



HP4100TECH

Technical Instructions	Printers	OEM Info	Tools	1
------------------------	----------	----------	-------	---

**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

**ATLANTA, USA**

US 1 877 676.4223  
Int'l +1 770 516.9488  
FAX 1 877 337.7976  
Int'l +1 770 516.7794

**DALLAS, USA**

US 1 877 499.4989  
Int'l +1 972 840.4989  
FAX 1 877 774.1750  
Int'l +1 972 840.1750

**MIAMI, USA**

US 1 800 595.429  
Int'l +1 305 594.3396  
FAX 1 800 522.8640  
Int'l +1 305 594.3309

**NEW YORK, USA**

US 1 800 431.7884  
Int'l +1 631 345.0121  
FAX 1 800 431.8812  
Int'l +1 631 345.0690

**SANFORD, USA**

US 1 800 786.9049  
Int'l +1 919 775.4584  
FAX 1 800 786.9049  
Int'l +1 919 775.4584

**TORONTO, CAN**

CAN 1 877 848.0818  
Int'l +1 905 712.9501  
FAX 1 877 772.6773  
Int'l +1 905 712.9502

**BUENOS AIRES, ARG**

ARG 0810 444.2656  
Int'l +011 4583.5900  
FAX +011 4584.3100

**MELBOURNE, AUS**

AUS 1 800 003.100  
Int'l +62 03 9561.8102  
FAX 1 800 004.302  
Int'l +62 03 9561-7751

**SYDNEY, AUS**

AUS 1 800 003.100  
Int'l +62 02 9648.2630  
FAX 1800 004.302  
Int'l +62 02 9548.2635

**MONTEVIDEO, URY**

URY 02 902.7206  
Int'l +5982 900.8358  
FAX +5982 908.3816

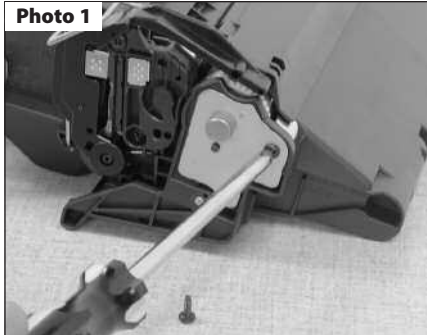
**JOHANNESBURG, S.A.**

S.A. +27 11 974.6155  
FAX +27 11 974.3593

HP4050  
HP4100  
HP4100DTN  
HP4100N  
HP4100TN

Part Number: C8061A  
Gram Load: 305 gms  
Yield @ 5%: 6,000 pgs  
Pages/Min.: 25  
Resolution: 300/600/1200dpi  
  
Part Number: C8061X  
Gram Load: 500 gms  
Yield @ 5%: 10,000 pgs  
Pages/Min.: 25  
Resolution: 300/600/1200dpi

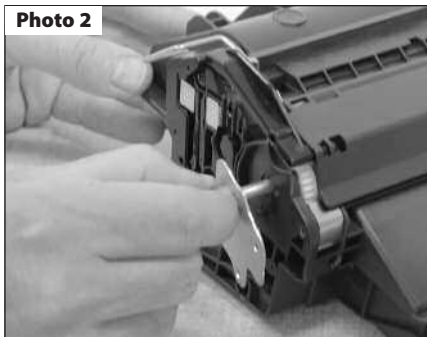
#1 Phillips Screwdriver  
Small Flat Blade Screwdriver  
Needlenose Pliers  
Padding Powder  
Soft Lint-Free Cloth  
Cotton Swabs  
Conductive Grease  
Anhydrous Isopropyl Alcohol  
Vacuum or Compressed Air  
Soldering Iron



**Photo 1**

**Step 1**

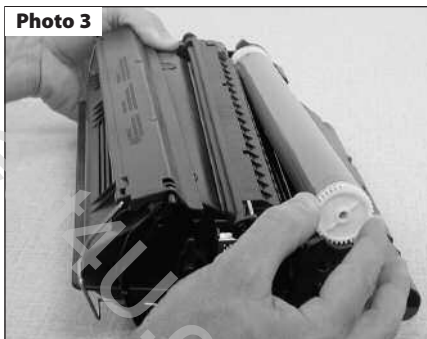
Place the cartridge on the workbench top down (drum facing up) and so the metal drum axle is facing you. Remove the two screws holding the drum axle.  
*(See Photo 1)*



**Photo 2**

**Step 2**

Remove the drum axle.  
*(See Photo 2)*



**Photo 3**

**Step 3**

Pull the drum shutter open exposing the drum. Either tape or hold the shutter open using your thumb. Grip the drum by the small gear end, lift and rotate clockwise while pulling the drum out of the bearing end plate.  
*(See Photo 3)*

**NOTE:** Be very careful not to catch the large gear of the drum on the corner of the recovery blade. This will damage the blade and cause leaking.

