

# HP® ENTERPRISE M607 CF237 SERIES TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



HP CF237A TONER CARTRIDGE

# REMANUFACTURING THE HP LASERJET ENTERPRISE M607 CF237 SERIES TONER CARTRIDGES

By Mike Josiah and the Technical Staff at UniNet

The HP M607 series monochrome laser printers are based on a 55-75 ppm black (depending on the model) 1200 x 1200 dpi engine, with a first page out (depending on the machine) in under 5.3 Seconds. The cartridges are an all-in-one type cartridge that consists of the toner supply, drum and waste chamber.

These machines have a new feature called HP Sure Start. Each printer now regularly checks its operating code and repairs itself from attempted hacks.

## PRINTERS BASED ON THE M607 ENGINE

HP LaserJet Enterprise M607n  
 HP LaserJet Enterprise M607dn  
 HP LaserJet Enterprise M608n  
 HP LaserJet Enterprise M608dn  
 HP LaserJet Enterprise M608x  
 HP LaserJet Enterprise M609dh  
 HP LaserJet Enterprise M609dn  
 HP LaserJet Enterprise M609x

HP LaserJet Enterprise MFP M631dn  
 HP LaserJet Enterprise MFP M631h  
 HP LaserJet Enterprise MFP M631z  
 HP LaserJet Enterprise MFP M632h  
 HP LaserJet Enterprise MFP M632z  
 HP LaserJet Enterprise MFP M633fh  
 HP LaserJet Enterprise MFP M633z

## CARTRIDGES USED IN THE M607 ENGINE

CF237A 37A	11,000 pages	USD\$189.00 List*
CF237X (HY) 37X	25,000 pages	USD\$292.99 List*
CF237Y (EHY) 637Y	41,000 pages	USD\$399.00 List*

\*Pricing, in U.S. American dollars, current as of August 2017



The above two pictures show the **CF237X** and **CF237Y** cartridges.

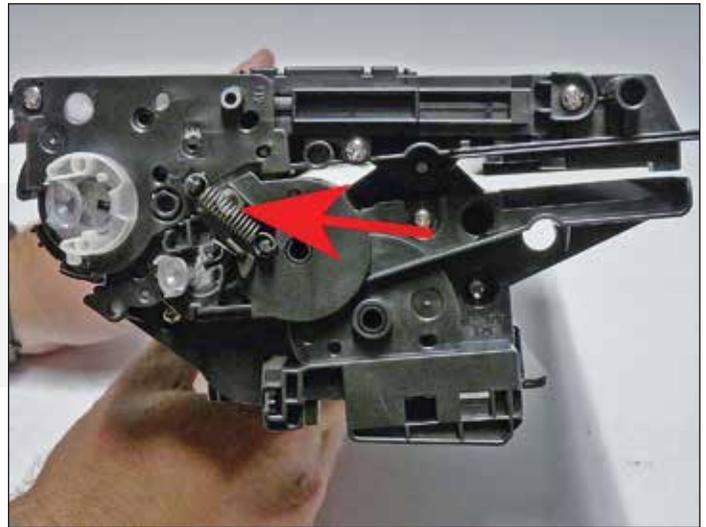
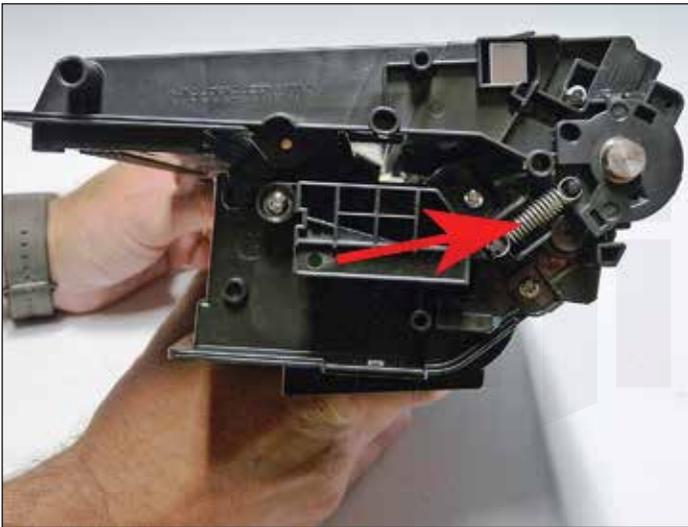
These instructions were written using the **CF237A** cartridge (shown in initial picture above).

