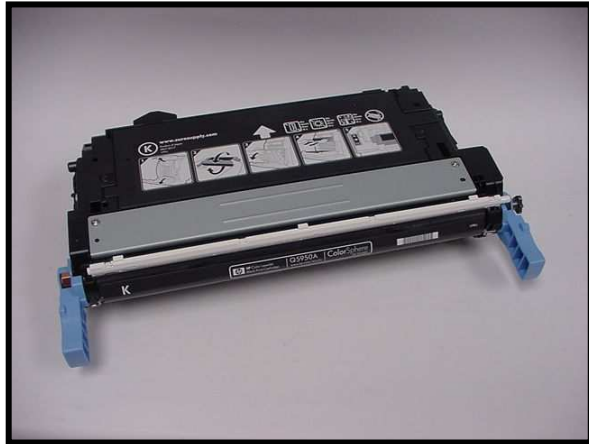


Remanufacturing Instructions

HP Color LaserJet 4700



For Technical Support, please call Memphis, TN at (800) 322-8992 ext 111.



OEM Reference Information:

<u>Part#</u>		<u>Yield@ 5%</u>
Q5950A	<i>Black</i>	11000
Q5951A	<i>Cyan</i>	10000
Q5952A	<i>Yellow</i>	10000
Q5953A	<i>Magenta</i>	10000

1. Release the tension spring from the cartridge post located near the blue cartridge handle (Fig.1).

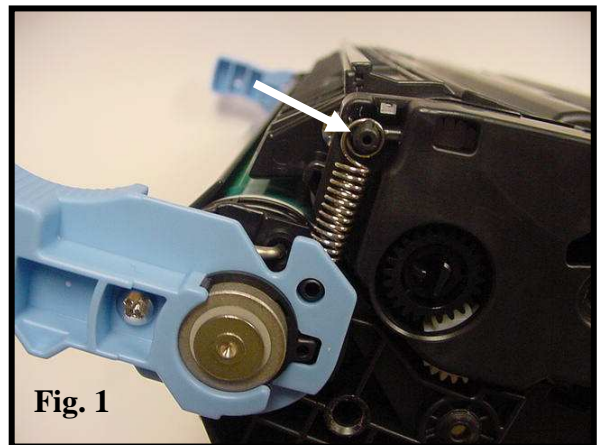


Fig. 1

2. Two pins located on each side of the cartridge secure the toner section to the drum unit. There is plastic covering a portion of the pin to prevent removal (Fig. 2).

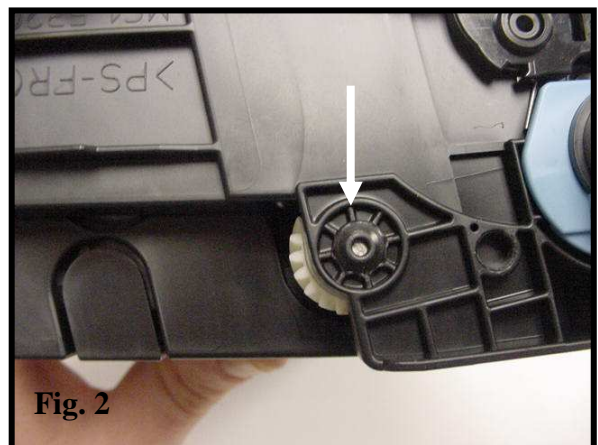
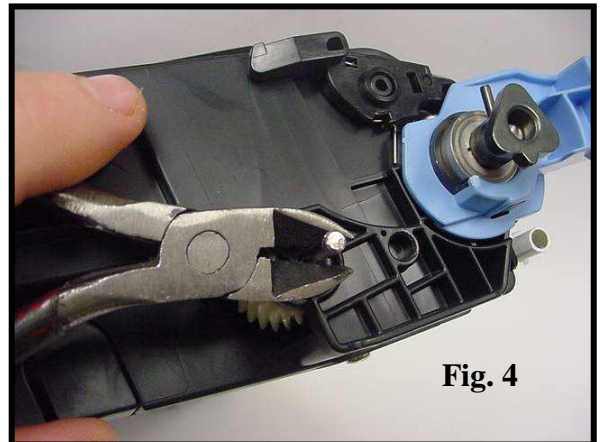


Fig. 2

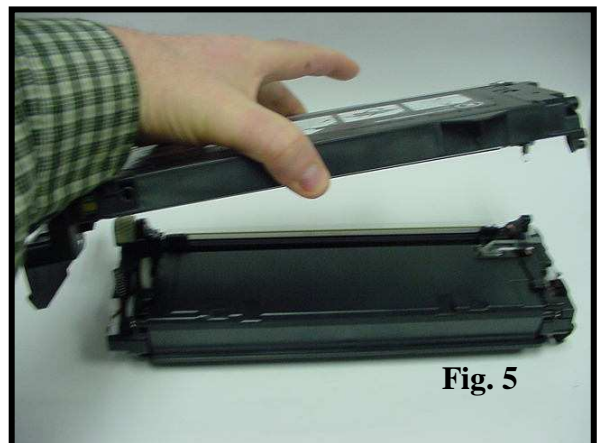
3. Use a utility knife to remove the plastic that covers the cartridge pins on each side of the cartridge (Fig. 4). Use a small drill bit to remove some of the plastic on each side of the pin. This will enable you to access the pin easier with pliers.