Photo 4

**Step 4**

Using needle-nose pliers, grasp the metal shaft of the PCR. Carefully lift and remove the PCR.

(See Photo 4)

**NOTE:** Clean the PCR using mild soap and water.

Photo 5

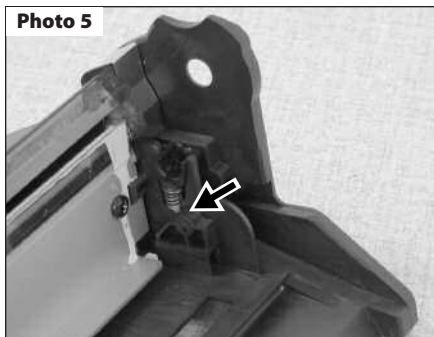
**Step 5**

Photo 5 shows a reinforcement feature of the cartridge. To remove the cartridge pins, use a soldering iron with a small tip and melt the plastic wall.

(See Photo 6)

Photo 6

**Step 6**

Once the pins are visible use a long punch or bent extraction tool to push the pins out from the inside on both ends of the cartridge.

(See Photo 7)

**Step 7**

With the pins removed, separate the two sections. Set the toner hopper aside.

## Notes

---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---

Photo 7

**Step 8**

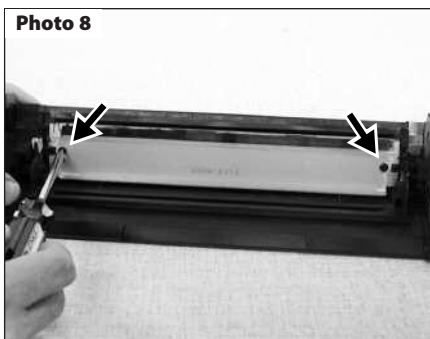
Remove the two screws holding the wiper blade and remove the blade.

(See Photo 8)

**Step 9**

Dump out the waste hopper. Using dry compressed air or a vacuum, clean out the hopper.

Photo 8

**Step 10**

Clean the PCR saddles with a swab and alcohol. Add conductive grease to the conductive (black) PCR saddle.

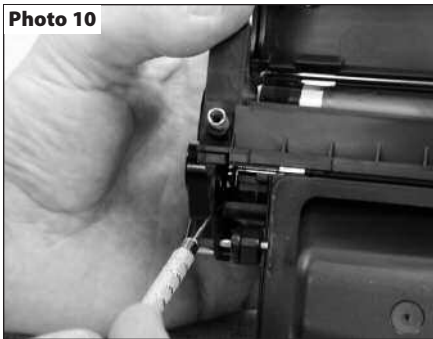
**Step 11**

To remove the drum shutter lift the drum shutter arm spring and latch it on the notch of the arm.

(See Photo 9)

Photo 9





**Step 12**

Take a small flat blade screwdriver and release the clip that holds the shutter arm to the toner hopper.

(See Photo 10)



**Step 13**

Pull the drum shutter bar out of the positioning slot on the same side of the hopper.

(See Photo 11)



**Step 14**

Rotate the cartridge 180 degrees. The drum shutter bar on this side of the hopper is keyed. Turn the bar back and upward until the keyed flat piece of the bar is vertical and aligned with the vertical slot on the toner hopper gear housing end cap, then slide the bar out.

(See Photo 12)

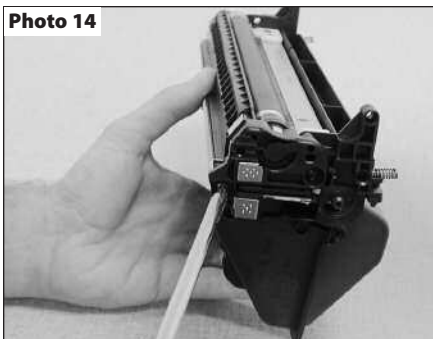


**Step 15**

With a Phillips screwdriver remove the two screws holding the toner hopper gear housing end cap.

