

HP Color LaserJet

CP2025/CM2320

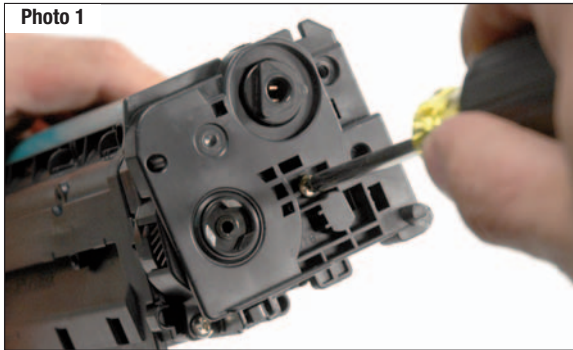
TECHNICAL INSTRUCTIONS



HPCP2025TECH

Technical Instructions	Printers	Cartridge Info	Tools	1	
<p>CORPORATE LOS ANGELES, USA US 1 800 394.9900 Int'l +1 818 837.8100 FAX 1 800 394.9910 Int'l +1 818 838.7047</p> <p>KANSAS CITY, USA US 1 913 871.1700 FAX 1 913 888.0626</p> <p>NEW YORK, USA US 1 800 431.7884 Int'l +1 631 588.7300 FAX 1 800 431.8812 Int'l +1 631 588.7333</p> <p>MIAMI, USA US 1 800 595.4297 Int'l +1 305 594.3396 FAX 1 800 522.8640 Int'l +1 305 594.3309</p> <p>TORONTO, CAN CAN 1 877 848.0818 Int'l +1 905 712.9501 FAX 1 877 772.6773 Int'l +1 905 712.9502</p> <p>MELBOURNE, AUS AUS 1 800 003. 100 Int'l +62 03 9561.8102 FAX 1 800 004.302 Int'l +62 03 9561-7751</p> <p>SYDNEY, AUS AUS 1 800 003.100 Int'l +62 02 9648.2630 FAX 1800 004.302 Int'l +62 02 9548.2635</p> <p>BUENOS AIRES, ARG ARG 0810 444.2656 Int'l +011 4583.5900 FAX +011 4584.3100</p> <p>SÃO PAULO, BRAZIL Int'l +55 11 5524.8000</p> <p>BOGOTÁ, COLOMBIA Int'l +57 1410.8842</p> <p>CALI, COLOMBIA Int'l +57 2661.1166</p> <p>MONTERREY, MEXICO Int'l +52 55 5333.9800</p> <p>JOHANNESBURG, S.A. S.A. +27 11 974.6155 FAX +27 11 974.3593</p> <p>ZHUHAI, PR CHINA Int'l +86 756 3359608 FAX +86 756 3359681</p>	<p>HP CP2025n 21 ppm HP CP2025dn 21 ppm HP CP2025x 21 ppm HP CM2320n 21 ppm HP CM2320nf 21 ppm HP CM2320fxi 21 ppm</p>	<p>CC530A – Black 3,500 pgs CC531A – Cyan 2,800 pgs CC533A – Magenta 2,800 pgs CC532A – Yellow 2,800 pgs</p>	<p>Small, Flat-blade Screwdriver Phillips Screwdriver X-Acto Knife Drill DRCLEANFIX HP2025SEALCSS HP2025DRFIX</p> <p>Supplies Required: 99% Alcohol</p>	<p>Conductive Grease Cotton Swabs Lint-free Cloth Padding Powder (DRUMPOWDERCPT) Drum Toner Wiper Blade Chip (HP2025CHIPK, HP2025CHIPC, HP2025CH)</p>	<p>IPM, HP2025CHIPY) Seal (HP1518ESEALPI) Fill Plug (HP1505FILLPLUG) Pull Tab (HP1518PULLTAB) Drum Shipping Cover (HP2025COVER) Doctor Blade Shim (HP1518DBSHIM)</p>

