



Absolute COLOR • Absolute BLACK • Umidrums • Unrollers • Uniparts • Unicoatings

# MINOLTA® MAGICOLOR 5430 • 5440 • 5450 CARTRIDGE REMANUFACTURING INSTRUCTIONS



## MINOLTA® MAGICOLOR 5430 COLOR LASER PRINTER WITH TONER CARTRIDGE

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com

© 2007 UniNet Imaging Inc. All Trademark names are property of their respective owners. Product brand names mentioned are intended to show compatibility only. UniNet Imaging does not guarantee or warrant downloaded information.



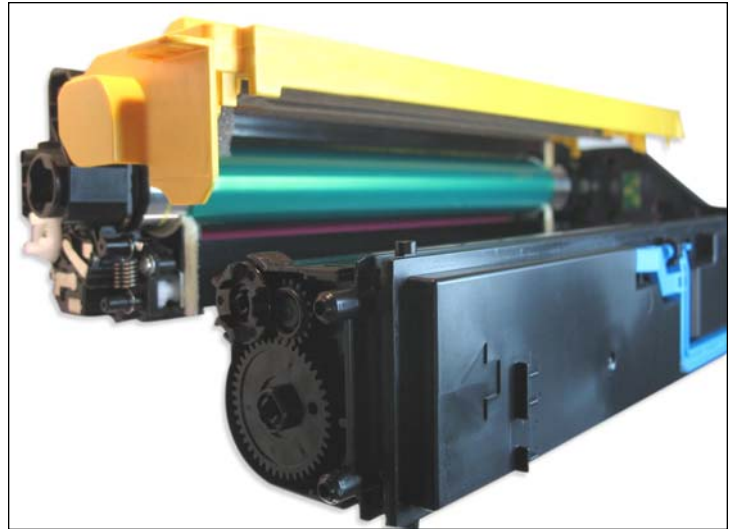
**MINOLTA® MAGICOLOR 5430 TONER CARTRIDGE**



**SIDE VIEW WITH END CAP SHOWN**



**BACK VIEW**



**OPPOSITE SIDE VIEW**

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

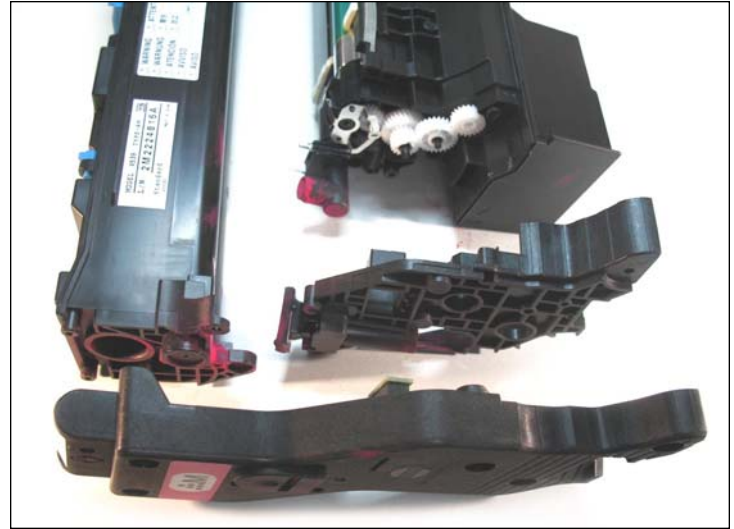
11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



**SEPARATING THE CARTRIDGE**

1. Locate the cartridge end cap of the cartridge.

Using a phillips screwdriver, remove the seven highlighted screws that hold the cartridge together.



2. Cartridge separated. Set the drum unit and end cap aside.

We will now proceed to clean the toner hopper.



**CLEANING THE TONER HOPPER**

3. Locate the toner hopper fill plug.



4. Using a small flathead screwdriver, carefully remove the fill plug by prying it off.

Empty any residual toner from the hopper and clean thoroughly using compressed air.

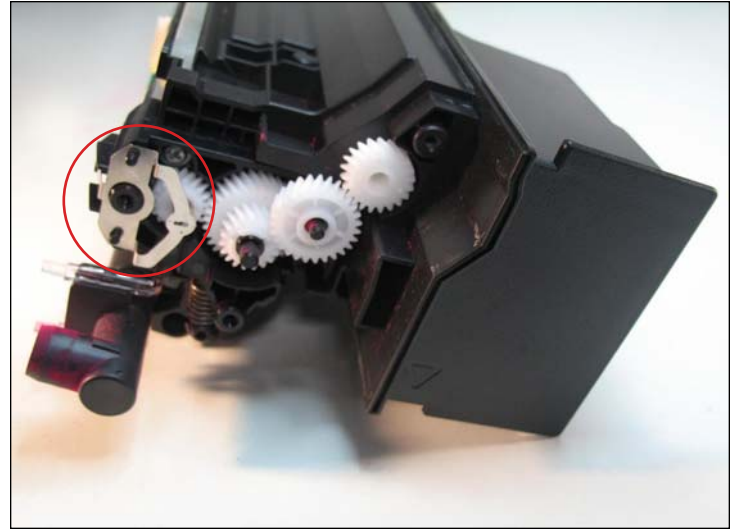
Once clean, refill, apply plug, and set aside.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)



