

XEROX® PHASER 4500

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



XEROX® PHASER 4500 TONER CARTRIDGE

REMANUFACTURING THE XEROX PHASER 4500 TONER & DRUM CARTRIDGE

By Javier Gonzalez and the Technical Staff at UniNet



Toner cartridge with OEM chip shown.



REMOVING THE CHIP

1. Using a small screwdriver, push in one of the tabs located beneath the base to release the chip that is held in place.



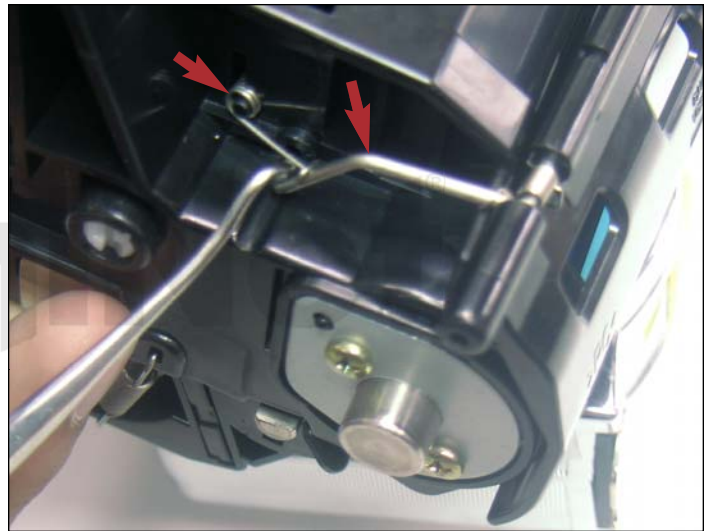
2. The chip can now be lifted from the top or pushed out through the tab holes beneath the chip base.



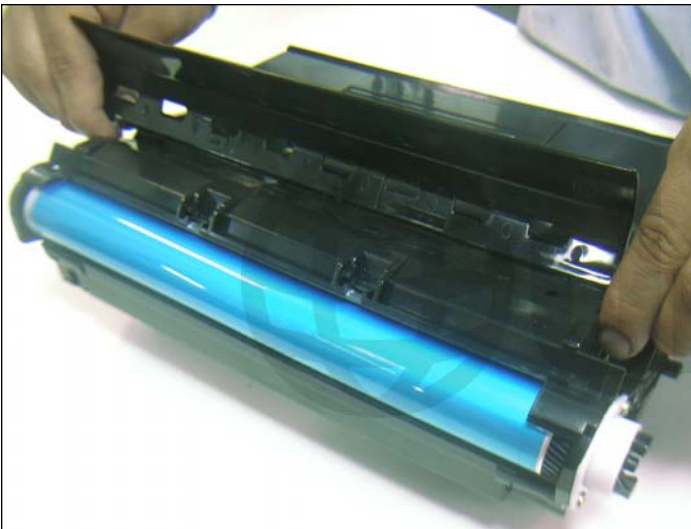
3. Chip removed with tab holes shown. It will be replaced later with a new Smartchip.



4. Remove the shutter door arm from the slot on the gear-side of the toner cartridge as shown.



5. Using a hook tool, remove the shutter door arm located on the gearless side. Remember the position of the spring for re-installation.



