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THE Dell 1125 MFP TONER CARTRIDGE

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Remanufacturing the Dell 1125 MFP Toner Cartridge

The Dell 1125 MFP Toner Cartridge

The Dell 1125 MFP machine was introduced in November 2007. Based on a 21ppm, 600 DPI laser engine and with a street price of less than $199.00 USD (January 2008), these machines are becoming very popular. These machines are true MFP's in that the print, copy, scan and fax. Many mfps leave out the fax option but it is standard here. They have a monthly duty cycle of 9,000 pages/month, and the ADF (Automatic Document Feeder) holds up to 30 pages. The processor is 133MHz, and the memory is fixed at 32Mb, it cannot be expanded.

The high capacity toner cartridge (2000 pages) lists for $62.99, and the low yield cartridge (1000 pages) lists for 49.99. New drum units sell for $65.00. These are all nice simple cartridges and are relatively fast to remanufacture.

It is interesting that the drum units are not available online. They are only available through Dell directly. That should make the remanufactured cartridges much more popular!

On the Dell website, I found multiple part numbers for the same cartridges. I am listing them both here. The cartridges used are as follows:

310-9318, XP092 Dell 1000 page toner cartridge
310-9319, XP407 Dell 2000 page toner cartridge
310-9320, TU031 Dell 20,000 page OPC cartridge

Tools needed:

Toner approved vacuum.

Jewelers screwdriver set

A Phillips head screwdriver

Supplies Needed:

Dell 1125 MFP toner 68g bottle

Replacement chip for toner cartridge

New Replacement drum

New Doctor blade (Optional)

New Developer Roller Sleeve (Optional)

Small bottle of Acetone (Available from your local hardware store)

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Toner Magnet cloths

Lint-free synthetic cotton 4"x 4" pads

99% pure Isopropyl Alcohol

Cotton Swabs

1) Remove the fill plug on the end of the cartridge. Dump the old toner out and discard. Vacuum the outside of the housing and the developer roller. Turn the developer roller a few times to vacuum all sides of the roller. See **Figure 1**.
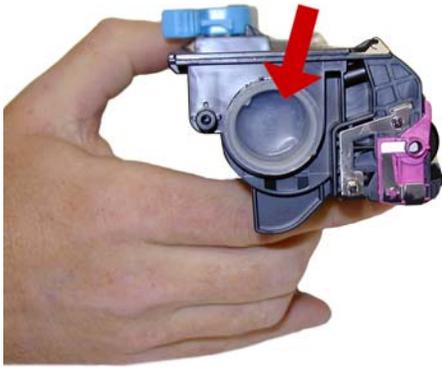

Figure 1

Although we don't recommend it, once clean, you can fill the cartridge install the plug and you're done! We don't recommend this way because the Doctor Blade needs to be cleaned each cycle. Failure to do this will allow toner to build up on the blade causing vertical streaks, and eventually a ruined Developer Roller. The best way is as follows:

2) To fully clean this cartridge, the Developer Roller must be removed.

3) Remove both springs from each side of the developer roller. See **Figure 2**

Figure 2

4) Remove the blue colored bushing from the left side. See **Figure 3**
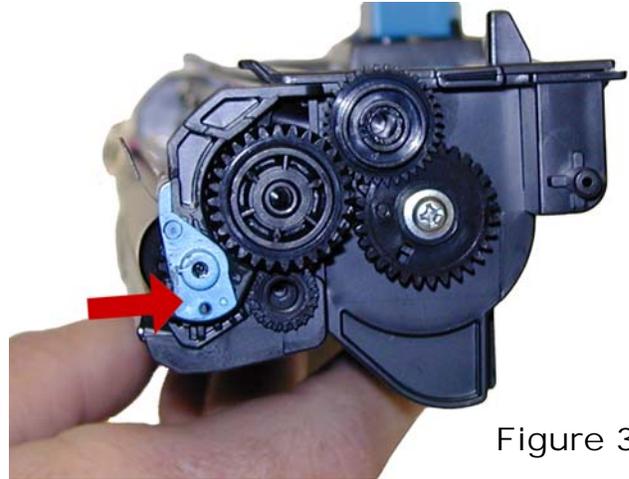
Figure 3

