

HP 3800/3600 CARTRIDGE REMANUFACTURING INSTRUCTIONS



HP 3800 COLOR LASER PRINTER



HP 3800 TOP FRONT



HP 3800 BOTTOM FRONT



HP 3800 CONTACT SIDE



HP 3800 GEAR-SIDE



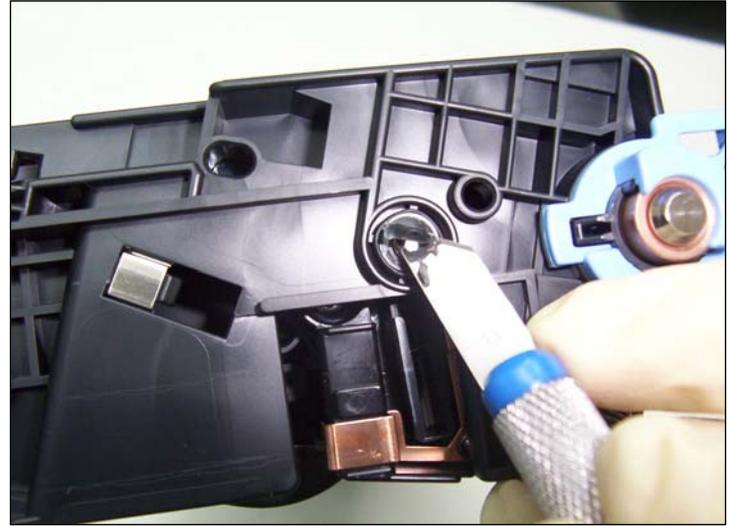
HP 3800 BOTTOM REAR





SEPARATING THE CARTRIDGE SECTIONS

1. Start by removing the melted residue around the pin on the gear-side of the cartridge.



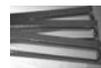
2. Repeat the same procedure on the gearless side.



3. Drill a small hole just above the pin on both sides of the cartridge.



4. Insert a scribe or pin pusher through the hole to pull the pin out on one side.



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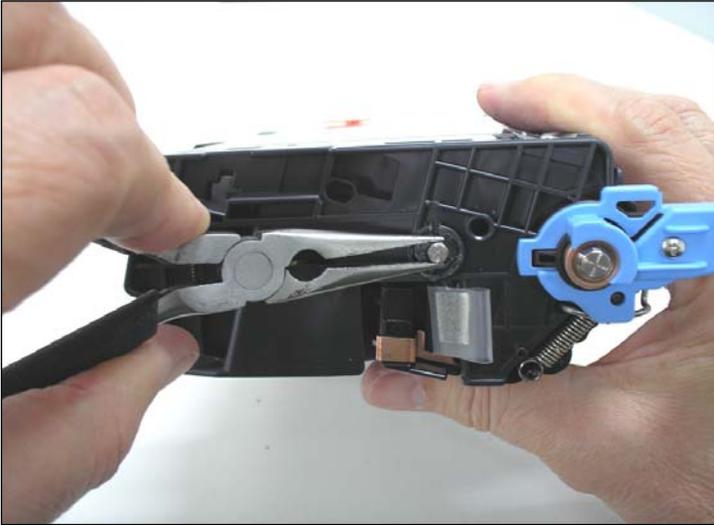
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REMOVING THE PINS

5. Extract the pin, on the contacts side with the help of small pliers. This pin is short and unique to this side.



6. Pin extracted.



7. Go to the opposite Gear side and repeat the extraction procedure. This pin also passes thru the center of the main drive gear during extraction.