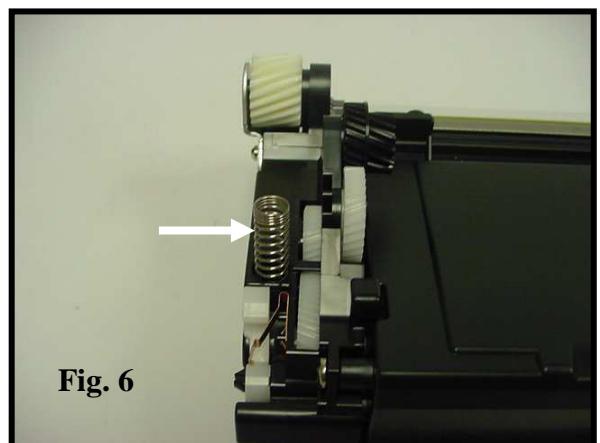
4. Use pliers to remove the two pins (Fig. 4). The pins are different lengths. The long pin is located on the gear side of the cartridge, a shorter pin is located on the opposite side.



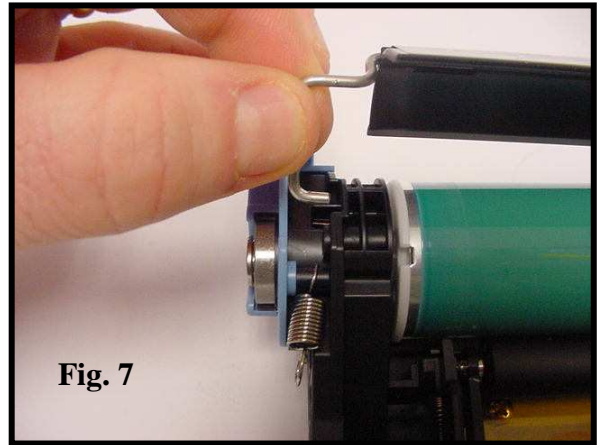
5. Once the pins are removed, separate the two cartridge halves (Fig. 5).



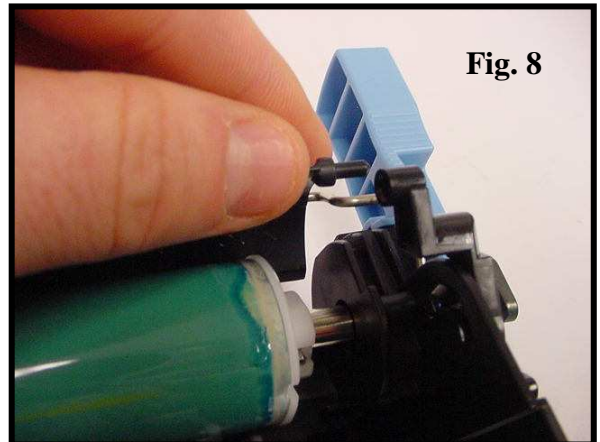
6. Locate and remove the tension spring on the geared side of the toner hopper (Fig.6).



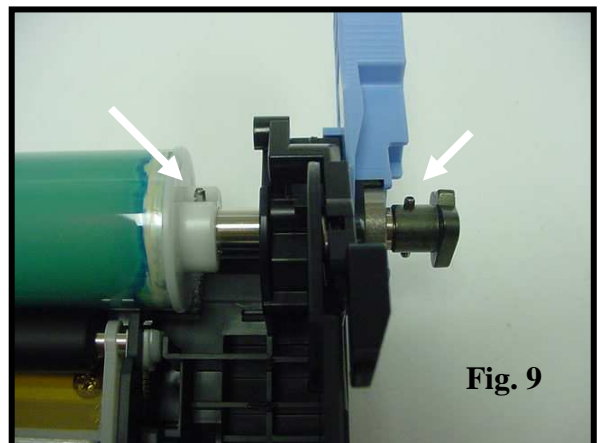
7. Starting with the drum section.
Remove the wire end of the drum shutter
from the cartridge (Fig. 7).



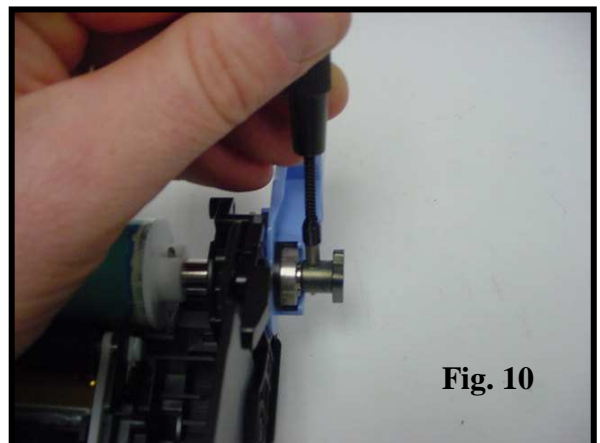
8. On the opposite side of the cartridge,
remove the drum shutter from the shutter
arm (Fig. 8). Remove the drum shutter
from the drum unit.



