



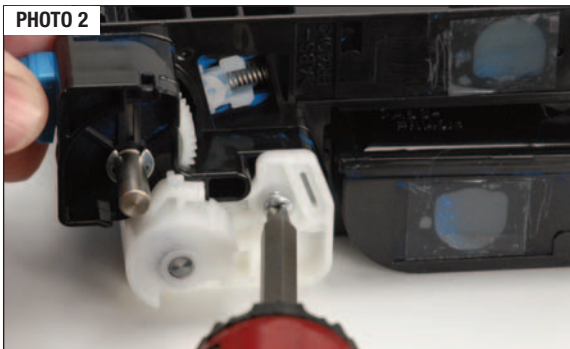
DELL3110TECH

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>Dell 3110cn 3115cn 3130cn Xerox Phaser 6180, 6280</p>	<p><i>See last page.</i></p>	<p>Phillips Screwdriver Small Flat Blade Screwdriver Spring Hook.</p> <p>Supplies Required: Soft Lint-Free Cloth Cotton Swabs Anhydrous Isopropyl Alcohol DRUMPOWDERCPT</p>	<p>LIGHTINGLUBE LMKDRBARTAPE Toner, Developer Vacuum or dry Compressed Air.</p>



Step 1

Position cartridge with OPC facing you. Remove the tension springs from both sides of the cartridge (See photo 1).



Step 2

Remove screw, lift endcap latch, and remove endcap from the drive side of the cartridge (See photo 2 & 3).

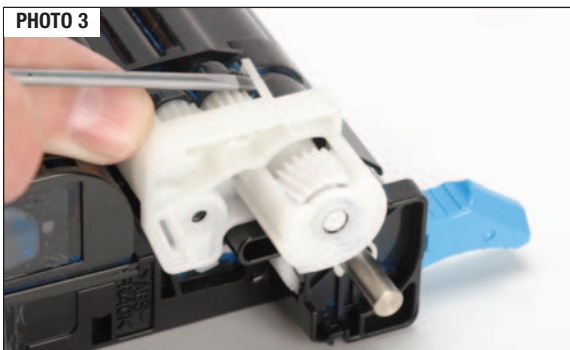
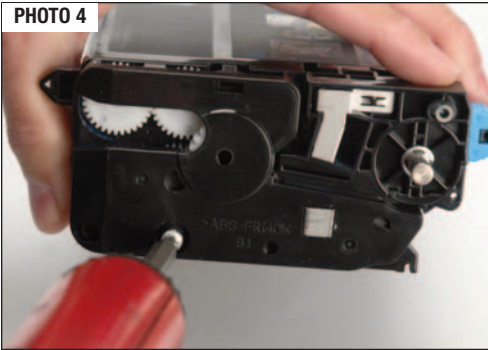


PHOTO 4



Step 3

Remove screw from contact side endcap. Lift latch and pull the backside of the endcap out from the cartridge. Facing the endcap, with a small blade screwdriver, unclip endcap contact tab (right side) from the contact opening (See photos 4-8).

PHOTO 5



PHOTO 6

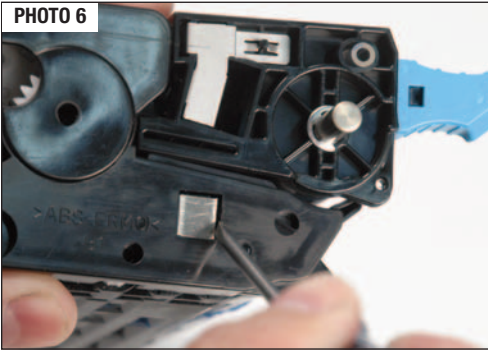


PHOTO 7

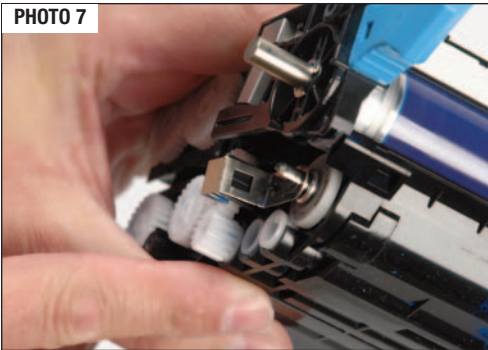
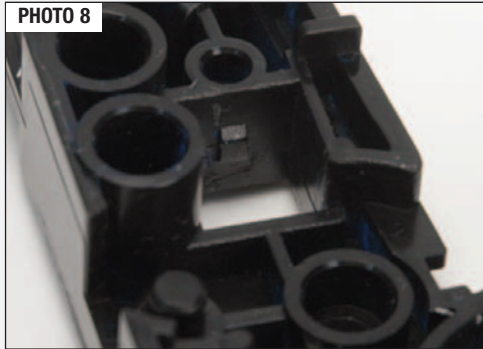


PHOTO 9



PHOTO 8



Step 4

Separate the waste unit from the toner unit. Set aside the toner unit until later.