#### **REQUIRED TOOLS**

1. Toner approved vacuum
2. A small screwdriver (common style)
3. A Phillips head screwdriver
4. Needle nose pliers
5. Spring hook
6. Modified sprint hook/dental probe (see text)
7. Dremel type rotary tool

#### **REQUIRED SUPPLIES**

1. Toner for use in the HP M607 Series
2. New replacement chip. Make sure you have the correct yield!
3. New long life drum
4. New wiper blade
5. Drum cover
6. Lint free cloths
7. Conductive grease
8. Isopropyl alcohol
9. Cotton swabs



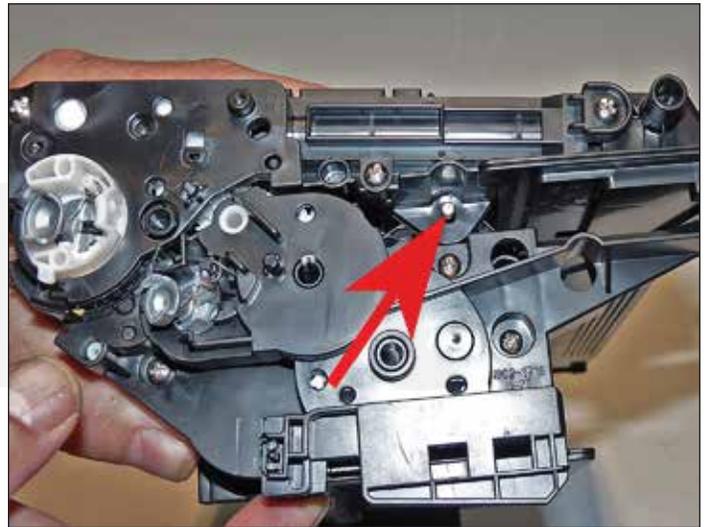
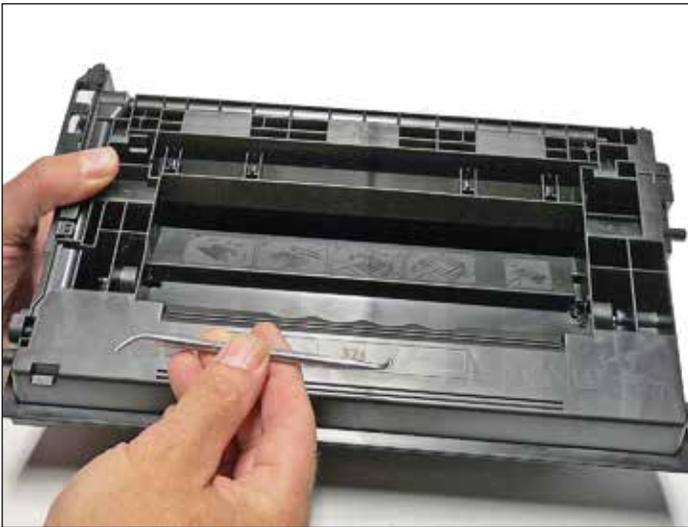
1. Remove the springs from both sides of the cartridge.

Note that there is a darker colored spring on the gear side of the cartridge.



2. Drill a small hole in the top of each side of the cartridge as shown.

This hole will enable you to remove the pins.

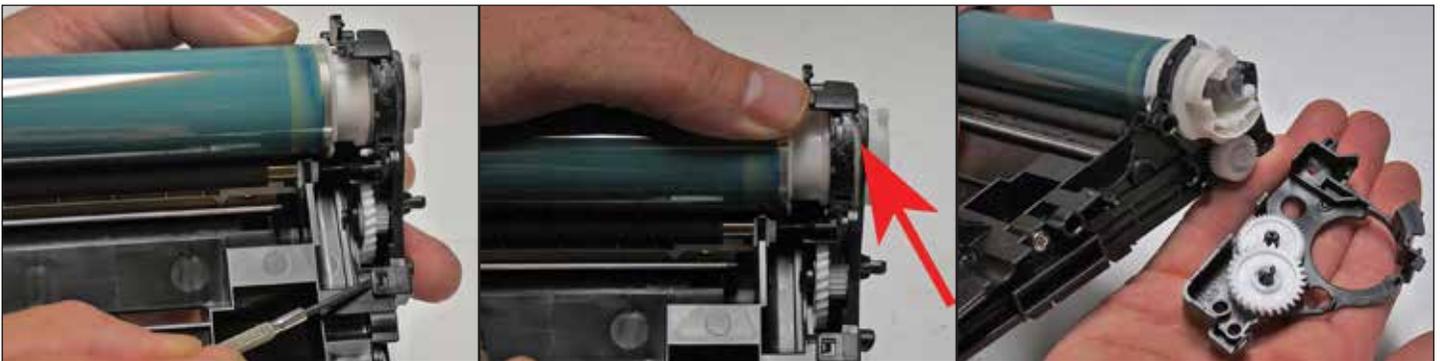


3. With the modified spring hook/dental probe, insert the bent side into the hole you drilled and push the pins out from each side.

You may need a small pin punch and hammer to knock them out.



4. Lift the two halves apart.



5. On the waste chamber, remove the screw from the drum axle end cap.

Cut the plastic as shown and remove the end cap.

The end cap is welded in this one spot.