(See Photo 13)

Remove the end cap.



**Step 16**

Carefully rotate the hopper 180 degrees. Remove the two screws holding the contact end cap to the hopper.

(See Photo 14)

**Notes**

---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



---



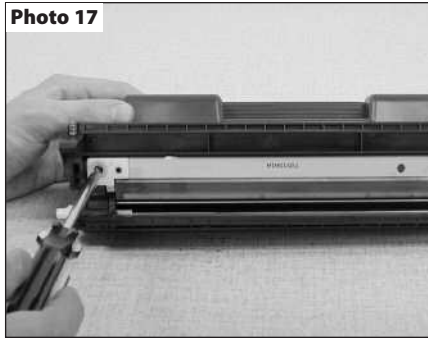
---

Need help with a particular remanufacturing problem?  
Call the Technical Resource Center from  
8am - 5pm PST: 800 394.9900

**Step 17**

Remove the contact end cap.  
**NOTE:** Be careful not to lose the white bearing that sits inside the contact end cap. (See Photo 15)

Photo 17

**Step 21**

Remove the two screws holding the doctor blade.  
 (See Photo 17)  
 These screws are longer than all the other screws in this cartridge and must be used here only.

Photo 15

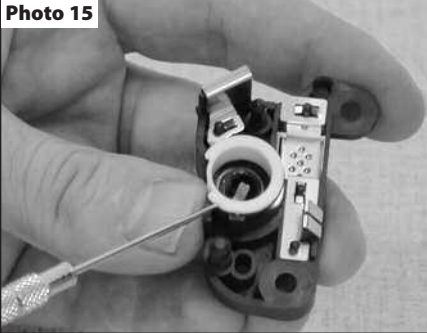
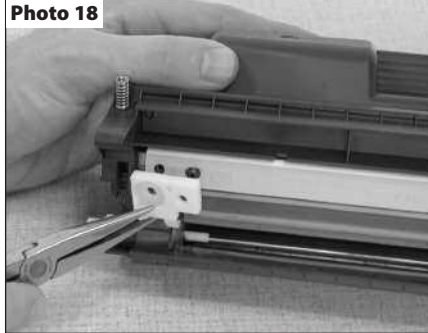


Photo 18

**Step 22**

Remove the two white plastic scrapers from the ends of the doctor blade.  
 (See Photo 18)

**Step 18**

Clean the old conductive grease from the contact end cap. Apply new conductive grease.

**Step 19**

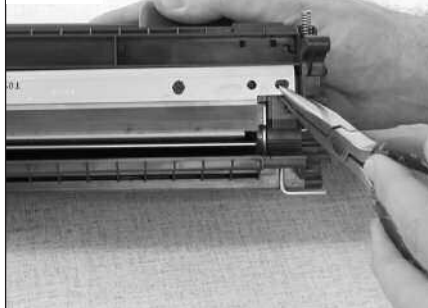
Lift the mag roller out and away from the hopper.

**Step 20**

Remove the mag roller drive gear, stabilizer bar, and mag roller bushings from the mag roller.  
 (See Photo 16)

**NOTE:** Do not lose the two C-shaped inner-bearing attached to the stabilizer bar. Clean the bushings using a soft cloth and alcohol.

Photo 19

**Step 23**

To remove the doctor blade, lift the right side of the doctor blade straight up.  
 (See Photo 19)

**NOTE:** Do not break the alignment pins on the toner hopper. If the doctor blade is not aligned properly print defect can appear.

Photo 20

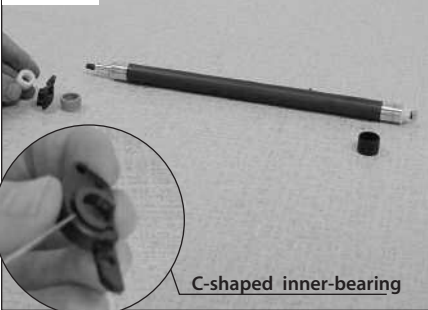
**Step 24**

Remove the two clear spacers that sit behind the doctor blade. (See Photo 20)

**Step 25**

Dump the remaining toner from the toner hopper. Using dry compressed air or a vacuum, clean out the hopper.