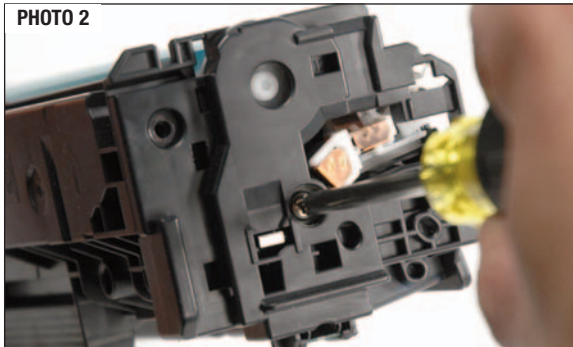
Photo 1



Step 1

Using a Phillips screwdriver, remove the two screws that hold the drum bearing end cap onto the cartridge (See photo 1). Remove the drum bearing end cap.

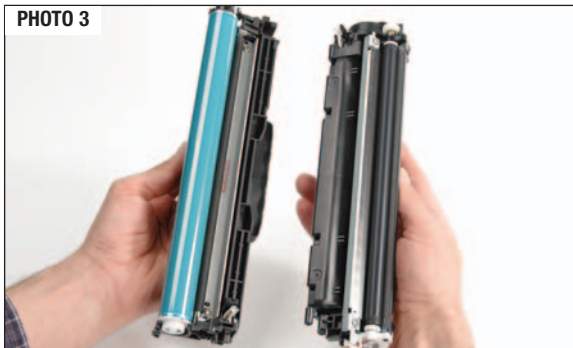
PHOTO 2



Step 2

Rotate the cartridge 180 degrees. Using a Phillips screwdriver, remove the two screws that hold the end cap onto the contact side of the cartridge (See photo 2). Remove the end cap.

PHOTO 3



Step 3

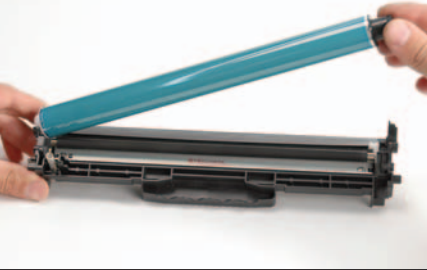
Once both end caps are removed, the waste hopper and toner hopper can be separated (See photo 3). Set the toner hopper aside.

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Step 4

Lift and remove the drum from the waste hopper (See photo 4). If you are planning to reuse the OEM drum, place the drum in a protected area out of the light.

PHOTO 4

**Step 5**

Carefully lift out the PCR (See photo 5). Clean the shaft of the PCR using a dry lint-free cloth to remove any conductive grease. Clean the PCR using a new dry lint-free cloth (See photo 6).

PHOTO 5



PHOTO 6



PHOTO 7

**Step 6**

Remove the two screws holding the wiper blade (See photo 7). Remove the wiper blade and clean the blade using dry compressed air.

Step 7

Clean the waste hopper using dry compressed air or a vacuum.

PHOTO 8

**Step 8**

Apply yellow toner (DRUMPOWDERCPT) to a new or once-used wiper blade. Place the blade onto the waste hopper and install the two screws that hold the blade in place (See photo 8).

PHOTO 9

**Step 9**

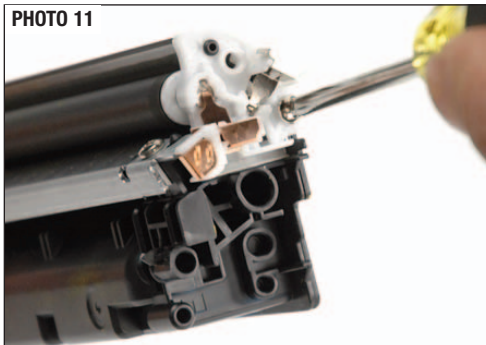
Using a cotton swab with alcohol, clean the PCR saddle. Apply new conductive grease to the black conductive PCR saddle. Install the PCR (See photo 9).

