

XEROX® WORKCENTRE 3550

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



XEROX® WORKCENTRE 3550 TONER CARTRIDGE

REMANUFACTURING THE XEROX WORKCENTRE 3550 TONER CARTRIDGE

By Mike Josiah and the Technical Staff at UniNet



First released in September 2010, the Xerox WorkCentre 3550 printers are based on a 35ppm, 1200dpi engine. The first page out is rated at under 9 seconds, and the monthly duty cycle is up to 75,000 pages. All models released so far are multifunction, in that they are print, copy, scan, fax, duplex and email capable.

These cartridges do not have a drum cover, and come new with a piece of heavy paper with foam glued to it taped around the cartridge.

There are both low yield (5,000 pages) and high yield (11,000 pages) cartridges available. Each version of cartridge has its own specific chip, but the cartridges themselves are identical. These are nice easy cartridges to remanufacture and have a nice profit margin as well.

CARTRIDGES USED IN THESE MACHINES

Low Yield:	106R01528 (5,000 pages, USA)	Price: \$129.99USD*
	106R01529 (5,000 pages Europe)	
High Yield:	106R01530 (11,000 pages USA)	Price: \$199.99USD*
	106R01531 (11,000 pages Europe)	

*Prices (in U.S. American Dollars) current as of August 2011.

PRINTERS IN THIS SERIES SO FAR

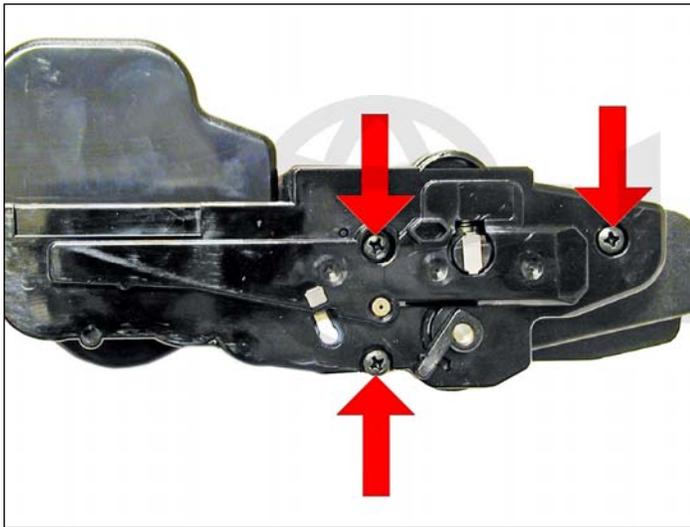
Xerox WorkCentre 3550
Xerox WorkCentre 3550/X

REQUIRED TOOLS

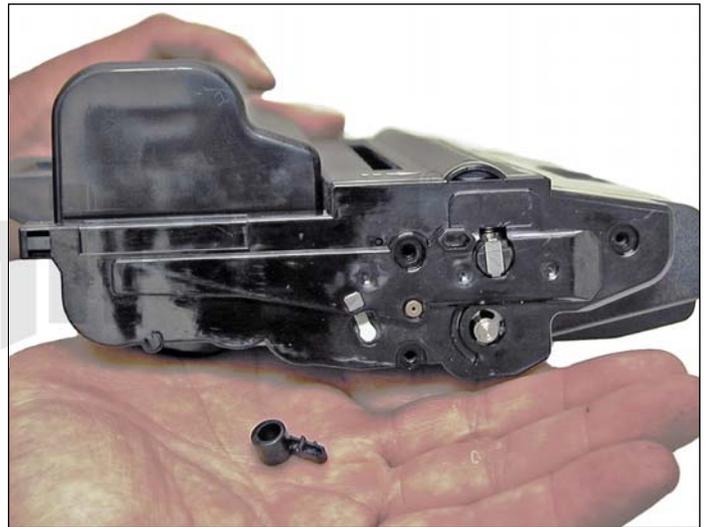
1. Toner approved vacuum
2. A small Common screw driver
3. A Phillips head screwdriver
4. Needle nose pliers

REQUIRED SUPPLIES

1. Toner (145 grams low yield or 265 grams high yield) for use in Xerox WorkCentre 3550
2. Replacement chip (low yield or high yield)
3. Replacement wiper blade
4. Replacement developer roller
5. Replacement PCR
6. Conductive grease
7. Drum lubricating powder



