

XEROX® WORKCENTRE 4150

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



XEROX® WORKCENTRE 4150 TONER CARTRIDGE

REMANUFACTURING THE XEROX WORKCENTRE 4150 TONER CARTRIDGES

By Mike Josiah and the Technical Staff at UniNet

First released in September 2008, the Xerox WorkCentre 4150 is a 45 ppm fax engine that runs at 1200 dpi. The Xerox toner cartridge #006R01275 is rated for 20,000 pages, and has a list price of \$124.99 USD. There is a separate toner and drum cartridge used in these machines. The drum unit part #013R00623 is rated for 55,000 pages and will be covered in separate instructions. A new machine ships with a starter cartridge which only has a 10,000 page yield.

The toner cartridges are regional. The #006R01275 is made to work in the US, Europe, Australia, and New Zealand. Part #006R01276 is made to work in Latin America, Asia, India and Africa. Chips for both regions are available. The chips on these cartridges need to be replaced each cycle.

There are two versions of these cartridges: the old and new style. The difference is basically the location of the fill plug and a slightly different internal gear train. The instructions have been split to keep things clearer.

These are extremely easy cartridges to do. They are fast, and really don't need to be tested as there is nothing to wear out. All the normal wear parts like the PCR, developer roller, etc. are in the drum unit. These cartridges are just a supply hopper with a waste chamber.

Cartridge troubleshooting/information are covered at the end of this article.

CURRENT MACHINES BASED ON THE WC 4150 ENGINE

Xerox WorkCentre 4150
Xerox WorkCentre 4150s
Xerox WorkCentre 4150x
Xerox WorkCentre 4150xf

SUPPLIES REQUIRED

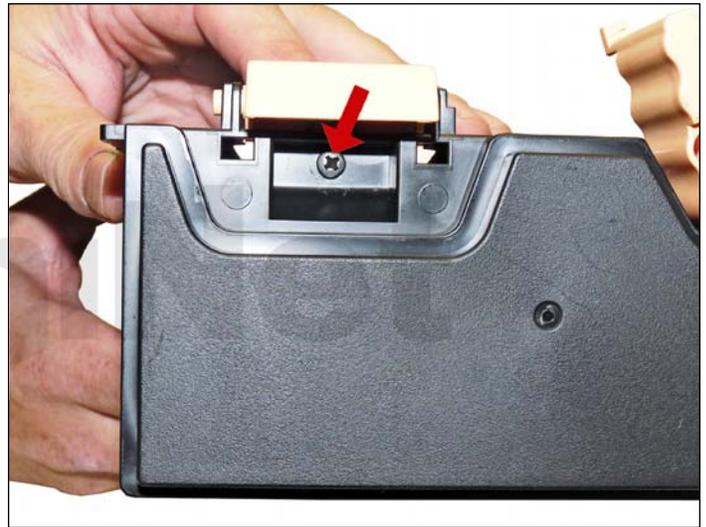
1. 560g dedicated WC 4150 toner
2. Replacement chip