Step 5

Place waste unit with OPC and PCR facing up. On the gear side of the OPC, remove the e-ring from the OCP axle. Remove the OPC axle (See photo 9).

Step 6

Remove the OPC and clean using a soft lint-free cloth. Store in a light protected area (See photo 10).

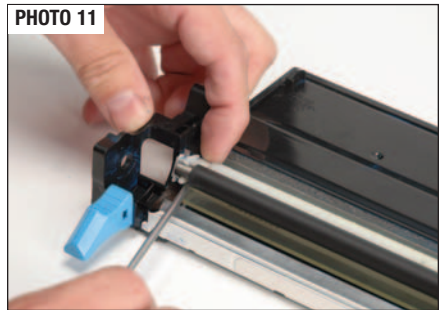
PHOTO 10



Step 7

Remove PCR, PCR cleaning roller, and PCR saddles. Lift up on saddle and push out on both saddles (See photo 11).

PHOTO 11



Step 8

Remove wiper blade mounting screws and wiper blade. Use vacuum or dry compressed air to clean toner from the blade (See photos 12 & 13).

PHOTO 15

**Step 10**

Clean wiper blade using soft lint-free cloth. Apply padding power DRUMPOWDERCPT to wiper blade and reinstall using the two mounting screws (See photo 15).

PHOTO 12



PHOTO 16

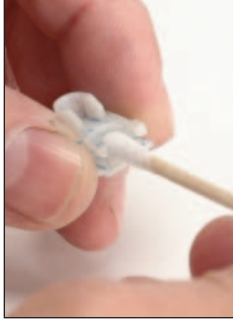


PHOTO 17

**Step 11**

Clean PCR saddles using alcohol and cotton swabs. Onto the black saddle PCR holder, apply the conductive lube LIGHT-INGLUBE. Install saddles (See photos 16 & 17).

PHOTO 13

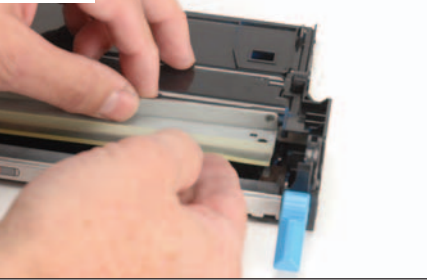


PHOTO 18

**Step 12**

Clean PCR cleaning roller using vacuum or dry compressed air. Install PCR cleaning roller onto PCR saddles (See photo 18).

Step 9

Remove fill plug cover. Remove all toner from the waste and toner tanks using vacuum or dry compressed air (See photo 14).

PHOTO 19

**Step 13**

Clean PCR using soft dry lint-free cloth. Install PCR into the saddles. Install saddles and PCR rollers into waste unit (See photos 19 & 20).

NOTE: Distilled water can be used if needed.

PHOTO 14

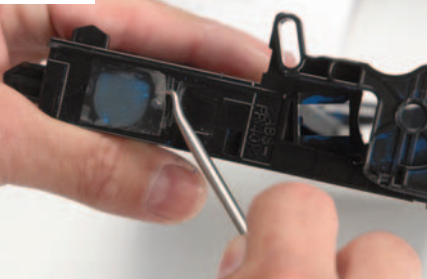


PHOTO 20



PHOTO 21



Step 14

Clean OPC using soft dry lint-free cloth. Apply padding power DRUMPOWDERCPT to OPC. Place OPC into cartridge. Install OPC axle from the contact side and install e-ring onto the axle (See photos 20-23).

Step 15

Set aside waste hopper unit in a protected area out of the light.

Step 17

Remove contact clip from the left side of the mag roller. Remove the left side OPC bushing. Remove the left side mag roller bushing (See photos 27-29).