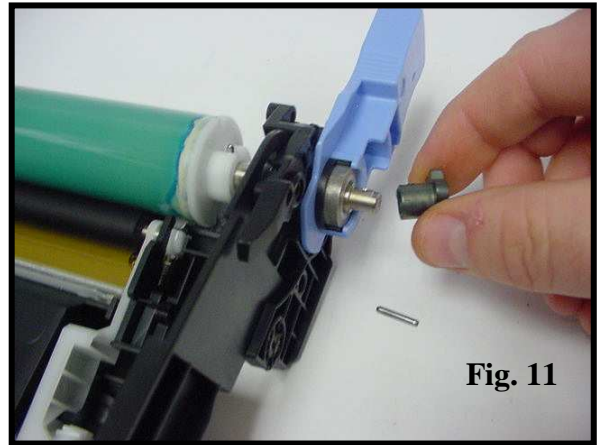
9. Two metal locking pins secure the
drum to the drum axle on the drive gear
end of the cartridge (Fig. 9).



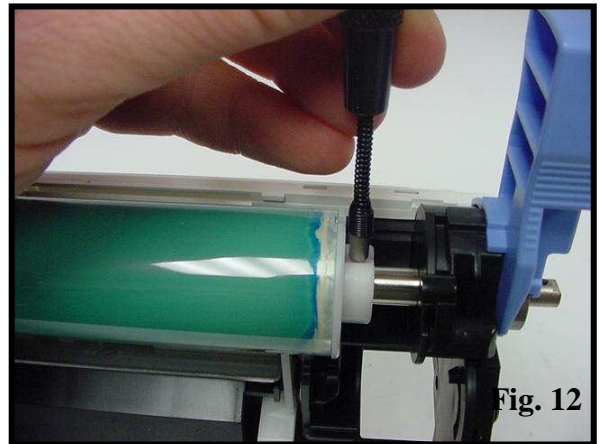
10. Use a pin removal tool to remove the
pin that secures the drive unit (Fig.10).



11. Once the pin is removed, remove the drive unit (Fig. 11).



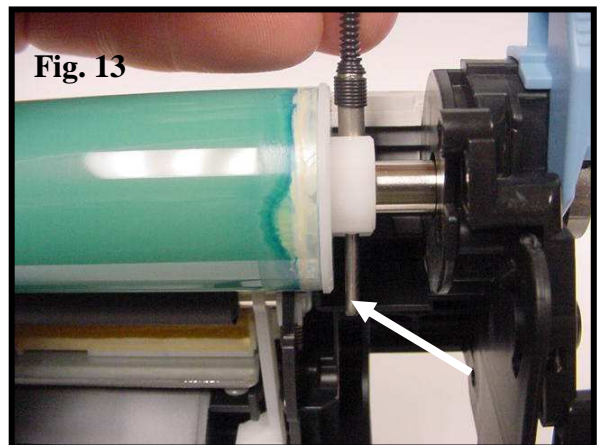
12. Use a pin removal tool to remove the pin that secures the drum to the axle (Fig.12).



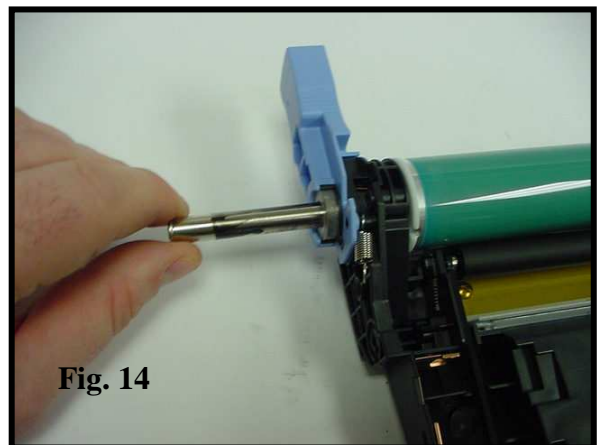
TECH TIP

Turn the drum axle pin in a vertical position to guard against driving the pin into the cartridge.

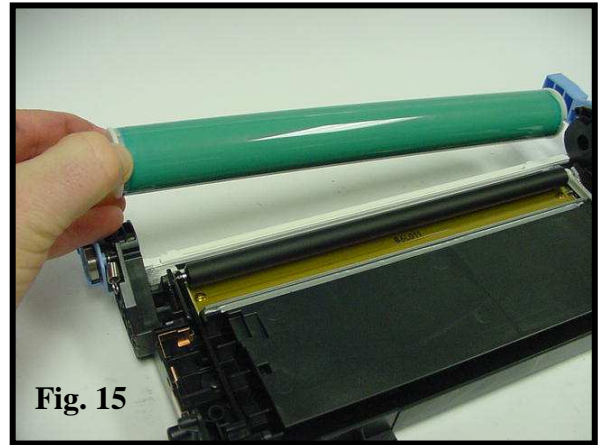
13. Use the pin removal tool to drive the pin through the drum axle (Fig. 13).



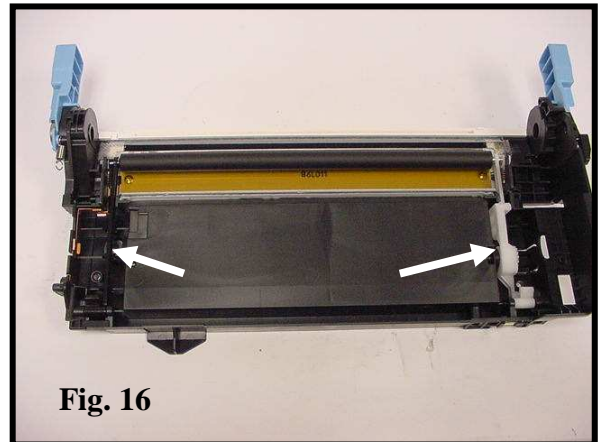
14. Remove the drum axle from the cartridge (Fig.14).



