XEROX® PHASER 6120N

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS

XEROX PHASER 6120N TONER CARTRIDGE

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REMANUFACTURING THE XEROX PHASER 6120N TONER CARTRIDGES

By Mike Josiah and the Technical Staff at UniNet

The Phaser 6120 series of machines are based on a 20ppm black, and 5ppm color print engine. The 6120 series has a resolution of 600 x 600 dpi (2400 dpi enhanced) and runs on a 300Mhz processor. The base memory is 128Mb, but can be expanded to 640Mb.

One interesting note with these machines is there is a humidity/temperature sensor that feeds information to the main printed circuit board (PCB). This information is used to help determine what the DC bias voltages should be for optimum printing and also assists the fusing temperature control.

There are high yield cartridges as well as low yield cartridges available. In addition to the toner cartridges, there is also a separate drum unit as well as a waste box. These are very easy cartridges to remanufacture, and as you can see, quite profitable:

113R00692 Black	**HY**	**4,500 pages at 5%**		**$114.99 List***
113R00693 Cyan	**HY**	**4,500 pages at 5%**		**$179.99 List***
113R00694 Yellow	**HY**	**4,500 pages at 5%**		**$179.99 List***
113R00695 Magenta	**HY**	**4,500 pages at 5%**		**$179.99 List***
113R00689 Cyan	**LY**	**1,500 pages at 5%**		**$84.99 List***
113R00690 Yellow	**LY**	**1,500 pages at 5%**		**$69.99 List***
113R00691 Magenta	**LY**	**1,500 pages at 5%**		**$69.99 List***
108R00691 Drum		**20,000 pages black**	**10,000 pages color**	**$195.99 List***

***Pricing on all cartridges is in U.S. American Dollars and is current as of May 2011.**

These machines are based on a carousel type color engine. The toner cartridges rotate in a carousel with one large drum unit used for all the colors. These cartridges use chips on the toner cartridges that must be replaced each cycle.

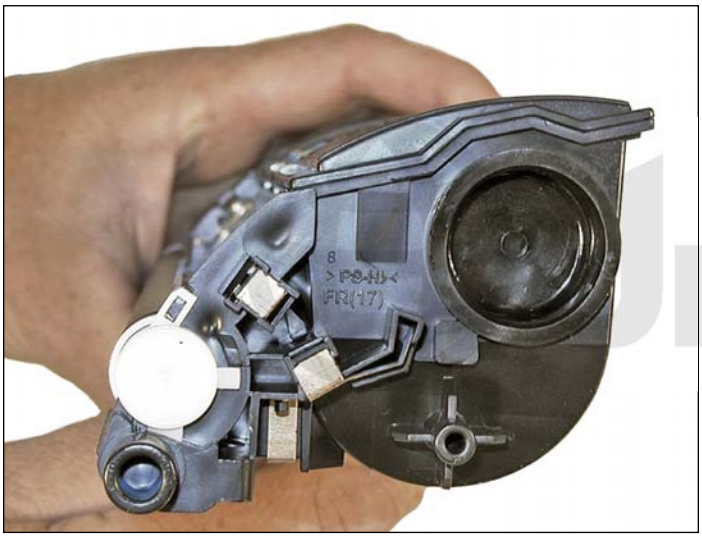
Taking test prints, cartridge troubleshooting as well as minor printer troubleshooting will be covered at the end of this article.

REQUIRED TOOLS

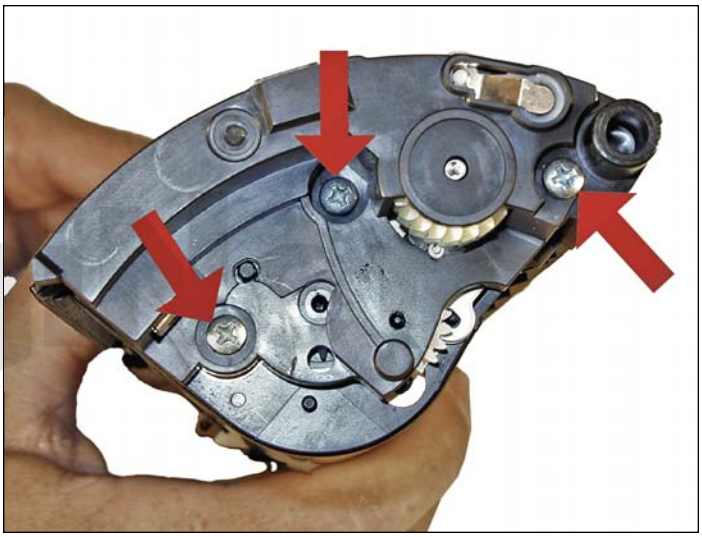
1. Toner approved vacuum, or toner approved dust collector system
2. A small screw driver (common style)
3. Phillips head screwdrivers
4. Needle lose pliers
5. Jewelers screwdriver set