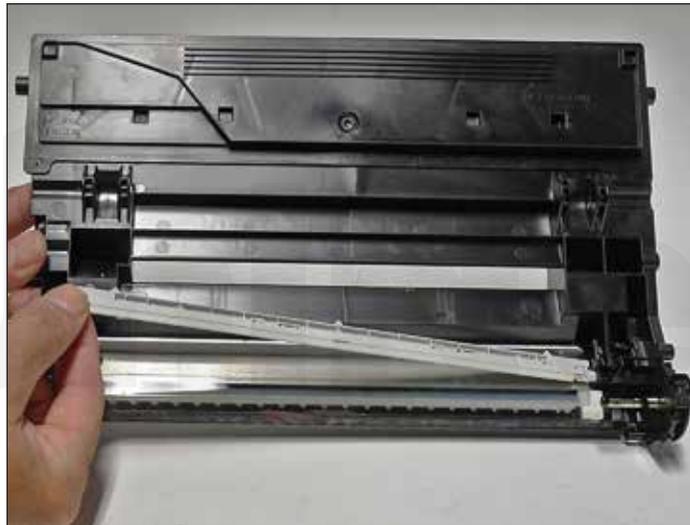


6. Remove the drum and bearing.



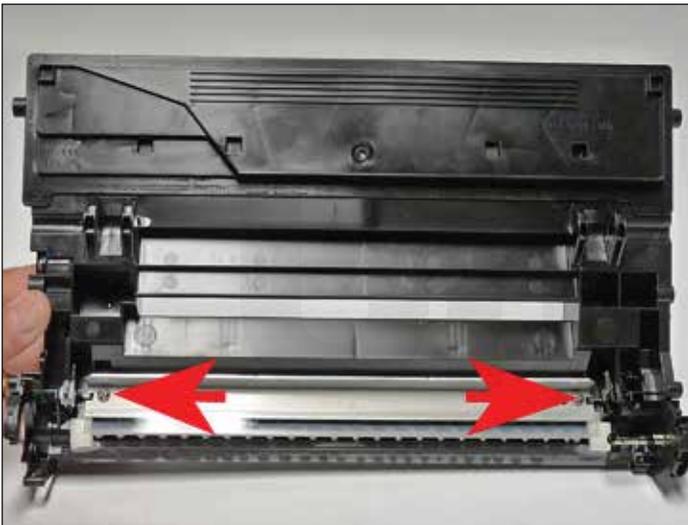
7. Remove the PCR.

Note the conductive grease on the one side.



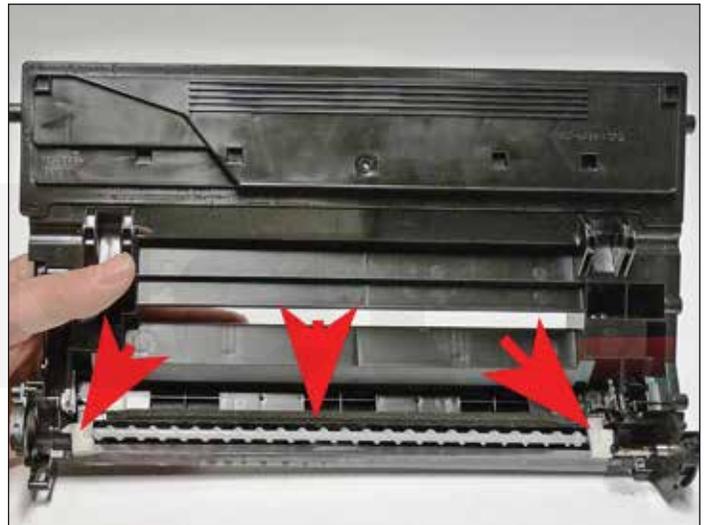
8. Carefully pry up the erase lamp assembly.

It's held on with double-sided tape.



9. Remove the two screws from the wiper blade.

Remove the wiper blade.



