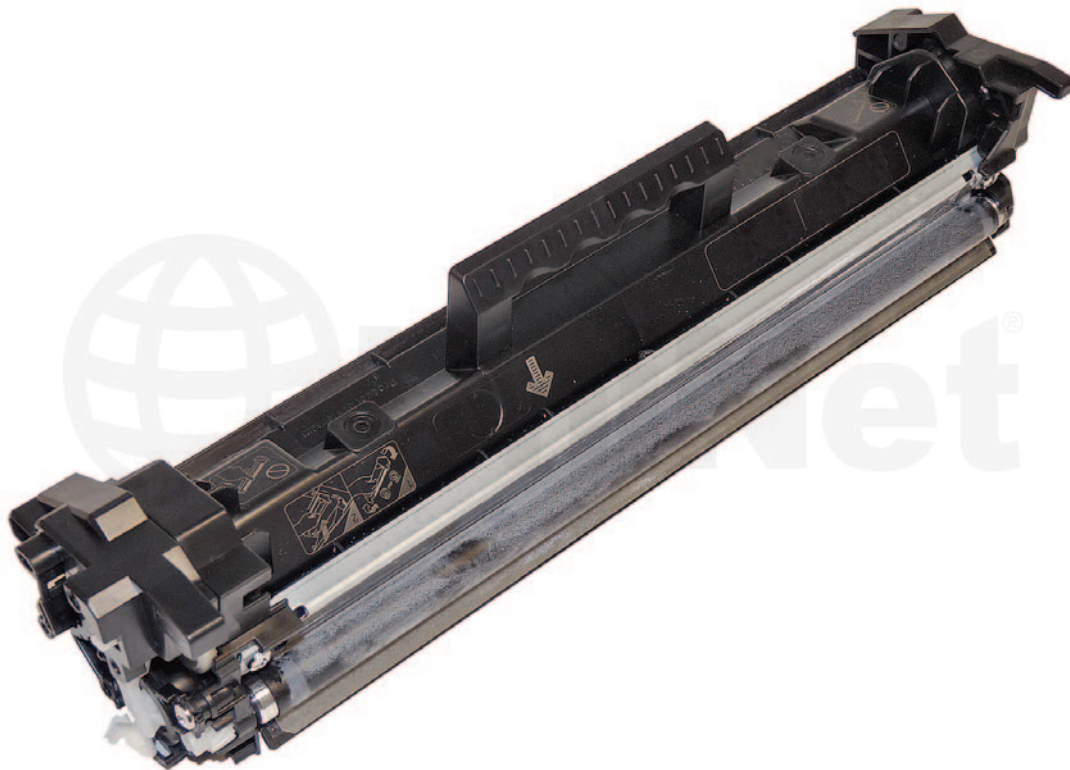


HP® LASERJET PRO M102 (CF217A)

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



HP CF217A TONER CARTRIDGE

REMANUFACTURING THE HP LASERJET PRO M102 (CF217A) TONER CARTRIDGE

By Mike Josiah and the Technical Staff at UniNet

The HP LaserJet PRO M102 series of printers is based on a monochrome 23ppm, 600 DPI engine (1200 DPI with HP Fast Res). The first page out is stated to be under 7.3 seconds, and all "W" models so far come with Wi-Fi, Apple AirPrint, HP ePrint, and Google Cloud Print 2.0 built in.

All machines released so far come standard with 128Mb memory and have a duty cycle of 10,000 pages per month.

This engine is a big change for HP Monochrome printers in that there are separate Toner and Drum cartridges. Typically HP/Canon have used "all-in-one" type cartridges for monochrome printers. Both the toner and drum cartridges are small and not rated for many pages so even though this is sold as a low volume machine, we believe there will be a decent demand for the cartridges. The toner is already listed as the number one new release on Amazon. The cartridges are simple and fast to remanufacture.

This series of machines has features for the user to set, called "Cartridge Policy" and "Cartridge Protection." Cartridge Policy when enabled will only allow genuine HP cartridges to be used. Cartridge Protection locks a cartridge to a specific printer so it cannot be used in another. Both of these features are off by default.