SUPPLIES REQUIRED

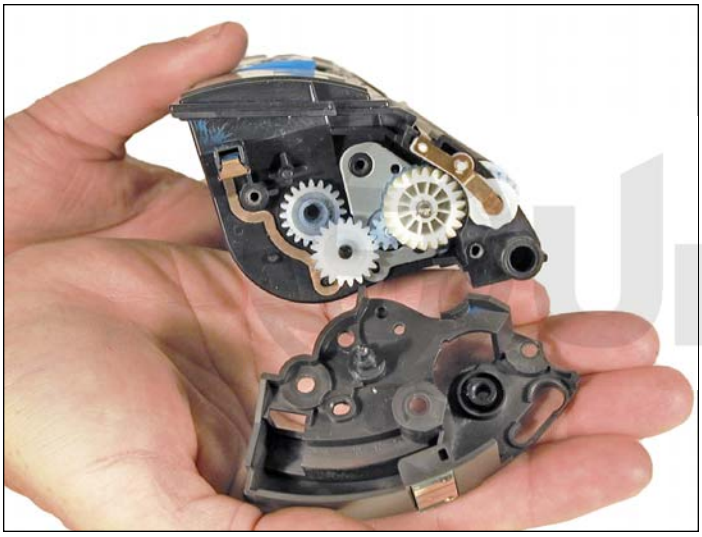
1. Dedicated color toner for use in Xerox Phaser 6120
2. Shipping cover
3. Lint-free cloths
4. Conductive grease



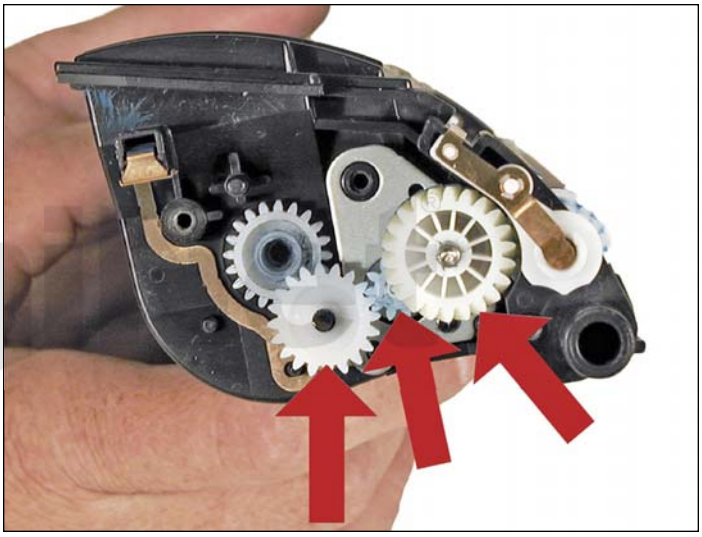
1. Remove the fill plug, and dump out any remaining toner.