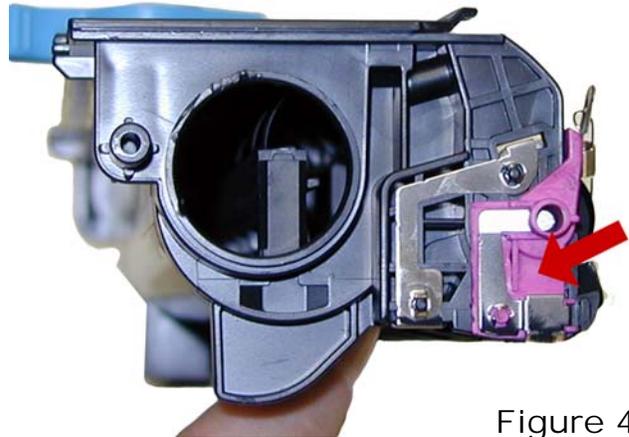5) Remove the pink bushing from the right side. See **Figure 4**

Figure 4

6) Remove the developer roller. See **Figure 5**

Figure 5

7) Remove the 2 screws from the doctor blade. See **Figure 6**

Figure 6

8) Remove the doctor blade. Carefully separate the foam seal from underneath the blade. Be careful not to tear this foam as the cartridge will leak. See **Figure 7**
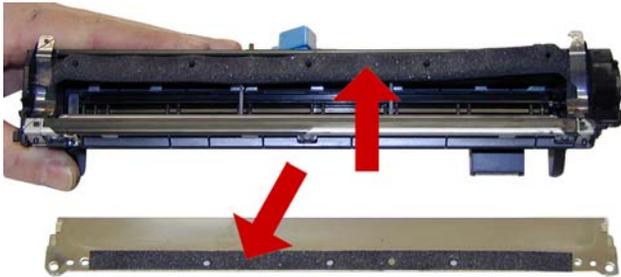

Figure 7

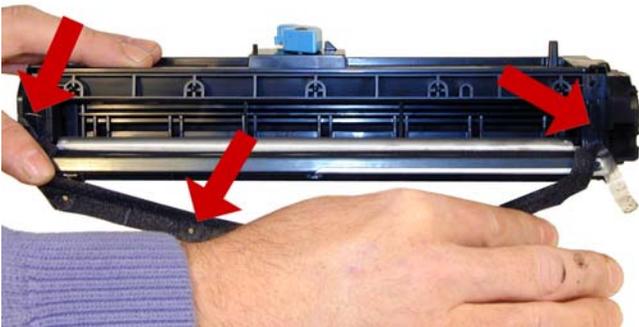9) Clean any remaining toner dust from the hopper and seals. See **Figure 8**

Figure 8

10) Clean the Doctor Blade with a cotton swab and a small amount of acetone. Remove any remaining residue with another cotton swab and 99% Isopropyl alcohol.

11) Align the foam seal onto the small plastic posts on the hopper. See **Figure 9**

12) Install the doctor blade and two screws. Make sure the contact leaf spring is touching the back side of the blade. See **Figures 10 & 11**
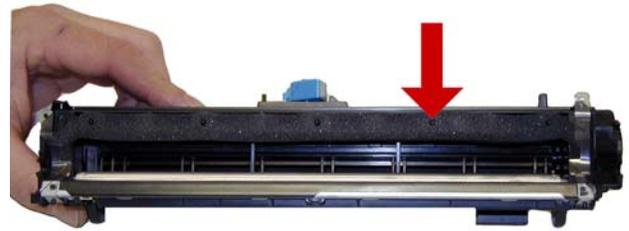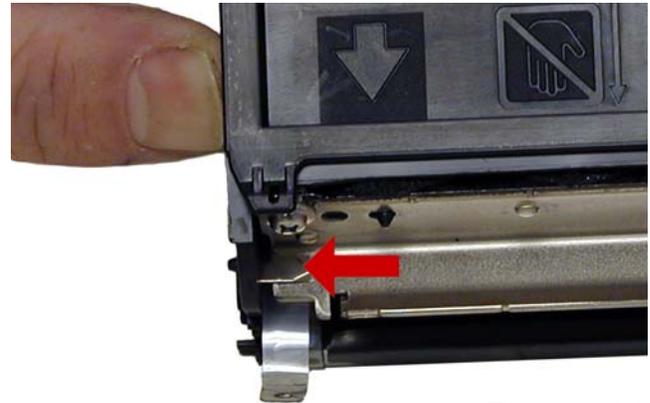

Figure 9

Figure 10

Figure 11

13) Clean the Developer Roller Sleeve with a lint free cotton cloth, and place aside.