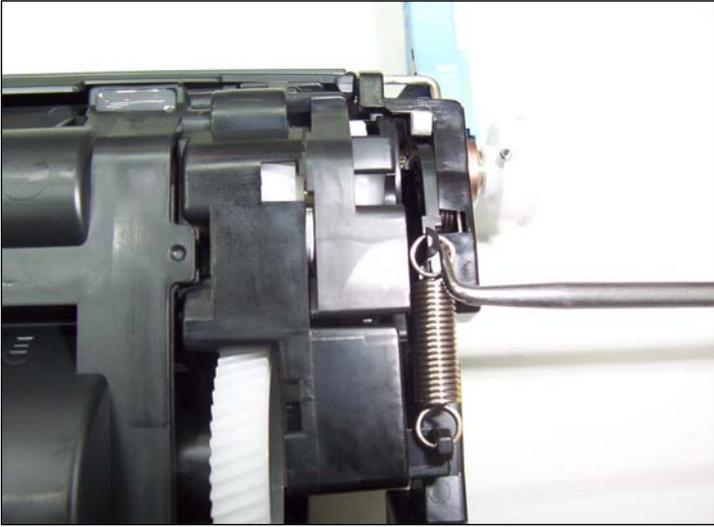
8. Notice the sizes of the pins for the contact side (short) and the gear side (long).



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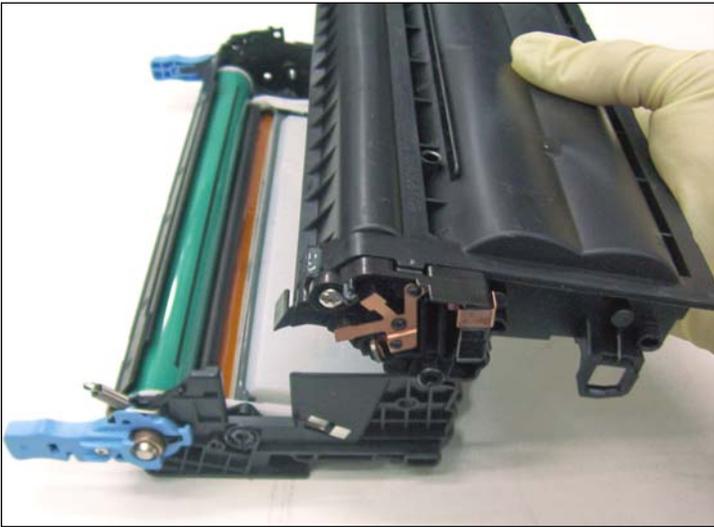


DISENGAGING THE SPRINGS

9. Using a hook tool, release the spring from the drum unit on the gear-side.



10. Release the spring on the gearless side.



11. Separate the toner hopper from the drum unit.

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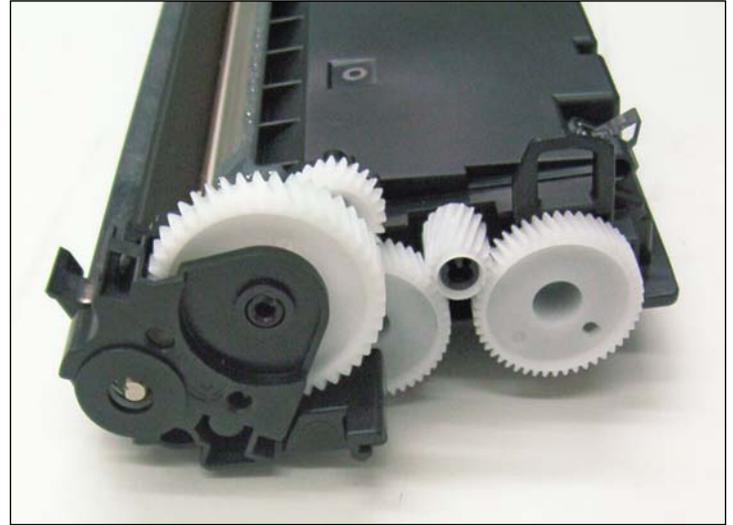
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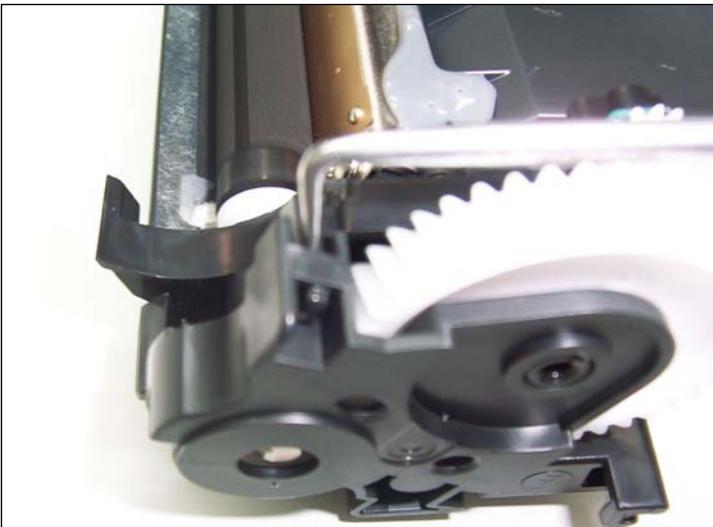
DISASSEMBLING THE TONER HOPPER

