Remanufacturing Instructions
HP 1160 Toner Cartridge

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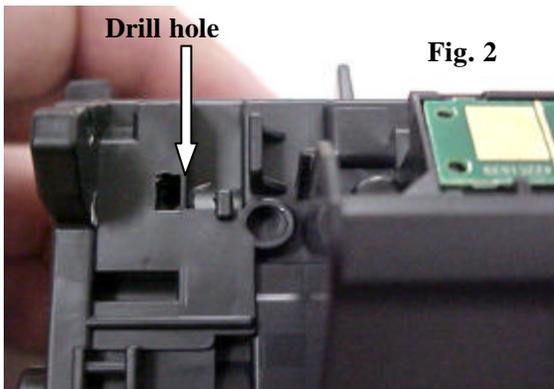
OEM Reference Information

OEM Product #:
Q5949A

OEM Yield:
2,500 pages

Fig. 1

1. Before separating the cartridge halves, remove the OPC protective shutter.

2. To remove the shutter, insert a small flat-head screwdriver underneath it and pry up.

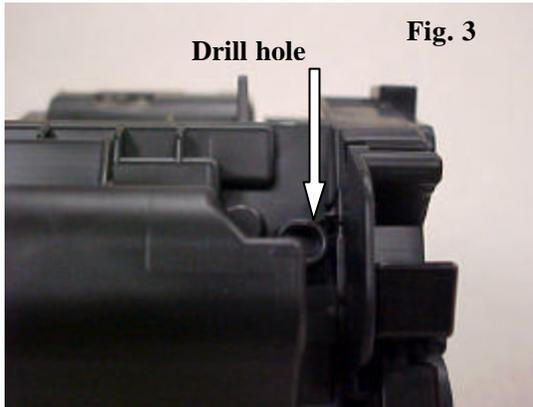*It is recommended to leave the small recoil spring attached to the shutter to prevent losing it.*

Drill hole

Fig. 2

3. To separate the cartridge halves, drill a small hole in the area indicated in Fig. 2. The hole allows the metal pins that secure the cartridge sections together to be pushed out.
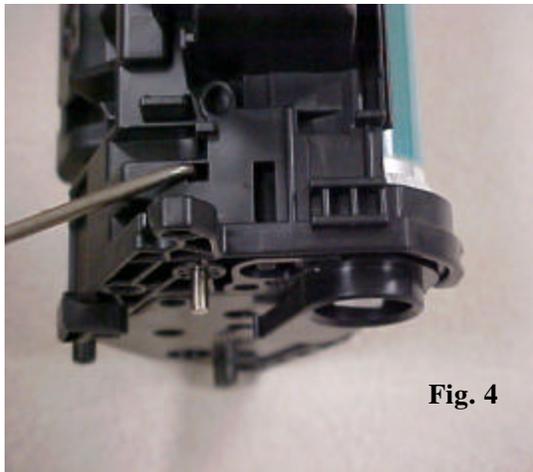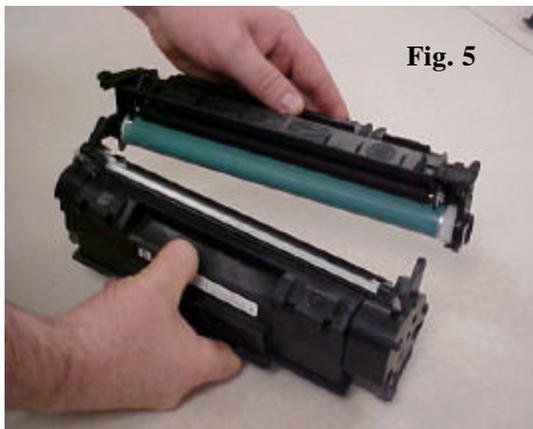
Fig. 3

Drill hole

4. On the opposite side of the cartridge, drill a small hole as indicated in Fig. 3 to remove the metal locking tab.

Fig. 4

5. After drilling the holes on both ends of the cartridge, push the pins out of the cartridge.

It is recommended that you use a spring removal tool to push out the pins.

6. Repeat this same operation on the other side of the cartridge.

Fig. 5

7. After removing the locking tabs, separate the two sections.

NOTE: Take care not to damage the magnetic developer roller.