14) Install the developer roller gear side to the left. Make sure the clear spacers have the flat side down and that they are not crimped. See **Figures 12 & 13**

Figure 12

16) Install the blue spacer on to the left side of the developer roller. The clear plastic band should be over the arm of the bushing. See **Figure 16**

Figure 16

Figure 13

15) Install the pink bushing on the right side of the developer roller. The clear plastic band should be over the arm of the bushing. See **Figures 14 & 15**
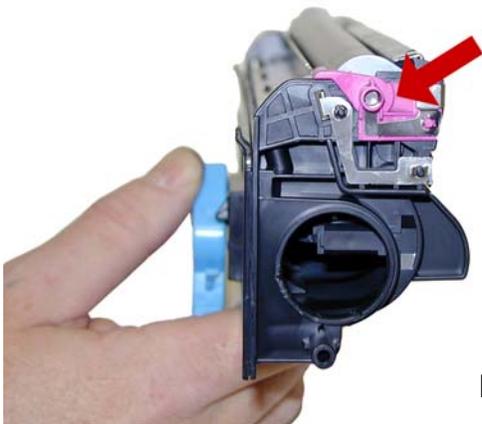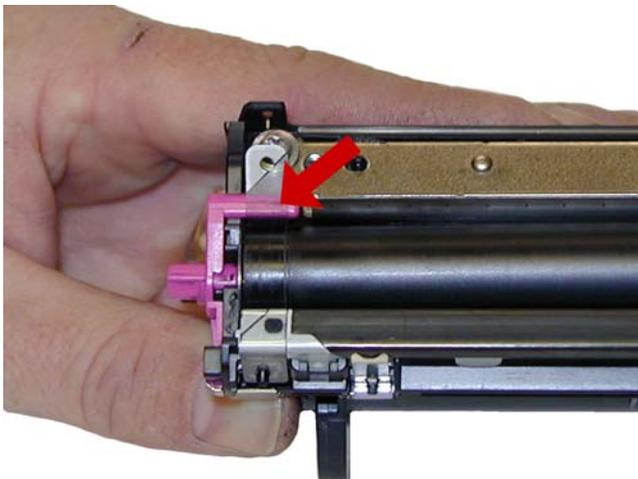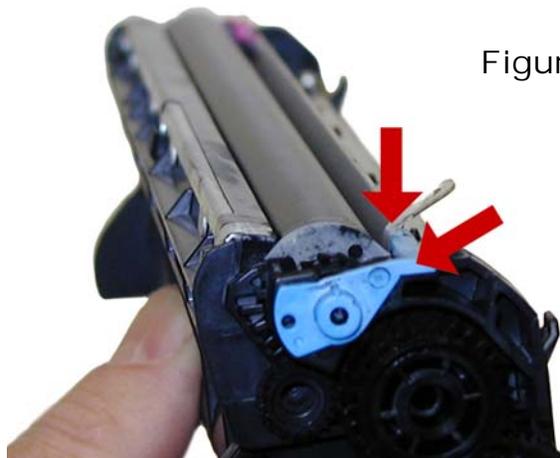
17) Install the small springs on both sides of the developer roller. The clear plastic band should be under the bushing. See **Figures 17 & 18**
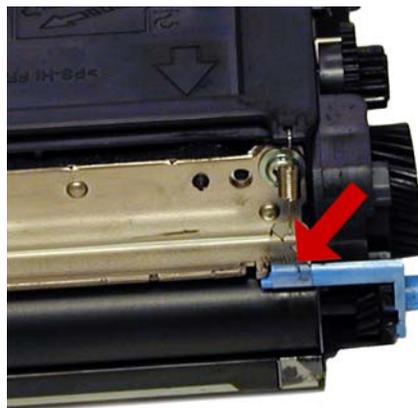

Figure 14

Figure 17

Figure 15

Figure 18

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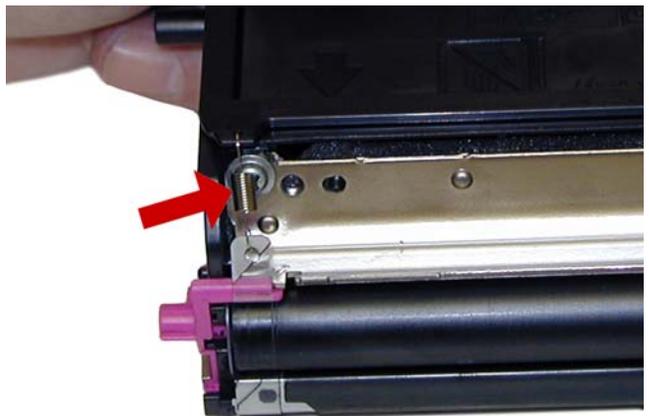
18) Fill the cartridge with 1125 toner (68g). See **Figure 19**

Figure 19

19) Install the developer roller cover. The clear plastic band should be under the bushing.