1. Place the cartridge with the handle/supply chamber facing you. Remove the three screws on the right end cap.

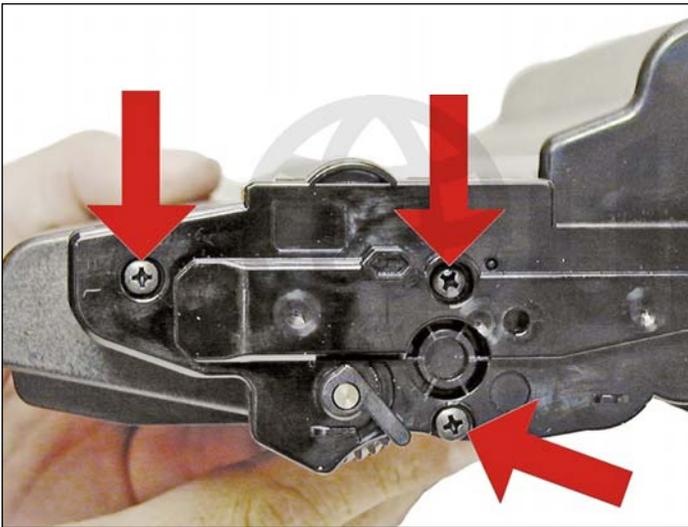


2. Gently pry off plastic drum axle bushing. Keep this bushing with the appropriate end cap when removed. Each side is different.



3. On the top edge of the end cap, there is a plastic tab.

Press in on the tab and remove the right end cap.



4. On the opposite side of the cartridge, remove the three screws on the left end cap.

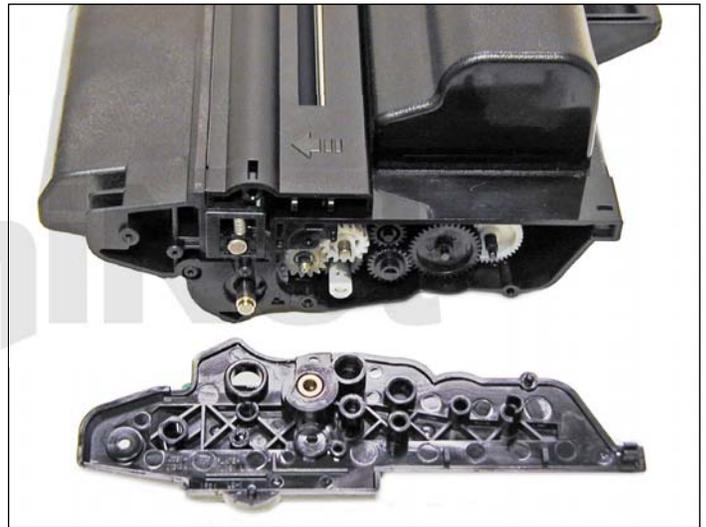


5. Gently pry off plastic drum axle bushing. Keep this bushing with the appropriate end cap when removed.



6. On the top edge of the end cap, there is a plastic tab.

Press in on the tab and remove the left end cap.

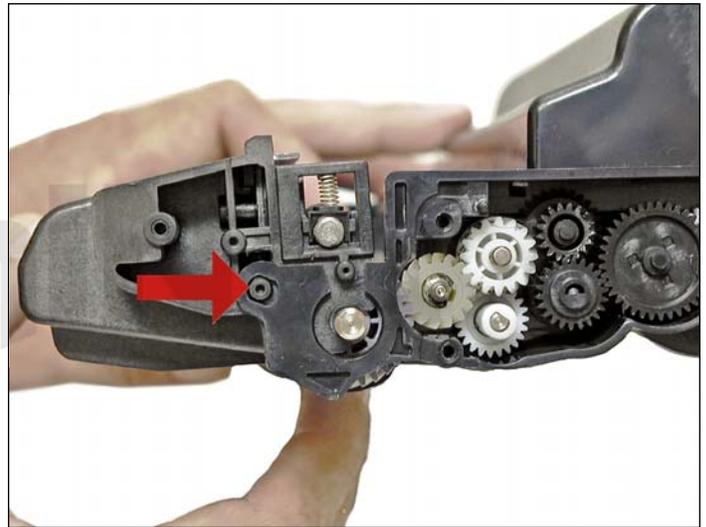




7. Lift off the roller cover.

There is a PCR cleaning roller attached to the cover.

Vacuum this roller clean.



