

Remanufacturing Instructions

HP 4600 Drum Unit and Toner Hopper Unit



For Technical Support, please call Memphis, TN at (888) 757-0762 or Nashua, NH at (888) 833-5727.



OEM Reference Information:

OEM Part Number	OEM Yield
Cyan C9721A	8,000 pages @ 5% toner coverage
Magenta C9723A	8,000 pages @ 5% toner coverage
Yellow C9722A	8,000 pages @ 5% toner coverage
Black C9720A	9,000 pages @ 5% toner coverage

Drum Unit Instructions

1. Two pins, located on each side of the cartridge, secure the two cartridge halves. The pins are flush with the cartridge housing and cannot be removed with pliers.

On the top of the cartridge, there are two small squares on each end in line with the cartridge pins. This area must be drilled out to remove the cartridge pins.

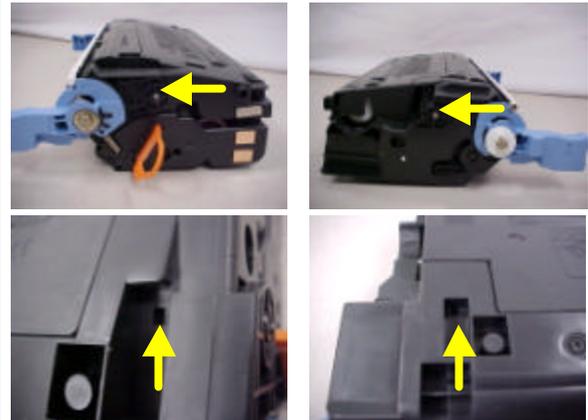


Fig. 1

2. Using a ¼ inch drill bit, drill through the square notches on the top of the cartridge on both sides to locate the cartridge pins.

NOTE: Drill in the center of the square notch. Failure to do so can cause you to break the PCR housing on the inside of the cartridge.



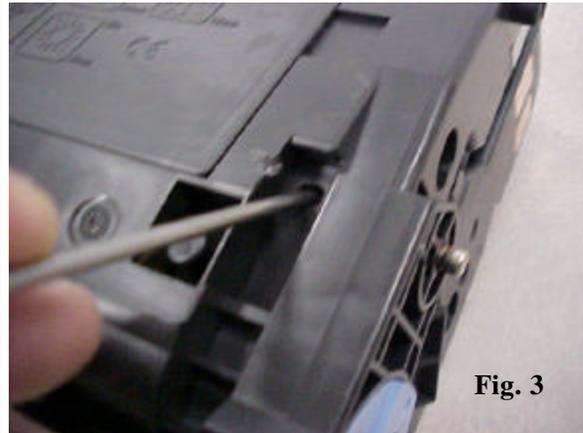
Fig. 2

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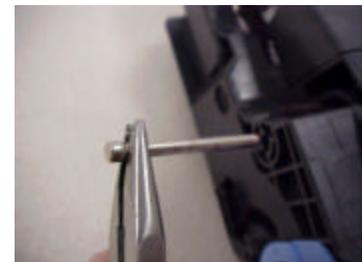
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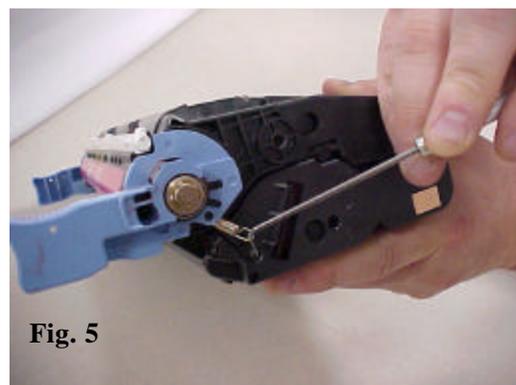
3. Using a small flathead jewelers screwdriver, insert into the drilled hole and push the cartridge pin out of the cartridge.



4. Use the same procedure on the opposite pin. Needle nose pliers will be necessary to remove the pin from the cartridge because they cannot be pushed all the way out with the small screwdriver.