### SEPARATING THE DRUM UNIT

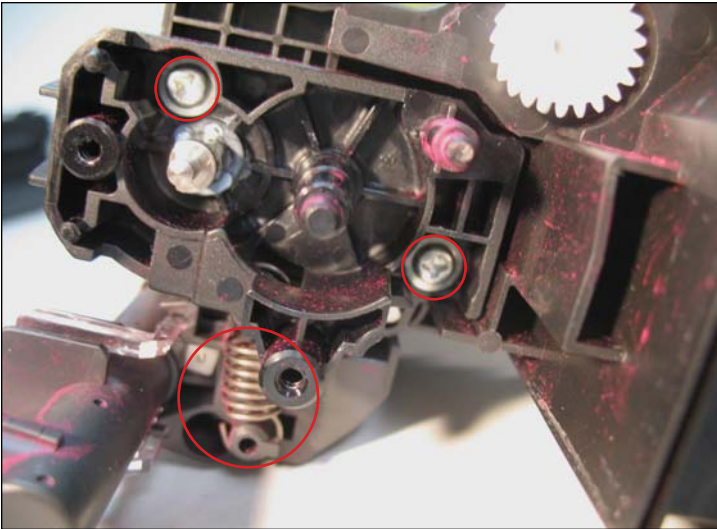
5. The drum unit (top) and developer unit (bottom) are joined together.



6. Locate the gear train side of the drum unit.

Remove the OPC contact (highlighted).

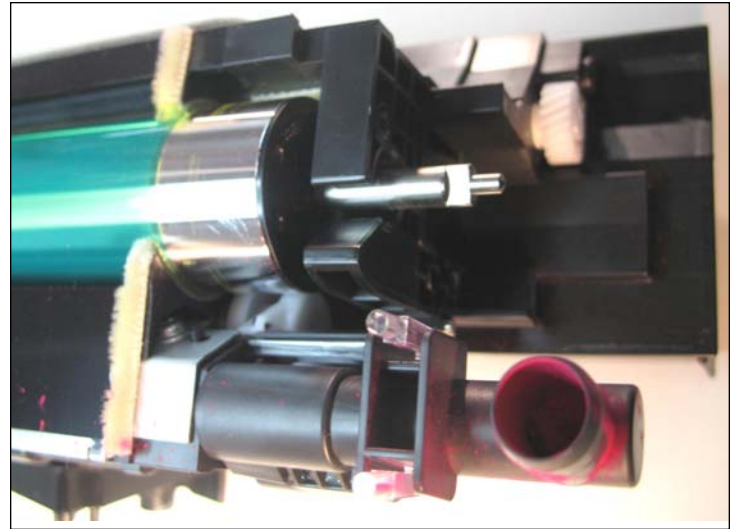
Now remove the gear train directly behind it. Note the positioning of the gears. One of the gears is not removable.



7. After removing the gears, release the two screws that hold the drum axle plate in place.

Release the compression spring that is connected to the developer unit beneath.

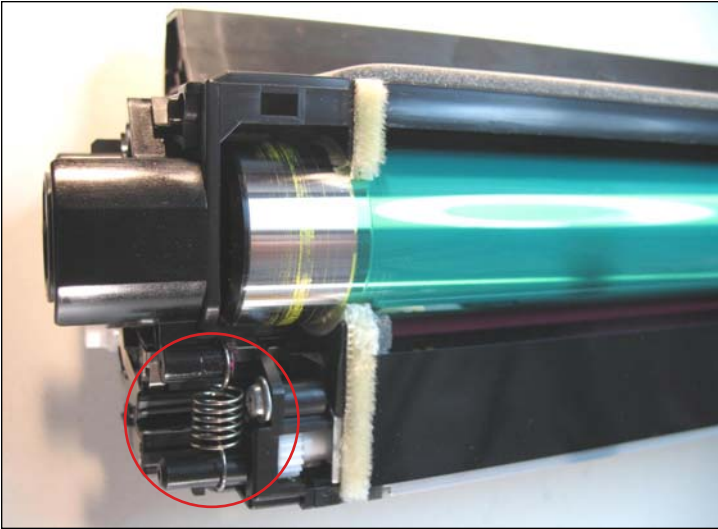
Slide the drum axle plate out.



