





VXTECH

**Technical Instructions** 

**Printers** 

**OEM Info** 

Tools

1

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MONTEVIDEO, URY

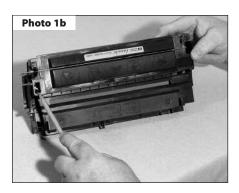
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JOHANNESBURG, S.A.

S.A. +27 11 974.6155 FAX +27 11 974.3593 HP Laserjet 5P, 5MP HP Laserjet 6P, 6MP Part Number: C3903A Gram Load: 225 grams Yield @ 5%: 4000 pgs Pages/Min.: 6 ppm Resolution: 600 dpi

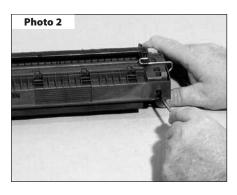
Needle Nose Pliers #1 Phillips Screwdriver 1/8" Flat Blade Screwdriver Razor-type Cutter Damp Cloth Cotton Swabs Anhydrous Isopropyl Alcohol Vacuum or Compressed Air SX Screws 5P Seal 5P Toner, 225 Grams Conductive Grease Putty Knife with stiff blade, 11/4" wide (for the new style cartridge)







Originally 5P cartridges are held together with plastic clips, not screws. However, if the cartridge has been remanufactured, it may have up to seven screws (usually Phillips head) on the outside that must be removed. Some of these screws are pointed out in photos #1a and #1b (See Photo 1a and 1b)



## Step 2

Place the cartridge, top down, on the work table with the drum up and the drum gear to the right. With a small flat blade screwdriver, release the first clip in the square hole in the lower right corner facing you.

(See Photo 2)

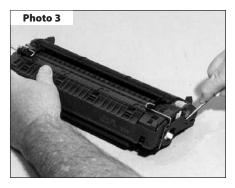
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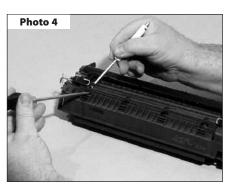
# Notes



# Step 3

Next, lightly rotate the cartridge clockwise, with the drum gear closer to you, and pry loose the clip below the metal drum shaft.

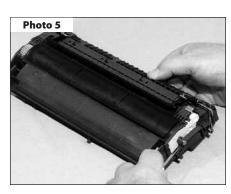
(See Photo 3)



### Step 4

Pry the two halves apart slightly. Now rotate the cartridge counterclockwise back to its original position and pry loose the four clips facing you, starting with the one on the drum gear end. Avoid breaking the plastic cartridge clips by using two small flat blade screwdrivers.

(See Photo 4)

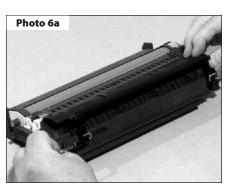


## Step 5

Rotate the cartridge counterclockwise again until the drum gear is away from you and pry loose the clip below the other drum axle. Pry the two halves apart slightly on this end, but be careful-toner may spill out! (See Photo 5)



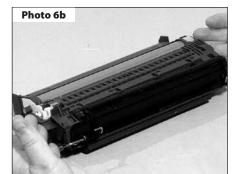
If two halves of the cartridge are sealed together with sealant, see Appendix A. If toner and waste hoppers are sealed with foam, continue to Step 6.



### Step 6

Pull the drum cover all the way back. (See Photo 6a)

Then flip it down so it tucks in between the toner hopper and stays out of the way. (See Photo 6b)



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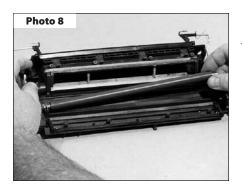
# Step 7

Now, work your way around the cartridge, carefully prying the two halves apart. Separate the waste hopper from the toner hopper. Toner will spill everywhere.

(See Photo 7)



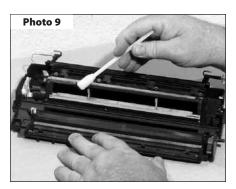
# Notes



## Step 8

Remove the toner mixing drive gear and PCR from the toner hopper and set them aside. Dump the toner out and clean thoroughly with a vacuum or compressed air.