PHOTO 10

**Step 10**

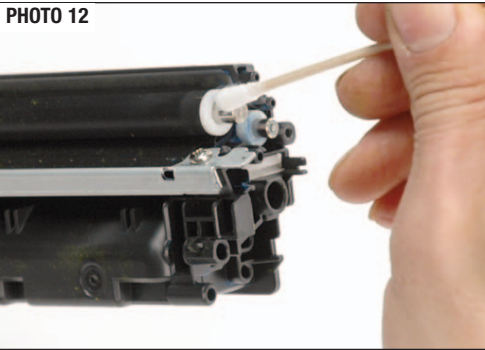
Apply yellow toner (DRUMPOWDERCPT) to a new or once-used drum. Place the drum onto the waste hopper so the drive gear of the drum rests to the opposite of the PCR contact side (See photo 10). Set the waste hopper aside.

PHOTO 11

**Step 11**

Using a Phillips screwdriver, remove the screw that holds the developer roller contact end cap (See photo 11). Remove the developer roller contact end cap.

PHOTO 12



Step 12

Clean contact end of the developer roller using lint-free cloth or cotton swabs and alcohol to remove any conductive grease (See photo 12).

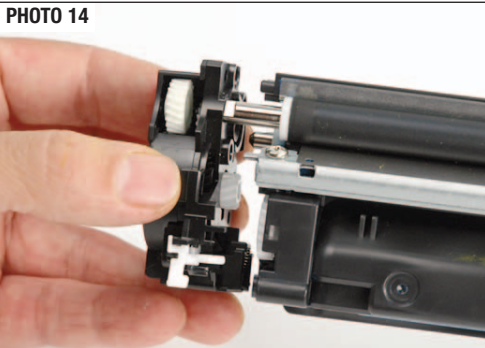
PHOTO 13



Step 13

Rotate the toner hopper 180 degrees. Remove the two screws that hold the gear housing end cap and the developer roller end cap to the toner hopper (See photo 13).

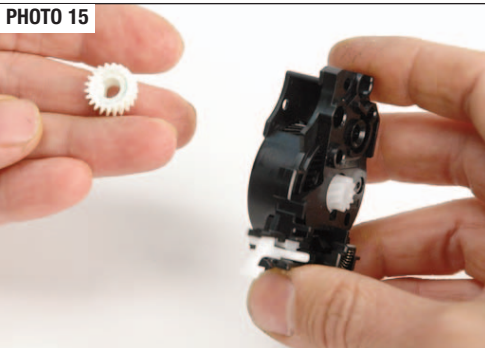
PHOTO 14



Step 14

Carefully remove both gear housing end cap and developer roller end cap at the same time (See photo 14). The developer roller drive gear will come loose, be careful not to lose it (See photo 15).

PHOTO 15



Step 15

Carefully separate gear housing end cap and developer roller end cap. The supply roller drive gear is inside – do not lose it! (See photo 16)

PHOTO 18



Step 16

Remove satellite gear from the end of the toner hopper (See photo 17).

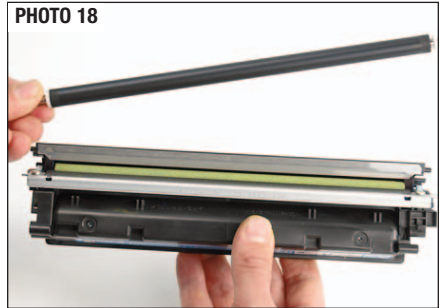
PHOTO 17



Step 18

Remove the developer roller from the toner hopper (See photo 18).

PHOTO 18



Step 19

Remove the developer roller bushings (See *photo 19*). Clean the developer roller first using dry compressed air or a vacuum, then a lint-free cloth (See *photo 20*).