10. Clean out all the waste toner from the chamber.

11. Clean the felt seals on each end of the wiper blade.

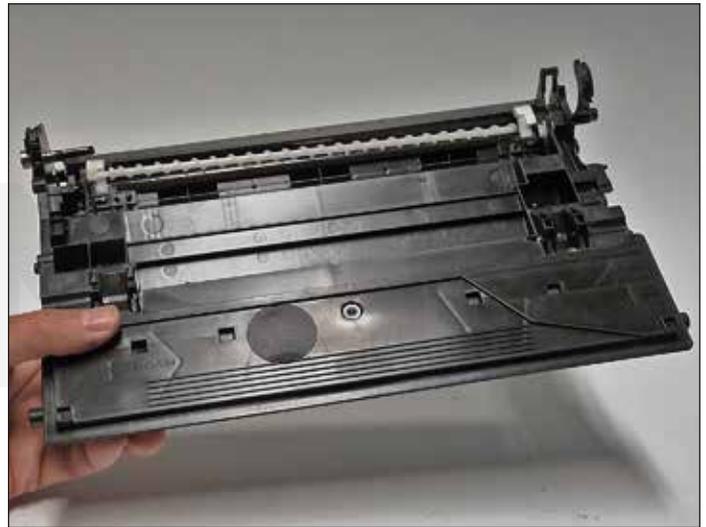
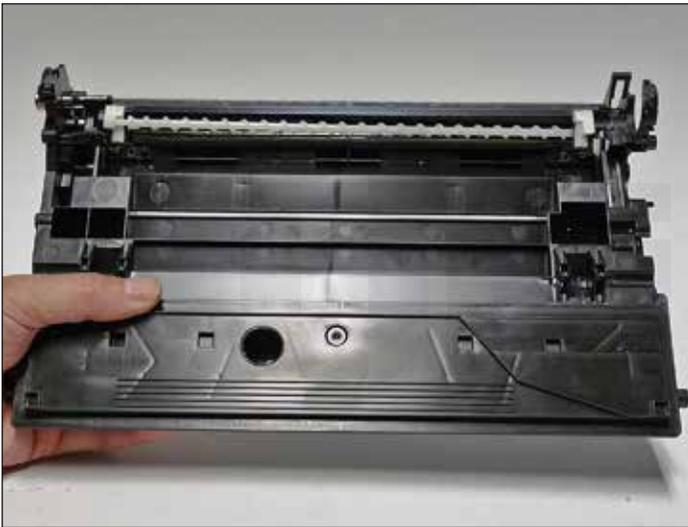
Make sure the waste auger turns freely.



12. Remove the two screws from the right (gear) side of the waste chamber.  
Pry up the auger cover and clean out any remaining toner from the auger system.



13. Snap the auger cover back in place and install the two screws.  
Make sure the auger system turns freely by turning the drive gear.

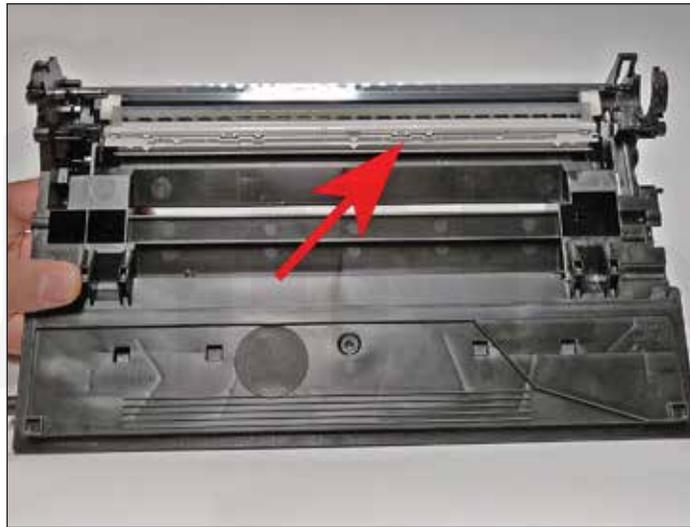


14. Melt a hole with the specialized soldering iron in the waste chamber and remove all the waste toner from the hopper.

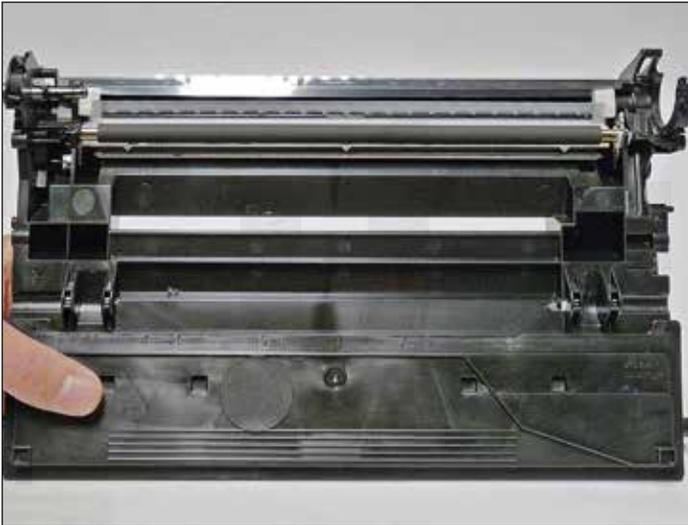
Place a good sealing label over the hole.



15. Install a new or cleaned, lubricated wiper blade and two screws.



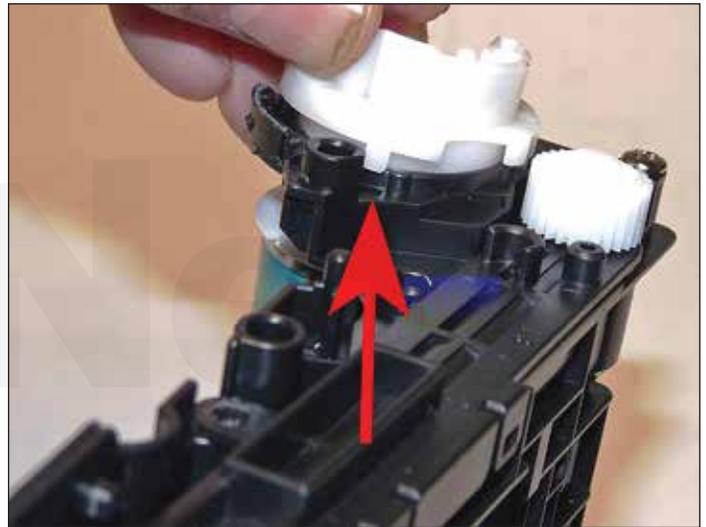
16. Install the erase lamp assembly.