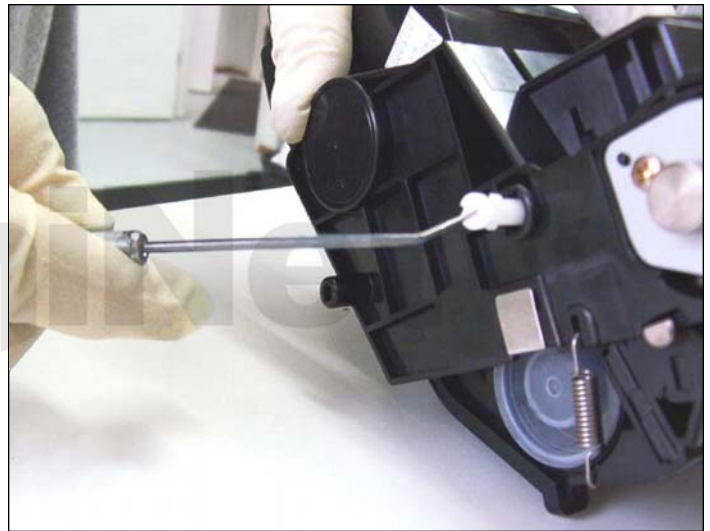
6. Remove the shutter-door and set it aside.



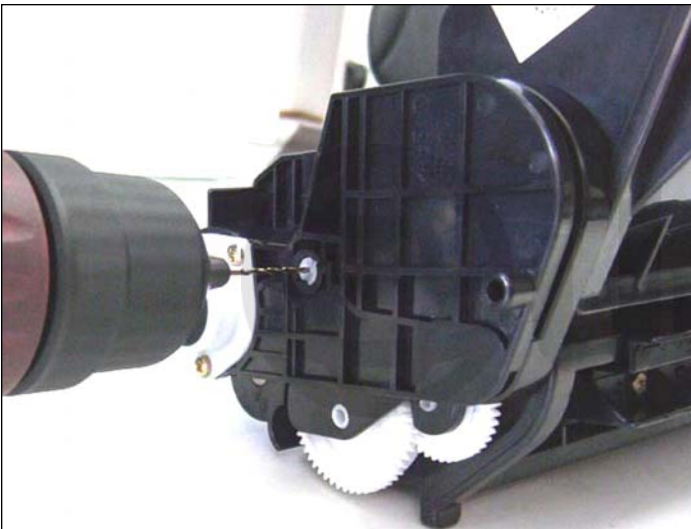
7. Remove the plastic pin on one end by first drilling a hole in the center of it. This will make it more accessible.



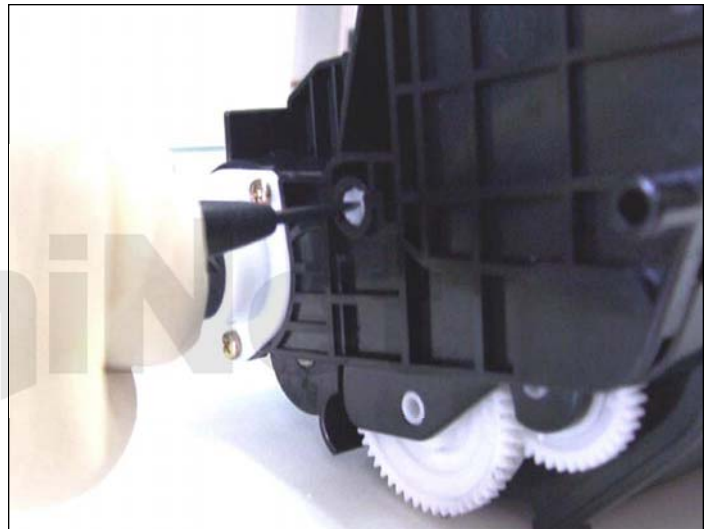
8. Use a 2.4 mm screwdriver to turn the pin to the “release” setting (gently turn counter-clockwise until it stops).



