use the gloves provided when replacing the transfer roller. To ensure optimal performance, do not touch the roller without gloves.
- Terms, right and left, used in these procedures assume that you are standing at the front of the printer.

FUSING ASSEMBLY REMOVAL AND REPLACEMENT

The fusing assembly is located inside the printer at the rear below the toner cartridge. You will need a Phillips-head screwdriver. To replace the fusing assembly, follow the steps below.

WARNING

The fusing area gets HOT. Turn the printer OFF, unplug the power cord, and allow the fusing assembly to cool for 30 minutes before attempting to remove it

REMOVAL

1. Turn OFF and unplug the printer
2. Remove the paper trays
3. Open the printer's top cover by pressing the top release button
4. Remove the toner cartridge. Store the toner cartridge out of direct light.
5. Allow the assembly 30 minutes to cool before attempting to remove it
6. Loosen the 4 screws attaching the fusing assembly to the printer with the screwdriver, and then use your fingers to remove them. (These screws appear as tall posts at each corner of the fusing assembly.)

CAUTION

7. Slide the fusing assembly to the left, then up and out. You will have to lift the fusing assembly toward the front of the printer to avoid the toner cartridge holder.



Your No.1 Source For Laser Printer Parts

REPLACEMENT

1. Lower the new fusing unit into place against the left side of the printer then slide it to the right until the electrical connector is firmly inserted into the socket at the right side of the printer. (The slots on the underside of the fuser unit fit into metal tabs on the plate the fusing unit rests on, they help to guide the assembly into place.) Be sure that the electrical connector is firmly seated and that the paper sensor flag is able to move back and forth freely.
2. Replace the screws by starting them with your fingers, then tightening them with the screwdriver.
3. Replace the toner cartridge and close the top cover.

TRANSFER ROLLER AND CLIP

The transfer roller is the black sponge rubber located inside the printer just to the front of the black plastic paper feed guide. Remove and replace the transfer roller and clip as follows:

REMOVAL

1. Turn OFF and unplug the printer.
2. Remove the paper trays
3. Open the printer's top cover by pressing the top release button.
4. Remove the light-blue plastic retaining clip, which holds the right end of the roller in place, by pulling up on its rear-most edge. Discard the clip.
5. Hold the transfer roller in place and slide the black busing to the right so that it separates from the roller shaft. **For replacement, observe and remember how the guide pins fit into the slots in the left socket.**

CAUTION Do not attempt to remove roller from the left side. Damage will result.

6. Remove the transfer roller lifting its right end up and out. Discard the used roller.

REPLACEMENT

1. Put on the gloves provided in your maintenance kit.
2. Slide the left end of the new roller into the left end socket, being careful that the guide pins fit into the slots.



Your No.1 Source For Laser Printer Parts

3. While raising the right end of the roller up slightly, push the bushing on the right end socket to the right. Then, lower the roller into place and slide the right end socket to the left and over the transfer roller's metal shaft.
4. Install the new light-blue plastic retaining clip, which holds the right end plastic socket in place. If the roller has been properly installed, the clip should fit easily over the shaft, and the transfer roller should not move from side to side.
5. Verify that the transfer roller is correctly seated by rotating it back and forth while watching the gear on the left. Both the gear and the transfer roller should turn freely.
6. Close the top cover.

PICKUP AND SEPARATION ROLLERS

Three pickup and separation rollers are located in the back of the upper and lower paper tray slots. (There are 6 pickup and separation rollers – 3 for each slot). The 6 rollers are identical.

To remove and replace them, follow the steps below:

REMOVAL

1. Turn OFF and unplug the printer
2. Remove both paper trays
3. Remove each roller by pinching the light blue plastic retaining clip at the end of the roller and sliding it off its shaft. You may have to rotate the roller for easy access to the clip.
4. Discard the used rollers

REPLACEMENT

1. Slide EACH new roller over its shaft and snap it into its place. You should be able to feel the light blue plastic clip “click” into place when the roller is firmly seated.
2. To check the installation, try to pull the roller off of the shaft; it should not come off.
3. Reinstall the paper trays

DUPLEX PICKUP REPLACEMENT



Your No.1 Source For Laser Printer Parts

If you have installed the optional duplex unit, you will need to replace the duplex pickup roller at the same time as the pickup and separation rollers.

REMOVAL

1. Turn OFF and unplug the printer
2. Remove both paper trays
3. Locate the duplex pickup roller through the lower paper tray slot.
4. With your left hand, lift the plate above the roller, and raise the roller off the bottom of the printer. With your right hand, pinch the end roller and slide it off to the right.

REPLACEMENT

1. Examine how the duplex pickup roller is keyed on the shaft. The shaft has 2 posts, one longer than the other. There are corresponding slots on either side of the hole through the duplex roller.
2. Slide the roller onto the shaft, aligning the slots with the post on the shaft.
3. Slide the roller to the left until you feel the pickup roller click into place.

NOTE: After you have replaced the fuser and turned the printer ON again, the message 50 SERVIC ERROR might appear on the display. This usually indicates the printer was not powered OFF long enough before the fuser was replaced. Turn the printer OFF again for 30 minutes' cooling time. This should clear the error message. If the problem persists, review the instructions for this message in your printer Users Reference Manual.

CLEARING THE MAINTENANCE AND SERVICE MESSAGE

LaserJet IIIsi

The USER MAINTENANCE message is displayed in place of the OO PCL READY (or OO PS READY) message when the printer has printed 200,000 pages. When you have completed the preceding replacement procedures, clear the display message as follows:

1. Press the On Line key, if necessary, to take the printer off line. The online light goes off.
2. Hold down the Menu Key until PCL CONFIG MENU appears, quickly followed by the SYS=HP-PCL message. (If your printer is



Your No.1 Source For Laser Printer Parts

- currently configured for postscript, you will see PS CONFIG MENU, quickly followed by the SYS=POSTSCRIPT message).
3. Press (do not hold) the Menu key several times to scroll through the configuration menu selections until you reach SERVICE MSG=on.
 4. Press the + or – key to change the message to SERVICE
 5. Press the Enter/Reset Menu key to turn the message OFF. An asterisk (*) appears after your choice.
 6. Return your printer online

LaserJet 4si

The USER MAINTENANCE message is displayed in place of the OO READY message when the printer has printed 200,000 pages. When you have completed the preceding replacement procedures, clear the display message as follows:

1. Press the Online key, if necessary, to take your printer off line. The online light goes off.
2. Click the menu key until the CONFIG MENU appears
3. Click (do not hold) the item key several times to scroll through the configuration menu selections until you reach SERVICE MSG=ON*.
4. Click the + or – key to change the message to SERVICE MSG=OFF.
5. Click the enter key to turn the message OFF. An asterisk (*) will appear after your choice.
6. Return your printer on line.