12. Front view.



REMOVING THE DEVELOPER ROLLER END PLATE

13. We will begin with the removal of the end plate on the gear-side. The end plate is held in place by three interlocking tabs.



14. Locate the first tab on top of the end plate. Using a hook tool, push the tab away to release.



15. Locate the second tab and repeat the same procedure.



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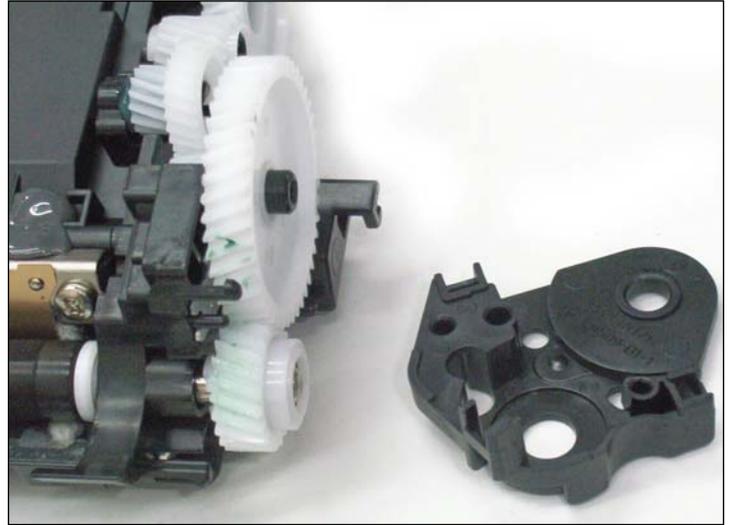
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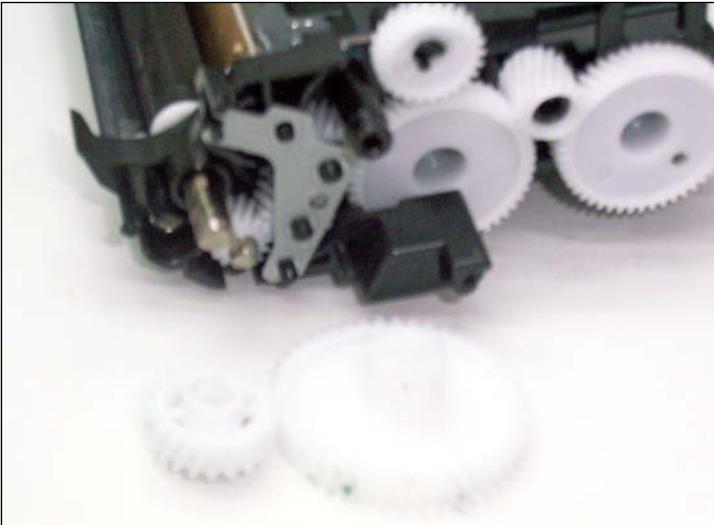
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16. Locate the third tab holder shown near the bottom.