Fig. 5

8. To remove the OPC, insert a small flat-head screwdriver between the end of the OPC and the inner cartridge wall.
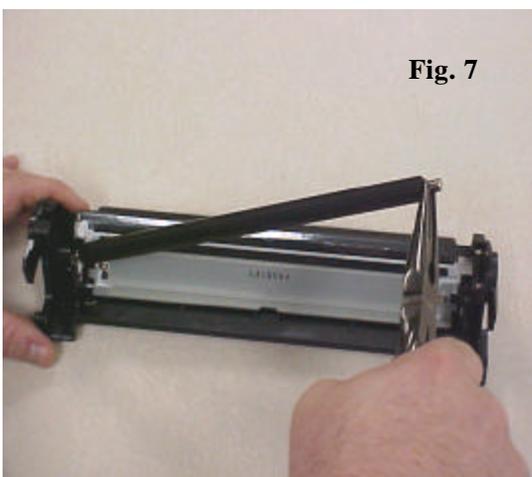
9. Hold the cartridge wall and gently pry the screwdriver outward. This will push the OPC axle out of position enough to use a pair of pliers to complete the removal process.

Fig. 6

10. Grab the exposed head of the OPC axle with a pair of pliers.

11. Hold the cartridge waste bin steady with one hand and twist.

12. Pull the OPC axle out of its position.

Fig. 7

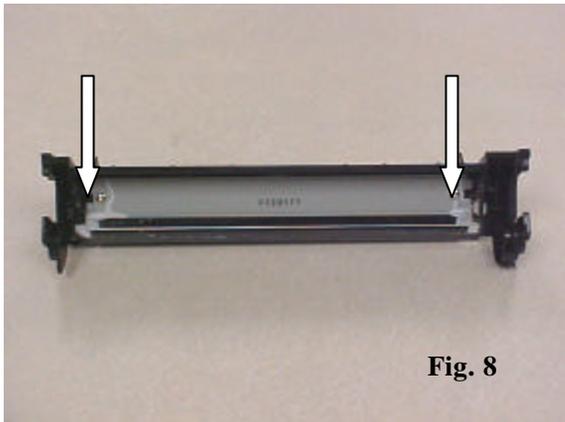**13.** Use needle nose pliers and gently pull up on the end of the PCR shaft.

14. Clean the PCR with a lint free cloth dampened with tap water.

To avoid damaging the PCR, it is recommended to wrap it in a lint free cloth and set it aside until it is time to re-install it.

Fig. 8

**15.** To change the wiper blade, remove the two screws as indicated in Fig. 8.

NOTE: Take care not to damage the recovery blade during this process.

Fig. 9

16. Clean the waste hopper section with compressed air.

17. After cleaning out the waste toner, reassemble the components in reverse order.

18. Set the waste hopper section aside until it is time to rejoin the section with the completed toner hopper section.
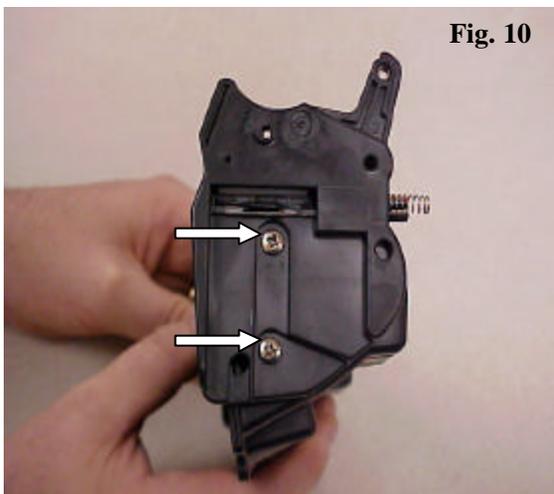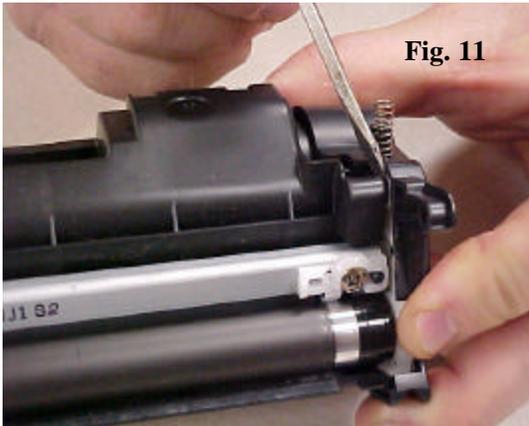
Fig. 10

19. Remove the side cap by detaching the two screws as indicated in Fig. 10 to access the toner hopper for cleaning and refilling.