There are two cartridges in this engine: the toner (CF217A), and the drum cartridge (CF219A). The toner is rated for 1,600 pages, and the drum unit is rated for 12,000 pages. The starter toner cartridge that comes with the printer is rated for 700 pages.

PRINTERS BASED ON THIS ENGINE*

HP LaserJet PRO M101

HP LaserJet PRO M102

HP LaserJet PRO MFP M130fn

HP LaserJet PRO MFP M130fw

CURRENT LIST PRICING FOR THE CARTRIDGES*

CF217A - USD\$62.99*

CF219A - USD\$69.99*

*In U.S. American Dollars, as of December 1, 2016

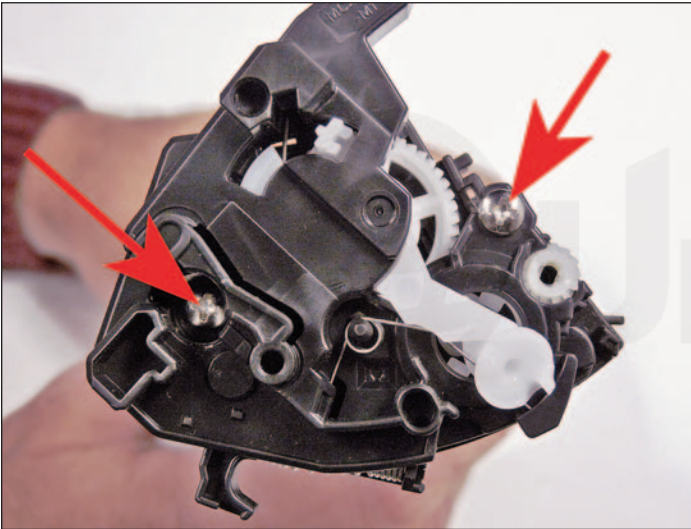
REQUIRED TOOLS

1. Toner approved vacuum
2. A small Common screwdriver
3. A Phillips head screwdriver

REQUIRED SUPPLIES

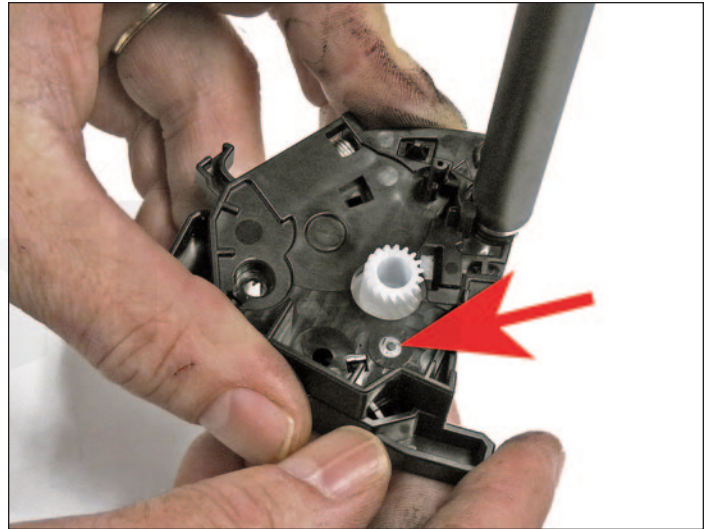
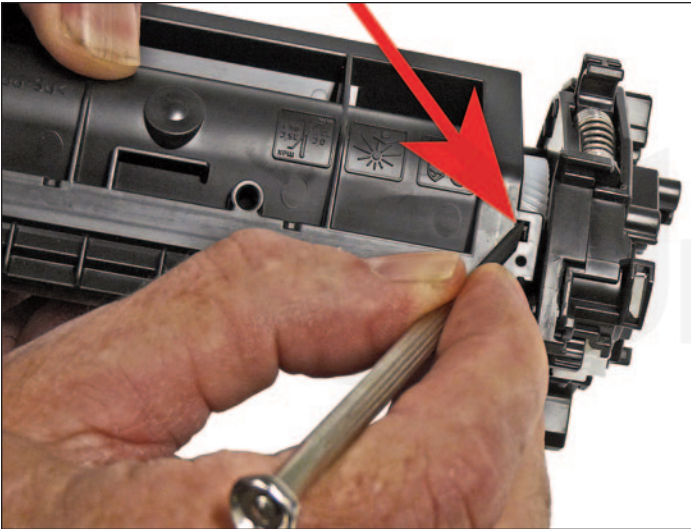
1. Replacement toner for use in the HP LaserJet Pro M102
2. Replacement chip
3. Replacement developer roller (optional)
4. Conductive grease





1. Place the cartridge with the handle facing up.

Remove the two screws on the right side end cap.