20) Replace the used chip with a new one. See **Figure 21** The toner cartridge is finished!

Figure 21

21) On the Drum unit, remove the drum cover non-spring side first. Turn the spring side so that the slot in the hole lines up with the pin and remove the cover. Watch out for the spring! See **Figures 22 & 23**

22) Remove the two small Phillips head screws from the black end cap. Remove the end cap. See **Figures 24 & 25**
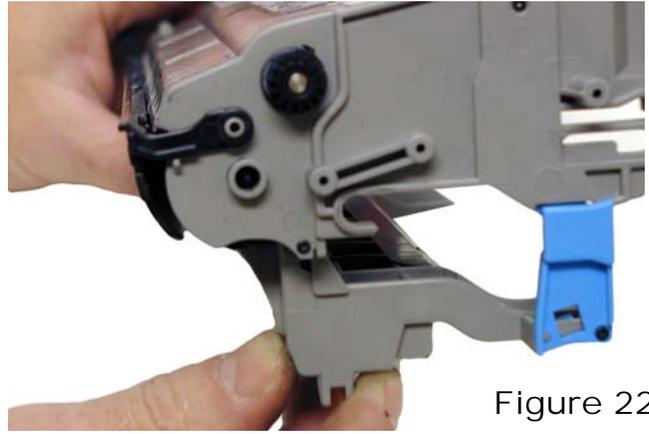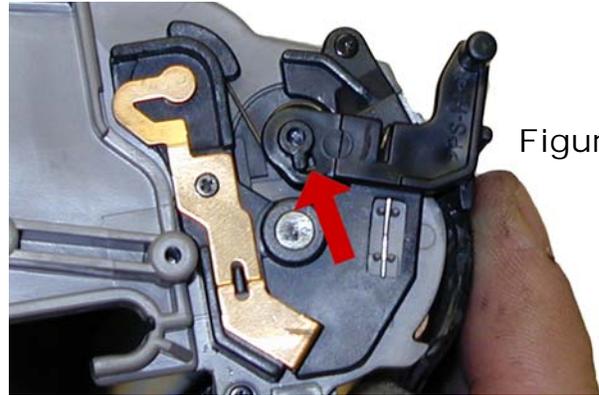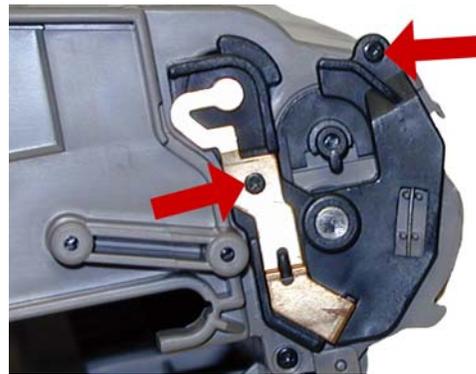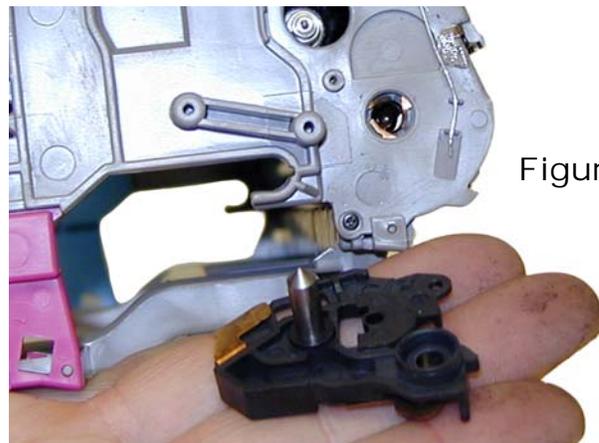