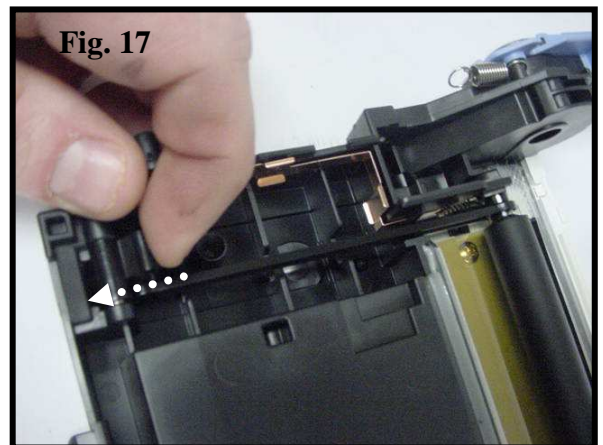
15. Remove the drum from the cartridge (Fig. 15).



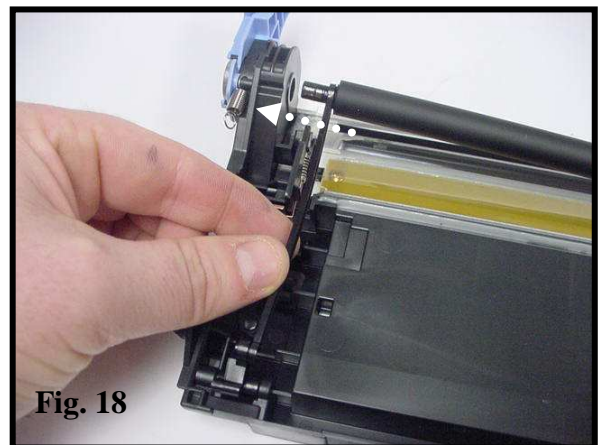
16. Two retaining clips hold the PCR in place (Fig. 16). A black one on the left, and a white one on the right.



17. Pull back on the black clip in the area indicated (Fig. 17). This will extend the clip and release the PCR post from the PCR saddle.

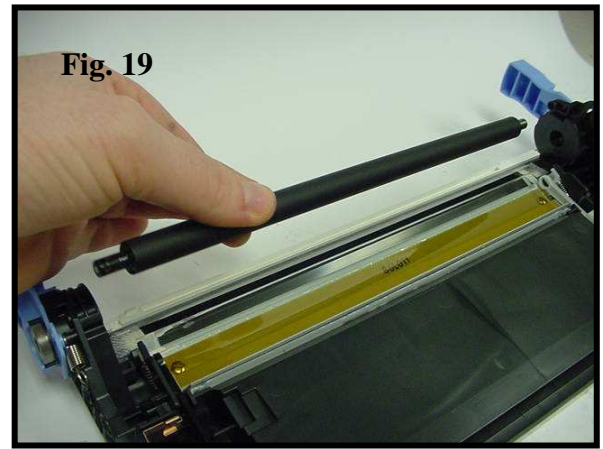


18. Lift up on the clip and remove it from the PCR post (Fig. 18).



19. Slide the PCR out from the saddle and the clip on the opposite side to remove (Fig. 19).

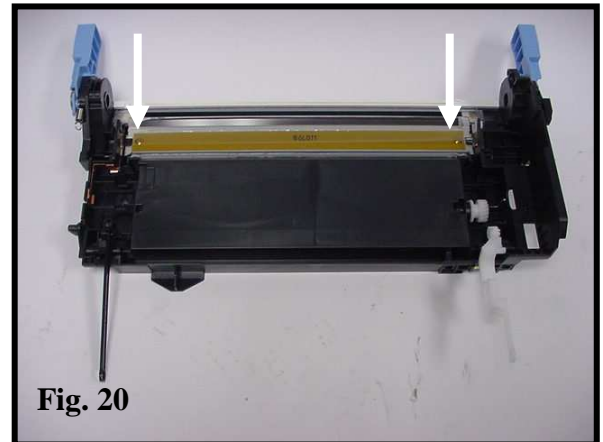
Note: There is conductive grease on the PCR post and the contact saddle. Be careful not transfer the grease to the PCR surface when removing it.



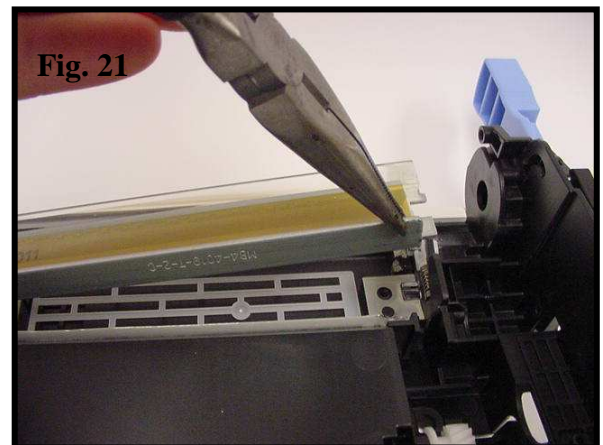
TECH TIP

Vacuum the toner out of the cartridge before removing the wiper blade to alleviate toner from adhering to gaskets and seals.