2. On the gear side of the cartridge, remove the three silver screws from the end cap.



3. Remove the end cap.



4. Remove the larger drive gear and the two smaller gears next to it. Leave the mixing blade gear in place.

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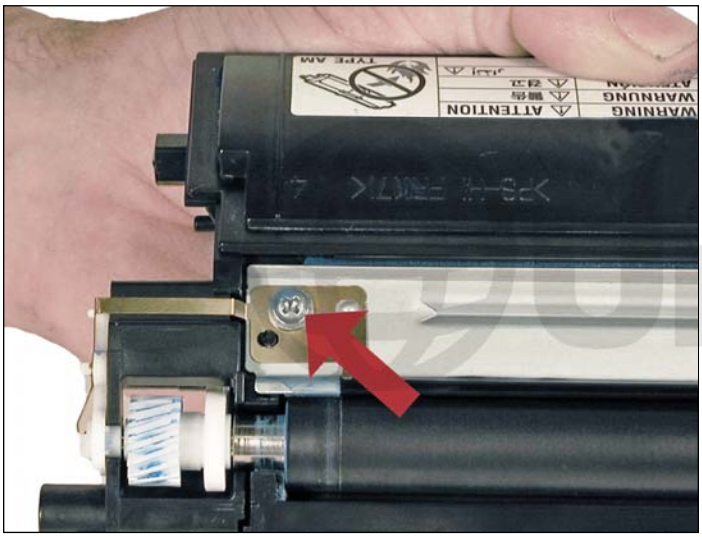
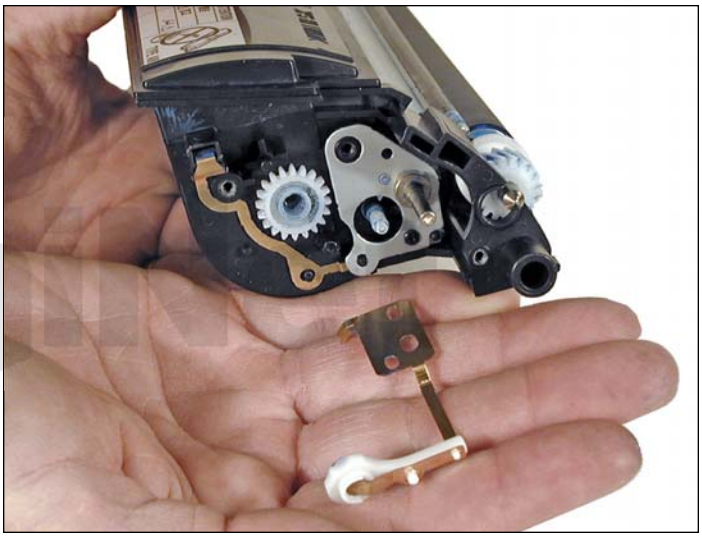
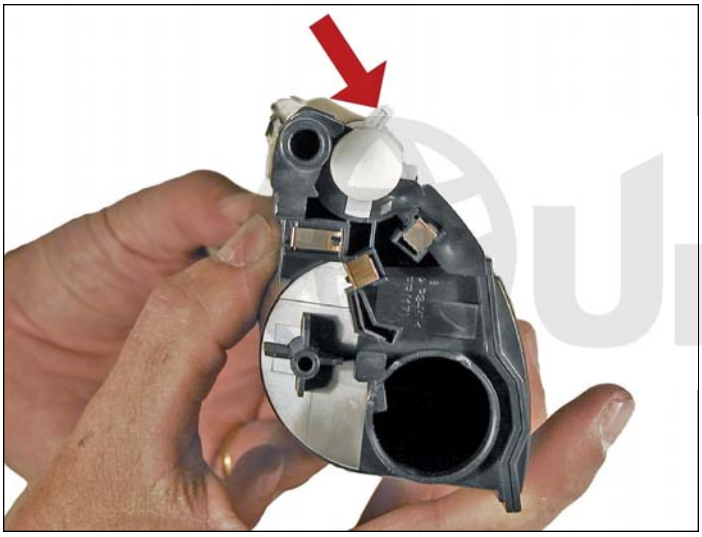


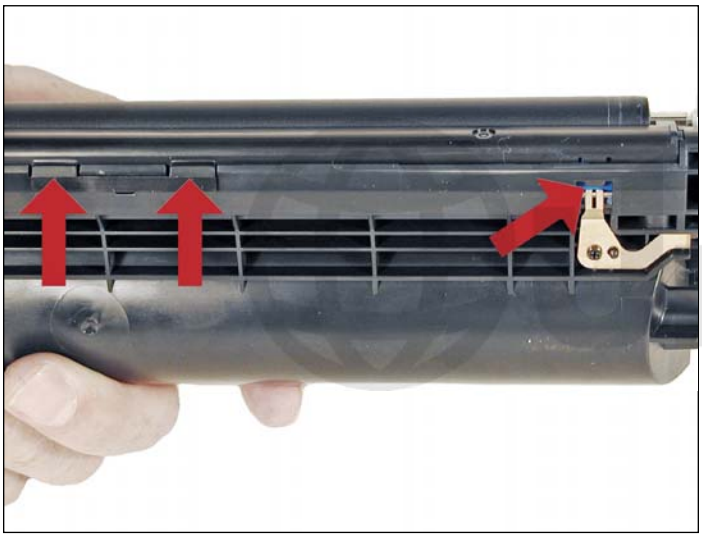
5. Remove the doctor blade contact screw.