Figure 22

Figure 23

Figure 24

Figure 25

23) Remove the small metal wire contact so it does not get lost. See **Figure 26**
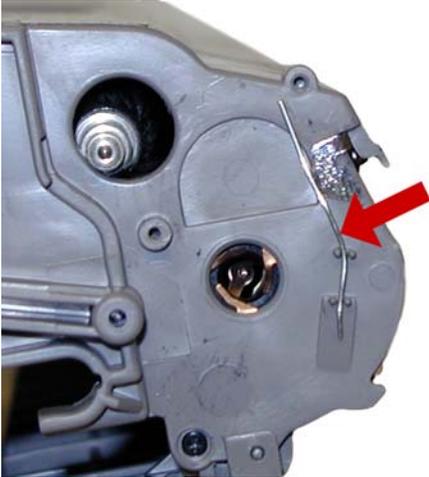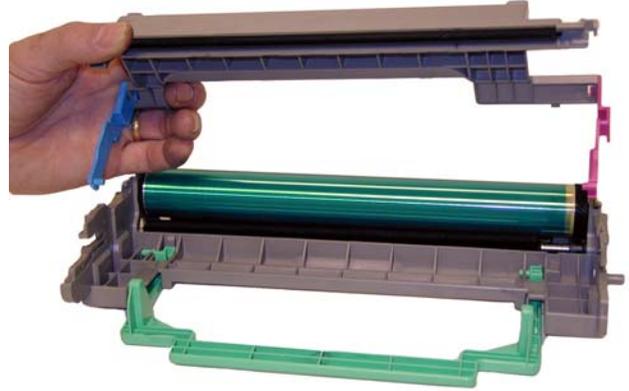

Figure 26

24) Remove the 2 small Phillips head screws from the frame as indicated. See **Figure 27**

Figure 27
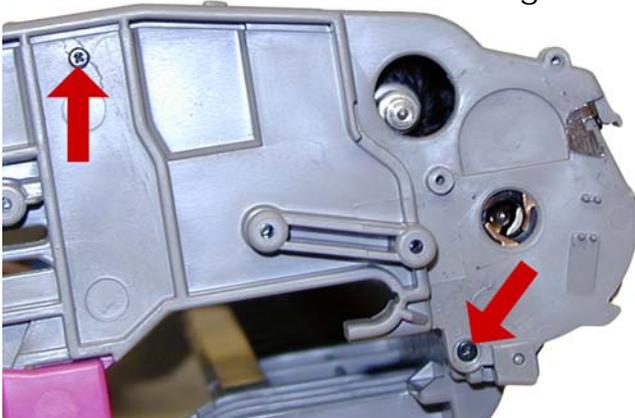

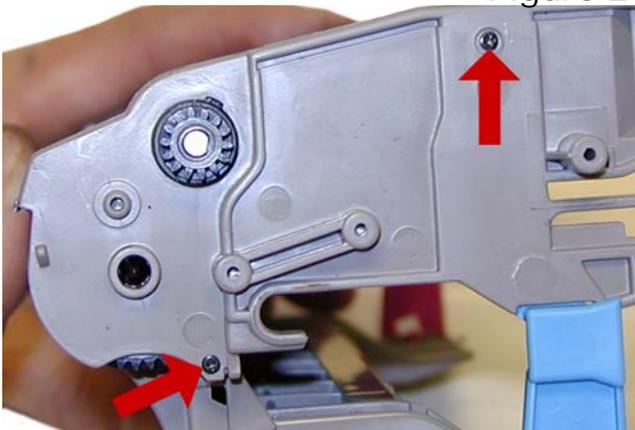25) On the opposite side, remove the two small Phillips head screws from the frame as indicated. See **Fig. 28**

Figure 28

26) Remove the bottom cover. See **Figure 29**

Figure 29

27) Remove the drum. See **Figure 30**

Figure 30

28) Clean off all the waste toner from the felt roller, and the felt brushes with compressed air. See **Figure 31**
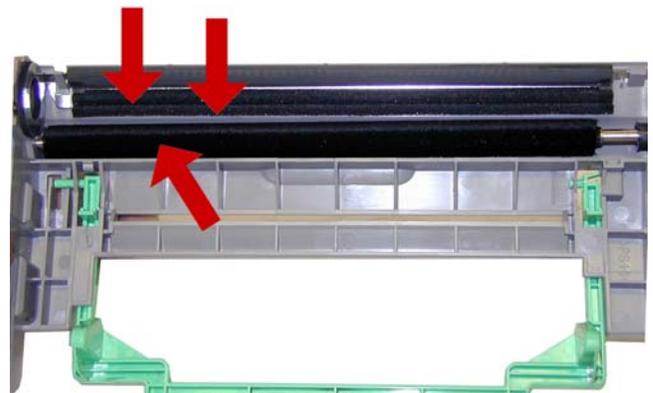