17. End plate removed.



REMOVING THE DEVELOPER GEAR SUPPORT PLATE

18. Remove the developer drive gears shown.



19. Using a hook tool, slide out the gear retaining plate. This will reveal three remaining drive gears beneath.



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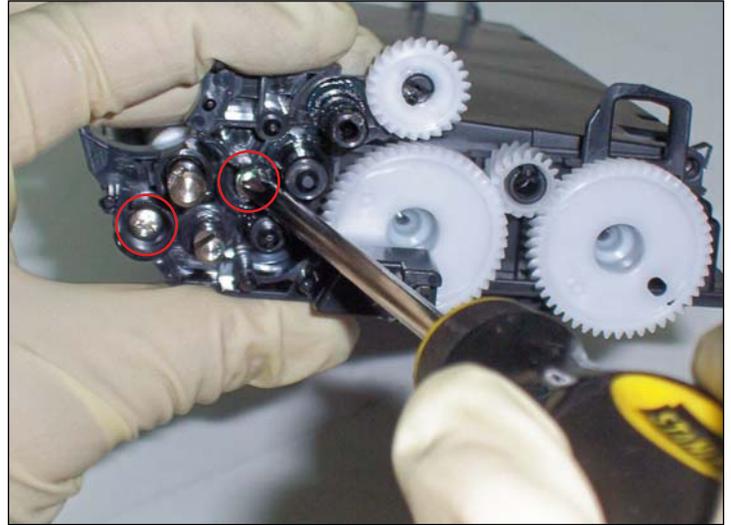
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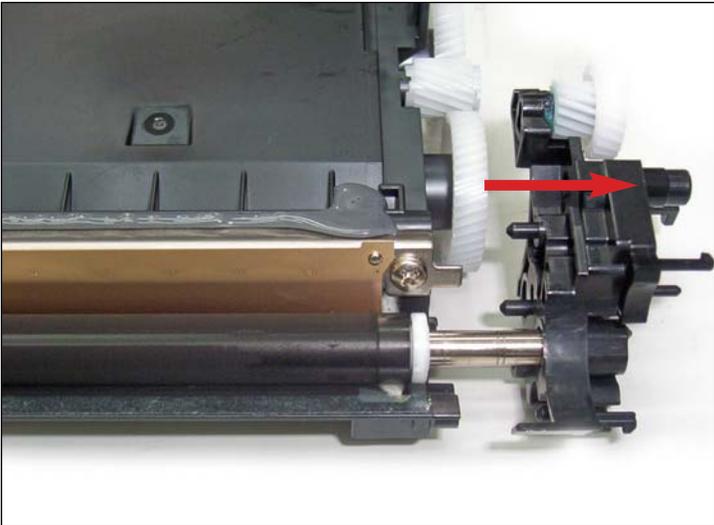
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20. Remaining drive gears removed. Gear support plate shown.



21. Remove the two screws shown that hold the gear support plate in place.



22. Slide the gear support out as shown.



REMOVING THE GEARLESS SUPPORT PLATE

23. On the opposite end of the hopper, remove the two screws shown that hold the developer roller gearless support plate in place.



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24. Slide off the gearless support plate.



25. You are now able to remove the developer roller.



REMOVING THE DOCTOR BLADE

26. First, remove the two screws shown that hold the doctor blade in place.



27. Using a small flathead screwdriver, pry the blade far enough to separate it from OEM adhesive.

Note: Pry from one side only.



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28. Once the blade has been separated far enough from the hopper, continue to pull it completely out from one side using your hand.



