

# HP® 5000 Cartridge Remanufacturing Instructions



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

## Reference Information:

OEM part numbers:

C4129A

C4129X

## OEM Yields:

(29A) 6,000 Pages @ 5%

(29X) 10,000 Pages @ 5%

## Materials Needed:

Toner (500 g)

OPC (if needed)

PCR (if needed)

Lint-free, wax free cloths

Cotton swabs

Conductive Grease (PN #592)

PCR Cleaner (PN # 1160)

Wiper blade (if needed)

## Tools Required:

# 2 Phillips screwdriver

# 1 Flat tip screwdriver

Needle-nose pliers

## Approximate Remanufacturing

Time: 25 min.

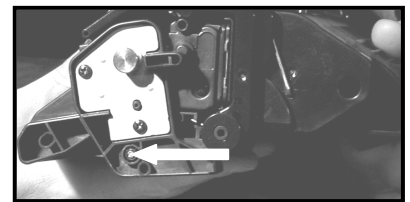


Figure 1A

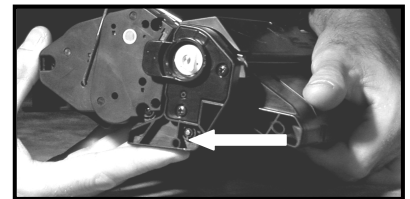


Figure 1B

## Introduction:

The Hewlett Packard® LaserJet 5000 printer uses a typical HP cartridge in that the toner hopper and the drum/waste hopper are located in one disposable unit. The toner hopper contains the toner reservoir, the doctor blade, the toner low sensor bar and the magnetic roller assembly. The drum/waste hopper contains the drum, the wiper blade, recovery blade and the waste hopper. The cartridge halves are held together by a pair of retaining pins, one on each end of the cartridge.

## Instructions

1. Lay the HP 5000 cartridge on its top. Locate the retaining pins and push them into the cartridge until they are free (Figs. 1A & 1B). It is important to have the cartridge lying on its top or the pins could damage the OPC when they are pushed through. Separate the two halves being careful not to damage the OPC with the shutter assembly. Set the toner hopper aside.

## OPC/ Waste hopper

2. Remove the two (2) screws securing the drum retaining plate (Fig. 2). Remove the OPC drum from the waste hopper. Clean, inspect and lubricate the drum; replace if necessary (PN# H5DR1005). Wrap the OPC in a clean, lint-free cloth or store in a drum case to protect it from light and physical damage.
3. Remove the PCR from the waste hopper, clean, and inspect, replace if necessary (PN# H5CR10). Be sure to remove any residual cleaner from the shaft of the PCR to avoid voltage loss.
4. Remove the two screws securing the wiper blade (Fig. 3). Vacuum residual toner from the waste hopper. Inspect, lubricate and reinstall the wiper blade; replace if necessary (PN# H5WB10). If damaged, remove the recovery mylar from the waste hopper. Be sure to Remove **all** adhesive from the recovery blade mounting surface. Carefully apply a new recovery blade (PN# H5RB10) to the waste hopper ensuring there are no kinks in the blade.

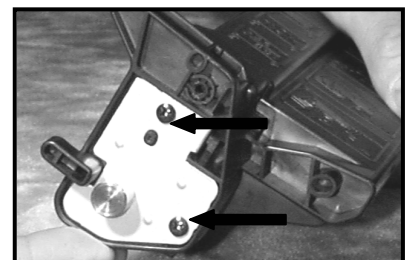


Figure 2

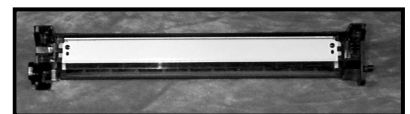


Figure 3

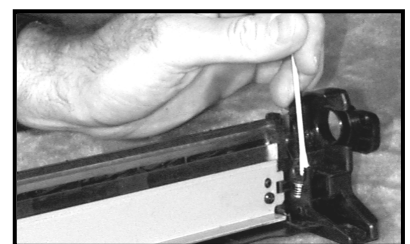


Figure 4

5. Clean the black PCR saddle clip with a cotton swab and 99% IPA (Fig. 4). This clip is conductive and supplies current to the PCR. If it is dirty or the PCR does not make good contact, print defects will occur. Install the PCR and OPC into the waste hopper unit. Rotate the OPC against the wiper blade and then remove residual drum lubricant (padding powder) from the surface of the PCR with a clean lint-free cloth. Any padding powder left on the PCR will cause print defects. Set the drum unit aside ensuring the OPC is protected from light and physical damage.