5. Remove the tension spring from the end of the cartridge.



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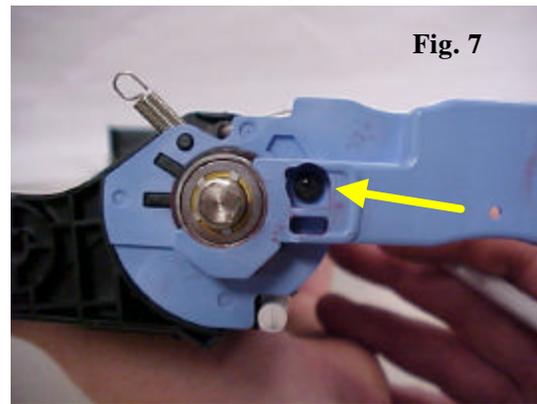
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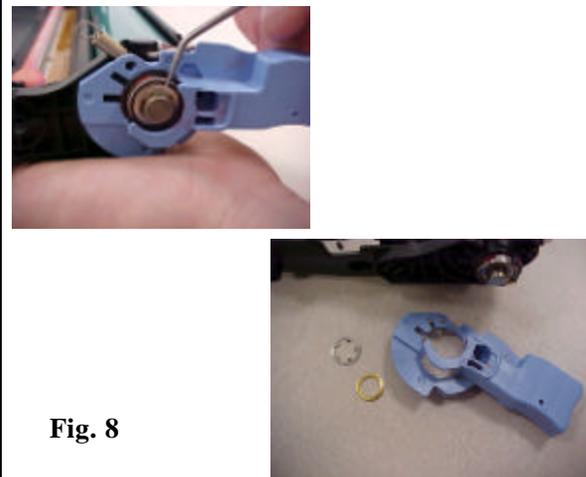
6. Separate the cartridge halves.



7. Starting with the drum section, remove the small screw from the cartridge handle where the tension spring is located.



8. Remove the axle retaining ring, as well as the small brass washer behind it from the drum axle.

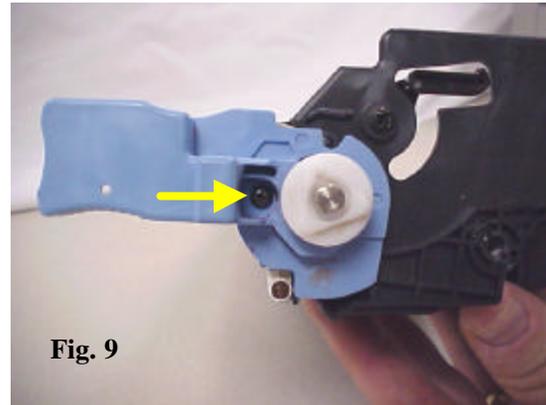


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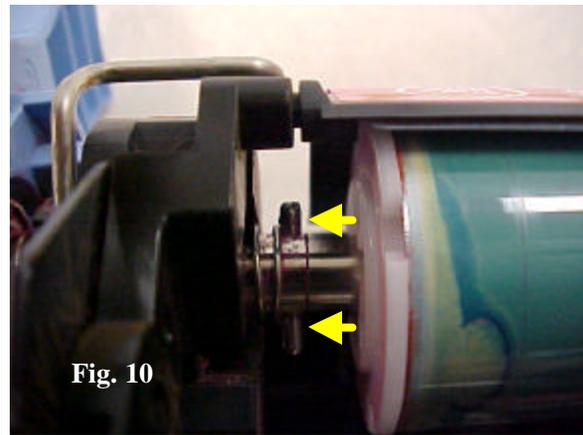
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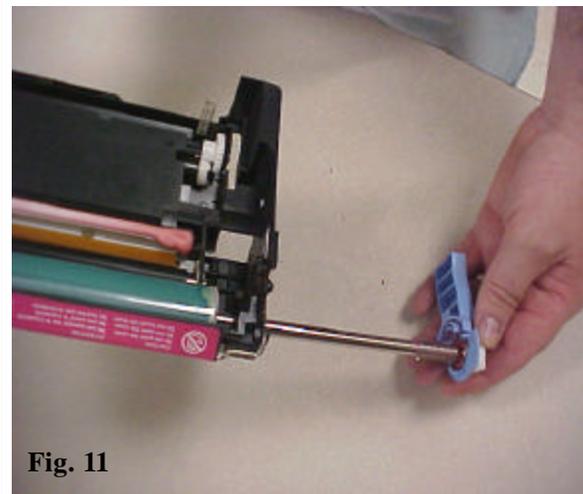
9. Remove the small screw from the cartridge handle on the drive gear side of the drum section.



10. The axle rod is secured to the handle. It is also keyed into the hub of the drum.



11. Pull out on the handle to remove the axle rod from the drum.



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12. Remove the drum and the PCR.