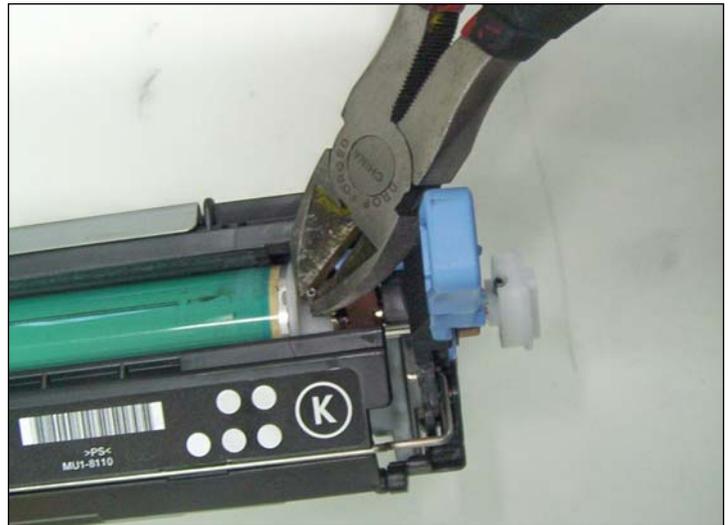
29. Bare hopper shown.

- a. Clean hopper thoroughly using compressed air.
- b. Fill the hopper with new toner through the opening shown.
- c. Clean and install the doctor blade to seal in the toner.
- d. Assemble the rest of the hopper following the corresponding steps in reverse order and set aside.



DISASSEMBLING THE DRUM UNIT

30. Using a chisel and hammer, hammer out the locking pin through the other side of the drum using swift hard blows.



31. Rotate the OPC so the pin is visible and able to grasp using medium-sized pliers. Extract the pin by pulling it out.



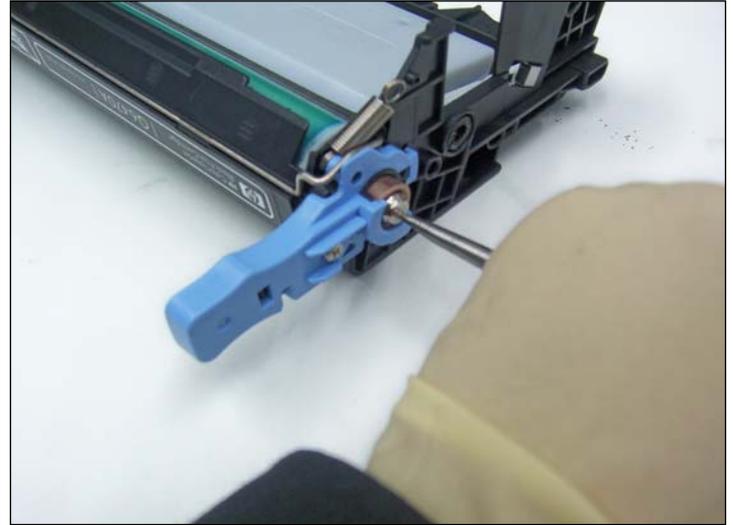
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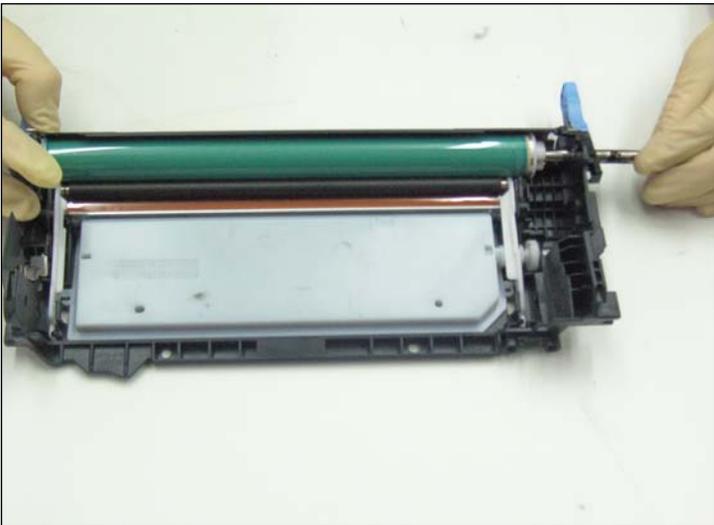
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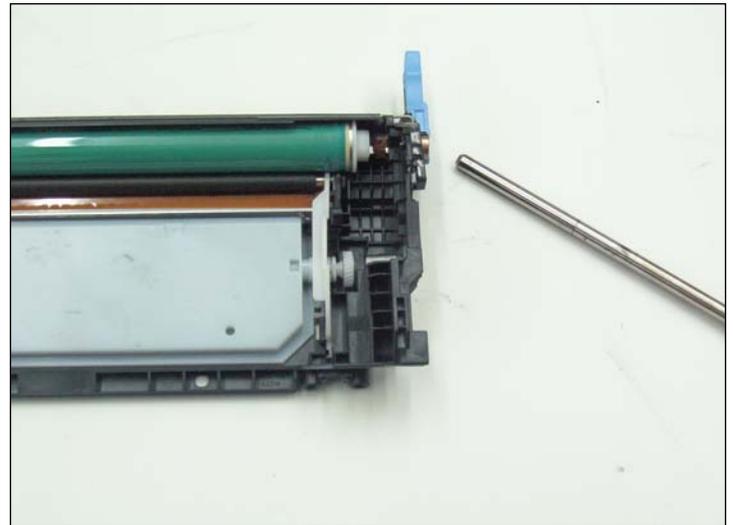
32. Pin removed.