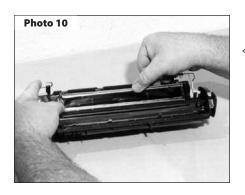
(See Photo 8)



## Step 9

A new seal has to be installed before the toner hopper can be filled with toner. Remove the fill plug and clean the surface to be sealed with cotton swabs and alcohol.

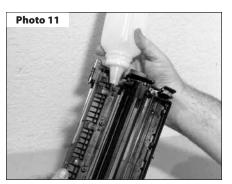
(See Photo 9)



### Step 10

Remove the non-stick backing from the adhesive seal and lay in place with the tail away from the plug end.

(See Photo 10)



# Step 11

Fill with toner using a funnel cap bottle and re-install the plug in the toner hopper. (See Photo 11)

#### NOTE 2

If the two halves of the cartridge were sealed together with sealant, see Appendix B.

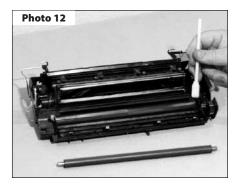
If the toner and waste hoppers are sealed with foam, continue to Step 12.

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# Notes



## Step 12

Re-install the toner mixer drive gear. Clean the PCR with a damp cloth (or Nu-Finish if preferred) and allow to dry. Clean the PCR saddles with a cotton swab and alcohol and re-install the PCR. Set the toner hopper aside until step 25.

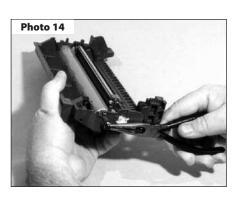
(See Photo 12)



## Step 13

Using your #1 Phillips screwdriver, remove the two screws holding the wiper blade to the waste hopper, then remove the wiper blade.

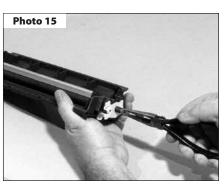
(See Photo 13)



## Step 14

Thread SX screw into the drum axle on the gear end. Grip the screw head tightly with needle nose pliers and pull it out using a side-to-side motion.

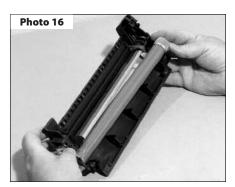
(See Photo 14)



# Step 15

Rotate the waste hopper end-for-end and grasp the other drum axle at the notches provided. Pull the axle straight out.

(See Photo 15)

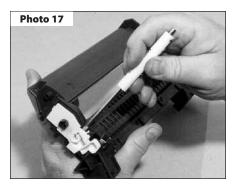


## Step 16

Remove the drum, wrap it in protective cloth or paper, and set it aside until step 22

(See Photo 16)

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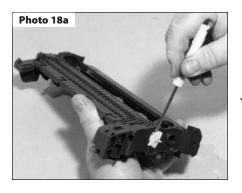
# Step 17

Pry off the large white side plate. Lift off the metal mag roller contact plate, clean off the old conductive grease, and replace with new conductive grease (or leave dry).

(See Photo 17)



# Notes



# Step 18

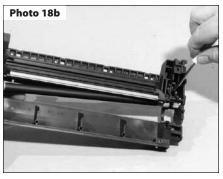
Pry the small white side plate off the other end.

(See Photo 18a)

Push down and forward on the black mag roller guide plate latch.

(See Photo 18b)

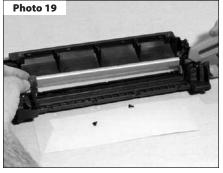
Push the mag roller forward and lift out. Clean with isopropyl alcohol or commercial mag roller cleaner. Clean the doctor blade with isopropyl alcohol.



### Step 19

(Optional, but not recommended) If you want to remove the doctor blade to clean it, cut the foam seals and remove the Phillips head screws. Lift the doctor blade out, clean and re-install. Removing the doctor blade for cleaning is not a good enough reason to cut the seals. If it is necessary to replace the doctor blade, however, then these seals must be cut.

(See Photo 19)

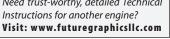


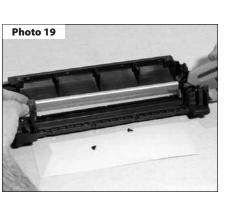
#### Photo 20 Step 20

Re-install the mag roller assembly gear end first with the guide plate spring facing toward the slot. Snap it into position. Then lay thermal roller down flat.