TOOLS REQUIRED

1. Phillips head screwdriver
2. Small common screwdriver
3. Spring hook
4. Vacuum approved for toner



1. Remove the two screws located on the waste chamber.



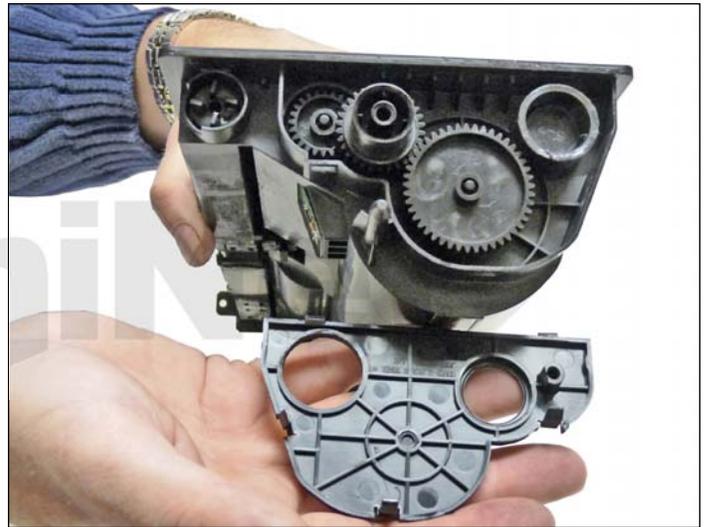
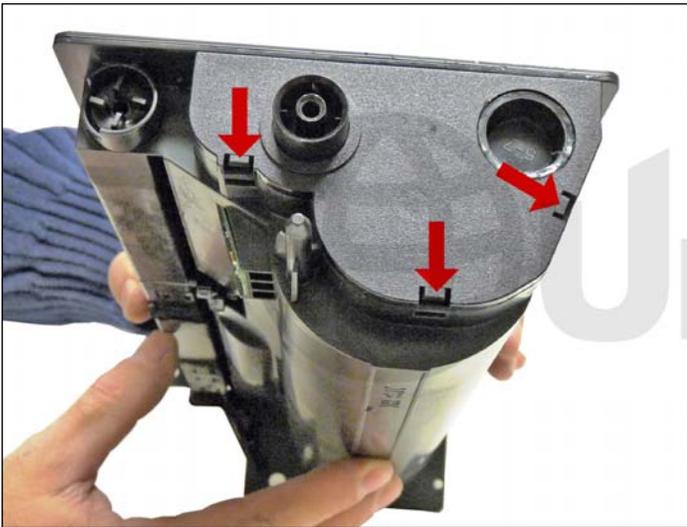
2. Remove the screw located under the colored plastic handle.

There are two different style cartridges for the purpose of these instructions. We will call them the old and new styles. The old style does not have two loose gears under the waste chamber, and the fill plug is located on the opposite side of the cartridge. The new style has the loose gears and the fill plug is located on the same side as the waste chamber. I have broken the instructions up into old and new styles.

OLD STYLE

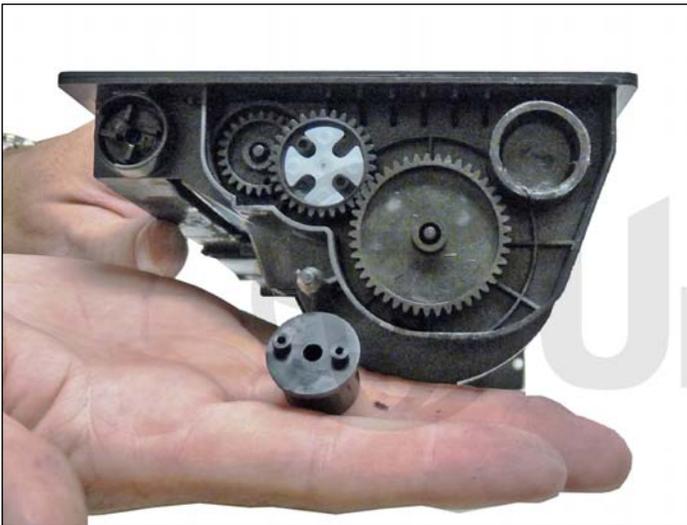


3. Remove the waste chamber. Slide the cover open and vacuum/blow the waste chamber clean.

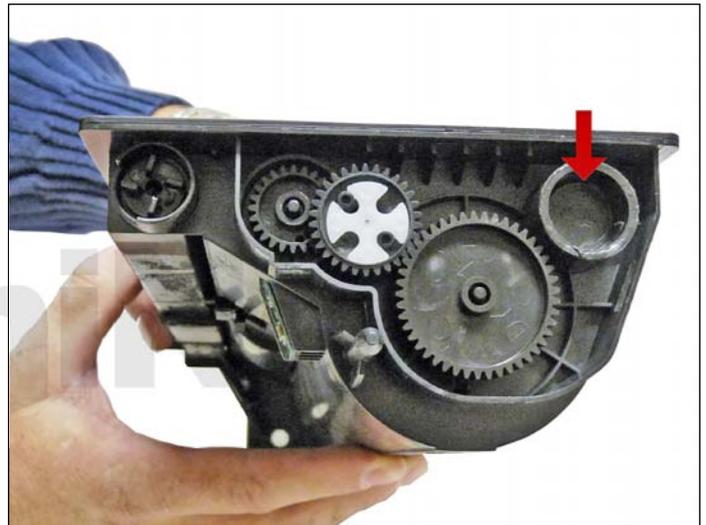


4. On the opposite side of the cartridge there is a cover held in place by three plastic tabs.

Press in on the tabs and remove the cover.