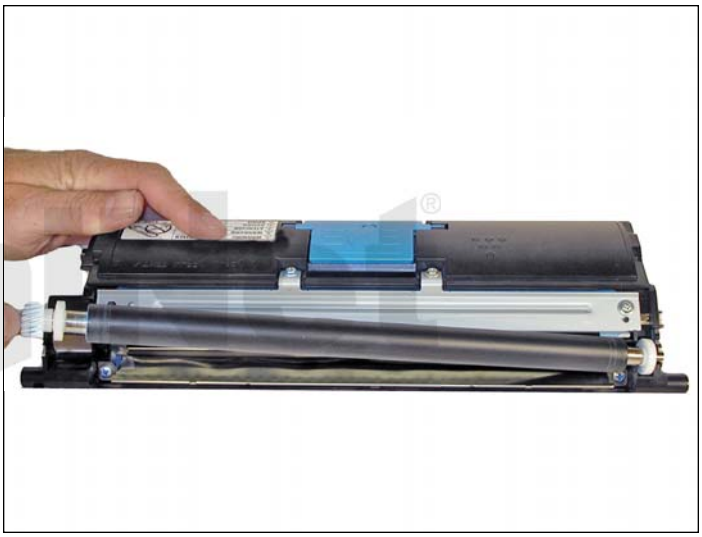
6. Remove the contact/bushing assembly.



7. Remove the white bushing from the non-gear side by prying up the center tab and rotating the bushing counter-clockwise until it stops. Pry the bushing off the developer roller shaft.



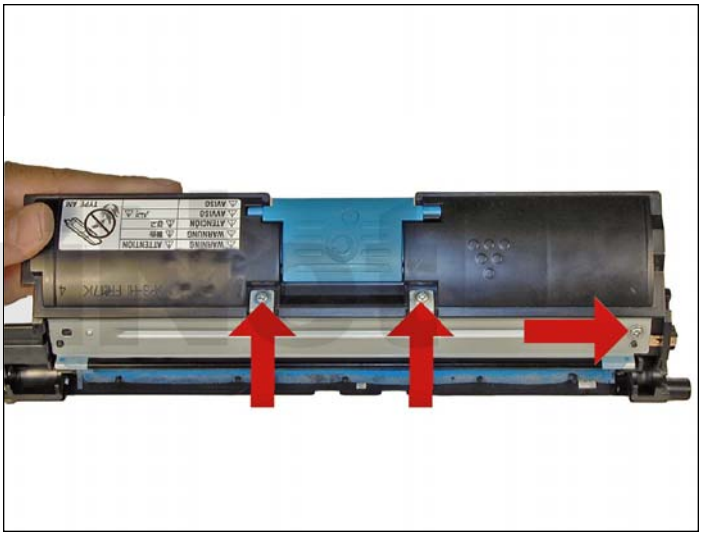
8. Remove the doctor blade cover by prying up the three tabs as indicated. Remove the cover.



9. Remove the developer roller and gears.

10. Remove the two screws from the doctor blade.

Remove the doctor blade.