2. Press in on the bottom tab and carefully pry off the end cap. Work the end cap from multiple sides.

There is a plastic post that must snap before the end cap will come off.

NOTE: The magnetic roller assembly will come off with the end cap.

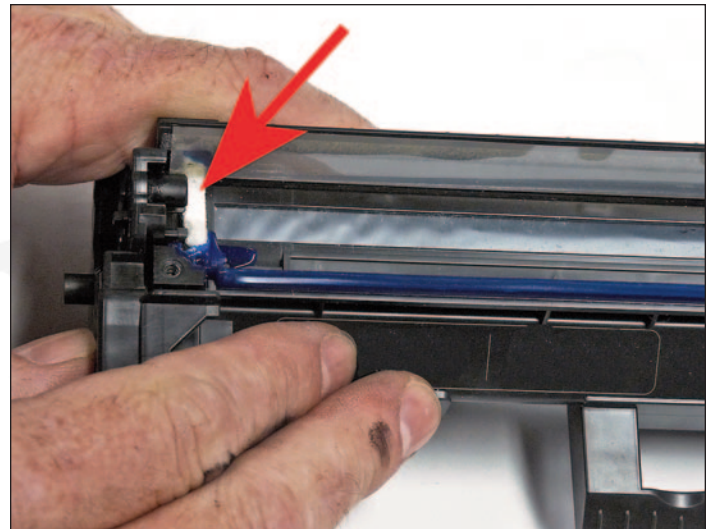


3. Remove the two doctor blade screws. Note that the right side screw has a left hand thread!

Keep this screw aside in a safe place so that upon re-assembly you know where it is.