5. Remove the large drive gear.



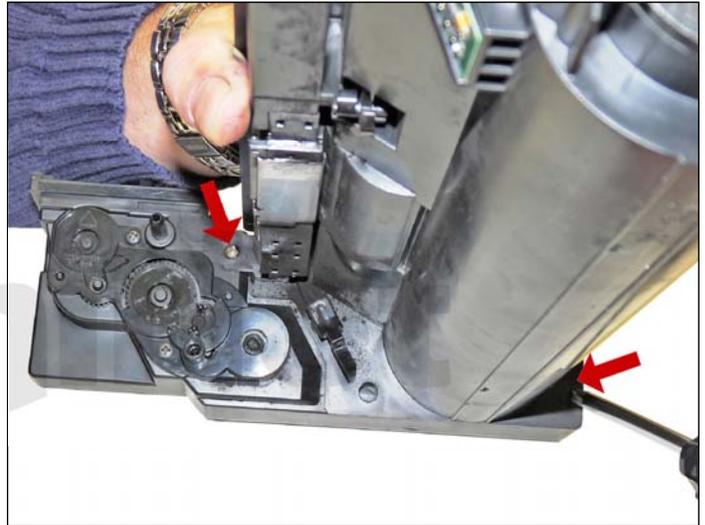
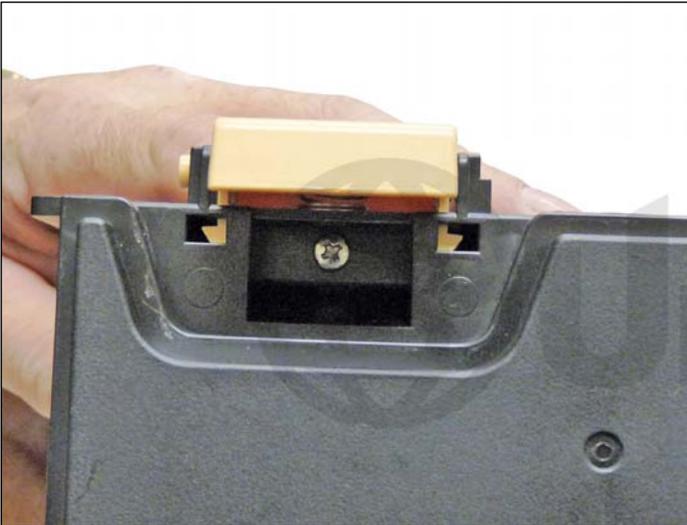
6. Remove the toner fill plug. Dump the bulk of the remaining toner out of the cartridge. Vacuum/blow out the toner supply chamber clean. It is not necessary to get the cartridge completely clean now, as the developer roller needs to come out so the doctor blade can be cleaned. You will have easy access to clean out the hopper then.



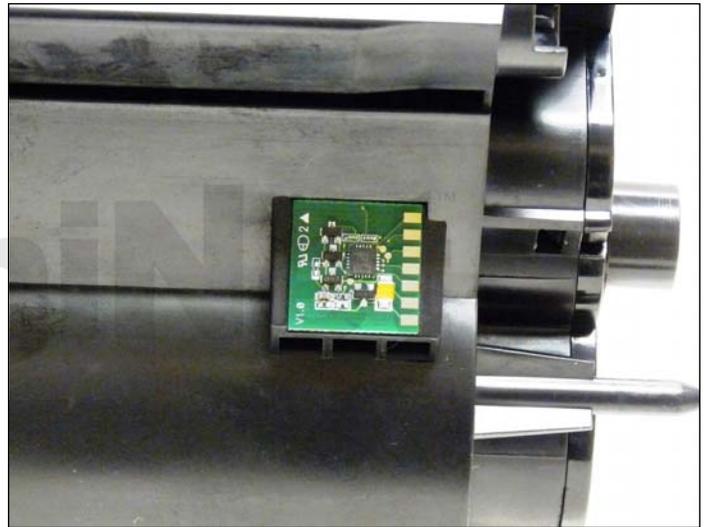
7. Fill the cartridge with 4150 toner. Replace the fill plug.