8. Carefully pry up the side plastic tab to release the waste chamber.



9. Remove the waste chamber.

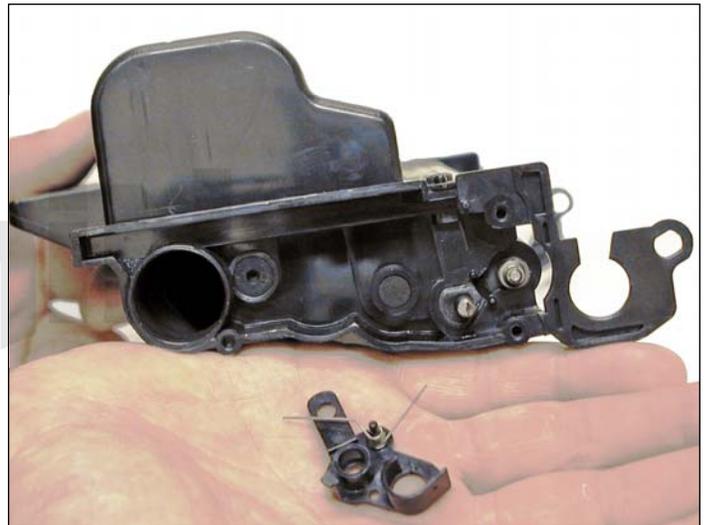


10. On the supply hopper, remove the fill plug and dump out any remaining toner.



11. Remove the developer roller drive gear; and place a strip of tape across the remaining gears.

They do not need to be removed, and the tape will help keep them in place.



12. On the fill plug side, press in on the plastic tab and remove the spring/plastic bushing assembly.



13. Remove the developer roller.



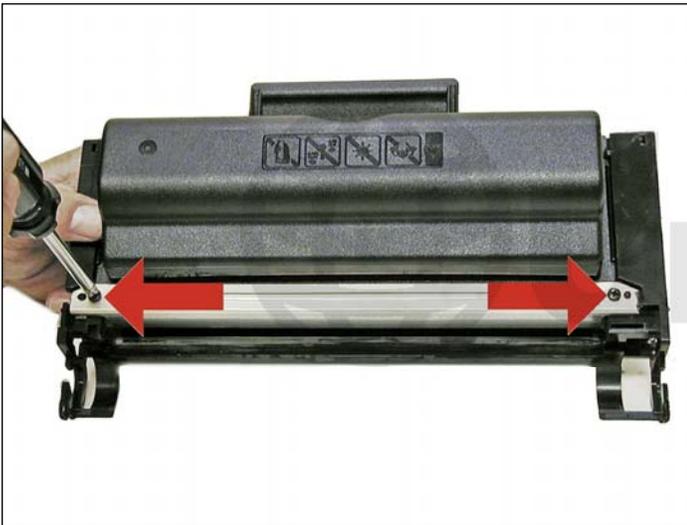
14. Remove the two screws on the doctor blade.



15. Carefully pry up the doctor blade. This blade has a very tight fit, so work it off carefully. Clean out any remaining toner from the hopper.



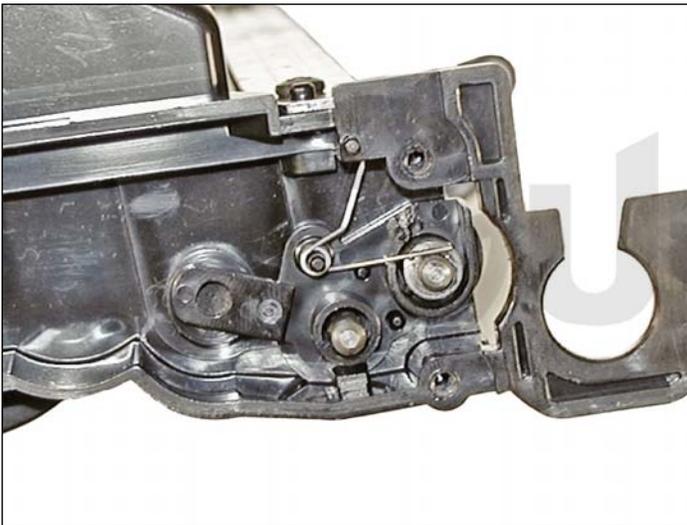
16. Clean the doctor blade and foam seals.