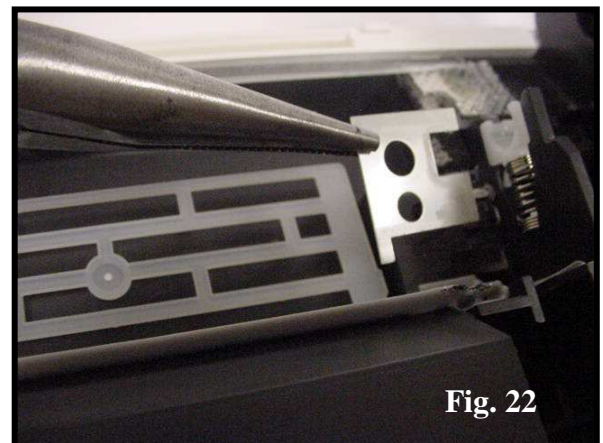
20. Remove two screws from the wiper blade (Fig. 20).



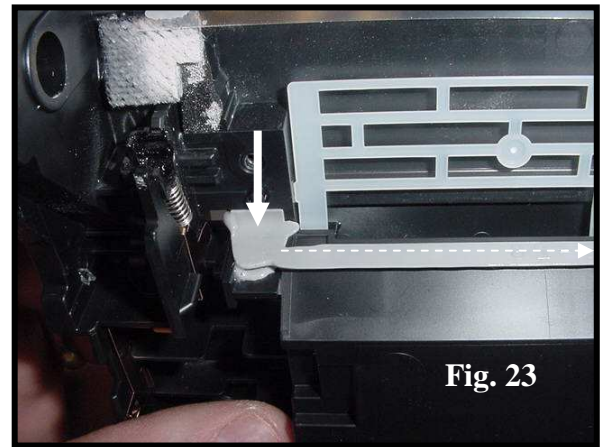
21. Remove the wiper blade (Fig. 21).



22. Remove the shims from each end of the waste bin (Fig.22).



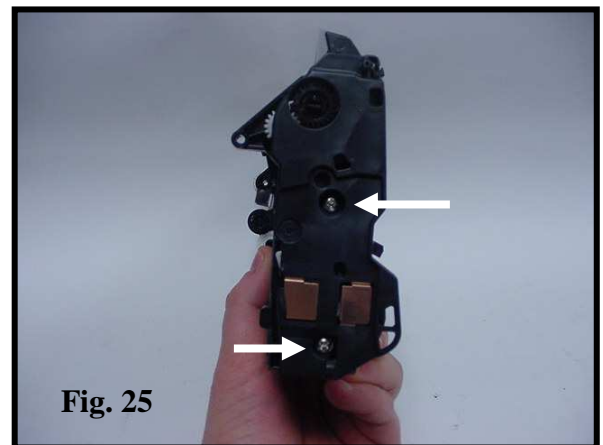
23. The OEM has a type of caulking that seals the back edge of the wiper blade to the waste bin (Fig. 23). If it is not damaged when removing the blade it can be reused. If damaged, replace with caulking.



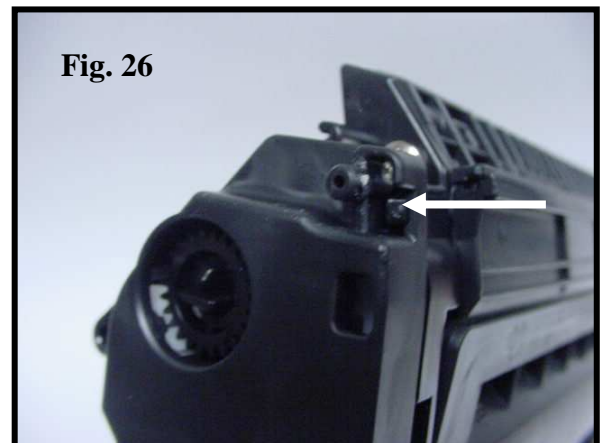
24. Clean the waste bin thoroughly of all remaining toner. Clean and or replace all major cartridge components. Clean and re-apply all contacts with conductive grease. Reassemble in reverse order (Fig. 24).



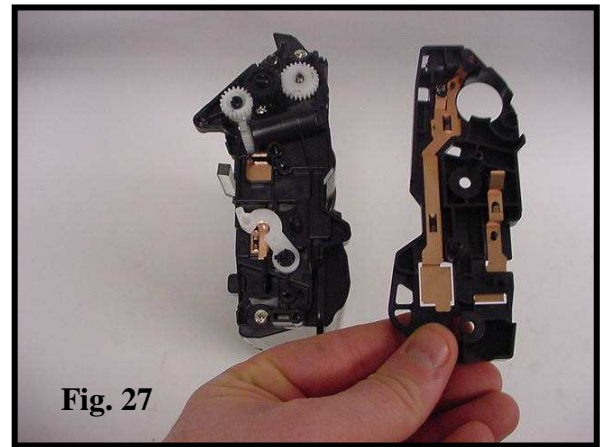
25. Remove two screws from the contact side of the toner hopper (Fig. 25).