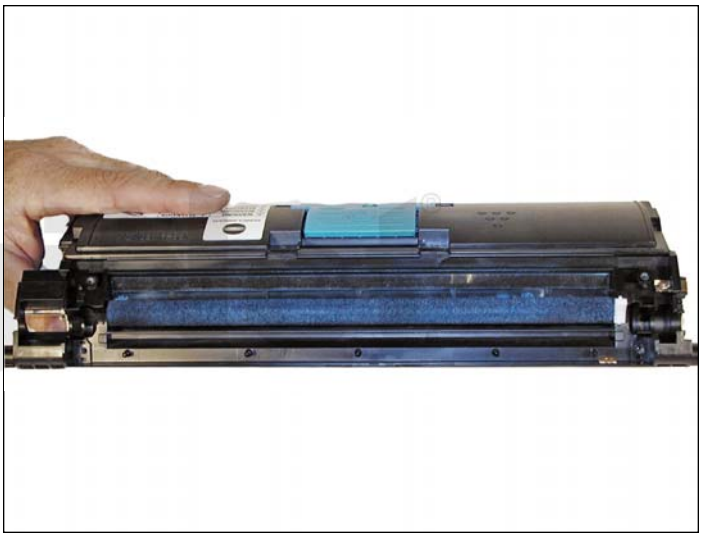


11. Remove the three screws on the sealing blade assembly.

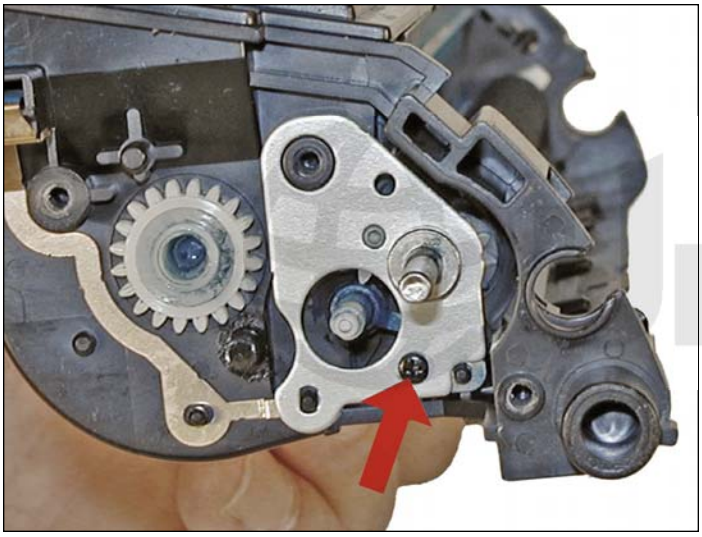
12. Pry up the sealing blade assembly and lift off.

The entire foam seal assembly will come off with it.

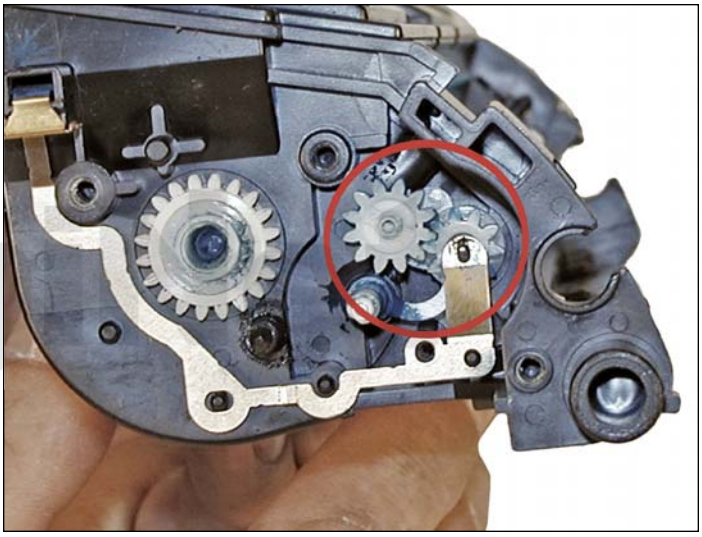
Be careful not to tear the seals.



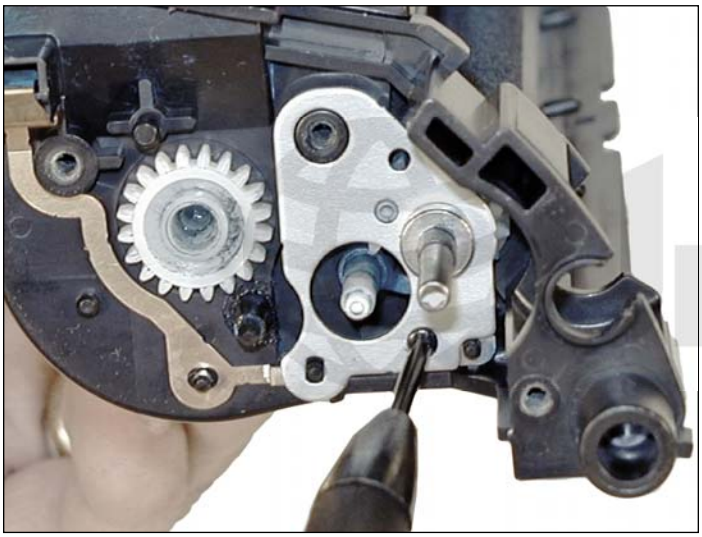
13. Clean out any remaining toner from the hopper and the feed roller.



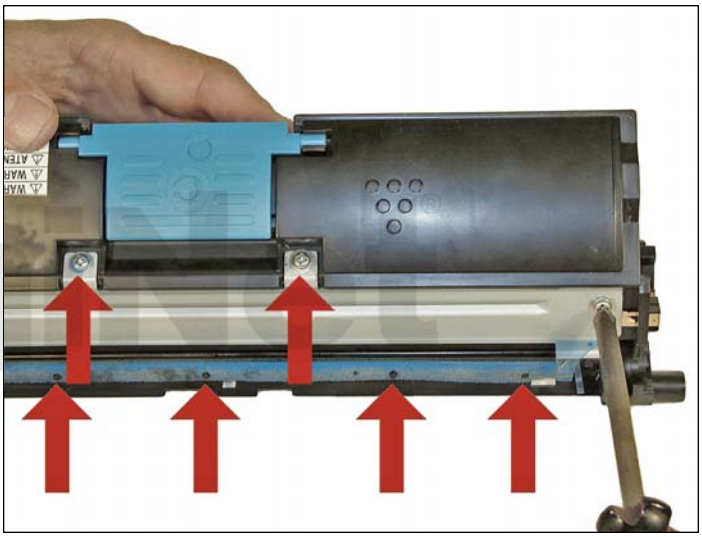
14. Remove the small screw from the feed roller contact plate, and remove the plate.