8. Drum axle plate removed.

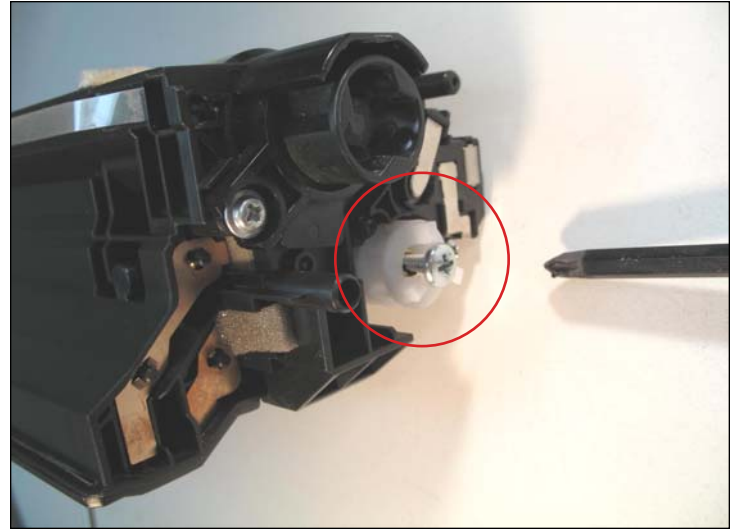
[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



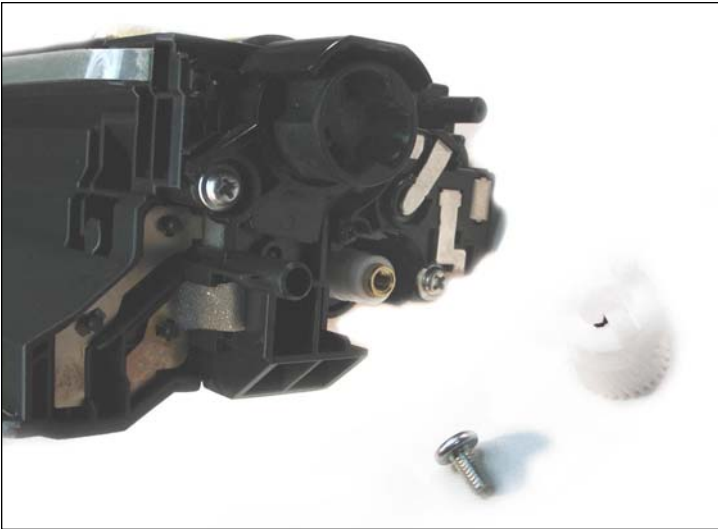
9. Release the compression spring on the opposite side of the drum unit (drive gear side).

Note: The compression springs are different, the longer spring is connected to the gear train side of the drum and the small spring is connected to the drive gear side.

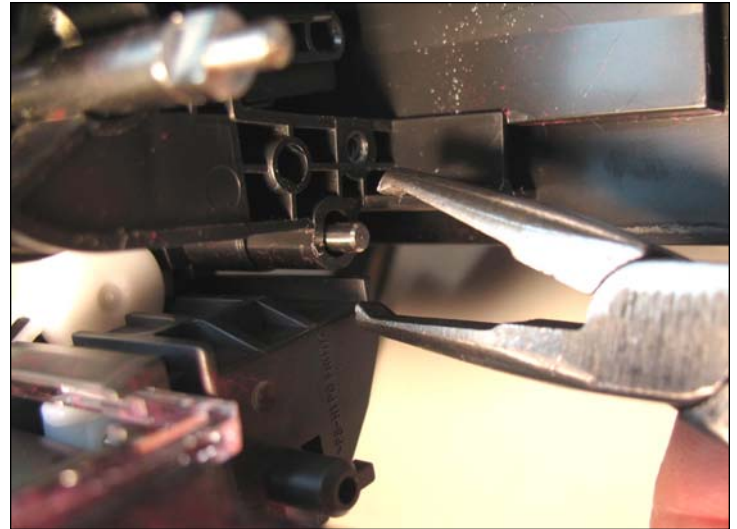


10. Locate the developer roller drive gear just below the OPC.

Using a phillips screwdriver, release the screw that holds it in place. Note: this is a metric screw and will not fit anywhere else.