### Toner Hopper

6. Gently pry the drum shutter arm from the left side of the cartridge being
7. careful not to lose the tension spring located in the receptacle at the top of the arm (Fig. 5). When the arm is free of the cartridge, remove it from the clips on the shutter and set the arm aside (Fig. 6). Now remove the silver retaining arm by gently pulling on the right side while rotating the arm back and upward. **Note:** The right side of the silver retaining arm is keyed and must be rotated in order to release the keyed portion (Fig. 7).
8. Place the toner hopper on the work area with the magnetic roller facing you. Remove the three (3) screws from the right side of the cartridge (Fig. 8), then remove the right end-cap being careful to keep it in an up-right position so the gears do not fall off (Fig. 9). Carefully remove the magnetic roller by first lifting the right end of the roller and then gently pulling it to the right. Note the location of all peripheral components on the mag roller such as bushings, brackets, etc. (Fig. 10). Use compressed air to remove all residual toner from the mag sleeve. Inspect it for damage and replace if necessary (PN# H5MR10). Set the mag roller aside.
9. Remove the two screws holding the doctor blade in place (Fig.11). Clean, inspect and replace if necessary (PN # H5DB10). Use compressed air or a vacuum to remove residual toner from the hopper. Inspect the mag roller mylar for damage and replace if necessary (PN# H5MY10). Clean the bias charge contact with a cotton swab and 99% IPA (Fig. 12). Fill the hopper with toner through the mag roller slot.
10. Place the doctor blade on the toner hopper and secure with two (2) screws. Replace the contact spring, nylon brackets and the right (red) and left (yellow) bushings on the mag sleeve, and install in the toner hopper. Once the mag sleeve is in place, position the end cap on the right side (note the "D" shaped key on the end of the magnet). Secure with two (2) screws.
11. Install the left and right ends of the silver shutter retaining arm (note the alignment of the keyed tip on the right end). Next, align the tension spring in the receptacle of the drum shutter arm (the far side of the spring must press down into the shutter arm , while the near side must rest on the notch on the right side of the receptacle Fig. 13). Affix the drum shutter arm onto the left side of the cartridge ensuring the exposed end of the spring sits on the notch indicated (Fig. 14). Pull the arm back and then release. The leading end of the arm should snap forward past the front of the hopper, if not; reseat the arm and try again. When the spring and shutter arm are positioned properly, insert the piton at the end of the shutter arm into the shutter clips provided (Fig. 15).
12. Place the cartridge halves together (make sure you do not damage the springs on top of the toner hopper. Align the retaining pin holes on each side and insert the pins to hold the halves together.

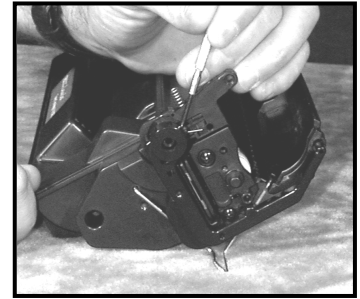


Figure 5



Figure 6

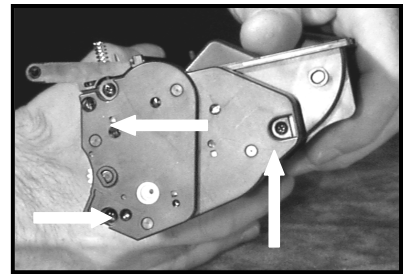


Figure 8

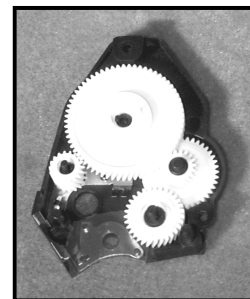


Figure 9

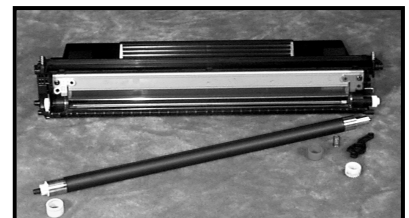


Figure 10

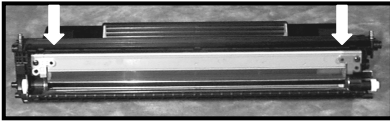


Figure 11

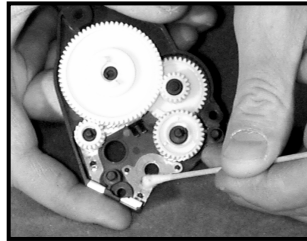


Figure 12



Figure 13

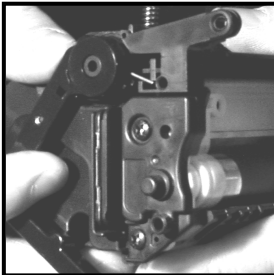


Figure 14

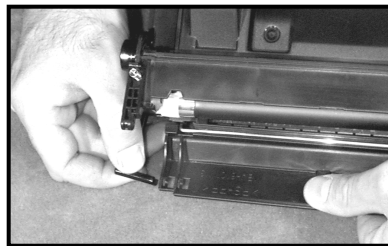


Figure 15

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