17. Replace the doctor blade and two screws.



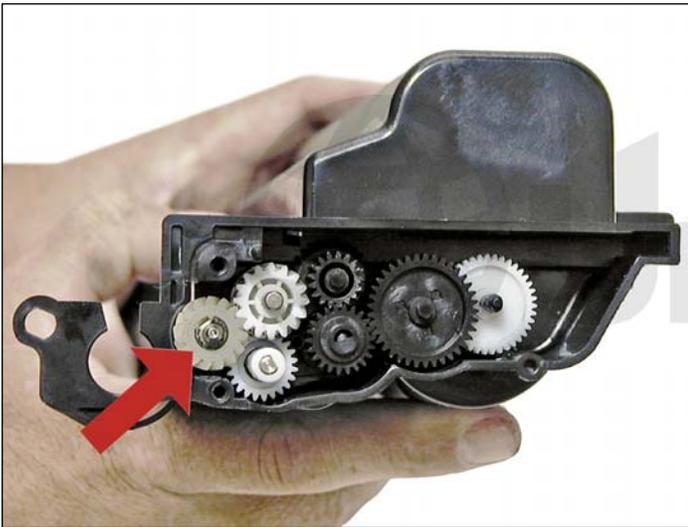
18. Clean and install the developer roller, long shaft side to gear side first.



19. Snap the spring/plastic bushing assembly in place.

Make sure the tail of the spring is set properly.





20. Install the drive gear on the developer roller.



21. Fill the hopper with 135g or 290g of toner for use in Xerox WorkCentre 3550. Check for leaks.



22. On the waste hopper, remove the E-ring from the drum axle.



23. Slide the drum axle out from the side opposite the E-ring.



24. Remove the OPC drum.



25. Slide the PCR to the non-contact side.

Remove the PCR.



26. Remove the two screws and the wiper blade.

Clean out all the toner from the hopper.

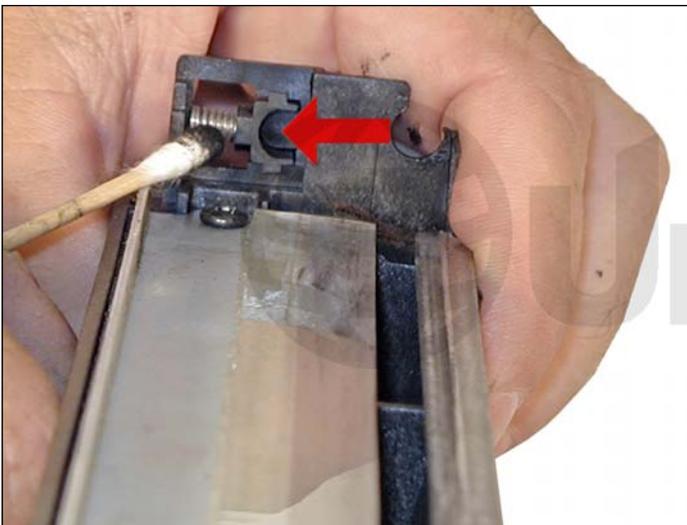


27. It is interesting to note that on new cartridges, some toner is in the waste hopper. Apparently these cartridges are being tested before they are shipped, or the drum was lubricated with toner.

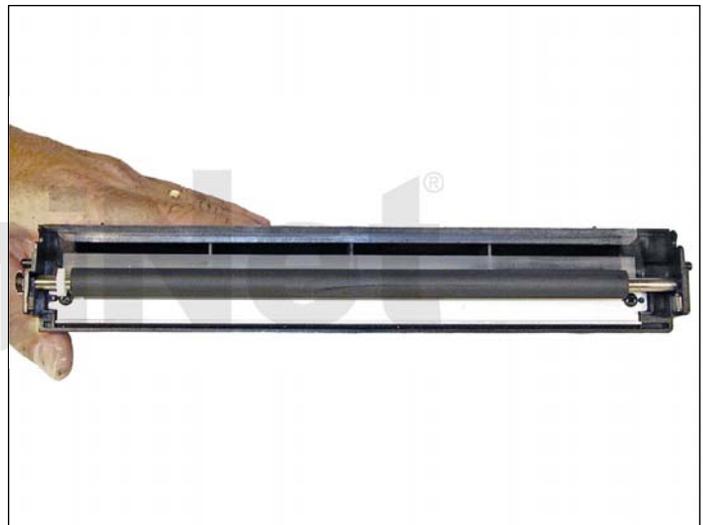
Coat the new wiper blade with your preferred lubricant. Install the new wiper blade and two screws. The tail of the wiper blade should face up.

