Technical Instructions	Printers	OEM Info	Tools	1

HP5000 HP5000N HP5000GN	Part Number: C4129X Gram Load: 500 grams Yield @ 5%: 10,000 Pages/Min.: 16 ppm Resolution: 300/600/1200dpi	#1 Phillips Head Screwdriver Small Flat Blade Screwdriver Needle Nose Pliers Anhydrous Isopropyl Alcohol Padding Powder Soft Lint-Free Cloth Cotton Swabs Vacuum or Compressed Air

Photo 2

Step 1

Place the cartridge top down, drum side up, with the metal drum axle facing you.

Step 2

With a #1 Phillips screwdriver, remove the screws and pull the drum axle (metal side plate) away.
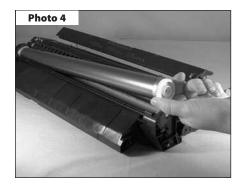
(See Photo 2)

Photo 3

Step 3

Turn the cartridge end for end and remove the two screws holding the drum bushing (plastic side plate) then remove the bushing.

(See Photo 3)

Photo 4

Step 4

Place the axle, and bushing aside. Pull the drum shutter back, and tape it or hold it with your thumb and grab the drum by the small gear end. Lift up on the small gear and pull the drum out, being careful not to catch the large drum gear on the corner of the recovery blade, it may bend or tear the blade, causing future toner leaks.

(See Photo 4)

FUTURE
GRAPHICS

Notes

*Wrap the drum for protection,
if it is to be used again, and
place it off to the side.*

Photo 6a

Photo 6b

Photo 7

Photo 8

Photo 9

Step5

Next, using a pair of Needle Nose pliers,
grasp the PCR by the metal shaft, remove
it, and place it off to the side as well.

Step6

You can now remove the two pins that
hold the cartridge together. Do not try to
push the pins in from the outside, the
wiper blade and plastic stops are in the
way, they must be removed from the
inside of the cartridge. Use a long punch
or bent extraction tool, and tap, then
press the pins out from the inside, on
both ends of the cartridge. The OEM pins
can be reused during re-assembly, or
after-market pins which have a shoulder
(allowing them to be removed from the
outside) can be used instead. Separate
the two halves and put the toner hopper
aside for now.   *(See Photo 6a and 6b)*

Step7

Hold the waste hopper with the wiper
blade facing you, and remove the two
Phillips head screws holding the wiper
blade.

(See Photo 7)

Step8

Lift the wiper blade out and away. Dump
out all waste toner from the hopper,
being careful not to damage the recovery
blade or foam seal (on the upper back of
the waste hopper). Clean the PCR saddles
with a cotton swab and alcohol.

(See Photo 8)

Step 9

Clean or replace the wiper blade and re-
install it at this time. Clean the PCR with a
clean lint free cloth (avoid using water or
solvents on this PCR). Re-install the PCR,
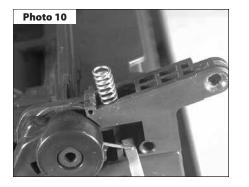and then apply padding powder to a new
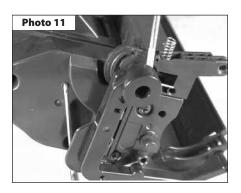drum and install it.

(See Photo 9)

Step 9 (cont.)

Be careful when installing the drum axle that the inner shoulder fits into the depression around the hole in the side piece completely . If not it will pinch the waste hopper side piece against the drum gear, which can cause binding. The waste hopper is now finished and can be set aside.
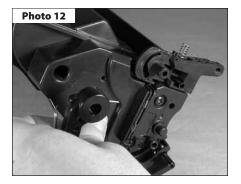
Notes

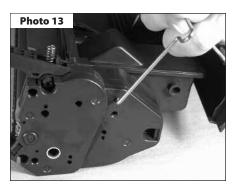**Photo 10**

Step10

Take the toner hopper and place it on the table with the mag roller side facing you. The drum cover is attached on the right side by a wire only, while the left side is attached by both a wire and the curved, spring-loaded plastic "drum cover arm". First, on the left end lift the drum cover arm spring and latch it on the cutout of the arm.   *(See Photo10)*

Photo 11

Step11

Take a flat blade screwdriver and pry the drum arm outward until it comes completely off of the shaft.

(See Photo 11)

Photo 12

Step 12

At this point, pull out the wire on that side until it is completely released from the toner hopper.

(See Photo 12)

Step 13

Photo 13

Turn the wire back and upward until the keyed flat piece of the wire on the right side is vertical and aligned with the vertical slot on the plastic side plate, then slide it out.