11. Developer roller drive gear removed.



12. Now, return to the gear train side and locate the pin that hold the drum unit and developer unit together. Pull the pin out using a pair of pliers.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



13. Separate the two halves by first pulling out the developer unit from where the pin was removed. Once it clears the waste hopper section pull the two halves apart away from each other as shown



**DISASSEMBLING THE DRUM UNIT**

14. Remove the OPC drive gear support by first releasing the screw that holds the support plate in place.



15. Once the screw has been removed, turn the support counter clockwise until it comes to a stop. This will unlock the support and allow you to remove it completely.



16. Final position of drive gear support plate that can now be removed.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



**REMOVING THE OPC**

17. Once the OPC drive gear support plate has been removed, it will allow movement for the drum axle and will simplify the removal of the OPC.

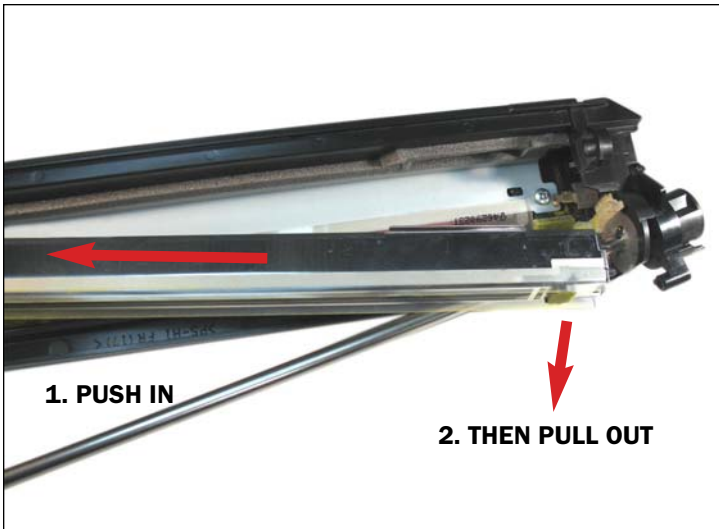
Note: the drum is secured on the axle with pressure. It will take some force to remove.



18. Picture of OPC drum removed.

Note: It will not be necessary to remove the drum axle but it can easily be removed by angling the axle and pulling it out of its support.

Wipe the OPC using drum cleaning solution, cover, and set aside.



**REMOVING THE CORONA WIRE ASSEMBLY**

19. Remove the corona wire by pushing it towards the opening on the gear train side. This will allow you to lift one side of it for easy removal.



20. Corona wire assembly removed.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

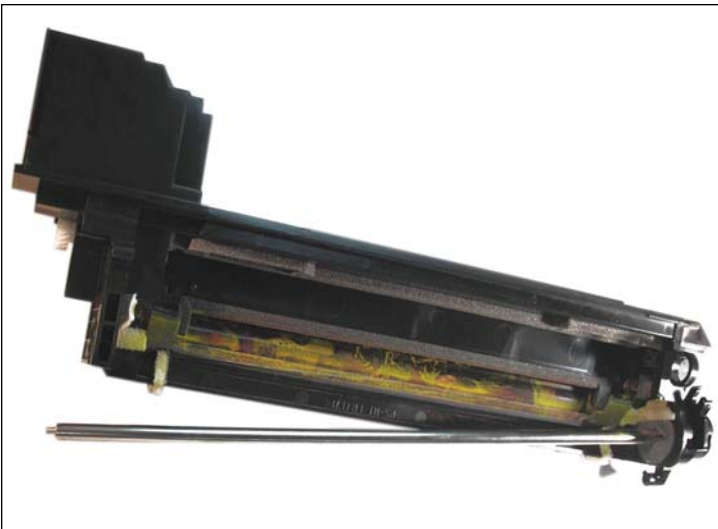


**REMOVING THE WIPER BLADE**

21. Remove the wiper blade by first disengaging the two screws (shown) that hold it in place.



22. Remove the wiper blade in the manner shown.



**CLEANING THE WASTE HOPPER**

23. Hopper shown with wiper blade completely removed.

Dump the waste toner from the hopper and clean thoroughly using compressed air.

Clean the wiper blade using a lint free cloth and apply padding powder before installing.

Install the wiper blade following the previous removal steps in reverse.