Clean the PCR with your preferred PCR cleaner.

WARNING: Do not clean the OEM PCR with alcohol, as this will remove the conductive coating from the roller. If the PCR is an aftermarket, follow the cleaning methods recommended by the manufacturer. If the PCR is an OEM, we recommend it be cleaned with your standard (non-alcohol type) PCR cleaner.



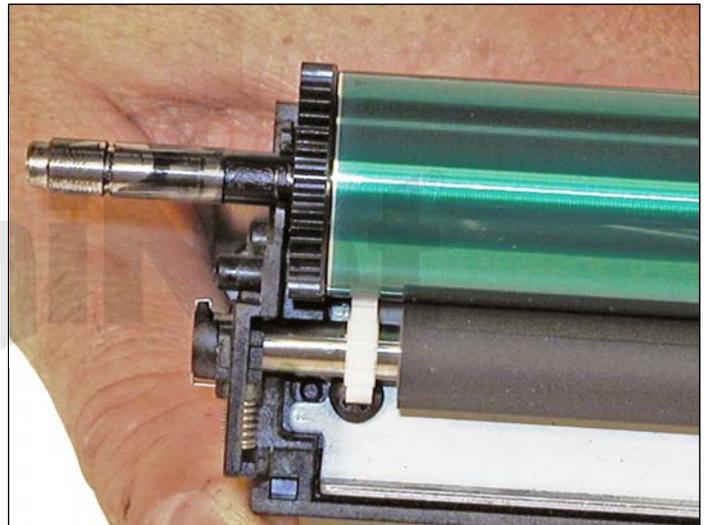
28. Clean the old conductive grease off the PCR shaft and contact. Replace with new.



29. Install the PCR by sliding the long shaft side through the non-contact side. Bring it back to fit into the contact side.

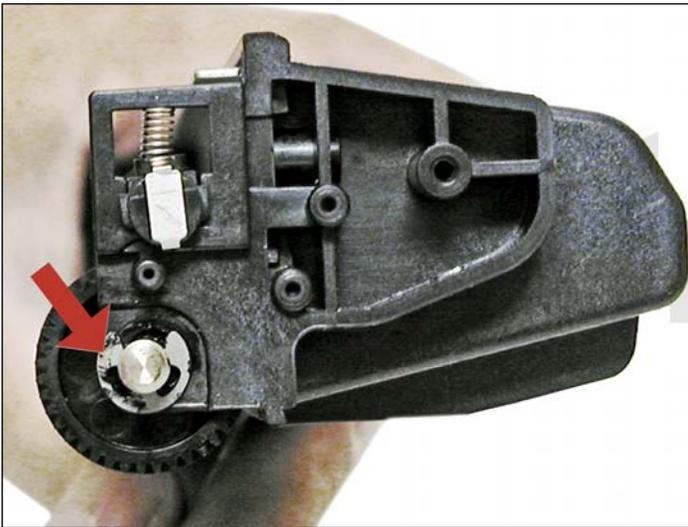


30. Coat the OPC drum with your preferred lubricant and install the drum.

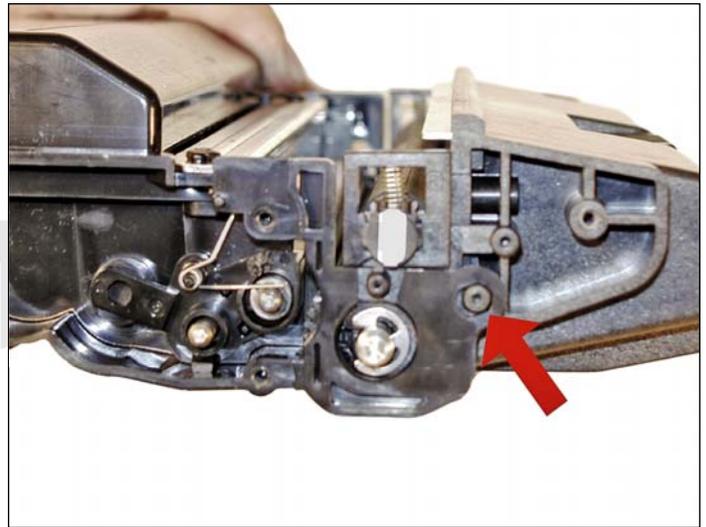


31. Install the drum axle, small drum gear side first.

Make sure that the E-ring groove ends up on the small drum gear side.