Fig. 11

NOTE: The side cap remains attached to the cartridge even after the retaining screws have been removed.

20. There is a small, plastic alignment pin on the inside of the cap that is ultrasonically welded to the cartridge body. To detach, simply insert a small flathead screwdriver into the position as shown in Fig. 11 and pry outwards. This is sufficient to break the weld.

NOTE: During the reassembly process, it is necessary to use only the two retaining screws to secure the end cap to the toner hopper.

Fig. 12
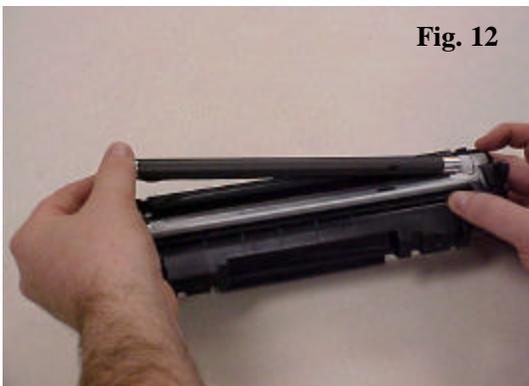
21. To remove the developer roller, grab the exposed part of the roller and pull it out.

NOTE: The developer roller stabilizer will remain in place as the end cap is not removable.

NOTE: Be careful not to loose the developer roller drive gear during the removal process. It will stay in the end cap detached from its location.

Fig. 13
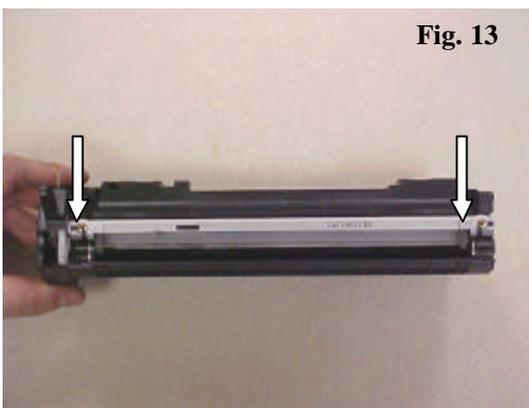
22. To remove the Dr. Blade, remove the two screws as well as the accompanying wipers.

It is recommended to replace the Dr. Blade each cycle to maintain optimum print quality.

Fig. 14

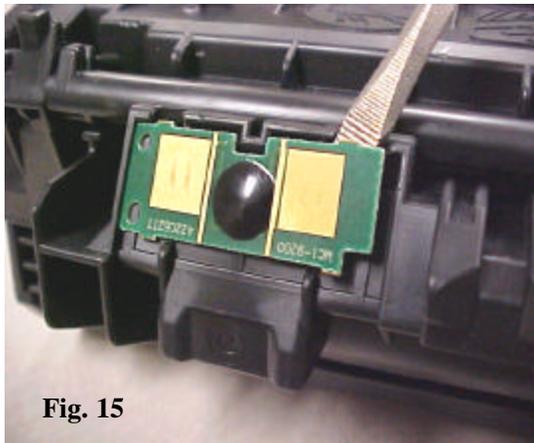**23.** After cleaning out all of the toner from the toner hopper, be sure that the electrical contacts are clean and reassemble in reverse order.

24. After completing this process, rejoin the toner hopper section to the completed waste hopper section.

Fig. 15

25. After reassembling the cartridge, it is necessary to replace the OEM chip. Remove the OEM by prying it off with a small screwdriver as shown in Fig. 15.

Before installing a new replacement chip, it is recommended to use a grounding strip to prevent any static discharge that can destroy the chip.

26. Remove the backing from the pressure sensitive adhesive on the backside of the chip and install it in the same location as the OEM chip.

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