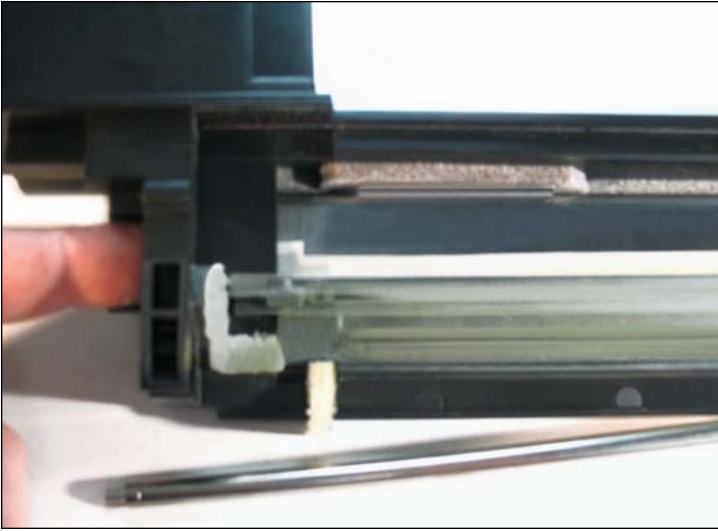


**ASSEMBLING THE DRUM UNIT**

24. Install the corona wire assembly via the gear train side first. Insert the corona wire assembly through the opening, then slide through the opposite side.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)



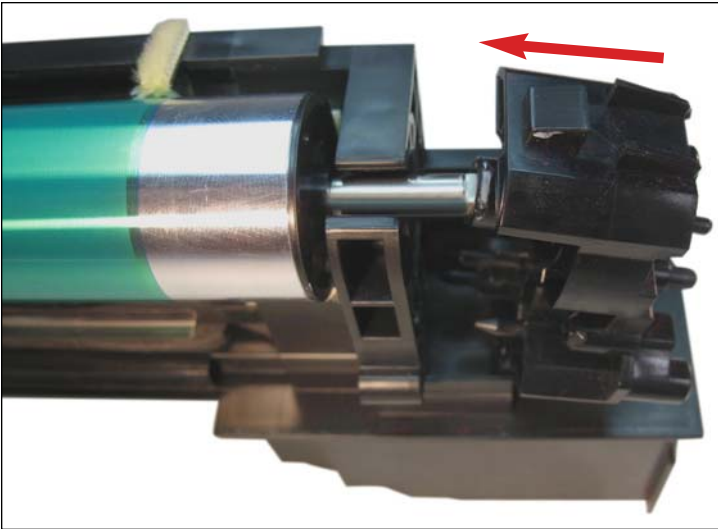


25. Once the corona wire is aligned with the cartridge, Push it with your finger tips until it is back into its original place.

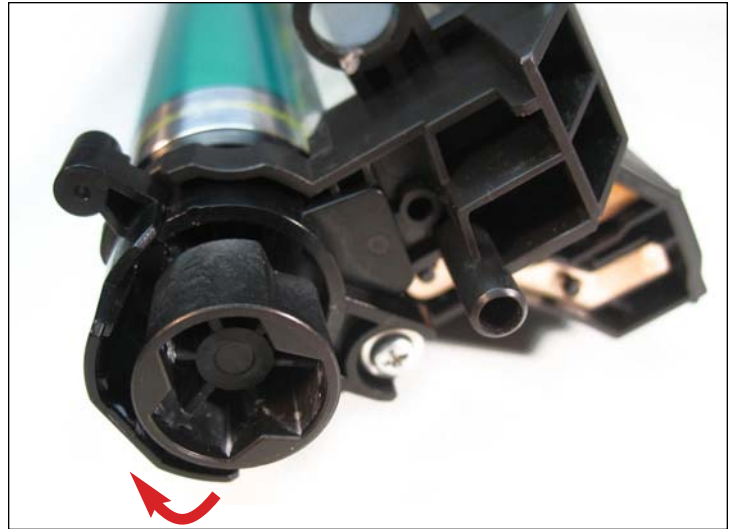


**INSTALLING THE OPC**

26. Before inserting the OPC, make sure its gears are facing in the correct position.



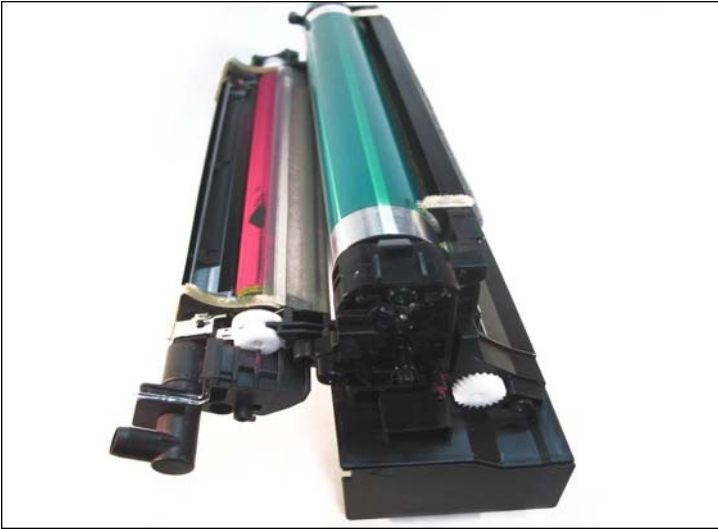
27. Install the OPC drive gear support as shown.