Photo 16



C-shaped inner-bearing

Photo 21

**Step 26**

Clean the toner sensor wire using a swab and alcohol.  
 (See Photo 21)

**Step 27**

Fill the toner hopper through the mag roller open. **NOTE:** Be very careful not to bend the sensor wire

**Step 26**

Reassemble in the reverse order.



## PRINTER MODEL COMPATIBILITY

PRINTER MODEL	OEM NUMBER
HP LaserJet 4100	C8061X
HP LaserJet 4100 MFP	C8061X
HP LaserJet 4100DTN	C8061X
HP LaserJet 4100N	C8061X
HP LaserJet 4100TN	C8061X
HP LaserJet 4101 MFP	C8061X

## FUTURE GRAPHICS PRODUCT LISTING

Product	Description	Item Number	Pack Qty.
Cartridge Bag	10x18, 2 mil Heat-Sealable Black/Silver Anti-Static Foil	BAG10X18	100
Cartridge Box	14 7/8x4 1/2x8 13/16 :Tape-Top White Box/Blue Print	BLUEBAR15X9	25
Cartridge Box Insert	Use Box # BLUEBAR15X9, Die Cut Corrugated	HP4000INSERT	50
Cartridge Box Label	Two-Color Self-Adhesive	HP4100LABEL	100
Cartridge Tech Guide	Remanufacturing Instructions	HP4100TECH	1
Chip	Compatible Replacement, OEM Part C8061X	HP4100CHIP	10
Doctor Blade	Kuroki (Works with HP4500 Black Cartridge)	HP4000DRBLADEK	10/240
Doctor Blade End Piece	Blue/White (one of each), Set of Two	HP4000DBEND	10
Drum	AEG, Weighted, Extra Quiet	HP4100AEGNTEQ	5/60
Drum	Sinonar, Weighted	HP4100SNREQ	5/50
Drum	AEG, DuraTek "Extra Quiet"	HP4100AEGQDT	60
Drum Kit	Compatible Replacement Chip, AEG Drum, 500gm Bottle - Onyx Toner, Kuroki Wiper Blade	HP4100KITA	10 Kits
Drum Kit	Compatible Replacement Chip, Sinonar Drum, 500gm Bottle - Onyx Toner, Kuroki Wiper Blade	HP4100KITB	10 Kits
Fill Cap		HP4100FILLCAP	100
Mag Roller Bearing	Left, Contact End, White	HP4000BEARINGC	10
Mag Roller Bearing	Right, Drive Gear End, Black, Stabilizer Inner Bearing	HP4000BEARINGD	10
Mag Roller Bushing	Small/Short and Large/Long, Set of Two, Sold per Set	HP4000BUSHING	100
Mag Roller Contact	Two-Piece Floating Style	EXCONTACT	100
Mag Roller Sleeve	New, Black Surface, Onyx	HP4000MAGONYX	10
PCR	New, Soft Foam Type, Extra Quiet (Works with HP4500 Color Cartridge)	HP4000PCREQ	10
PCR	New, Works with HP4500 Color Cartridge	HP4000PCRC	10
Seal	Metalized, Heat-Sealed to Plastic Support, Adhesive, Onyx	HP4100SEALONYX	50
Seal Channel Rail Foam	For Bottom, Non-Contact Side	HP4000RAILFOAM	100
Seal Channel Rail Foam	For Top, Contact Side	HP4100RAILFOAMT	50
Seal End Foam	Doctor Blade Seal End Foam	HP4100ENDFOAMS	50
Seal Perimeter Foam, Onyx	One-Piece Full Perimeter Seal Channel Foam, Adhesive, Black	HP41000PERIMETER	50
Toner	Bulk Bag, 22 lb Per-Fil - Box of 1, ONYX, Sold per Box	HP4100ONYX10KG	1
Toner	500 gm Bottle, Onyx	HP4100ONYX500	10
Toner, MICR	500 gm Bottle	HP4100MICR500	10
Wiper Blade	Kuroki	HP4100WBLADEK	10/200