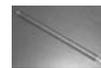
33. From the opposite end of the drum, strike the drum axle inward using a chisel and hammer until it becomes loose.



34. Rear view. Pull the axle out completely from the opposite end.



35. Axle removed.





36. Remove the OPC as shown.

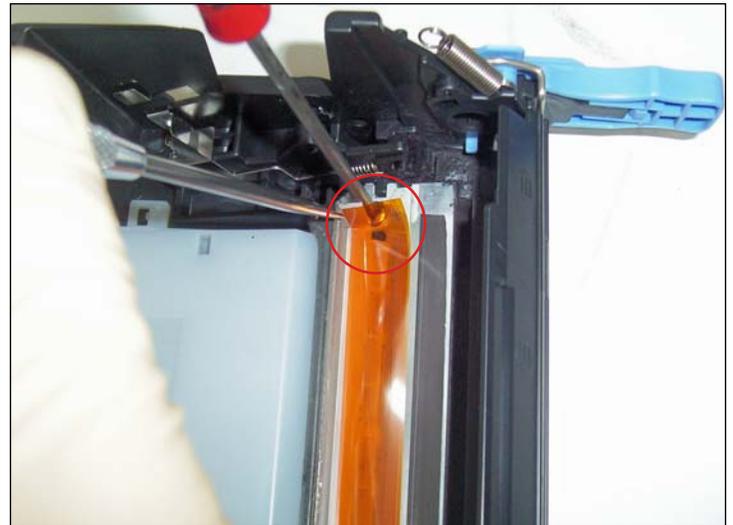


REMOVING THE PCR

37. Release the PCR arms shown by lifting upward.



38. After releasing both arms, remove the PCR.



REMOVING THE WIPER BLADE

39. Using a scribe or straight hook tool, carefully lift up and hold the end of the PCR contact strip to access the screw underneath that is holding the wiper blade assembly in place.

Repeat the same procedure on the opposite end of the blade.



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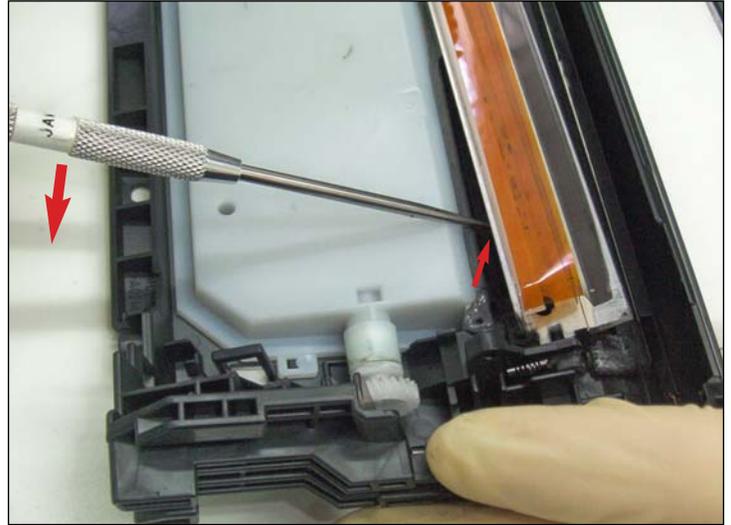
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40. Wedge a small scribe or small screwdriver between the base of the wiper blade and the hopper beneath that it adheres to.