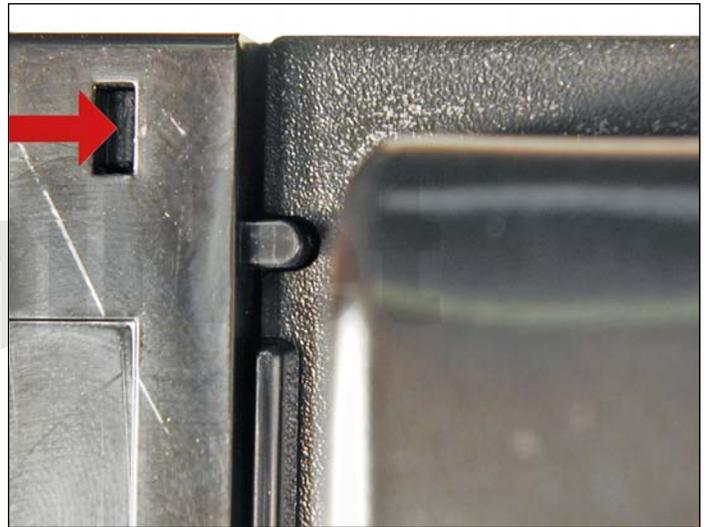
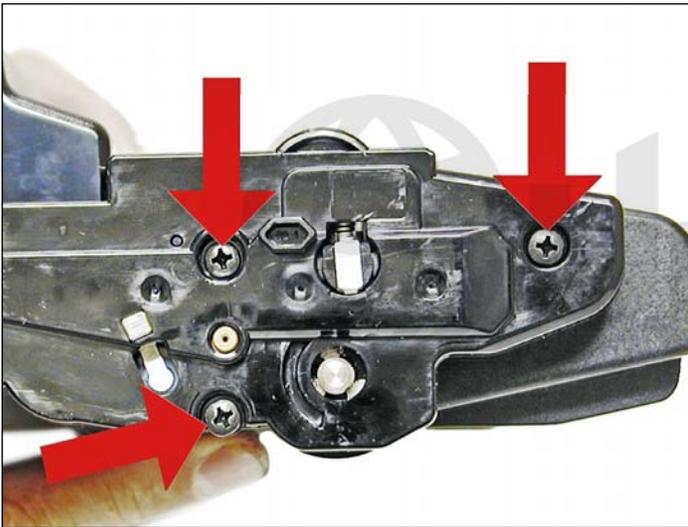
32. Install the E-ring.