(See Photo 20)

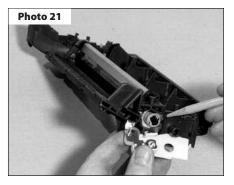
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# Notes



## Step 21

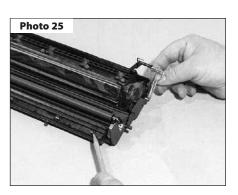
Re-install the large white side plate and metal mag roller bias contact, aligning the flat side of the magnet shaft with the flat portion of the side plate opening. (See Photo 21)

### Step 22

Re-install small white side plate on the other end. Clean the drum with isopropyl alcohol, allow to dry, and cover lightly with padding powder. Press the drum down into position with the drum and mag roller gears meshed. Turn drum 360 degrees to remove excess padding powder.

## Step 23

Re-install large drum axle on the drum gear side and the small axle on the other end by pressing them flush with your thumb.

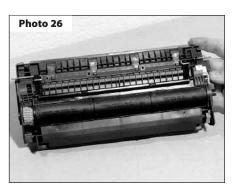


### Step 24

Re-install the wiper blade with its two Phillips screws.

# Step 25

Returning to the toner hopper, make sure the tail end of the seal is tucked through the access slot, pulling it to the rear with your right hand. (See Photo 25)



## Step 26

Align the two halves (toner hopper and waste hopper) to each other. Press them together until all eleven clips snap into place.

(See Photo 26)

**NOTE:** If you have broken off any clips or are worried about leakage, you may use up to seven SX screws to hold the two halves together. (See photo #1 in guide for placement).



### Step 27

Unfold and return the drum cover (shutter) back to its original position.

(See Photo 27)

### Appendix A

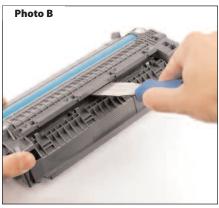
The new style cartridge is sealed with sticky sealant. It is difficult to separate the sealed surfaces deep inside of the cartridge. There is no direct access to them with the prying tool and it is easy to damage the cartridge if applying too much force on the outside edges of the cartridge. It is useful to look at the separated cartridge and see where and how deep you can insert the prying tool so not to damage doctor blade, mag roller or PCR. You will less likely damage the cartridge using a Putty Knife with stiff blade 1 1/4 inches wide as a prying tool than with a screwdriver.

**Note:** It will be easier to separate the cartridge if you remove the drum cover.



## Step A

First, insert the putty knife blade between the two halves of the cartridge on the waste hopper side and slowly pry them apart. Some toner will spill out on the sealant and they will not stick back together. (See Photo A)



### Step B

Then insert the putty knife blade between the two halves of the cartridge on the toner hopper side of the cartridge and slowly pry them apart, separating the outer sealing surfaces. Some toner will spill out and cover sealant to prevent it from sticking back together.

Insert the putty knife approximately one inch deep to get better leverage and pry apart, separating internal sealing surfaces. Don't go too deep or you'll damage doctor blade and mag roller. Apply steady force SLOWLY. (See Photo B)

Repeat Step A if necessary. Do not apply too much force or you will damage the cartridge.

Separate the waste hopper from the toner hopper. Toner will spill everywhere.

Go to the Step 8 to continue remanufacturing process.



# Appendix B

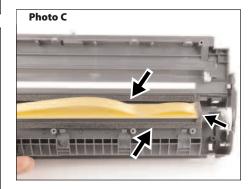
### Step C

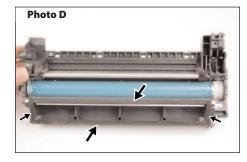
Remove all sealant residues from the cartridge. Clean the sealing surfaces with isopropyl alcohol and lint free cloth. Remember their position.

#### Step D

Use EX or HP4000 Rail Foams to seal the cartridge.

Apply them on the sealing surfaces, cutting them to size and creating two sealing gaskets around the toner and waste hoppers (See Photo C and D)





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