17. Clean the PCR with your preferred cleaner and install in the cartridge. If the conductive grease is contaminated with toner, replace it with new.

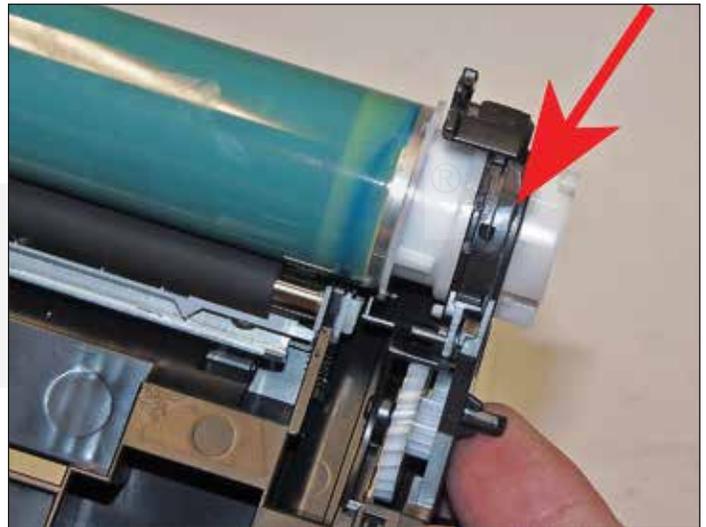
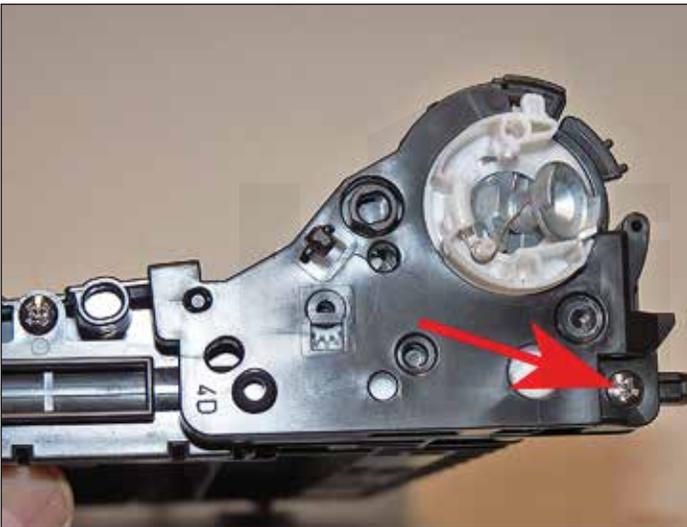


18. Clean and replace the conductive grease on the drum axle.



19. Install the drum.

Note the drum bushing lines up with tabs.



20. Install the end cap and screw.

Use a small amount of a good silicone adhesive to glue the cut part together.