8. Angle the top tabs in first and snap the cover back in place.



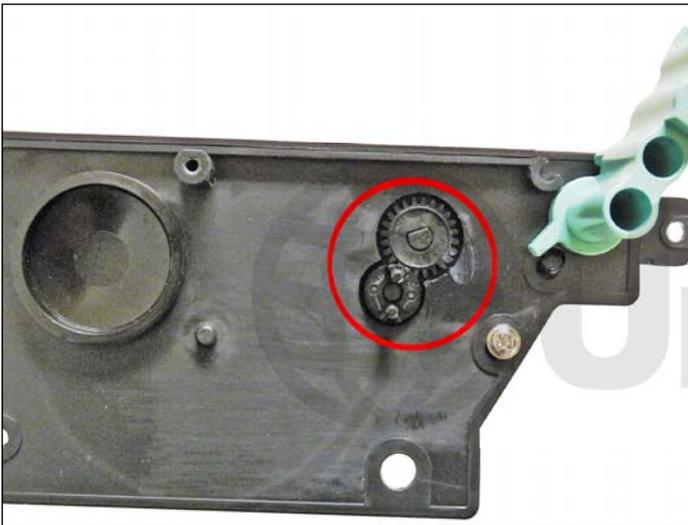
9. Install the waste chamber and three screws.



10. Replace the chip on the cartridge. Note that the OEM chip is an RF type chip built on a flexible label.

The aftermarket is also an RF type but is built on a solid board. Though physically different from the OEM, it works just fine.

NEW STYLE



11. Remove the waste chamber. There are two small gears that will come loose.

Be careful not to lose them. Slide the cover open and vacuum/blow the waste chamber clean.



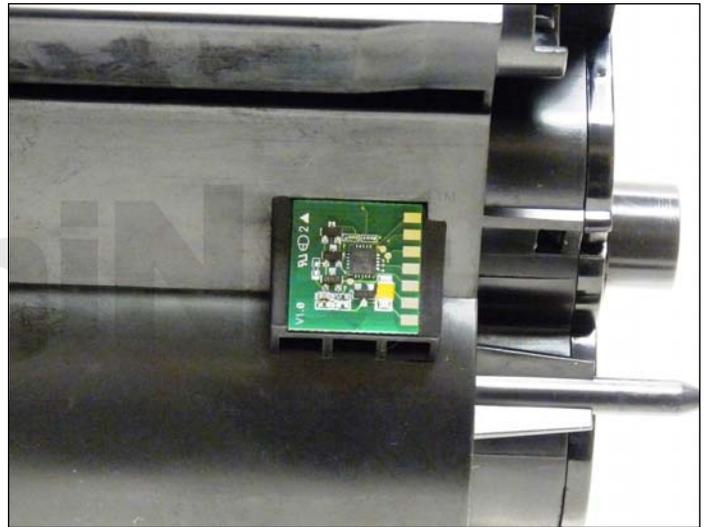
12. Remove the toner fill plug. Dump the bulk of the remaining toner out of the cartridge. Vacuum/blow out the toner supply chamber clean.



13. Fill the cartridge with 4150 toner. Replace the fill plug.



14. Install the two gears on the hopper. Install the waste chamber and three screws.



15. Replace the chip on the cartridge. Note that the OEM chip is an RF type chip built on a flexible label.

The aftermarket is also an RF type but is built on a solid board. Though physically different from the OEM, it works just fine!

CARTRIDGE TROUBLESHOOTING

There is really not much that can go wrong with these cartridges.

From our experience, it is a safe bet that most of the problems will come from the drum unit.

DEFECT CHART

PCR	38mm
Developer roller	44mm
Transfer roller	57mm
OPC Drum	94mm
Upper Fuser roller	126mm
Lower Pressure roller	155mm