(See Photo 13)

Do not force it, as it will come out easily when aligned correctly. You have now removed the drum cover completely (it is very easy to re-install, in reverse order, at the end). Set it aside until the last.

FUTURE GRAPHICS

Notes

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Photo 14

Photo 16

Photo 17

Photo 18

Photo 19

Step14

Use a Phillips screwdriver to remove the three screws on the end cap on the right side of the toner hopper.

(See Photo 14)

Step15

Remove the side plate with a small, flat blade screwdriver. All the gears will stay attached to the side cover and can easily be air cleaned.

Step 16

Clean the conductive grease from the mag bias contact and replace it with fresh conductive grease. Do not remove the mixing paddle drive gear still attached to the toner hopper (indicated by arrow in photo 16).

(See Photo 16)

Step17

Remove the two screws from the small left side end cap and remove the end cap.

(See Photo 17)

Step 18

Remove the white plastic drive gear, plastic stabilizer arm and mag bushings from the mag roller. Remove the mag roller assembly.

(See Photo 18)

Step 19

Remove the two Phillips head screws holding on the doctor blade.

(See Photo 19)

NOTE: These screws are longer than all of the other screws in this cartridge and must be used here only. Remove the red and white plastic spacers and then the doctor blade. For reassembly: the red spacer goes on the right.

FUTURE GRAPHICS▶

Notes

Photo 20

Step 20

Dump the remaining toner from the toner hopper and vacuum or clean with compressed air. Clean the toner sensor with a cotton swab and alcohol.

(See Photo 20)

Also vacuum the mag roller "magnetic seals" (indicated with arrows in photo #20).

Photo 21

Step 21

The hopper may now be filled through the magnetic roller opening and reassembled in reverse order, if a seal is not to be used.

(See Photo 21)

Step 22

Complete the toner hopper reassembly in reverse order. Reattach the drum cover assembly.

Step 23

With the toner hopper and waste hopper units reassembled, test each one for free movement and lack of noise by turning them manually.

Photo 24

Step 24

Finally, join the two hoppers together.

(See Photo 24)

Step 25

Align them and push the two pins into place. The cartridge is now ready for testing.

FUTURE GRAPHICS

Engine Fact Sheet

CARTRIDGE CROSS COMPATIBILITY

CANON IMAGECLASS 2210/2220	HP LASERJET 5000
HP5000	HP5000GN
HP5000N	

FUTURE GRAPHICS PRODUCT LISTING

PRODUCT	DESCRIPTION	ITEM #	PACK QTY.
Cartridge Bag	13x23.5, 3 mil Heat-Sealable Black/Silver AntiStatic Foil	BAG13X23	100
Cartridge Box			25
Cartridge Box Insert			50
Cartridge Box Label	Black/Mustard, Two-Color Self-Adhesive	HP5000LABEL	100
Cartridge Pin	Metal, Tapered, With head	HP2100PIN	50
Cartridge Tech Guide	Remanufacturing Instructions	HP5000TECH	1
Doctor Blade	Kuroki	HP5000RBALDEK	10/150
Doctor Blade End Piece	Red/White, Mag Roller End, Set of Two	HP5000BEND	10
Drum	AEG	HP5000AEGNT	5/60
Drum	Sinonar, Weighted, Extra Quiet	HP5000SNREQ	5/50
Drum Protector Felt	Shutter Felt, Adhesive, 5 Inch	SUTTERFELT5	100
Drum Shutter Actuator Arm	With Spring	HP5000ARM	10
End Cap	Right Side	HP5000ENDCAPR	10
Hopper Cap	Fill Hole Plug .98" Diameter, Red	SXFILLPLUG	100
Hopper Rail	340 mm Full-Length, Plastic	WXCLIP340MM	100
Mag Roller Bushing	Set of Two, Sold per Set	HP5000BUSHING	10
Mag Roller Sleeve	New, Black Surface	HP5000MAGONYX	10
PCR	New, Onyx	HP5000PCRONYX	10
Recovery Blade	Waste	WXRBLADEW	50
Seal	Adhesive Goldseal, Foam, White	HP5000GOLDSEAL	50
Seal Pull Tab	Two-piece, Black and Orange	HP5000PULLTAB	10
Seal Pull Tab	Orange With Adhesive Strip	WXPULLTAB	100
Toner	500 gm Bottle	HP5000TNR500	10
Toner	500 gm Bottle, Onyx	HP5000ONYX500	10
Toner	Bulk Bag, 22 lb Per Fill – Box of 2, ONYX, Sold per Box	HP5000ONYX10KG	1
Toner, MICR	500 gm Bottle	HP5000OMICR500	10
Wiper Blade	Kuroki	HP5000OWBLADEK	10/150