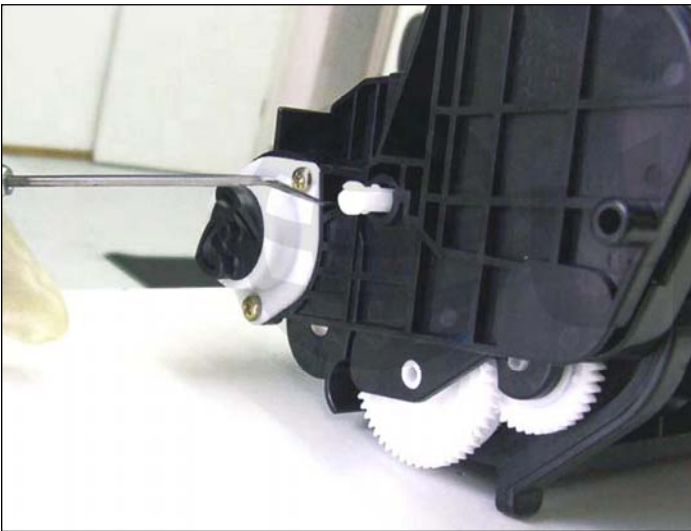
9. Use a 2-angle hook to access and pull the pin from the hole.



10. Remove the plastic pin on the opposite end by drilling a hole in the center.



11. Turn the pin counter-clockwise to the “release” setting as usual.



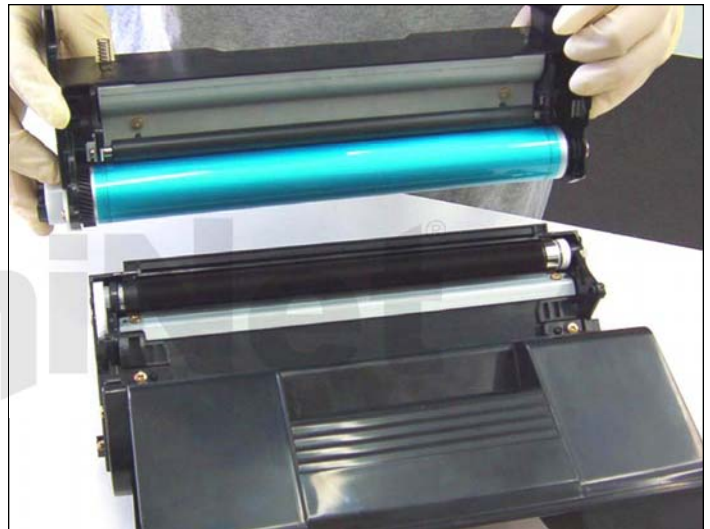
12. Pull the pin out through the hole.



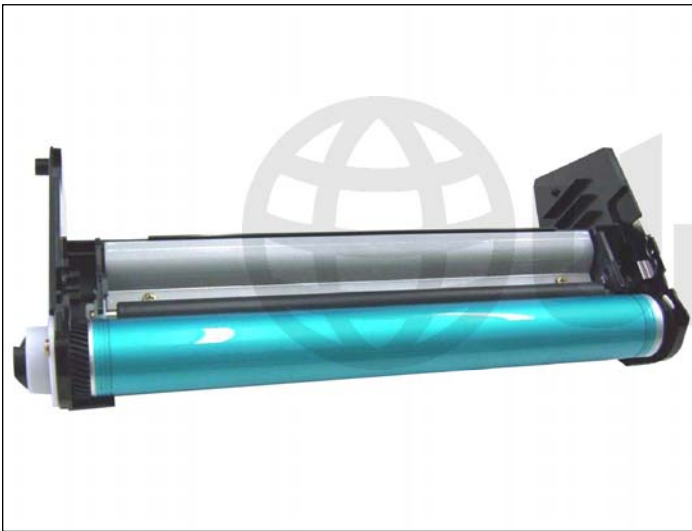
13. Use a hook tool to release the spring from the gearless side.



