

TECHNICAL INSTRUCTIONS



Tools

HP8100TECH

Technical Instructions

Printers

Part Number: C4182X Gram Load: 1100gms

Yield @ 5%: 20,000 pages

Pager per minute: 32 ppm

Resolution: 1200dpi

OEM Info

Needle Nose Pliers Anhydrous Isopropyl Alcohol

Small Hammer

Small Flat Blade Screwdriver

Soft Lint-Free Cloth 5/32" drift punch

Phillips Screwdriver

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HP8100

HP8100N

HP8100DN

HP Mopier 320

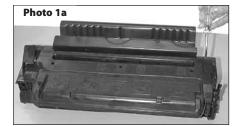


Photo 1b



Step 1

Locate and remove the cartridge clip on both sides of the cartridge using a small thin flat screwdriver. Gently pry up on the clip until it pops up then pry the other end away from the cartridge gently while working the clip up and down.

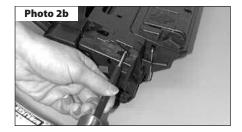
(See Photo 1a and 1b)

NOTE: It is very likely that these clips will break while they are being removed. If these break, replace with an after-market part. You may need to re-use the springs from the OEM clip.



Step 2

Using a hammer, punch knock the two locking pins inward until they fall inside. (See Photo 2a and 2b)



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Notes

Step 3

The two halves of the cartridge can now be separated. Remove the locking pins from inside (the longer pin goes on the large drum gear side).

Step 4

Set the toner hopper aside. If you have a waste hopper fixture, set the waste hopper in it. If not, place the hopper on the table, drum up, with the large drum gear facing you.

Photo 5

Photo 6a



Step 5

The drum axle is a metal rod that goes through the center of the drum end to end. Using a drift punch and a hammer, tap directly on the shaft (large gear end) and drive it toward the other end.

(See Photo 5)

NOTE: On the large gear end of the axle is a small white plastic retaining ring. Make sure you don't lose the retaining ring. The ring fits into a groove on the drum shaft to hold the shaft in position. Repeated removal will wear this ring and it will no longer snap into position. If the ring does not snap, replace it.

Step 6

Rotate the hopper 180° and pull the drum axle the rest of the way out.

(See Photo 6a)

Remove the drum from the waste hopper. (See photo 6b).

If you plan to reuse the drum, wrap it in a protective paper or cloth and set it aside in a dark, protected place.



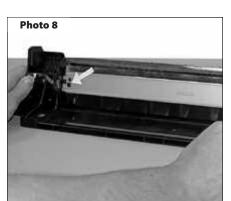
Photo 7

Sten 7

Remove the primary charge roller from its clips, clean it with a soft cotton cloth and set it aside for now. Clean the PCR saddles with a cotton swab and alcohol.

(See Photo 7)

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Step 8

Remove the two Phillips head screws holding the wiper blade and remove the blade. Be careful not to break the plastic positioning posts or lose the two white plastic washers. Empty out the waste hopper and clean it with a vacuum or compressed air. (See Photo 8)

NOTE: Be careful not to damage the recovery blade or foam seals and replace if necessary.



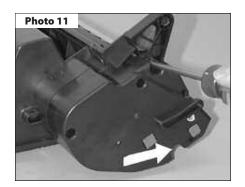
Notes

Step 9

Clean or replace the wiper blade and re-install it at this time. Clean the PCR with a soft cloth and re-install it. Place the drum in the correct position and re-install the axle and the white plastic axle ring.

Step 10

Set the waste hopper aside for now. If you have a toner hopper fixture, place toner hopper in it or place toner hopper on the workbench.

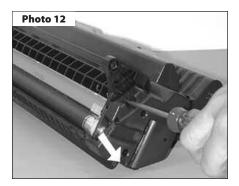


Step 11

Remove the two screws holding the end cap on the gear side of the toner hopper. Depress the small plastic clip and slide the end cap off.

NOTE: Be aware of the position of the gears for re-assembly.

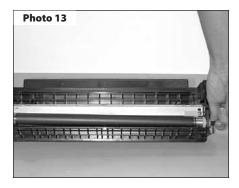
(See Photo 11)



Step 12

Turn the cartridge around. Remove the two screws that hold the end cap on and remove the cap by depressing the small plastic clip.

(See Photo 12)



Step 13

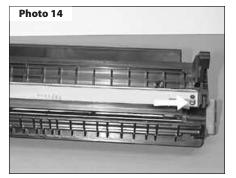
Lift out the mag roller. Remove the mag roller stabilizer, mag roller sleeve bearing from the non-gear side of the mag roller. (See Photo 13)

Need help with a particular remanufacturing problem?

Call the Technical Resource Center from 8am - 5pm PST: 800 394.9900



Notes

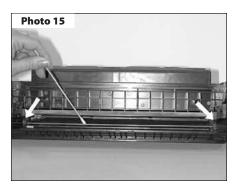


Step14

Remove the two long silver screws that hold the doctor blade and lift it out.