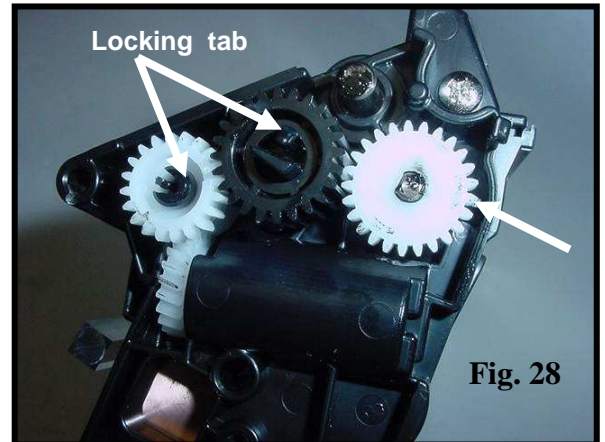
26. Release the locking tab on the top of the end cap to release it from the cartridge (Fig. 26).



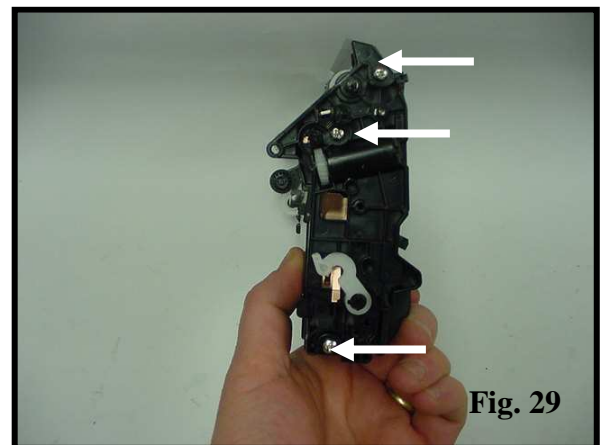
27. Remove the end cap from the toner hopper (Fig. 27).



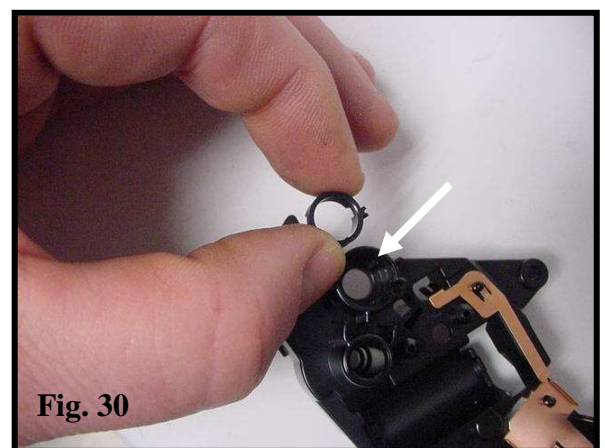
28. Remove the three gears from the cartridge. Two of the gears are held in place with a locking tab (Fig. 28). Release the tab to remove the gears.



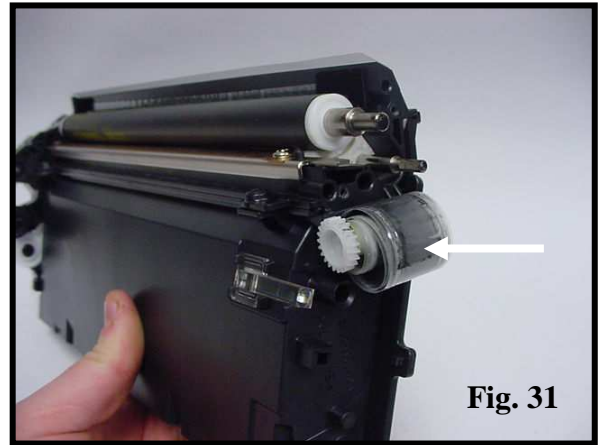
29. Remove three screws from the inner endplate (Fig. 29).



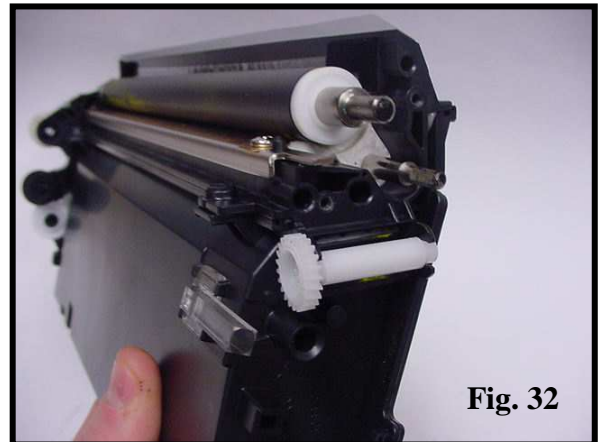
30. Remove the inner end plate. Be careful not to lose the developer roller stabilizer (Fig. 30) when removing the end plate. The stabilizer is notched and is seated in the end plate.



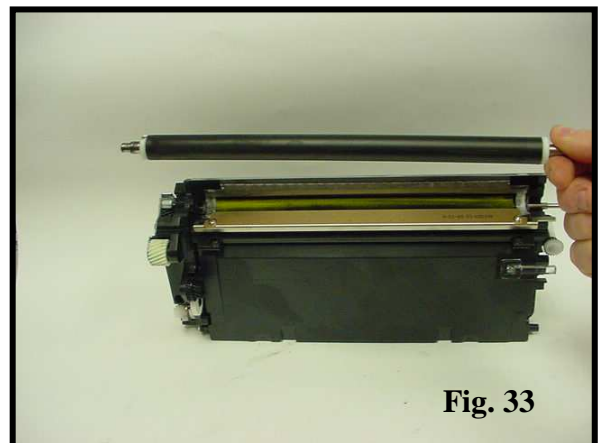
31. The OEM cartridge has a self retracting seal located on the side (fig. 31).