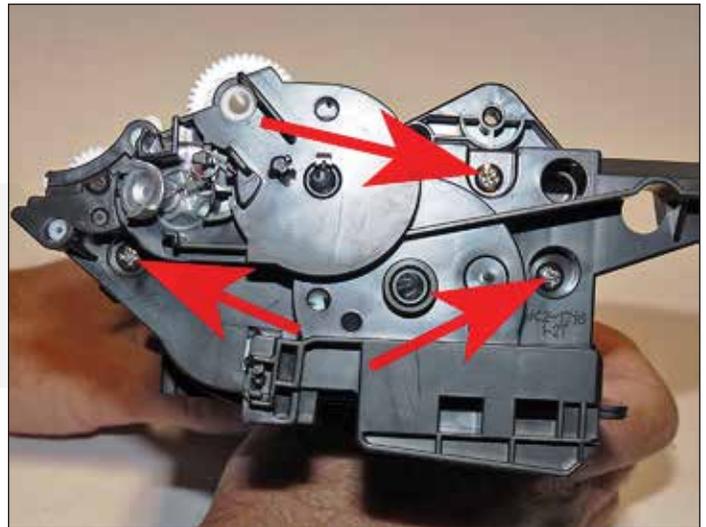


21. Place the waste chamber aside.

22. On the supply chamber, remove the three screws from the non-gear side end cap.



23. Remove end cap.

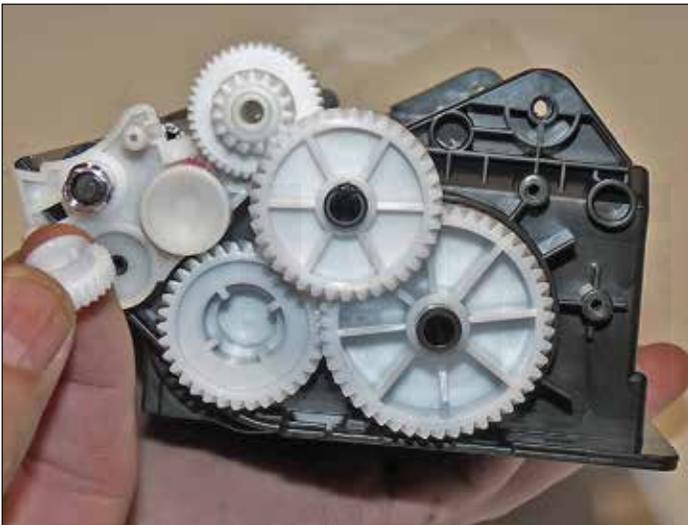


24. On the gear side, remove the three screws.



25. Press in on the two bottom tabs and pry off the end cap.

Note that the gears will stay on the end cap.



26. Remove the drive gear from the magnetic roller.



27. Remove the developer roller.



28. Remove the two screws from the doctor blade.

Both screws have normal right hand threads.

Pry the blade up make sure the sticky seal stays on the cartridge.



**NOTE:** These cartridges have a self-removing seal that is not accessible from the outside of the hopper.

To install a seal, it looks like the hopper will have to be split. Testing is ongoing for this possibility.

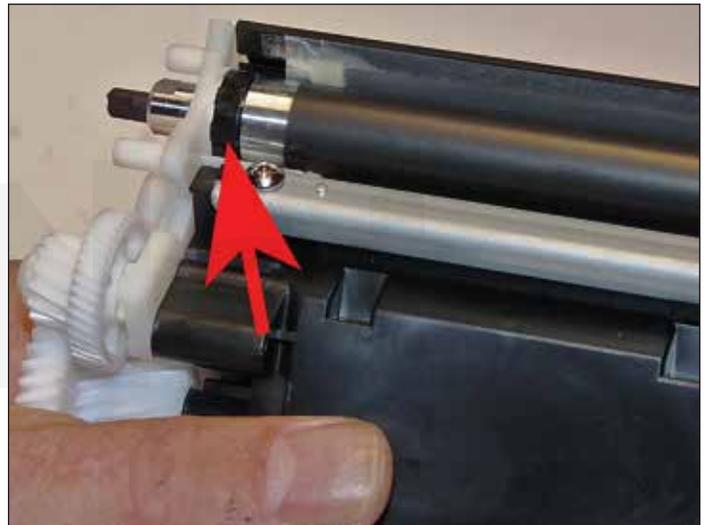
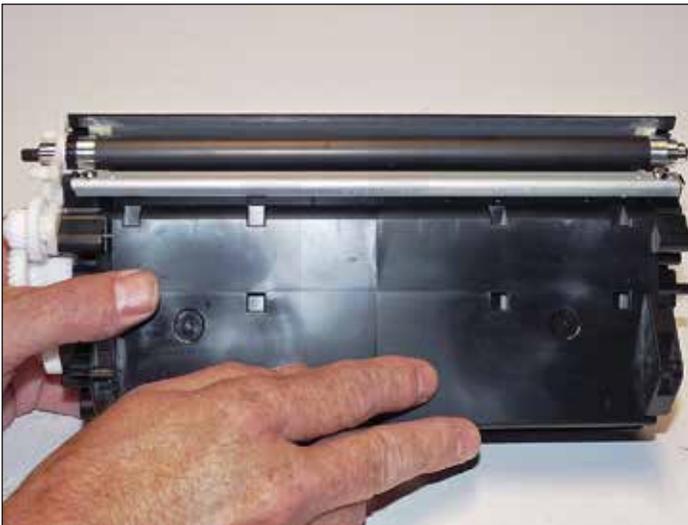
29. Fill with the correct load of toner for use in the M607 series.



30. Install the doctor blade and two screws.

Make sure the sticky seal under the blade seal correctly.

If the material is no longer sticky clean it with alcohol or replace it with a small amount of silicon.



31. Install the cleaned magnetic roller assembly.

Make sure the black bearing is on the gear side.