PHOTO 19



PHOTO 20

**Step 20**

Remove the two screws that hold the doctor blade in place (See *photo 21*). Remove the doctor blade.

PHOTO 21

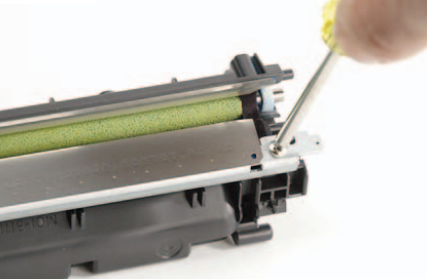


PHOTO 22



PHOTO 23

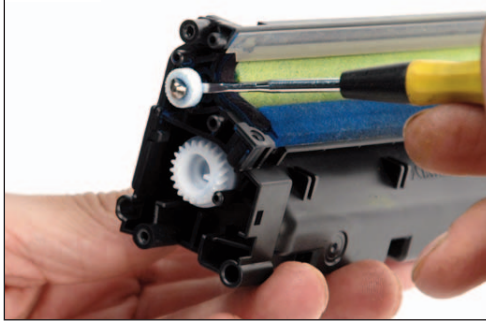


PHOTO 24



PHOTO 25

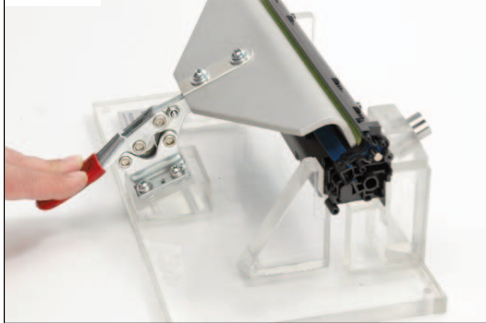
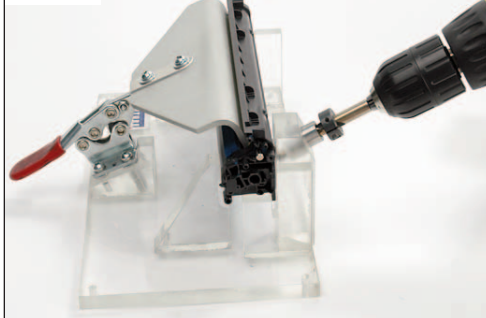


PHOTO 26

**Step 21**

Clean the doctor blade first using dry compressed air and then place the doctor blade into a cleaning fixture (DRCLEANFIX). Clean the doctor blade using a lint-free cloth and distilled water (See *photo 22*).

Step 22

Remove the supply roller sealing end foams from the axle of the supply roller on each side of the toner hopper (See *photo 23*).

Step 23

Using a small flathead screwdriver, push out the seal exit port plug (See *photo 24*).

Step 24

Slide the toner hopper into the toner hopper holding fixture. Push the red handle down to secure the toner hopper in the fixture (See *photo 25*).

Step 25

Install the provided drill bit into the drill and tighten. Begin drilling using light pressure and high speed to start a hole (See *photo 26*).

NOTE: Too much pressure could cause drill bit to grab and damage the hopper.

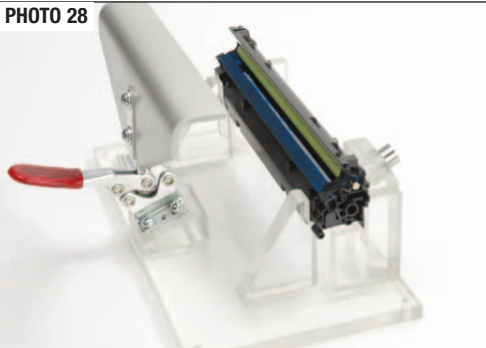
PHOTO 27



Step 26

Remove the toner hopper from the holding fixture. Remove any plastic residue from edges of the hole (See photo 27). Clean the toner hopper using dry compressed air, making sure the hopper is void of plastic shavings.