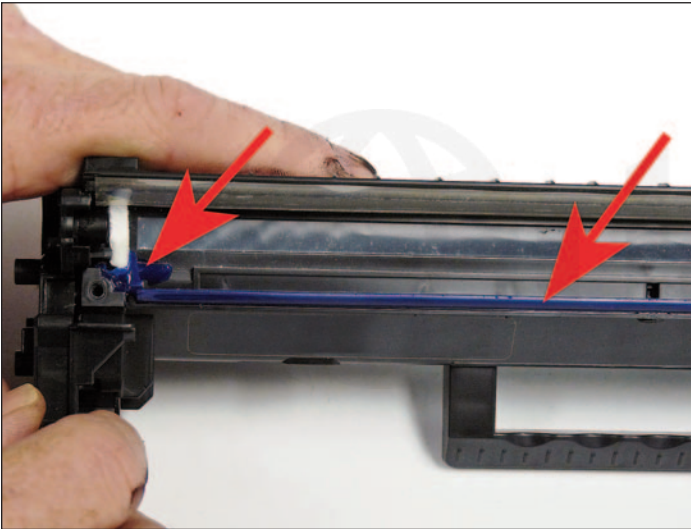


4. Remove the doctor blade.

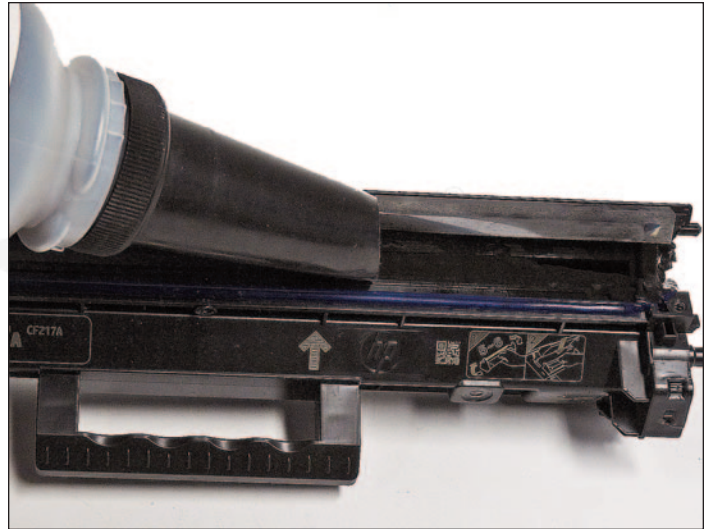


5. Clean out any remaining toner from the supply chamber.

Be careful to clean developer roller seals.



6. If any toner got onto the blue doctor blade seal, clean it with isopropyl alcohol and a foam swab. We do not recommend using a cotton type swab as they can leave threads of cotton behind which can cause a leak.



7. Fill the cartridge with toner approved for use in the HP LaserJet Pro M102 series of printers.

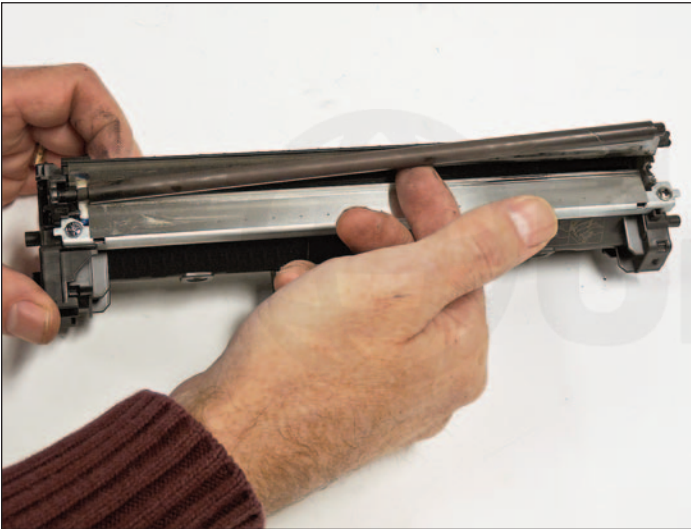


8. Install the doctor blade and two screws.

Remember that the right side screw has a left hand thread.