32. Install the white bearing on the magnetic roller, the non-gear end cap and three screws.

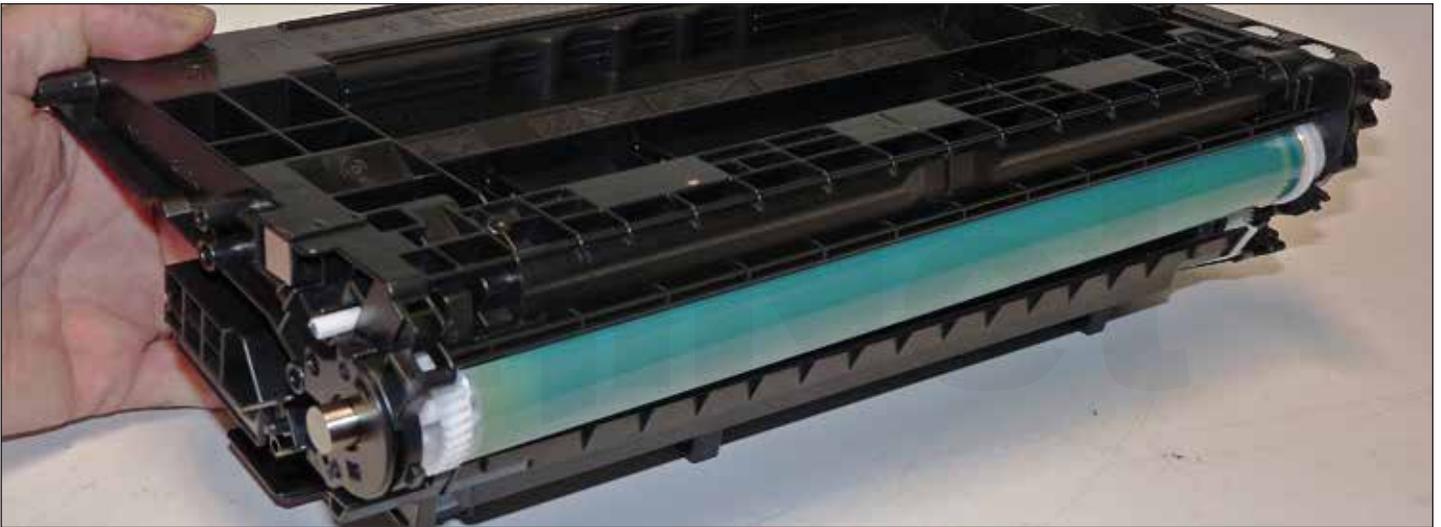


33. Install the magnetic roller drive gear.

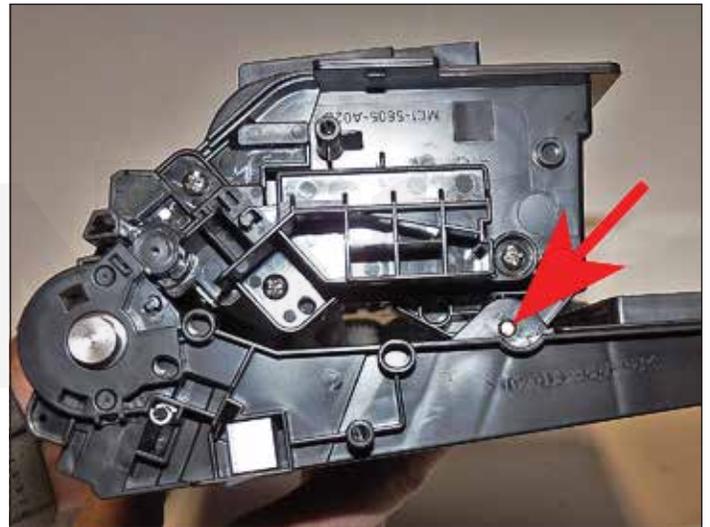


34. Install the gear end cap and three screws. You might have to turn the magnetic roller shaft slightly for the end cap to fit properly the end is keyed and fits into a keyed slot in the end cap.

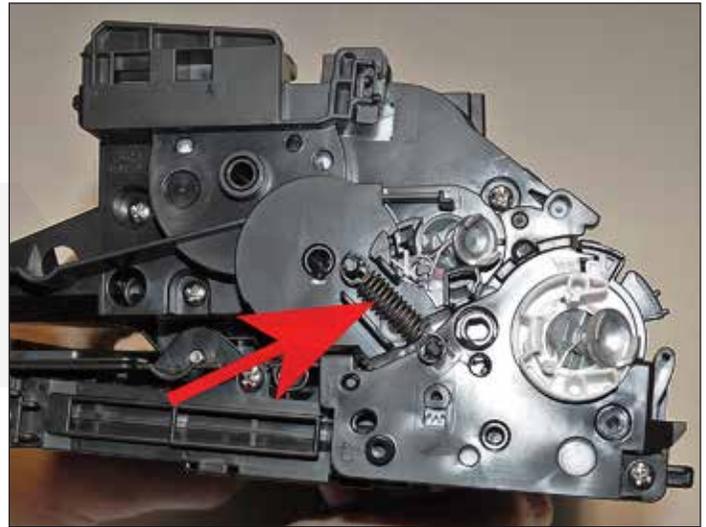
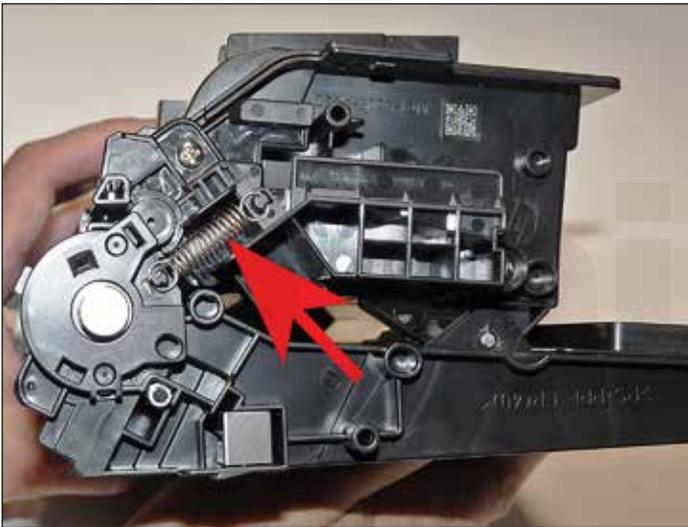