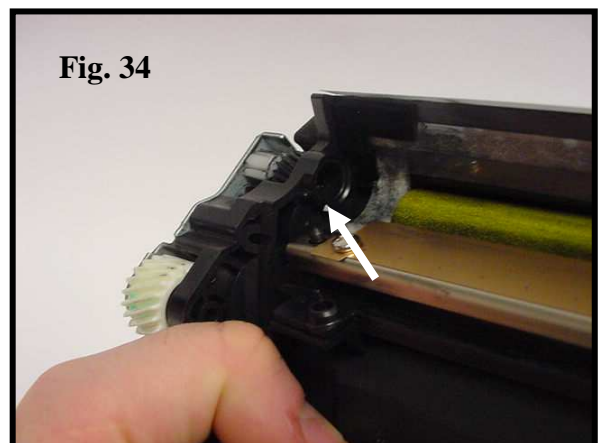
32. Remove the seal from the geared spool on the side of the cartridge (Fig. 32).



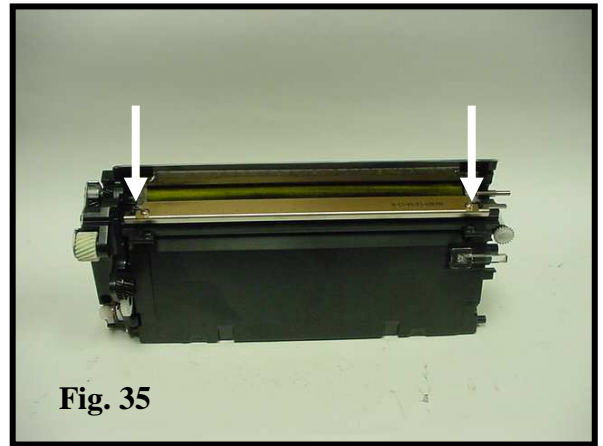
33. Remove the developer roller from the cartridge (Fig. 33).



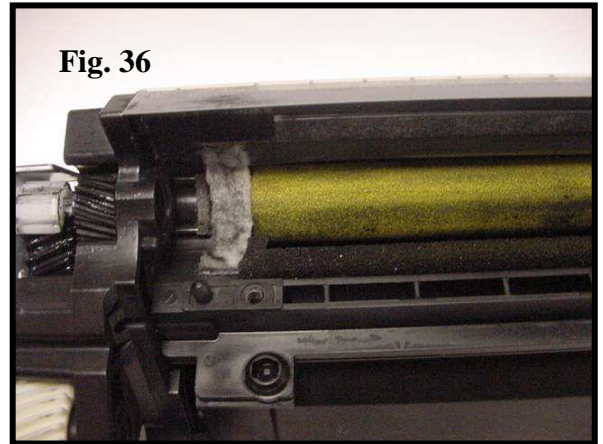
34. A developer roller stabilizer identical to the one in Figure 30 is located on the geared end of the cartridge. Remove and set aside so it is not lost in the cleaning process (Fig. 34).



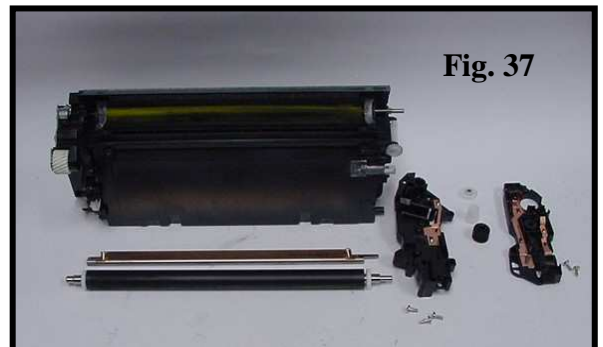
35. Remove two screws that secure the doctor blade to the hopper (Fig. 35). Remove the doctor blade.



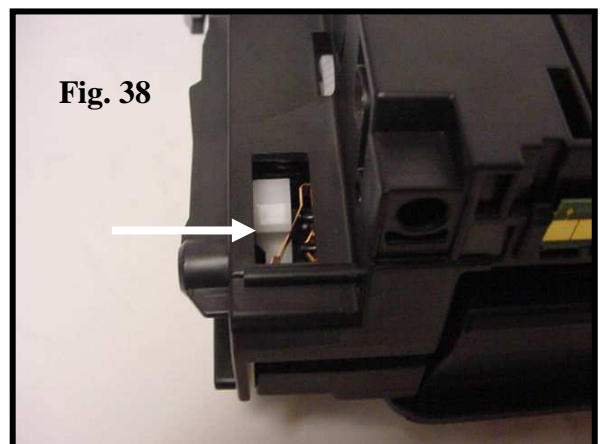
36. Clean the toner hopper of all remaining toner thoroughly. Use compressed air or a vacuum to clean the foam roller in the toner hopper thoroughly. Ensure that the end felts are not damaged to prevent leaking. Fill the hopper through the developer roller opening with the correct toner and gram load. An after market seal is currently under development (Fig. 36).