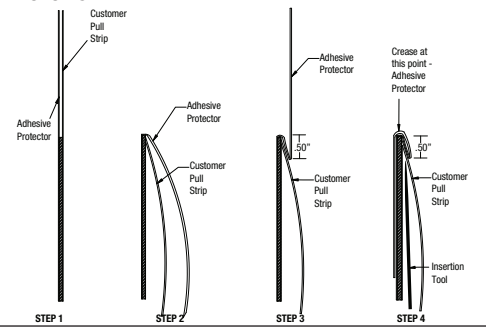
PHOTO 28



Step 27

To seal the hopper, place the toner hopper back onto the hopper holding fixture (See photo 28).

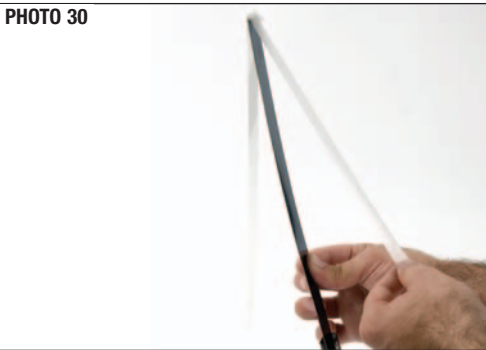
PHOTO 29



Step 28

Prepare a new seal by folding and creasing the replacement seal as shown in the diagram (See photo 29).

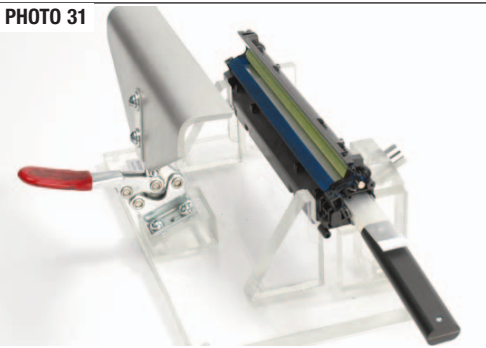
PHOTO 30



Step 29

Insert the insertion tool in between the plastic base of the seal and the pull strip (See photo 30).

PHOTO 31



Step 30

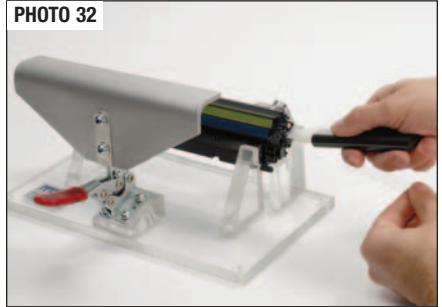
Insert the seal and insertion tool into the exit port all the way into the seal area (See photo 31).

NOTE: Be sure the new seal is fully inserted into the entire length of the seal area or leakage may occur.

Step 31

Hold the insertion tool with one hand and pull out the adhesive backing - the lower layer - of the seal with your other hand (See photo 32).

PHOTO 32



Step 32

Leave the insertion tool in place and push the fixture clamp all the way down into a locked position to set the new seal in place (See photo 33). Let the clamp sit for approximately 15 seconds.

PHOTO 33



Step 33

Unlock the clamp; pull out the insertion tool leaving the new seal within the toner hopper (See photo 34).

PHOTO 34

**Step 34**

Insert the OEM seal port plug over the top of the new seal (See photo 35).

PHOTO 35



PHOTO 36

**Step 35**

Fill the toner hopper through the hole on top of the hopper. Seal the hole using a fill plug (See photos 36 & 37).

PHOTO 37



PHOTO 38

**Step 36**

Install the toner supply roller end foams to the axle on each side of the hopper (See photo 38).