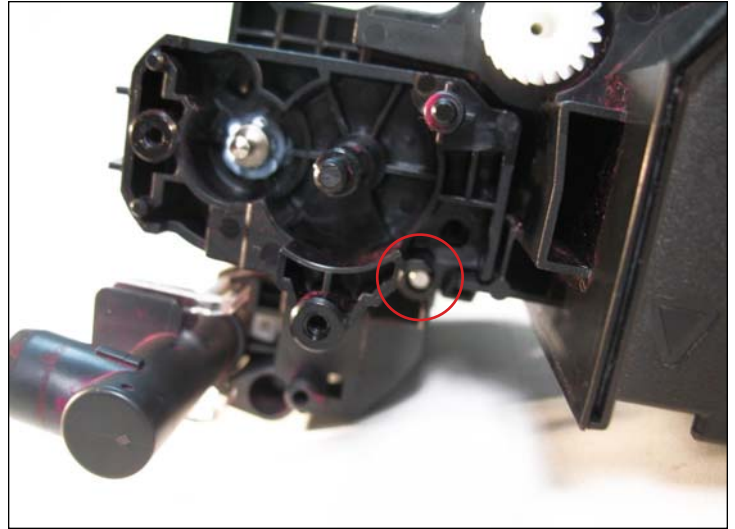
28. Rotate the support clockwise until it locks into place. Once it locks it will need to be secured with its appropriate screw.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



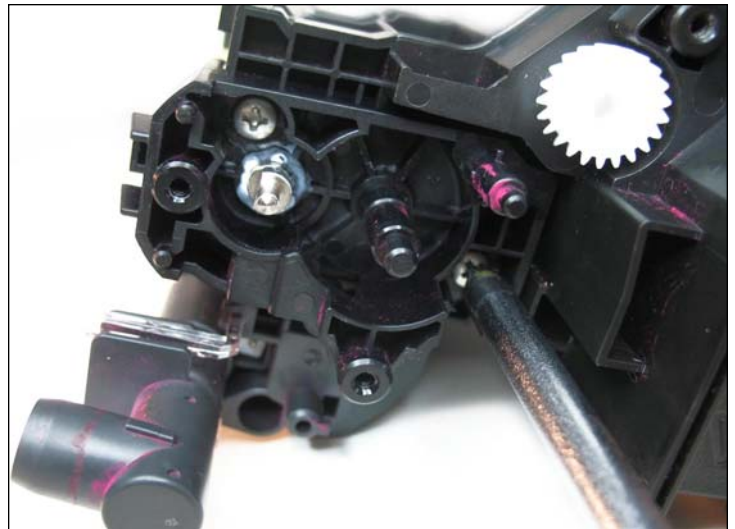
29. Assemble the two halves by first inserting the drive gear.



30. Once that has been accomplished join the two halves and insert the pin on the gear train side.



31. Install the developer roller drive gear and its appropriate screw.

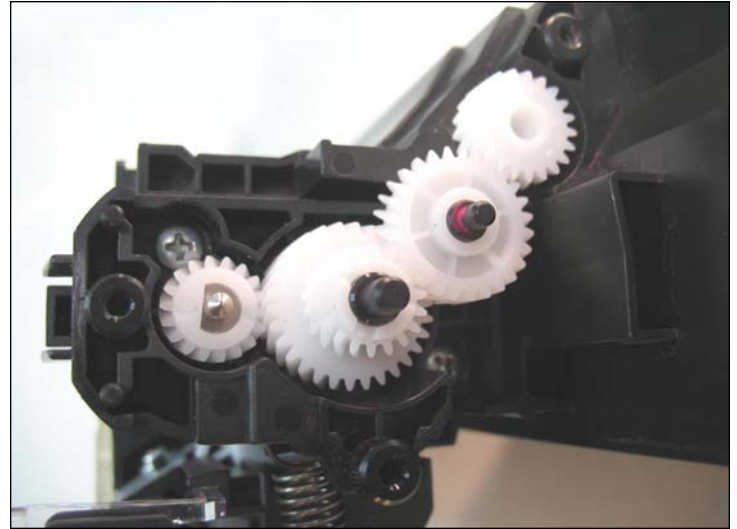
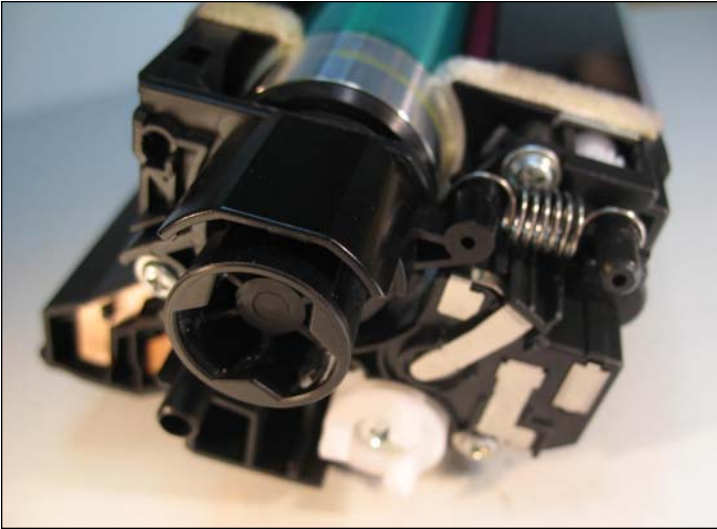