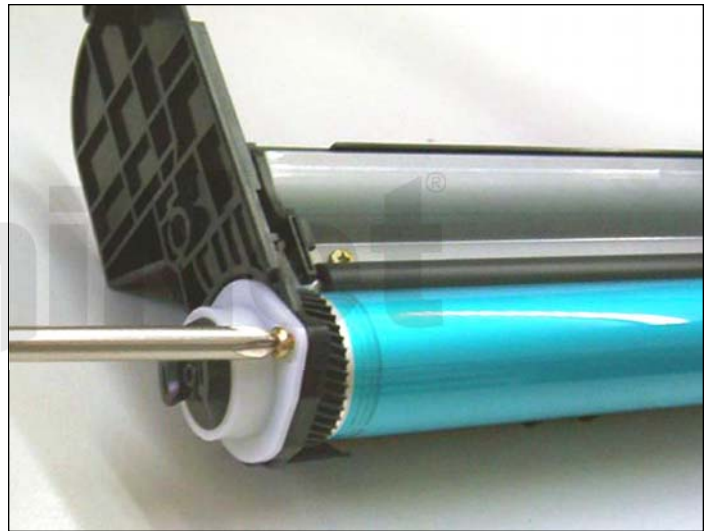
14. Lift evenly to separate the drum unit from the cartridge.



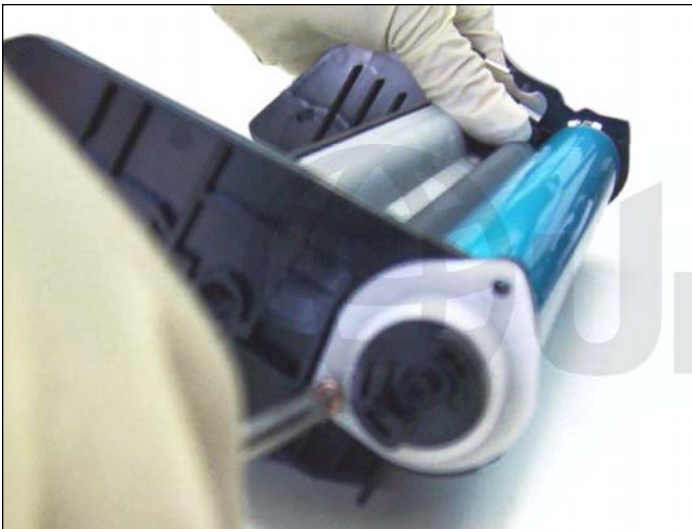
15. Drum unit removed.



16. You are now ready to disassemble the drum unit.



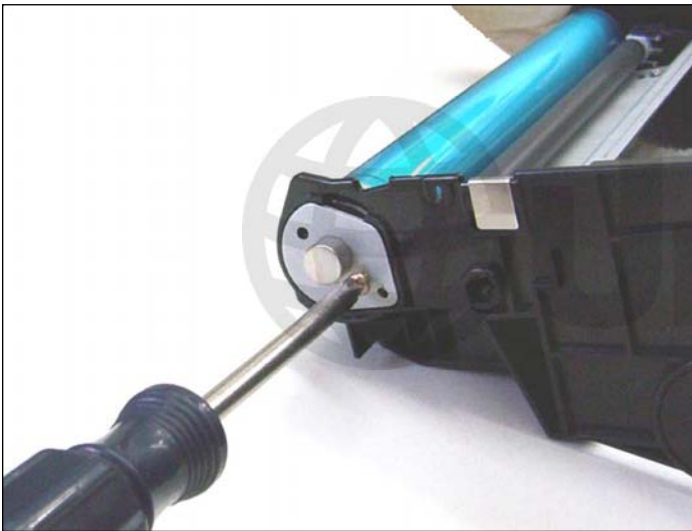
17. Remove the top screw of the drum gear holder.