PHOTO 22

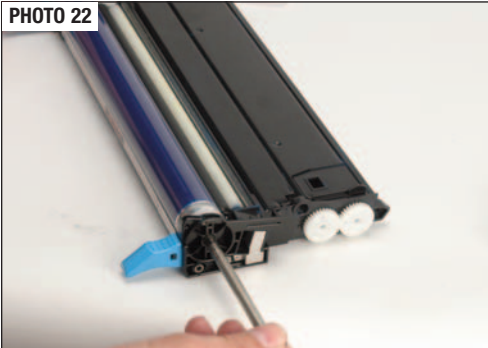


PHOTO 27



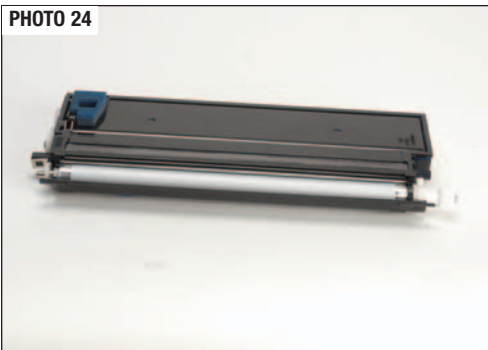
PHOTO 23



PHOTO 28



PHOTO 24



Step 16

Place toner cartridge with mag roller facing you. Remove the three drive gears on the right hand side (mag roller, auger, and interconnect drive gears). Remove right side OPC bushing (See photos 24-26).

PHOTO 29

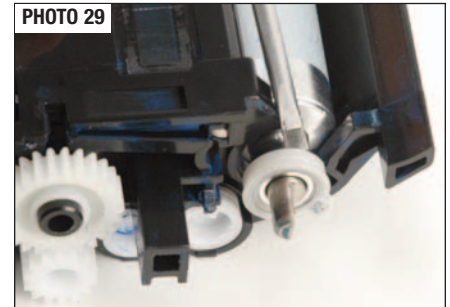


PHOTO 25



PHOTO 26



Step 18

Lift the left side mag roller and push the right side mag roller bushing out. Remove right side mag roller bushing and mag roller (See photo 30).

PHOTO 30

**Step 19**

Remove developer chamber seal and toner tank seal. Remove all toner from the cartridge using vacuum or dry compressed air (See photos 30 & 31).

PHOTO 31



PHOTO 32



PHOTO 33



PHOTO 34



PHOTO 35

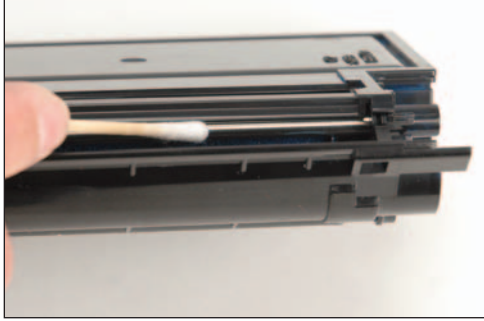


PHOTO 36

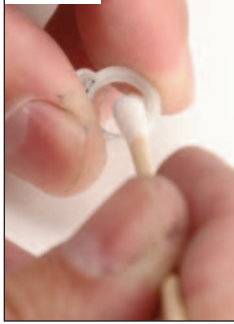


PHOTO 37



PHOTO 38

**Step 21**

Clean mag roller and OPC bushing using alcohol and cotton swabs. Use soft lint-free cloth and alcohol to clean the three drive gears (See photos 36-38).

PHOTO 39



PHOTO 40

**Step 22**

Install mag roller. Install the two mag roller bushings noting key tabs. Install the two OPC bushings (See photos 39-41).

PHOTO 41



PHOTO 39



Step 23

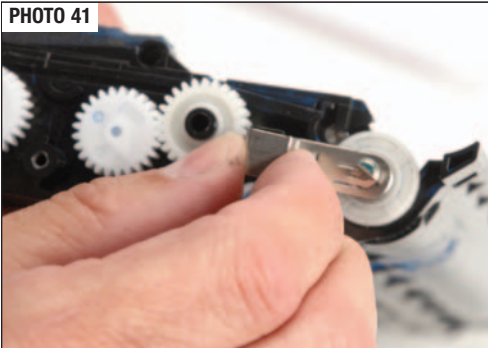
Install the mag roller drive gear and the auger drive gear (See photo 39 & 40).

NOTE: Auger drive gear has a keying tab that needs to be aligned to the auger shaft.

PHOTO 40



PHOTO 41



Step 24

Install contact onto mag roller shaft (See photo 41).

PHOTO 42



Step 25

Fill developer chamber with developer (See photo 42).

PHOTO 43



Step 26

Clean developer chamber seal area and install seal LMKDRBARTAPE (See photo 43).

Step 27

Position interconnect drive gear between mag roller and auger drive gears. Place waste unit onto toner unit (See photos 44 & 45).

PHOTO 44



PHOTO 45



Step 28

Install drive side endcap. Install contact side endcap (See photos 46 & 47).