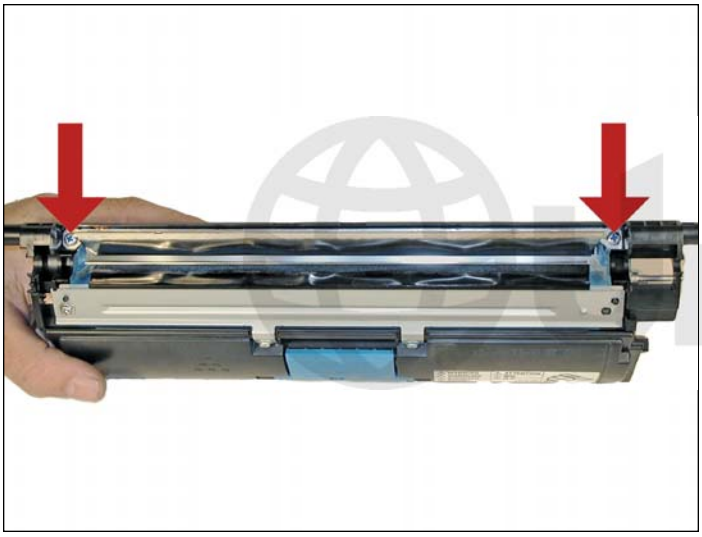
15. Check to ensure that the contact to the feed roller is clean, and that the two gears are clean and greased. If not, clean them and re-grease the gears with white lithium grease.



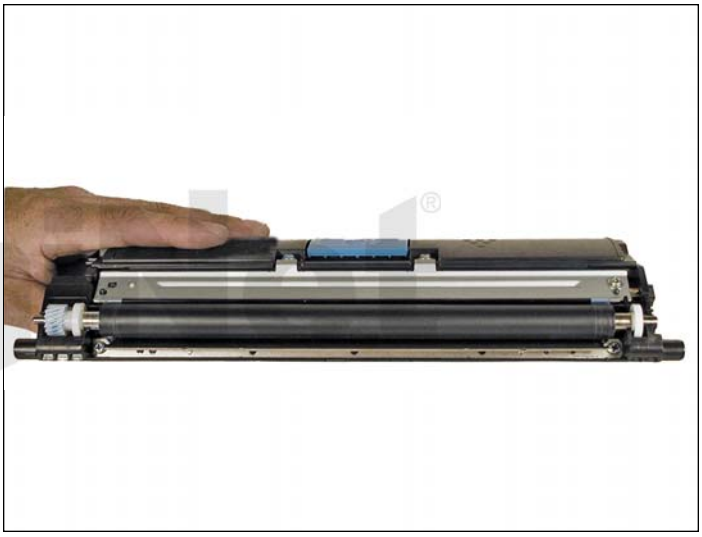
16. Re-install the feed roller contact plate and screw.



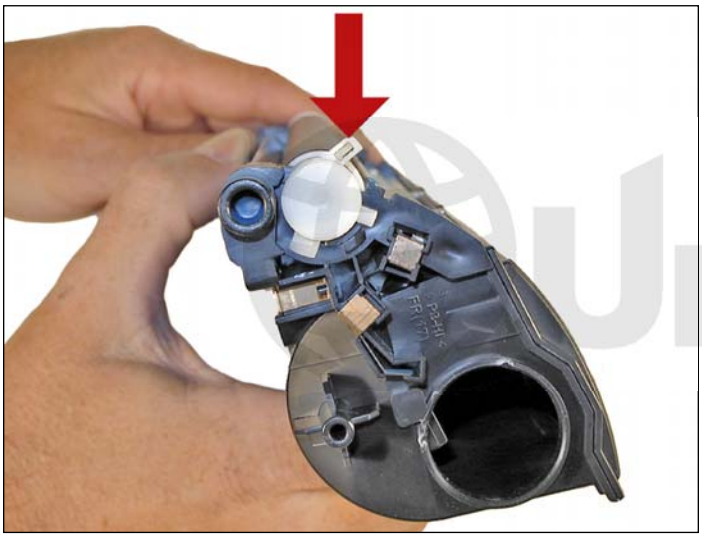
17. Install the cleaned sealing blade assembly, seals, contact, and three screws. Make sure the foam aligns with the plastic pins.

