

HP® 8100 Cartridge Remanufacturing Instructions



Oasis Imaging Products, Inc. Technical Support: (800) 322-8992 ext 110

Reference Information:

OEM PN: C4182X
OEM Yield: 20,000
@ 5% image area

Approximate Remanufacturing

Time: 35-40 minutes

Recommended Tools:

Phillips-head screwdriver
Small, flat-head screwdriver
Small diameter punch and
Hammer

Materials Needed:

Oasis PCR cleaner # **99MS21**
Clean, lint-free cloth #**99CL14**
99% Isopropyl Alcohol



Hewlett Packard® 8100 Cartridge

Separating the cartridge halves:

1. Use a small, flat head screwdriver to gently pry up the base of the cartridge clips (located on each side of the cartridge (fig. 1)).
 - a. Remove the clips by prying outward after they have been lifted (fig. 2).
 - b. Use a punch to drive the pins into the cartridge (fig. 3). It might be difficult if they have never been punched in before. **Note:** There are blockers which prevent the pins from being pushed in easily. The longer pin is located on the drive gear side.
 - c. Separate the cartridge halves: toner hopper unit and OPC drum unit.

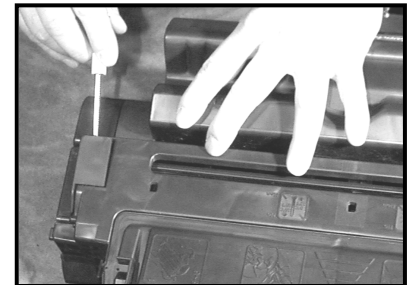


Figure 1

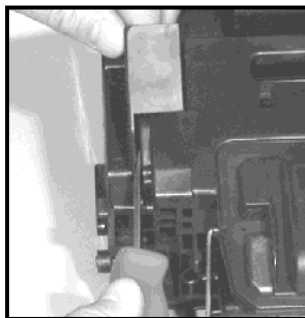


Figure 2

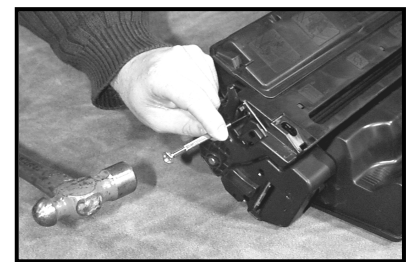


Figure 3

Toner Hopper Unit Instructions

1. On the toner hopper disassembly: remove the two screws holding the end cap in place (fig. 4).

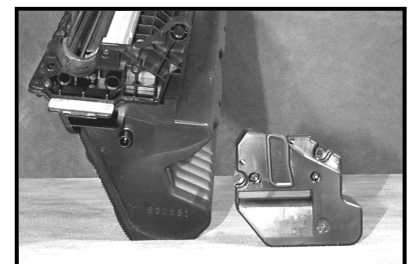


Figure 4

2. Remove the cover from the opposite end of the cartridge (2 screws).
Note: Make a note of the gear position for re-assembly. Do not remove or pull on the two small black or white gears located at the back; this will cause the toner agitator rods to fall into the hopper (see fig. 5).

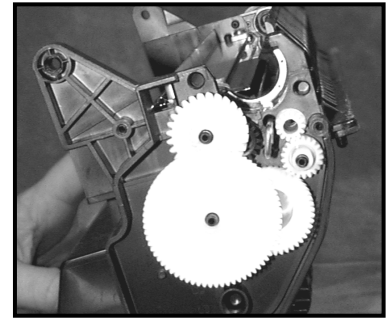


Figure 5

3. Lift the magnetic roller from the hopper. Use compressed air and a clean, lint-free cloth to remove residual toner from the surface of the roller.



Figure 5

4. Remove the two screws holding the doctor blade in place. Gently wipe the blade with a clean, lint-free cloth. If the blade is worn or damaged, replace with Oasis **PN: WXDB20**. For optimum performance, we recommend replacing this part after every cycle.



Figure 6

5. Empty out remaining toner from the hopper. Use compressed air to clean **all** residual toner. Inspect the mag roller sealing blade; replace with Oasis **PN: WXMB10** if damaged. Refill the toner hopper through the mag roller opening.
6. Reassemble the toner hopper: (reverse steps 1-4).
 - a. Install the doctor blade and secure with two screws Oasis **PN: WXDB20**.
 - b. Install a new mag roller sealing blade Oasis **PN: WXMB10**.
 - c. Install the magnetic roller, ensuring all electrical contacts are clean.
 - d. Install the non-gear end cover and secure with two screws.
 - e. Install gears.
 - f. Align the magnetic roller shaft "D" shaped end with the slot on the gear cover and secure with two screws.

Drum Unit Instructions

1. Use a small drive punch and hammer to gently drive the OPC axle rod (the end with the white lock ring (fig.7)) 1-2" into the end of the cartridge. Next, grasp the rod that extends from the opposite end of the cartridge and gently twist and pull to remove it from the OPC.
 - a. Gently remove the OPC from the cartridge and clean off residual toner with compressed air. Store the OPC in a dark place.
 - b. If the white lock ring is lost or broken during removal, replace with Oasis **PN: WXCP12**.

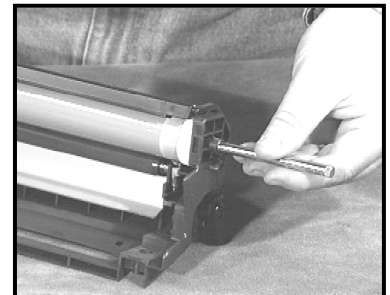


Figure 7

2. Remove the primary charge roller (PCR) by lifting it out of the mounting clips. To clean the PCR, apply a small amount of Oasis PCR cleaner (**PN: 99MS21**) to a clean, lint-free cloth (**PN: 99CL14**). Gently wipe the surface of the PCR until all residual toner and PCR cleaner is removed. The surface of the roller will appear shiny. Use a cotton swab and 99% Isopropyl Alcohol to remove residual toner/ conductive grease from the clips.



Figure 8

3. Remove the two screws holding the wiper blade in place and lift the blade out. Use a clean, lint-free cloth saturated with 99% IPA to remove residual toner from the blade. Wipe the blade in one direction only. Inspect the blade for damage and replace if necessary (Oasis **PN: H5WB20**). For optimum performance, we recommend replacing the blade after every cycle.



Figure 9

4. Empty out remaining toner from the waste bin and use compressed air to clean all residual toner. Inspect the recovery blade. If damaged, replace with Oasis **PN: H5RB10**.
5. Reassemble the waste hopper:
 - a. Install the wiperblade.
 - b. Lubricate the OPC drum with padding powder. We recommend using Kynar (**PN: 99CL24**) or Zinc Sterate (**PN: 99CL11**).
 - c. Carefully install the OPC (toner lubricated side toward the wiper blade) and replace the drum axle shaft through the opening in the OPC drive gear. **Note:** The knurled end of the shaft enters the housing last. Replace the white ring on the non-knurled end of shaft.
 - d. Rotate the OPC into the wiper blade so that excess padding powder is removed.
 - e. Next use a lint free cloth **PN:99CL14** and wipe the padding powder from the PCR being careful not to touch the OPC drum.
 - f. Join the cartridge halves and secure with cartridge clips.

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