41. Position the scribe over the waste hopper shown for support as you push downward, prying the wiper blade assembly up and releasing it from its adhesive seal.



42. Now slowly but firmly, pull the loose end of the wiper blade upward with your hand as shown until it is completely removed.

a. Proceed to empty the waste hopper and clean the rest of the drum unit thoroughly using compressed air.

b. Clean the wiper blade and parts and reassemble the cartridge following the corresponding steps in reverse order.

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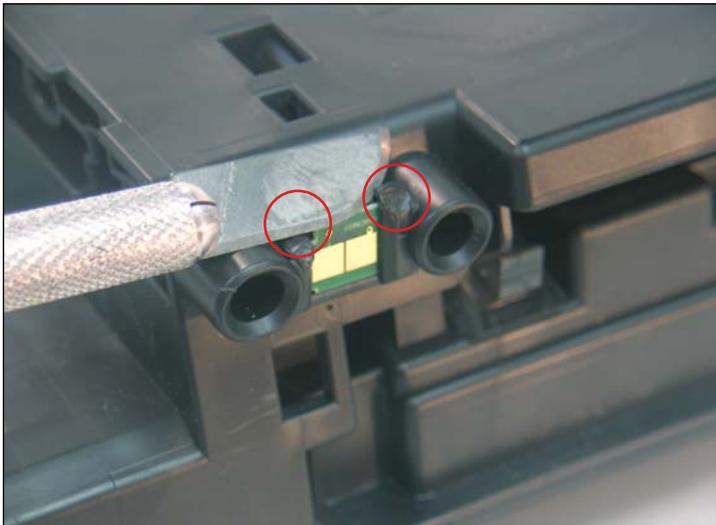


CHIP REPLACEMENT PROCEDURE

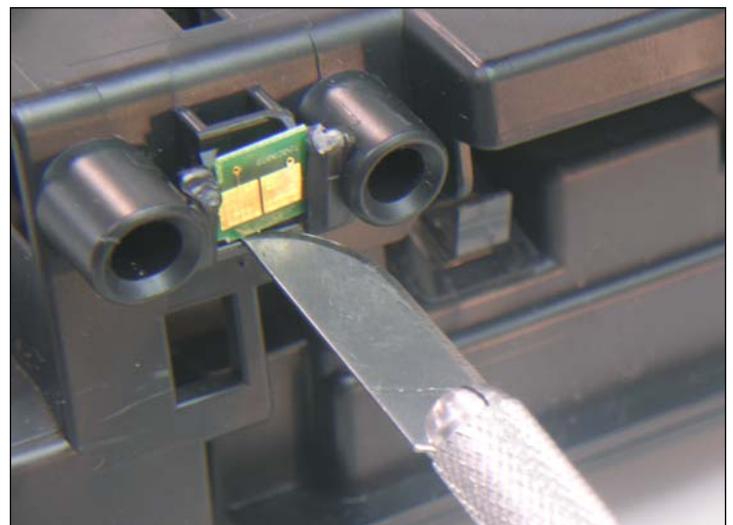
43. Locate the OEM chip near the top rear of the remanufactured cartridge



44. Close up of OEM chip



45. Using a small scalpel, carefully cut away the melted plastic tabs shown above the chip and are holding it in place.



46. Using the tip of the scalpel, gently lift the chip upward by its base through the plastic slots until it is completely removed.