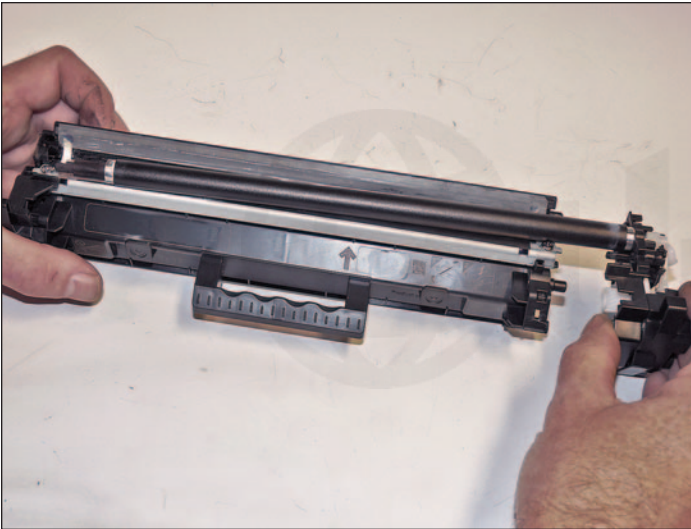


9. Remove the magnet from inside the magnetic roller sleeve.



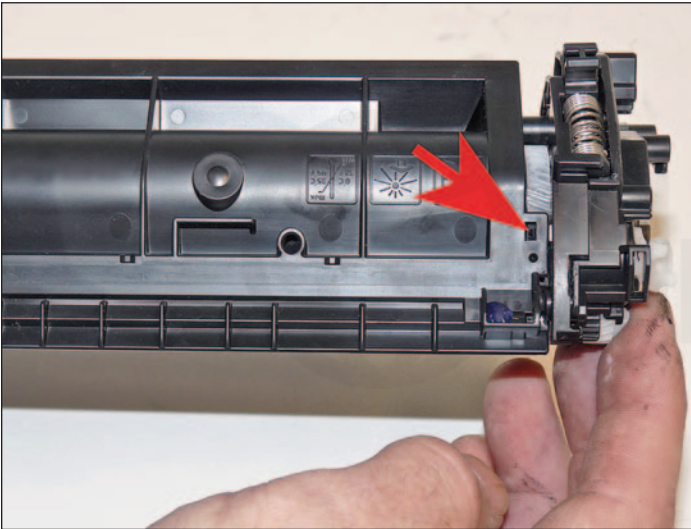
10. Insert the magnet into the slotted bushing on the left side of the cartridge.

11. Clean the magnetic roller sleeve with a dedicated magnetic roller cleaner.

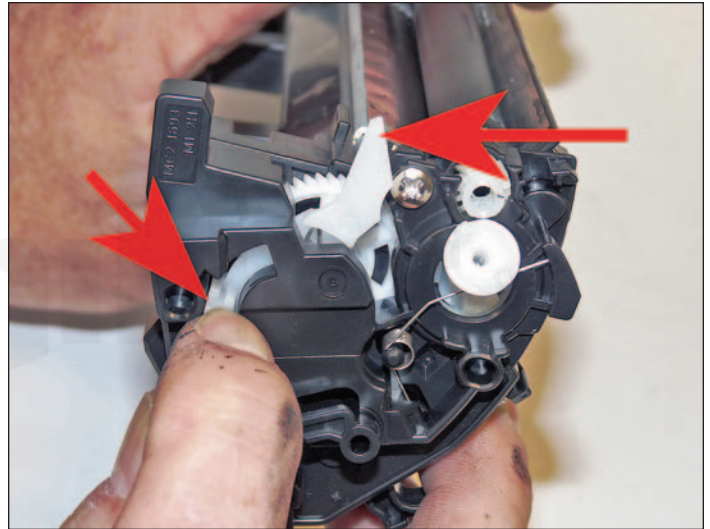
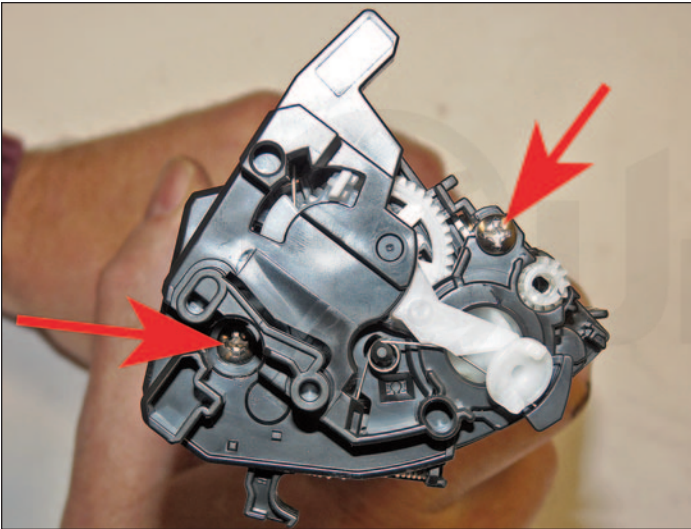


12. Slide the sleeve over the magnet and press the end cap in place.

Make sure the bottom tab snaps in place.



13. Install the two screws in the end cap. Make sure the bottom screw fits into the post. It's easy to have the end cap slightly misaligned and miss the post.



14. Check to make sure the two spring-loaded arms move freely.



15. Replace the chip by pressing down on the locking tabs and sliding the chip out.

PRINTER TROUBLESHOOTING LIGHTS

There are three lights on the printer: the **Wireless**, **Attention**, and **Ready**. Whenever any of them blink, a message will show on the PC screen describing the problem.

The attention light has quite a few different reasons it may blink, thus the message screen on the PC. In the past some machines had specific blink speeds or patterns to give an indication of the problem. These machine lights blink at one speed. As they always will have a detailed message on the screen, there is no need to list them here.