NOTE: Be careful not to break the plastic alignment pins or lose the two small springs behind the doctor blade.

(See Photo 14)



Step15

Dump the remaining toner from the toner hopper and vacuum or clean with compressed air. Clean the magnetic seals with vacuum or compressed air (see arrows). Clean the toner sensor bar lightly with a cotton swab and alcohol. Be careful not to bend the bar.

(See Photo 15)



Step16

At this point, if you are not going to seal this cartridge, you can fill it with toner now through the mag roller opening, then proceed to the next step. If you want to split and seal the toner hopper it must be done so along the weld line (see arrows).

(See Photo 16)

Step17

After splitting the hopper and installing a gasket seal, add the toner through the fill plug hole and re-install the plug. Use rail clips or hopper clips to re-attach both pieces of the hopper back together, being careful of correct alignment.

Step 18

Put the doctor blade back on with the two silver screws and the blue plastic tab on the right. Clean the magnetic roller with compressed air or mag roller cleaner and carefully re-install in the hopper with the drive gear to the left.

Step 19

Now re-install both end caps with their screws.

NOTE: The magnet inside the magnetic roller must be in the proper position to align with the "D" cutout on each end cap.

Step 20

For final assembly, position the waste hopper and the toner hopper against each other and install the locking pins and clips.

NOTE: The long pin goes on the large drum gear end.



CARTRIDGE MARKET OVERVIEW

OEM CARTRIDGE #

C4182X

OEM STATED PAGE YIELD

20,000 PGS @ 5 %

OEM CARTRIDGE LIST PRICE

\$199.00

COMPATIBLE CARTRIDGERETAIL PRICE

\$145.00

TARGET MARKET ENGINE SOLD

Market Sold To: Larger corporate end users from medium to larger work groups in a network environment.

PRINTER MODEL COMPATIBILITY

PRINTER MODEL	OEM NUMBER
Cannon ImageRunner 4000	EP-72
Cannon LBP-3260	EP-72
HP LaserJet 8100	C4182X
HP LaserJet 8100 DN	C4182X
HP LaserJet 8100 MFP	C4182X
HP LaserJet 8100 N	C4182X
HP LaserJet 8150	C4182X
HP LaserJet 8150 DN	C4182X
HP LaserJet 8150 HN	C4182X
HP LaserJet 8150 MFP	C4182X
HP LaserJet 8150 N	C4182X
HP Mopier 320	C4182X

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FUTURE GRAPHICS PRODUCT LISTING

Product	Description	Item Number	Pack Qty.
Cartridge Assembly Clip	Left Latch Clip With Spring	HP8100CLIPL	50
Cartridge Assembly Clip	Right Latch Clip With Spring	HP8100CLIPR	50
Cartridge Bag	14x24,3 mil Heat-Sealable Black/Silver Anti-Static Foil	BAG14X24	100
Cartridge Bag	18X24 Heat-Sealable Black/Silver Anti-Static Foil	BAG18X24	100
Cartridge Box Label		HP8100LABEL	100
Cartridge Tech Guide	Remanufacturing Instructions	HP8100TECH	1
Doctor Blade	Kuroki	WXDRBLADEK	10/180
Drum	AEG	HP8100AEGNT	5/60
Drum	Sinonar	HP8100SNR	5/50
Drum	AEG, DuraTek	HP8100AEGDT	5/60
Drum Axle O-Ring	Retaining Washer, White Plastic	WXDRUMRING	100
Hopper Rail Clip	4mm Metal Sure-Grip, Use 10 per cartridge	EXCLIP4MM	500
Hopper Rail Clip	340 mm Full-Length, Plastic	WXCLIP340MM	100
Mag Roller Bearing	Left, White Plastic	HP8100BEARINGL	10
Mag Roller Bearing	Right, White Plastic	HP8100BEARINGR	10
Mag Roller Sleeve	New, Black Surface, Onyx	WXMAGONYX	10
PCR	New	HP5000PCRC	10
Recovery Blade	Waste	HP5000RBLADEW	50
Seal	Adhesive Goldseal	HP8100GOLDSEAL	50
Seal	Adhesive Onyx, Foam	WXSEALONYX	50
Seal Pull Tab	Two-piece, Black and Orange	HP5000PULLTAB	10
Seal Pull Tab	Orange With Adhesive Strip	WXPULLTAB	100
Toner	Bulk Bag, 22 lb Per-Fil - Box of 1, ONYX, Sold per Box	HP8100ONYX10KG	1
Toner	1100 gm Bottle, Onyx	HP8100ONYX1100	10
Toner	1100 gm Bottle	HP8100TNR1100	10
Toner	1100 gm Bottle	HP8100MICR1100	10
Toner	1100gm Bottle, Onyx	HP8100MICR1100O	10
Wiper Blade	Kuroki	HP5000WBLADEK	10/15

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