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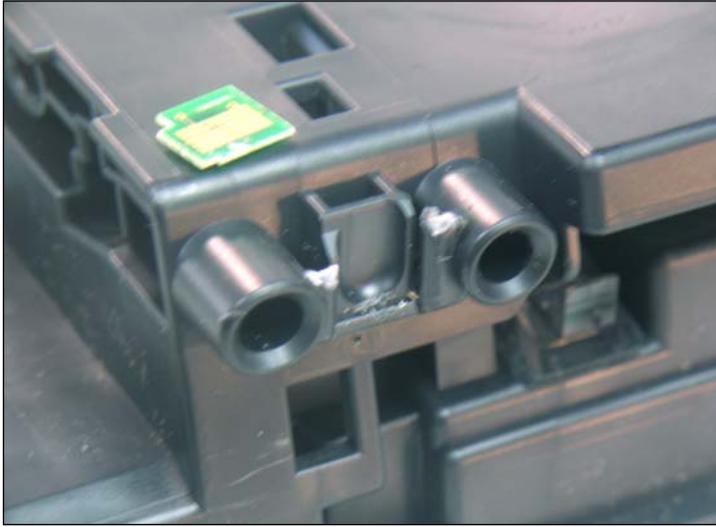
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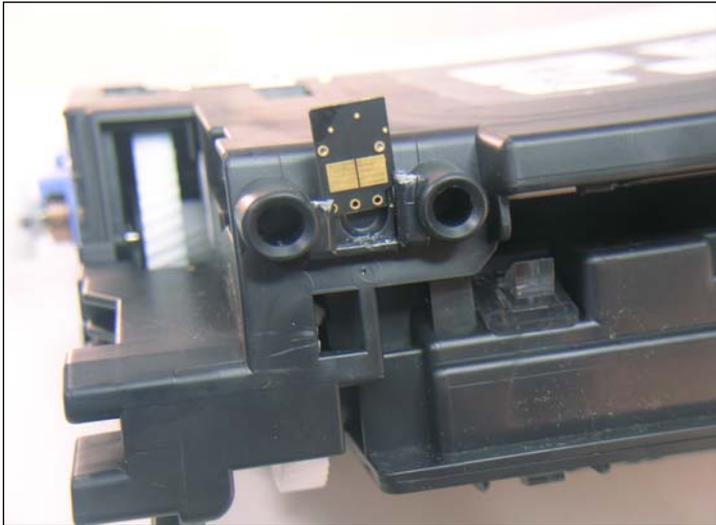


47. OEM chip removed.

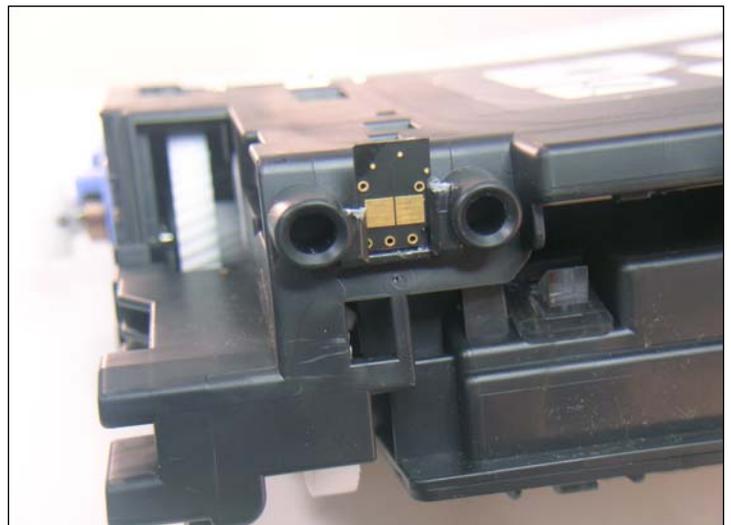


48. Apply a small amount of plastic cement into the plastic slots. This will seal the replacement chip into place from each side.

Note: Be careful not to apply too much cement that can spill over and cover the contacts of the chip when inserted, rendering it useless.



49. Insert the replacement chip in the manner shown (golden plates outward, three holes bottom). The chip will not read properly if reversed or inverted in any way.



50. Chip installed.

Allow cement to dry before testing the cartridge.



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