Figure 31

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29) Install the new drum drive gear first. On the hub side make sure you do not damage the foam seal. See **Figure 32 & 33**
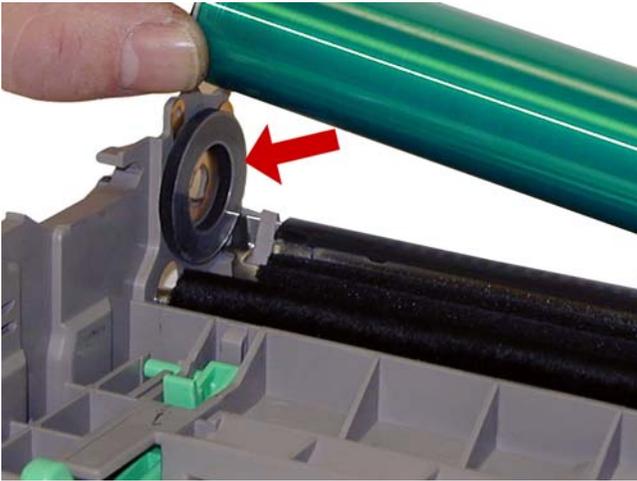

Figure 32

Figure 33

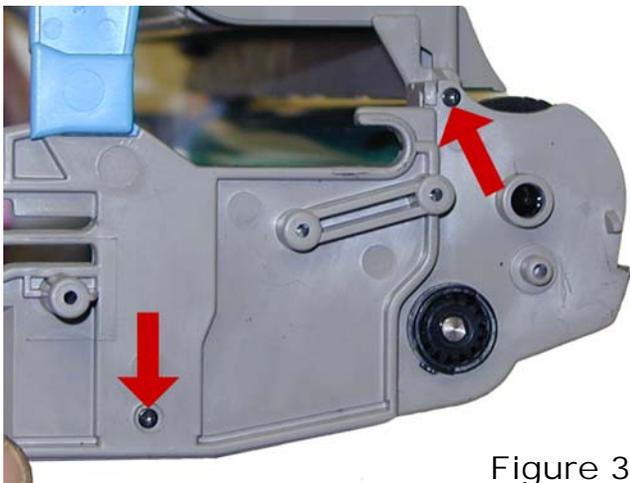30) Clean and re-install the bottom cover and 4 screws. (2 each side). See **Figures 34 & 35**
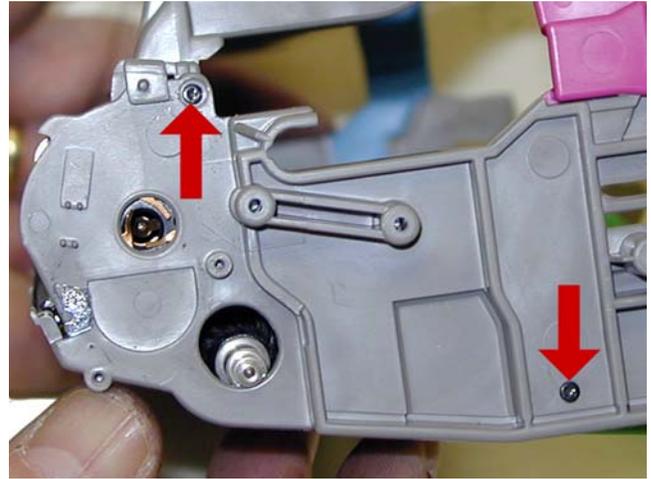

Figure 34

Figure 35

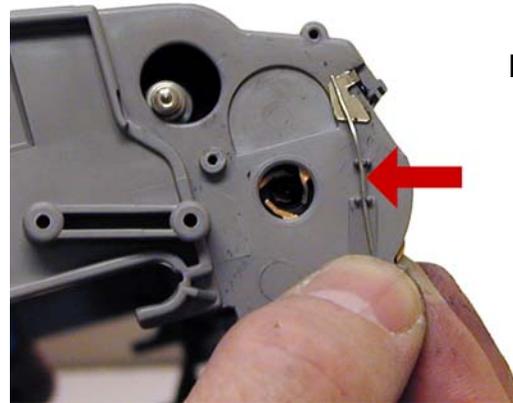31) Install the metal wire contact. See **Figure 36**