32. On the opposite side, install the support plate and fasten with two screw as shown.

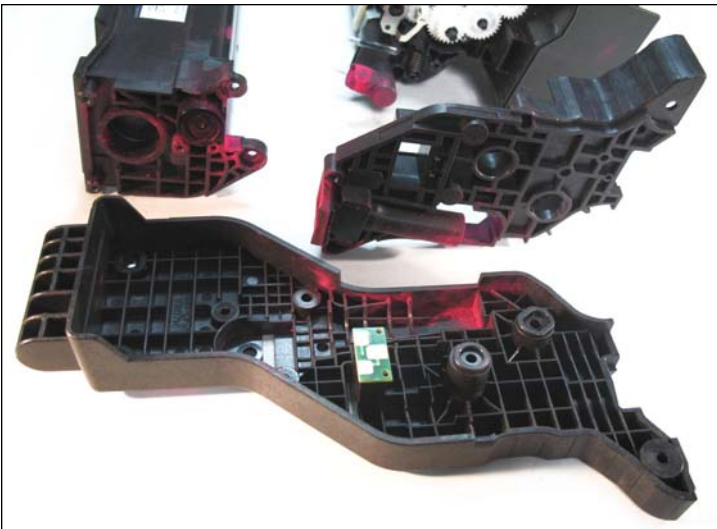
[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com

© 2007 UniNet Imaging Inc. All Trademark names are property of their respective owners. Product brand names mentioned are intended to show compatibility only. UniNet Imaging does not guarantee or warrant downloaded information.

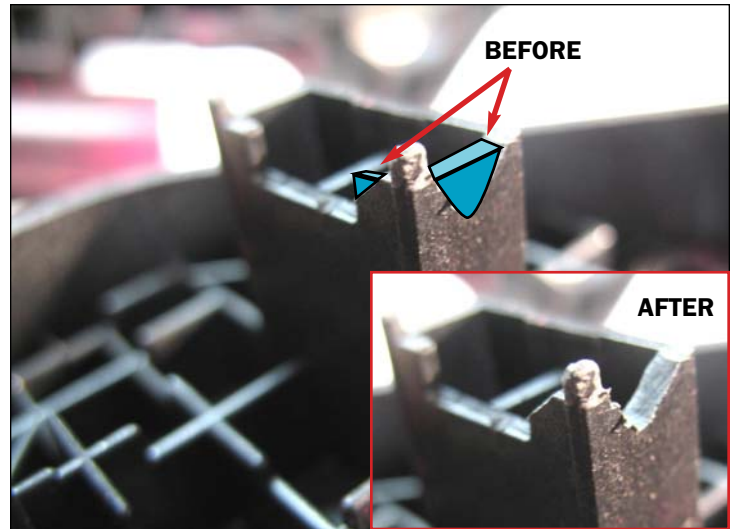


33. Once the two halves are assembled, continue installing the gear train and springs as shown.



**REMOVING THE OEM CHIP**

34. Locate the OEM chip on the inner portion of the end cap (shown). The chip has been fastened with a minimal amount of pressure and can be removed without tools.