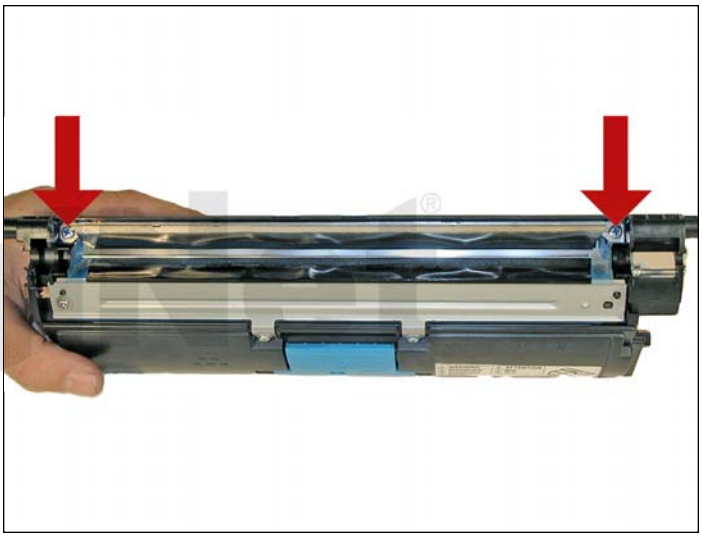


18. Install the doctor blade and two screws.

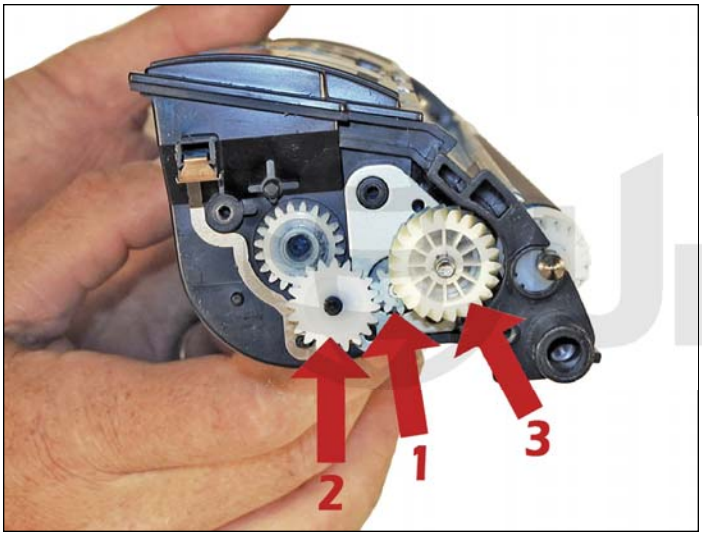


19. Install the developer roller assembly.

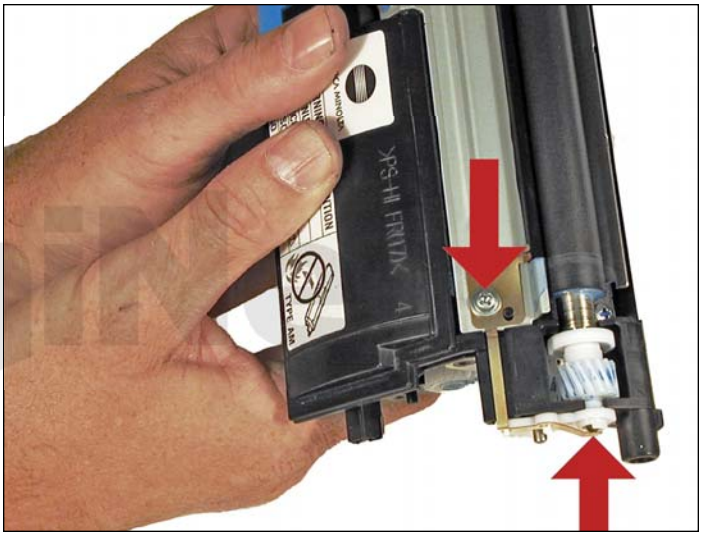




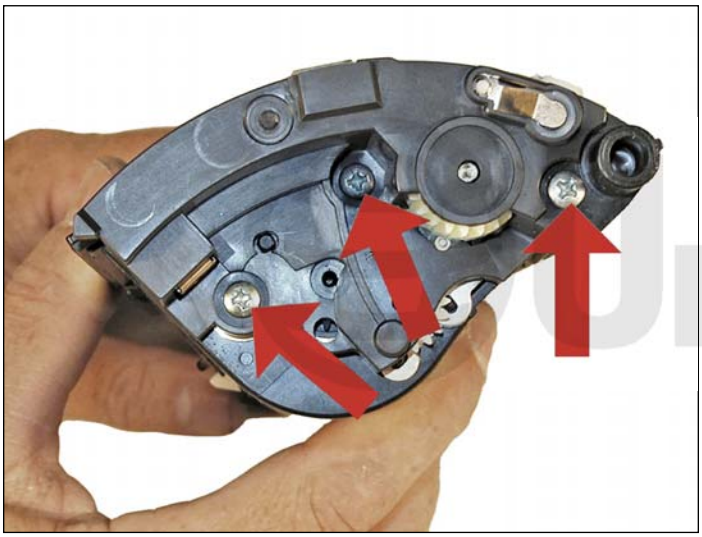
20. On the non gear side, install the large white bushing tab up, and rotate clockwise to lock in place.



21. Install the three gears smallest to largest in that order.

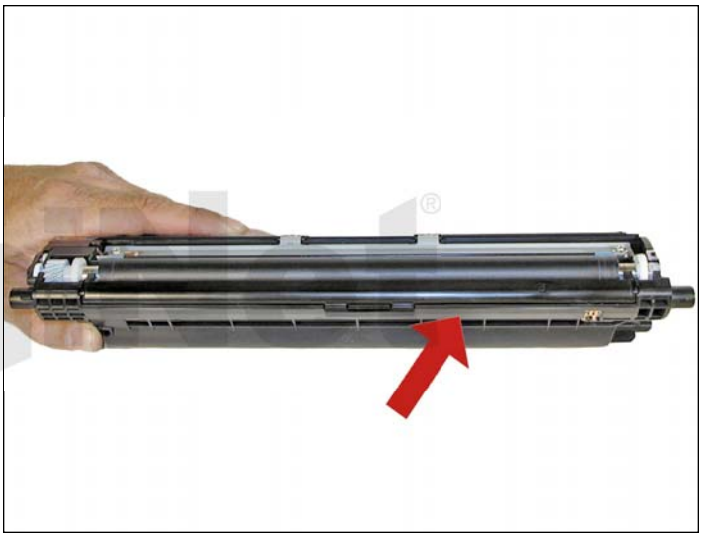


22. Install the contact/bushing assembly and screw.



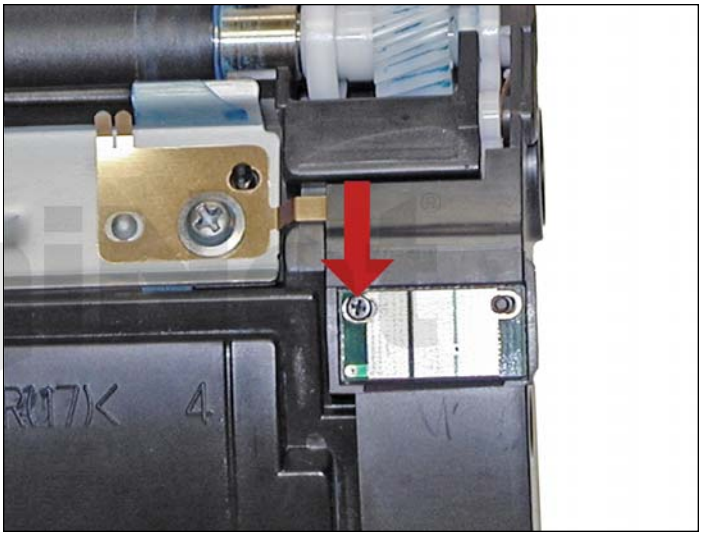
23. Install the black end cap on the gear side.

Install the three silver screws.



24. Install the doctor blade cover. Rotate so that the tabs are aligned and snap in place. This may take a bit of force to fit properly.

25. Fill with the appropriate color toner for Xerox Phaser 6120, and replace the fill plug.



26. Replace the chip by removing the small Phillips screw.

27. Install the developer roller cover.

TAKING TEST PRINTS

Menu Map:
1. On the Control Panel, select Printable Pages Menu, then press the Menu/Select key.
2. Select Menu Map and then press the Menu/Select key.
3. Select Yes and then press the Menu/Select key.

Configuration Page:
1. With the display reading READY, press the Menu Select button until the display reads Printable Pages Menu.
2. Press the right arrow until Configuration shows on the display.
3. Press the Menu/Select button until the display reads Yes.
4. The configuration page will now print

CARTRIDGE DEFECT CHART

Developer roller:	**34 mm**
Toner feed roller:	**25 mm**
OPC drum:	**94 mm**