18. Remove the bottom screw of the drum gear holder.



19. Remove the drum gear holder by pulling it out.



20. Remove the two drum pin screws on the other side.



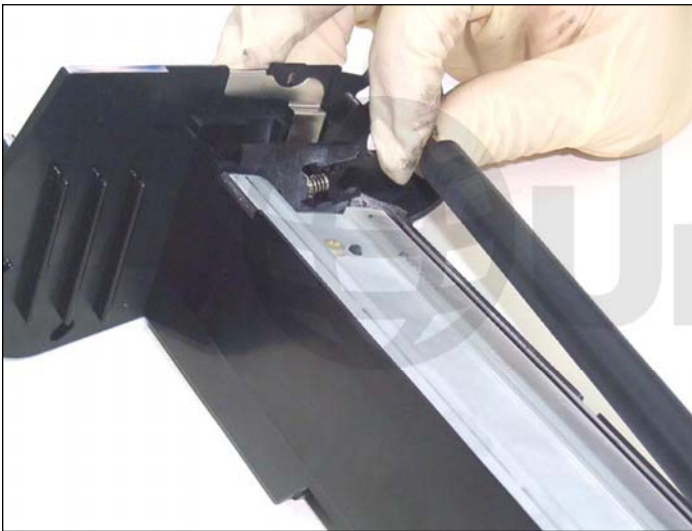
21. Remove the drum pin by pulling it out.



22. Carefully remove the drum.



23. You are now ready to remove the PCR.



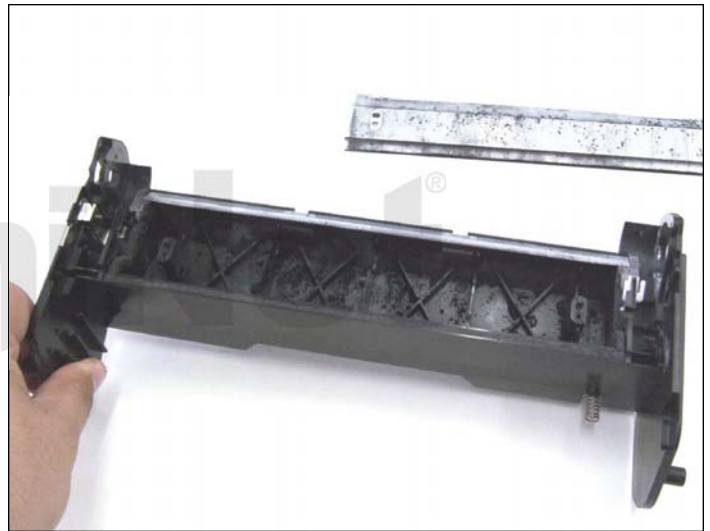
24. Remove the PCR by un-clipping it from the white and black holders.



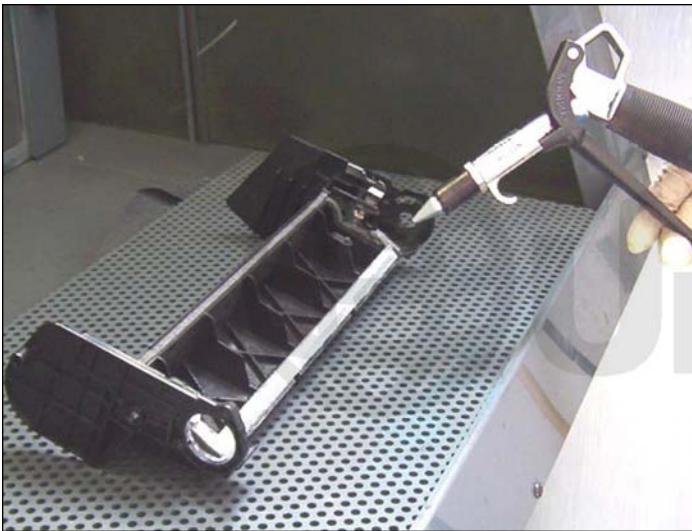
25. Remove the wiper blade by unscrewing the two gold-colored screws at each end that hold it in place as shown.