35. Place the two halves together.

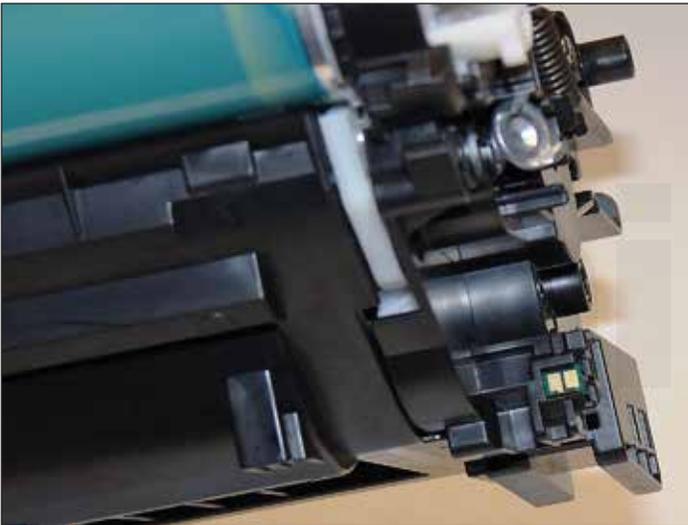


36. Install the two pins.

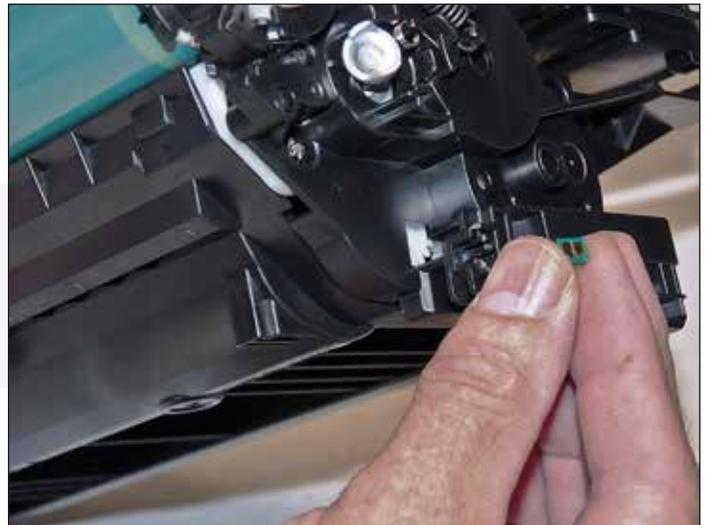


37. Install the two springs.

Make sure the darker colored spring is on the gear side.

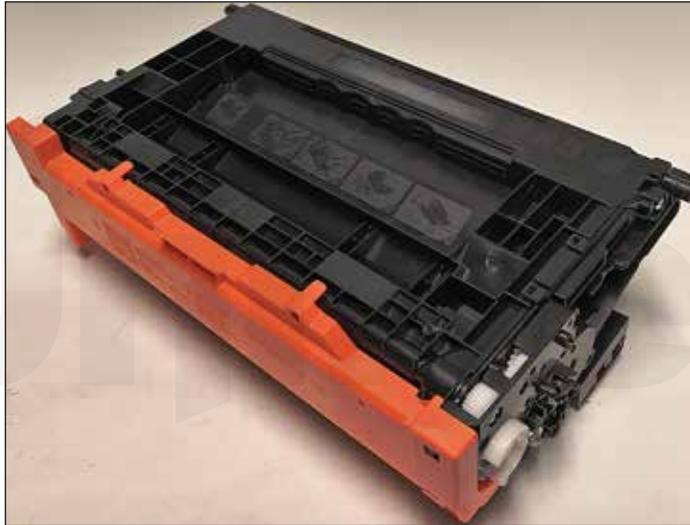


38. On the supply chamber, remove the chip by prying the locking tab back slightly.



39. Remove and replace the chip.

Make sure you have the correct yield chip for the cartridge!



40. Install the drum cover.