Fig. 12

13. Remove the two screws that secure the wiper blade. The wiper blade has a Mylar attached to the metal stamping.

Remove the foam from the back of the metal stamping on the wiper blade. This foam prevents leaking from the waste bin and will need to be replaced.

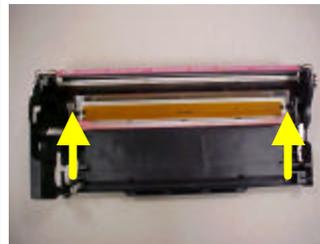


Fig. 13

14. Clean the waste bin thoroughly of all residual toner and replace worn components and reassemble the drum unit in reverse order.

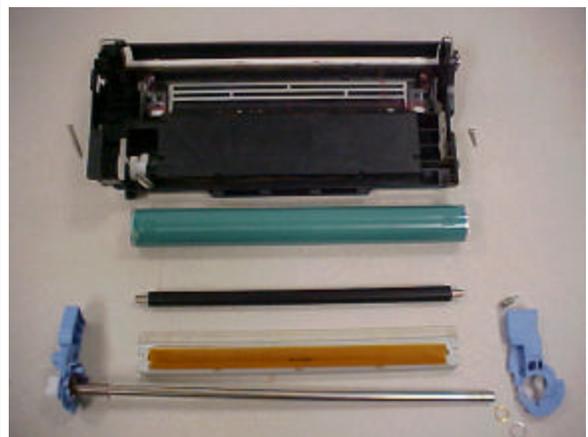


Fig. 14

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Toner Hopper Unit Instructions

15. Remove one screw from the left end cap.



16. Once the screw is removed, the end cap is still held in place by a locking tab on the top of the end cap. Release this tab to remove the cap.



17. Remove the cap from the end of the toner hopper unit.



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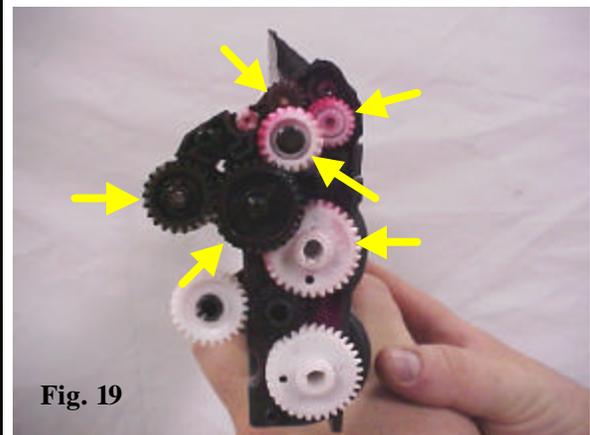
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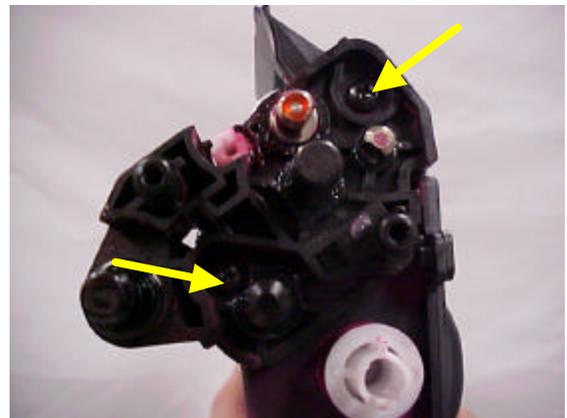
18. Remove the two screws that secure the gear side end cap to the left side of the toner hopper.



19. Remove the end cap. Remove six gears and note the orientation of them for reassembly.



20. Once the gears are removed, remove two screws that secure the developer roller housing.



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21. Remove the developer roller housing.

NOTE: Be careful not to lose the small developer roller bearing that sits in the posthole in the housing.