26. Lift the wiper blade evenly from the waste hopper.



27. You are now ready to clean the wiper blade and waste hopper.



28. Use air pressure to blow out any remaining toner.



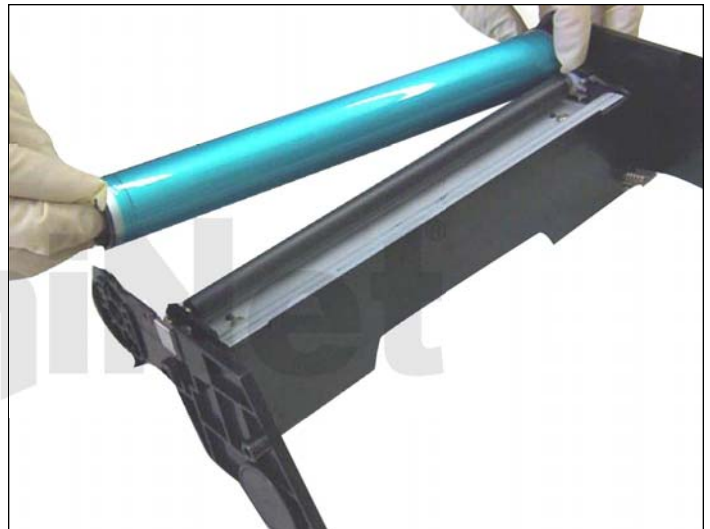
29. Once clean, you are now ready to reassemble the wiper blade.



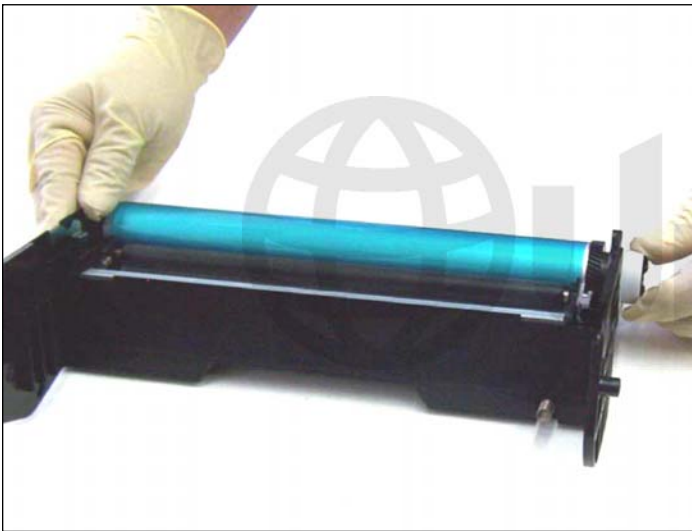
30. Reinstall the wiper blade back into position with the two gold-colored screws as shown.



31. Reinsert the PCR into the clips by using slight force.



32. Reinsert the OPC gear side first.



33. Reinstall the remaining drum holder on the opposite side.



34. Line up the drum pin and screw back into place.



35. You are now ready to disassemble the toner cartridge.



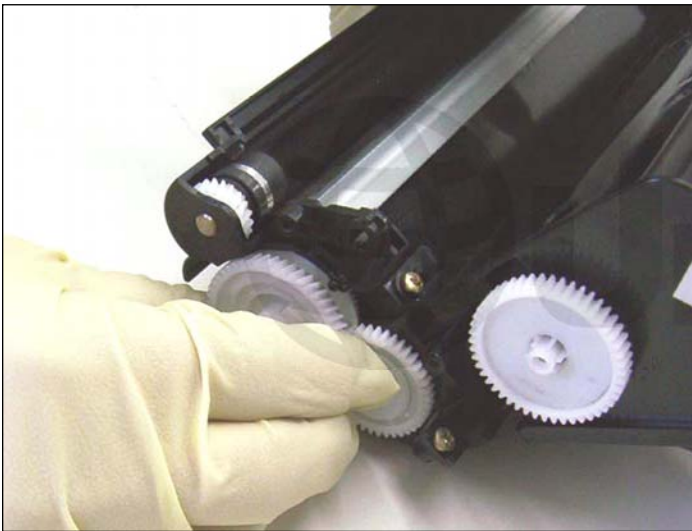
36. Remove the end-cap on the gear-side of the toner cartridge by first removing two gold-colored screws as shown.