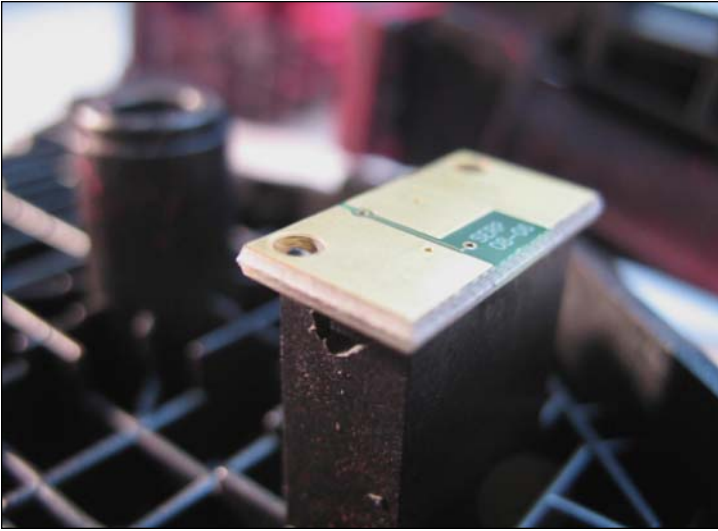
**ALTERING THE CHIP HOLDER**

35. Before installing the replacement chip, a small adjustment will need to be made to the chip holder shown. Two groove patterns need to be cut out to accommodate the new chip.

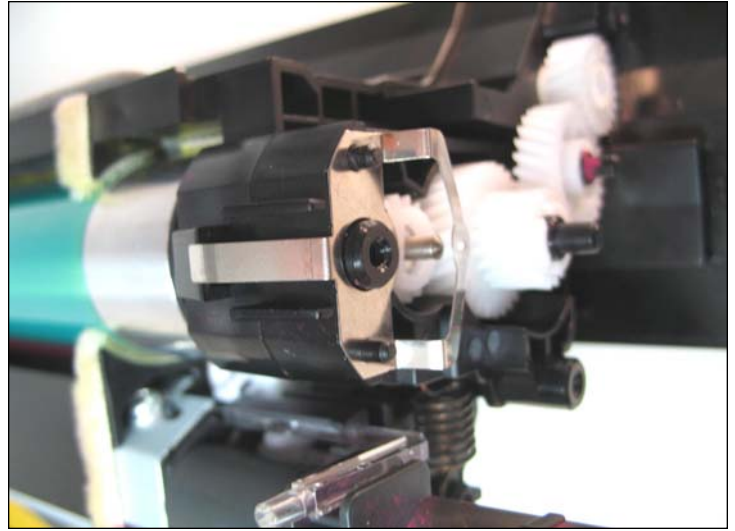
Using a small cutting knife, cut out the two patterns as indicated in the illustration.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com



36. Aftermarket chip installed.

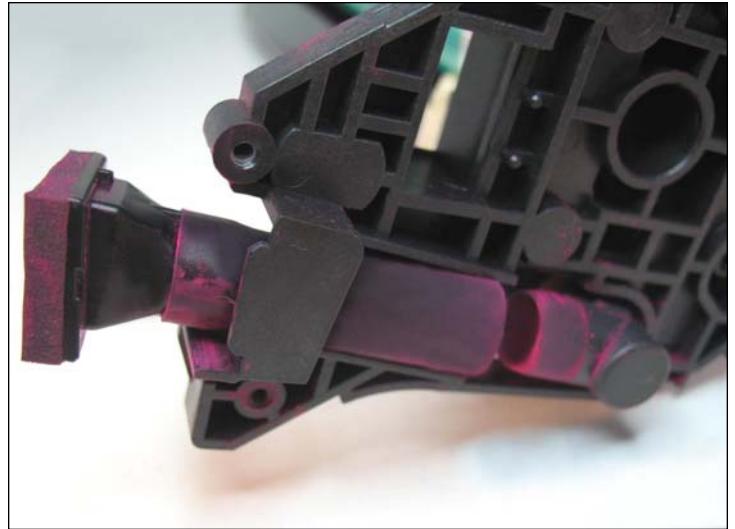


37. Install the drum contact as shown.



**ASSEMBLING THE END CAP**

38. Once the chip has been installed, you can proceed with installing the inner section of the end cap.



39. Install the transfer tube as shown.

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com

© 2007 UniNet Imaging Inc. All Trademark names are property of their respective owners. Product brand names mentioned are intended to show compatibility only. UniNet Imaging does not guarantee or warrant downloaded information.



40. Install the outer end cap.



41. Secure the end cap with the seven screws.

---

**NOTES**

[www.uninetimaging.com/technical.asp](http://www.uninetimaging.com/technical.asp)

11124 Washington Blvd., Culver City, California USA 90232 • Ph +1 310 280 9620 • Fx +1 310 280 0533 • techsupport2@uninetimaging.com

© 2007 UniNet Imaging Inc. All Trademark names are property of their respective owners. Product brand names mentioned are intended to show compatibility only. UniNet Imaging does not guarantee or warrant downloaded information.