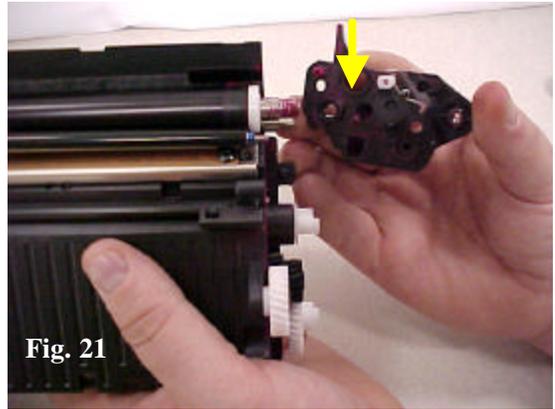


Fig. 21

22. Remove the toner-charging roller.



Fig. 22

23. Remove the developer roller from the hopper section.

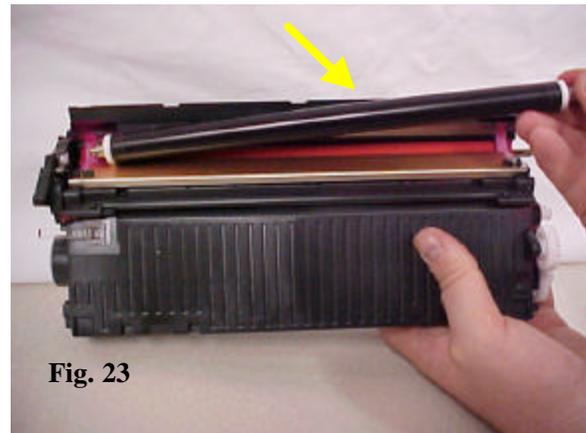


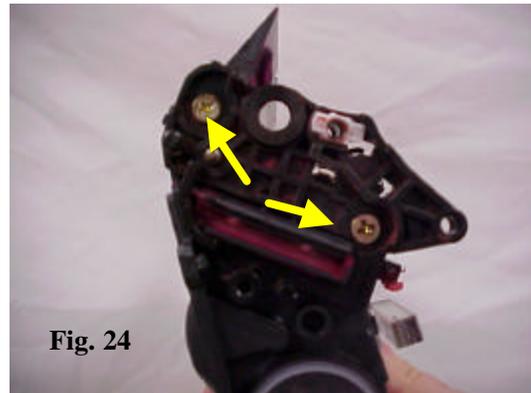
Fig. 23

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24. Remove two screws that secure the developer roller housing on the opposite end of the toner hopper section.

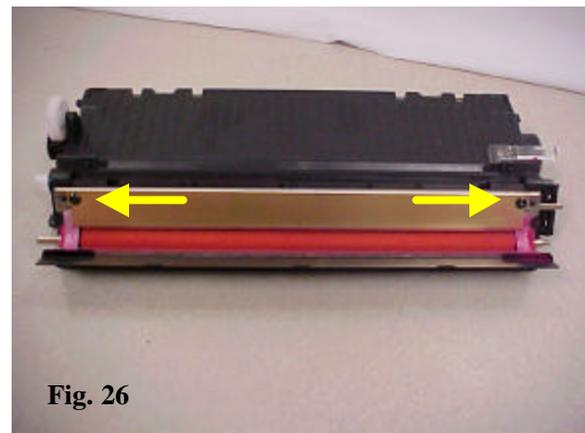


25. Remove the developer roller housing.

NOTE: Be careful not to lose the small developer roller bearing that sits in the posthole in the housing.



26. Remove the two screws that secure the doctor blade to the toner hopper.



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26. To remove the toner adder roller, lift up on the sealing felt on the left end of the toner hopper. During reassembly, this felt will need to be replaced.

NOTE: Sealing felts are located on each of the adder roller. They prevent the toner from leaking in this area. Clean and replace during reassembly.

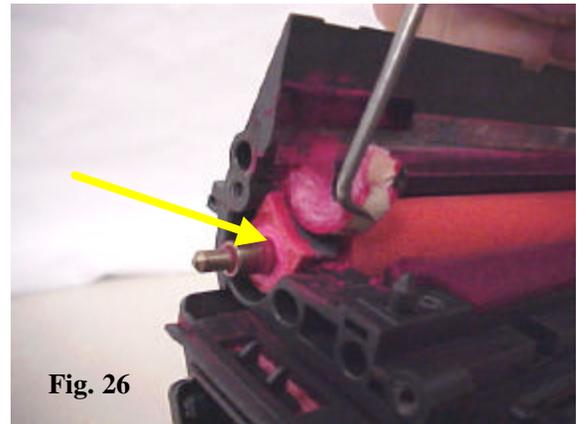


Fig. 26

27. Remove the adder roller and clean thoroughly with compressed air. It is critical if re-using the adder roller to clean it of all residual toner. If not cleaned thoroughly, toner contamination can be caused.

Clean the toner hopper of all remaining residual toner.



Fig. 27

28. Split the toner hopper section with your preferred method of splitting or tooling so the toner hopper can be sealed.

NOTE: Arrows indicate where replacement foams will be needed when sealing the cartridge. The OEM foams are damaged when splitting the hopper section.



Fig. 28

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