Figure 36

32) Install the black end cap and two screws. See **Figure 37**

Figure 37

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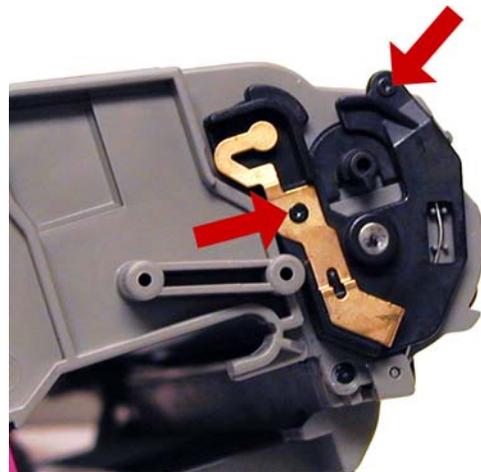www.summitechnologies.com

33) Set the spring on the drum cover as shown. Set the spring tail. See **Figures 38 & 39**
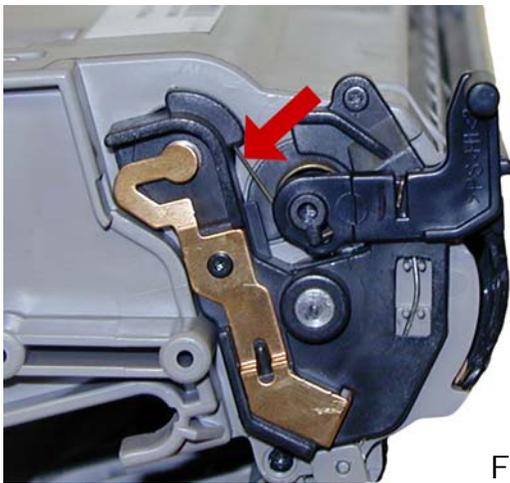
Figure 38

Figure 39

34) Install the opposite side of the drum cover. See **Figure 40** The drum cartridge is finished!
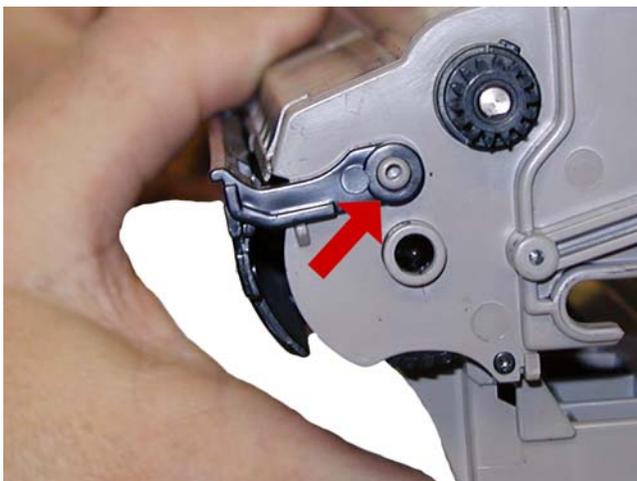

Figure 40

Reset the printer as per the reset directions below.

Printing a test page:

Press RETURN four times followed by the PAUSE button once.
The display states ENTER PASSWORD. Use 17951 and press START
Press the SCROLL to select PRINTER and press SELECT
THE display states "Print Test page?"
Press SELECT the test page is printed

Cleaning the drum:

Press SCROLL to select SETUP and press SELECT
Press SCROLL to select Maintenance and press SELECT
Press SCROLL to select Clear Drum and press SELECT
When the message Clear Drum? Is displayed, Press SCROLL to select YES and Press SELECT.
The display will show cleaning drum

Resetting the Drum Counter

Press SCROLL to select SETUP and press SELECT
Press SCROLL to select Maintenance and press SELECT
Press SCROLL to select Reset Drum Cnt and press SELECT
Press SCROLL to select YES and press SELECT
The display states Saved and the counter is reset!

Printer Troubleshooting:

These machines use plain English error messages. There is really no need to go through them here

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