PHOTO 39

**Step 37**

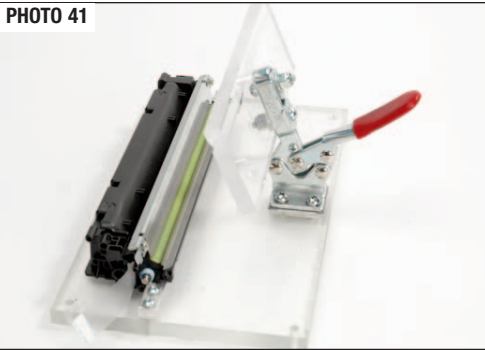
Add 3 to 4 grams of toner to the supply roller for post testing the cartridge (See photo 39).

PHOTO 40

**Step 38**

Place the doctor blade shims onto the ends of the doctor blade (See photo 40).

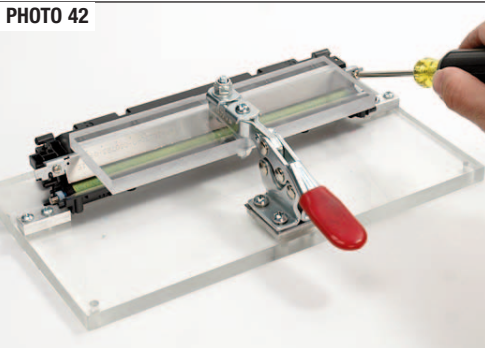
PHOTO 41



Step 39

Set the doctor blade on the toner hopper. Install the two screws that hold the doctor blade but do not tighten them. Place the toner hopper onto the toner hopper doctor blade alignment fixture (See photo 41).

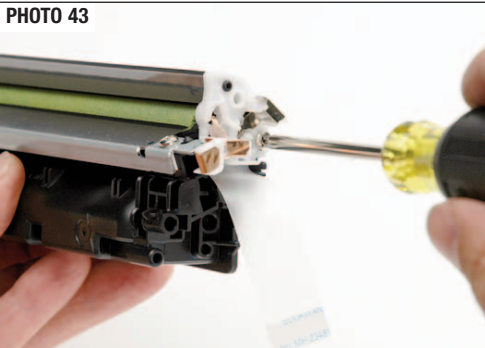
PHOTO 42



Step 40

Press down on the red handle until the clamp locks into place. Finish tightening down the doctor blade screws (See photo 42).

PHOTO 43



Step 41

Place the developer roller contact end cap onto the contact side of the toner hopper. Install the screw that holds the contact end cap in place (See photo 43).

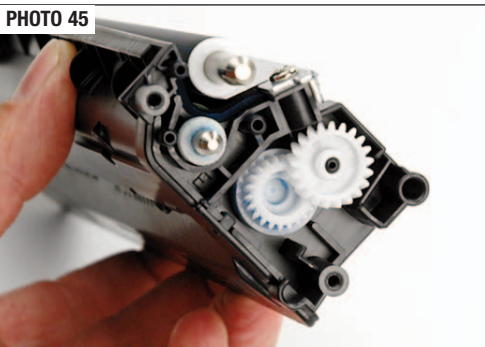
PHOTO 44



Step 42

Install the developer roller bushings onto the developer roller, set the developer roller onto the toner hopper (See photo 44).

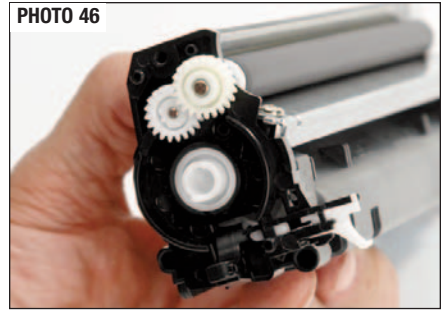
PHOTO 45



Step 43

Rotate the toner hopper 180 degrees. Install satellite gear onto the toner hopper (See photo 45). Place the developer roller end cap onto the gear side of the toner hopper. Install supply roller drive gear and developer roller drive gear (See photo 46).