PHOTO 46

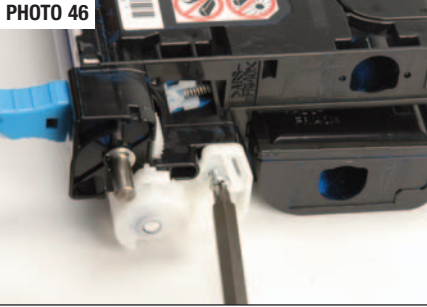
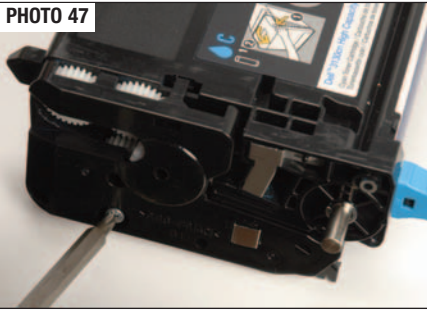


PHOTO 47

**Step 29**

Install the two drive and contact side springs (See photos 48 & 49).

PHOTO 48

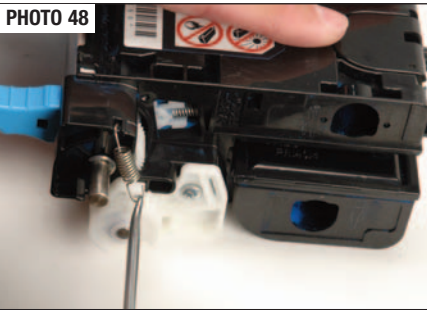


PHOTO 49

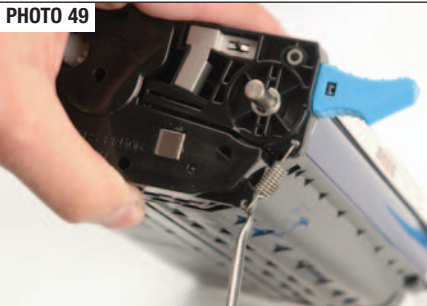


PHOTO 50



PHOTO 51



PHOTO 52

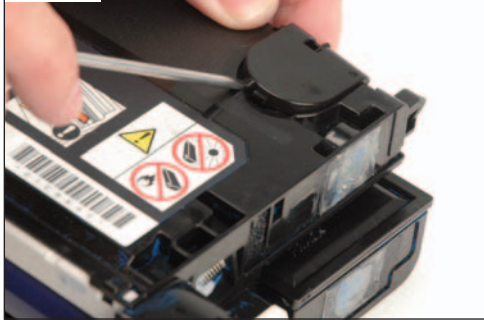


PHOTO 53

**Step 30**

Fill the two toner tanks with toner using the toner fill openings. Clean openings and apply the fill plugs (See photos 50 & 51).

NOTE: Standard yield cartridges only use one toner tank. Do Not fill second tank.

Step 31

Remove OEM chip and install replacement chip (See photos 52 & 53).



List of OEM Cartridge Part Numbers:

Dell 3110 8K and 5/4K yield:

310-8092 (BLACK-8K), 310-8094 (CYAN-8K), 310-8096 (MAGENTA-8K), 310-8098 (YELLOW-8K)
310-8093 (BLACK-5K), 310-8095 (CYAN-4K), 310-8097 (MAGENTA-4K), 310-8099 (YELLOW-4K)

Dell 3115 8K and 5/4K yield:

310-8395 (BLACK-8K), 310-8397 (CYAN-8K), 310-8399 (MAGENTA-8K), 310-8401 (YELLOW-8K)
310-8396 (BLACK-5K), 310-8398 (CYAN-4K), 310-8400 (MAGENTA-4K), 310-8402 (YELLOW-4K)

Dell 3130 9K and 4/3K yield:

330-1198 (BLACK-9K), 330-1199 (CYAN-9K), 330-1200 (MAGENTA-9K), 330-1204 (YELLOW-9K)
330-1197 (BLACK-4K), 330-1194 (CYAN-3K), 330-1195 (MAGENTA-3K), 330-1196 (YELLOW-3K)

Xerox Phaser 6180 and 6180MFP 8/6K and 3/2K yield:

113R00726 (BLACK-8K), 113R00723 (CYAN-6K), 113R00724 (MAGENTA-6K), 113R00721 (YELLOW-6K)
113R00722 (BLACK-3K), 113R00719 (CYAN-2K), 113R00720 (MAGENTA-2K), 113R00725 (YELLOW-2K)

Xerox Phaser 6280 7/5.9K and 3/2.2K yield:

106R01395 (BLACK-7K), 106R01392 (CYAN-5.9K), 106R01393 (MAGENTA-5.9K), 106R01394 (YELLOW-5.9K)
106R01391 (BLACK-3K), 106R01388 (CYAN-2.2K), 106R01389 (MAGENTA-2.2K), 106R01390 (YELLOW-2.2K)