37. The end-cap should then slide out.



38. Remove all gears from the cartridge shown.



These gears are designed to fit one way, so reinstalling won't become too difficult.



39. Unlock the magnetic roller by lifting up the lever shown on the gearless side of the cartridge.



40. Once the lever has been lifted, remove that side of the roller first.

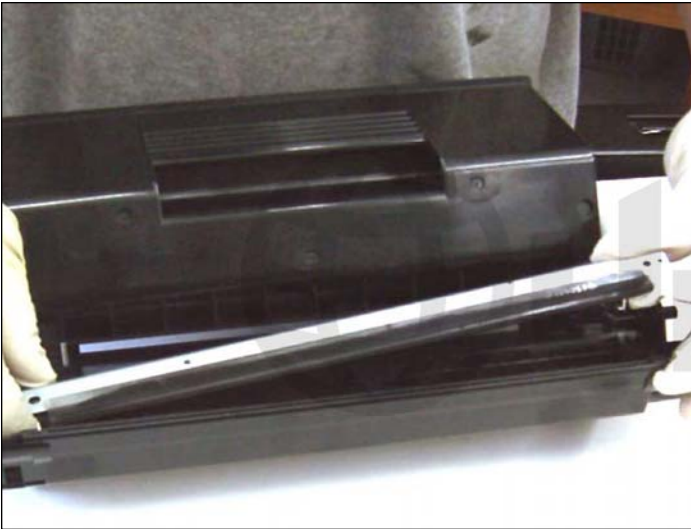


41. Continue with the other side until the magnetic roller is completely removed.

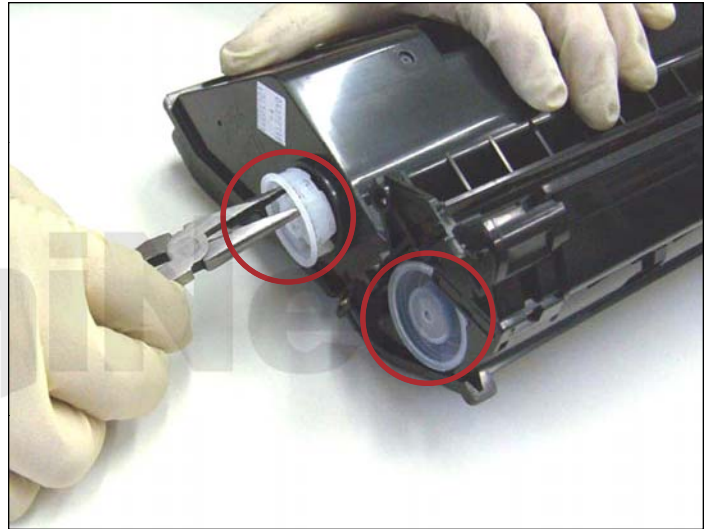


42. Now you are ready to remove the doctor blade.

Remove the two gold-colored screws shown.



43. Lift the doctor blade out as shown.



44. Using a pair of needle-nose pliers, pull out the two fill plugs located on the gearless side. Empty and clean thoroughly using compressed air or a vacuum.



REMOVING THE TONER HOPPER

45. Remove all four corner screws that hold the toner hopper and cartridge together.



46. Toner hopper removed. Note the two foam seals located at the bottom of the hopper. These foam seals surround holes where toner passes through to the developer roller. Residual toner can build up in these areas, so it is important to clean thoroughly before reinstalling the hopper.



47. Clean the hopper and toner cartridge using compressed air or a vacuum. Refill and reassemble following the previous steps in reverse.

NOTE: A new replacement smartchip must be fitted after reassembly of the toner cartridge.