PHOTO 46



Step 44

Place the gear housing end cap onto the toner hopper and install two screws that hold the end cap onto the toner hopper (See photo 47).

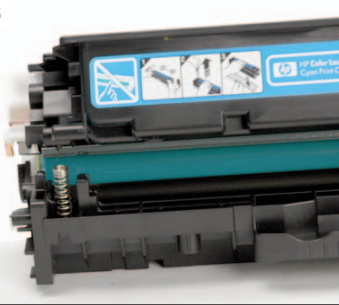
PHOTO 47



Step 47

Place the waste hopper on the workbench so the drum is facing up and the compression spring is on the left. Align the compression spring with the alignment pin located on the toner hopper (See photo 48).

PHOTO 48

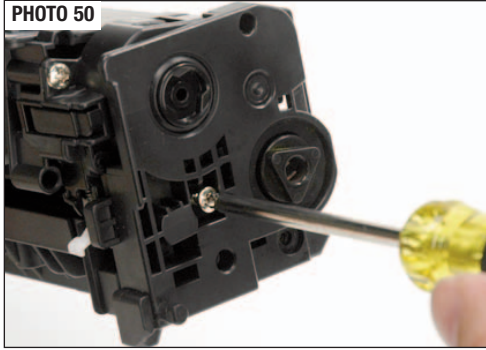
**Step 48**

Holding both hoppers together with one hand, use the other hand to install the drum bearing end cap (See photo 49).

PHOTO 49

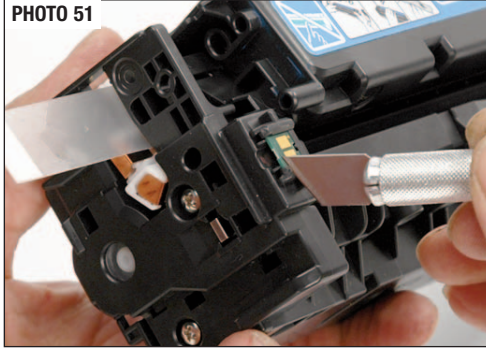


PHOTO 50

**Step 49**

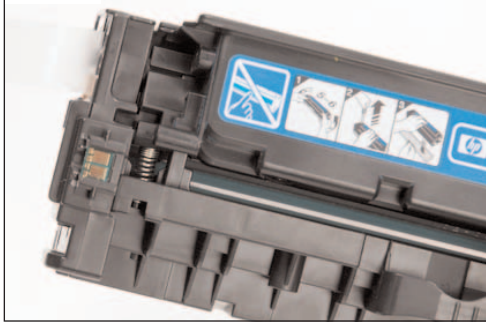
Rotate the cartridge 180 degrees. Install the end cap onto the contact side of the cartridge. Install the screws that hold the end caps in place (See photos 50).

PHOTO 51

**Step 51**

Using an X-acto knife, cut the plastic weld holding the chip in place (See photo 51). Remove the used chip.

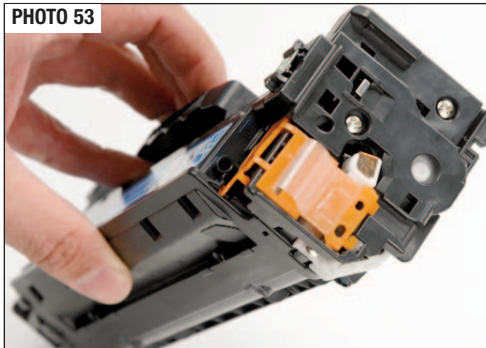
PHOTO 52

**Step 52**

Install the new chip onto the cartridge (See photo 52).

NOTE: For post testing you must have a spare chip.

PHOTO 53

**Step 53**

Install the seal pull tab onto the cartridge. Remove adhesive cover from seal pull strip and attach it onto the pull tab (See photo 53).

PHOTO 54

**Step 54**

Install the drum shipping cover onto the cartridge (See photo 54).