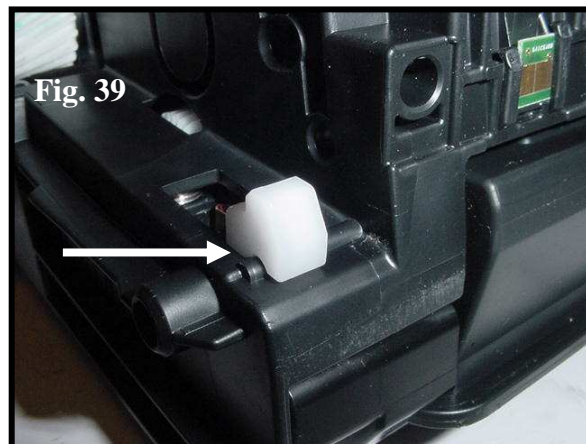
37. Clean or replace components and reassemble the toner hopper in reverse order (Fig. 37). Connect the reassembled cartridge halves with the cartridge pins.



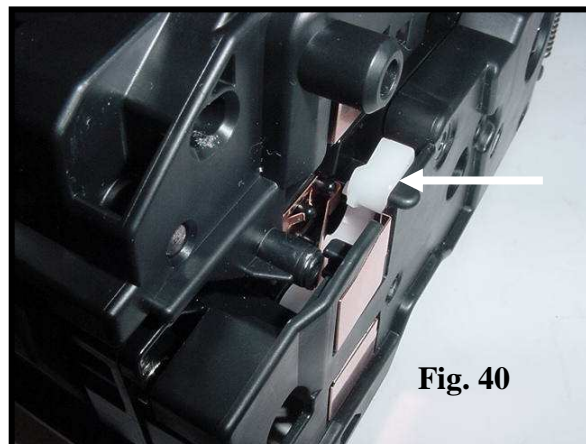
38. With the cartridge fully reassembled, locate the shipping locks on each end of the cartridge (Fig. 38).



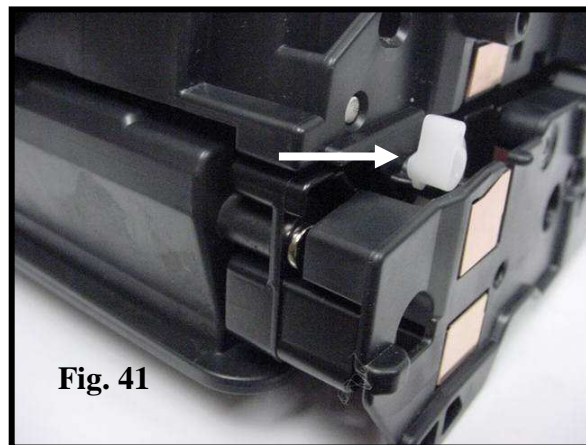
39. Pull the lock up from the housing and set in the locked position (Fig. 39).



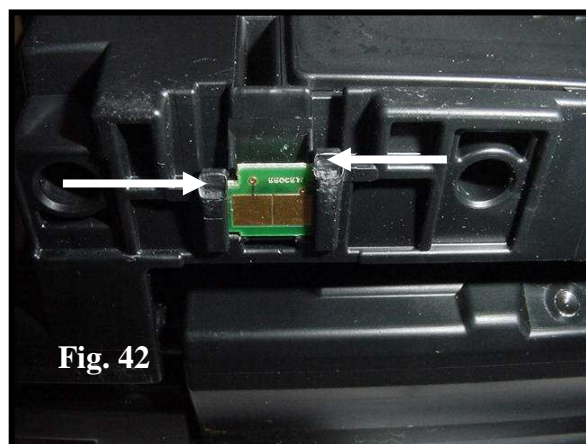
40. Locate the lock on the opposite side of the cartridge located near the cartridge contacts (Fig. 40).



41. Pull the lock up from the housing and set in the locked position (Fig. 40). These locks prevent damage during shipping and will automatically be released when the cartridge is inserted into the printer.



42. Use a utility knife to cut the plastic indicated (Fig. 42) to remove the OEM chip.



43. Remove OEM chip and replace with the proper aftermarket chip (Fig.43).

TECH TIPS

During the reassembly process, insert the drum axle from contact side of the drum to avoid breaking the contacts.

Apply toner onto wiper blade and drum after reassembly.

Do not over torque the wiper blade screws for it will cause the wiper blade to warp. A warped wiper blade will produce streaking.

A full calibration on the remanufactured cartridge as described in the HP 4700 Series Service Manual is imperative to ensure quality prints.

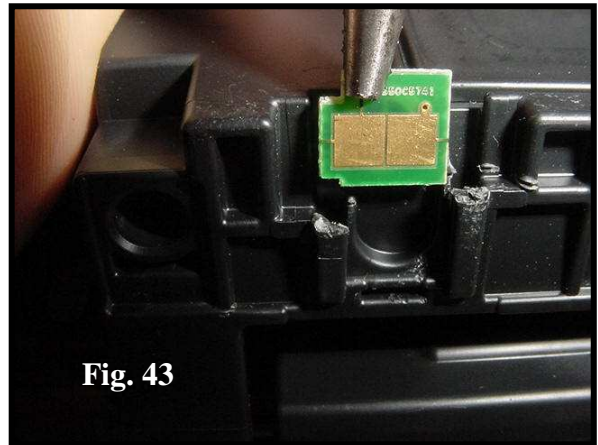


Fig. 43

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Fax: (603) 386-7575

Europe
Netherlands
+31-24-388-2233
Fax: +31-24-355-7373