33. Install the waste hopper on to the supply chamber.
Make sure that the tabs lock into place on the side wall.

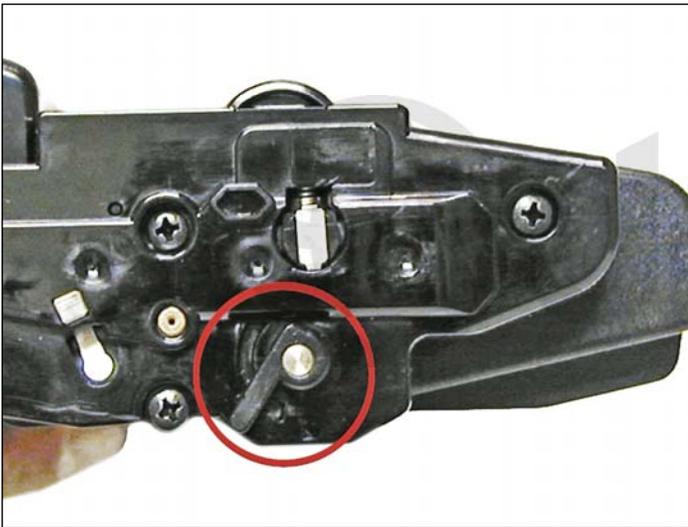


34. Install the cleaned PCR cleaning roller cover assembly.

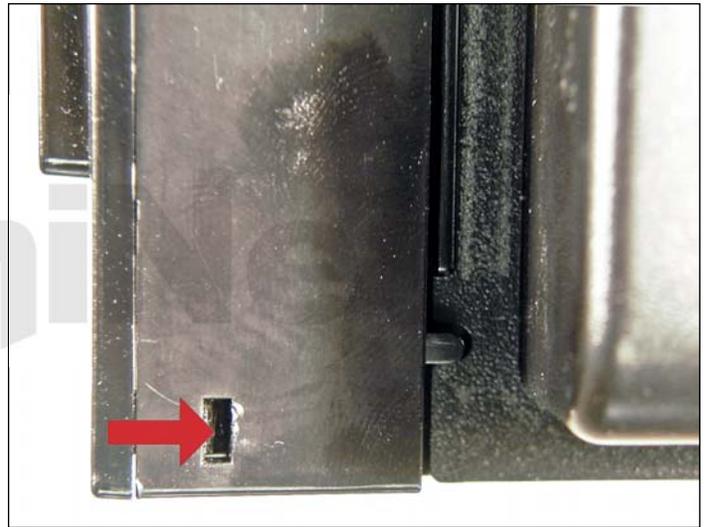
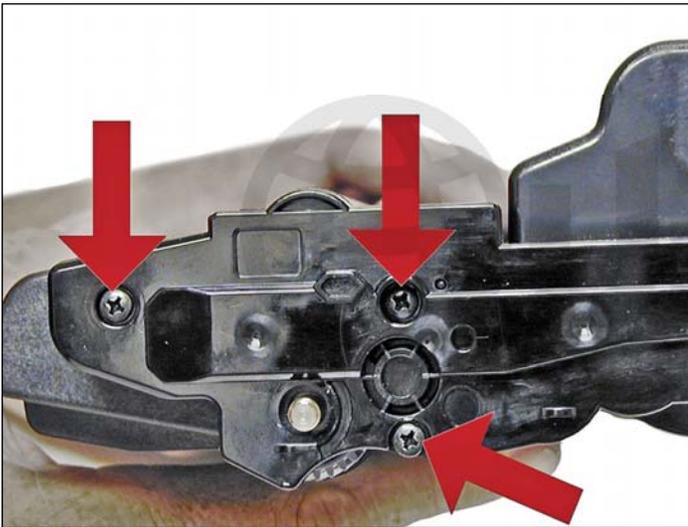


35. Install the right side end cap and three screws.

Make sure the top rear tab locks in place.

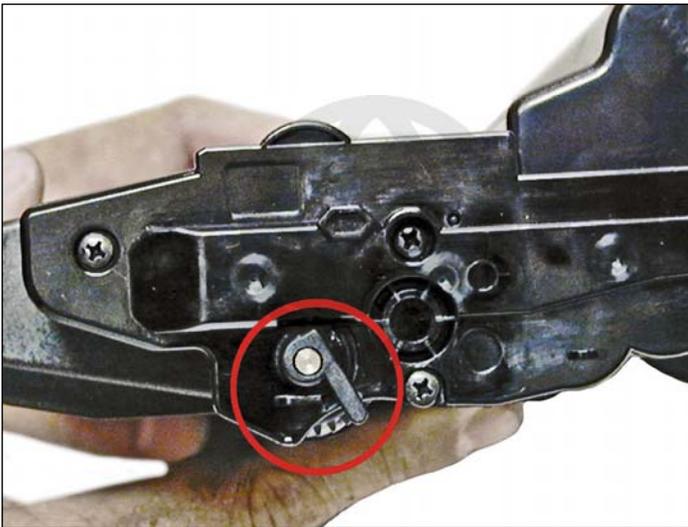


36. Press the drum axle bushing in place. Set it so the small tab is at the end of the groove; make sure it is fully seated. The two small bushings are different. Make sure you have the correct bushing for this side.



37. Remove the tape from the gears, and install the left side end cap and three screws.

Make sure the top rear tab locks in place.



38. Press the drum axle bushing in place. Set it so the small tab is at the end of the groove; make sure it is fully seated. The two small bushings are different. Make sure you have the correct bushing for this side.

NOTE: It is very important that both of the drum axle bushings are set in the correct orientation. These bushings could actually be called separators in that when set in the “new” position as described above separate the developer roller from the drum just a bit helping to prevent flat spots on the developer roller.



39. The chip is held in place by plastic rivets. It must be replaced for the cartridge to work. It can be replaced by cutting the plastic rivets, drilling two holes, and setting two self-tapping screws in place.

PRINTING TEST PAGES

As these machines are copiers, the easiest way is to just make a copy of a suitable test page.

REPETITIVE DEFECT CHART

OPC drum:	75.5 mm
Supply roller:	44.9 mm
PCR:	37.7 mm
Developer roller:	35.2 mm