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REMANUFACTURING THE BROTHER HL 2350 SERIES TONER CARTRIDGE TN-730/760



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SUPPLEMENT



Remanufacturing the Brother HL 2350 Series Toner Cartridge TN-730/760

The Brother HL-2350 printer engine is based on a 32ppm, 2400 x 600 DPI laser engine. These machines have a first page out in less than 8.5 seconds, and come standard with 64Mb of memory. The HL-2350 series also has duplexing built in. New printers in this series come with a Starter cartridge which is rated for 700 pages. The starter cartridge does not come with any reset gears.

There are two different toner cartridges available for these machines. The TN-730 is rated for 1,200 pages, and the TN-760 is rated for 3,000 pages. The drum unit which will be covered in separate instructions is rated for 12,000 pages. There are different part numbers for these cartridges depending on your region. They are as follows:

	STD	HY	Drum
Cartridges:	TN730	TN760	DR730

Figure A shows the toner cartridge with the developer roller cover.

Current machines released so far for this series are:

HL-L2350DW
HL-L2370DW
HL-L2370DWXL
HL-L2390DW
HL-L2395DW
DCP-L2550DW
MFC-L2710DW
MFC-L2730DW
MFC-L2750DWXL

There is a reset gear and a chip on these cartridges. Until a new chip is available, you can re-use the old chip.

Required Supplies

- Toner for use in the Brother HL-2350 series of cartridges

- Developer roller cover (Can re-use OEM if available)
- Dedicated developer roller cleaner. (Not Alcohol!)
- Lint free cotton cloths
- Toner magnet cloths
- White Lithium Grease
- New Chip when available, (Can reuse OEM chip until then)

1 Vacuum the exterior of the cartridge.



2 On the GEAR SIDE, (Left side with reset gear on opposite side), remove the three screws on the large half end cap (The end cap is in two separate pieces). Press in on the tab and remove the end cap.



3 Remove the remaining small end cap.



4 Remove the 5 gears.



5 Pry up the tab and remove the inner end cap.





step > 6 On the non-gear side of the developer roller remove the 2 screws and remove the end cap. Note that the reset gear stays with the end cap!



step > 7 Remove the screw from the small end cap on the developer roller shaft.



step > 8 Remove the Toner auger drive gear and the fill plug from the toner cartridge. Carefully pry up the plug from all sides. The fill plug is very fragile and easily damaged! Dump the remaining toner and vacuum/blow out the cartridge



step > 9 Remove the E-Ring and developer roller.



step > 10 Remove the two screws and Doctor Blade. Be careful not to damage the foal DB seal while cleaning, it comes loose easily.



step > 11 Clean out any remaining toner from the hopper. Pay special attention to the feed roller to make sure it's clean.



step > 12 Vacuum the doctor blade clean. The doctor blade can be easily cleaned by blowing the excess toner off, and wiping down with a lint free cloth. Be very careful not to leave any lint behind!



step > 13 Inspect the developer roller felts. If they are compressed, (shiny) rough them up with a small screwdriver.

step > 14 Clean the developer roller with a lint free cloth and a dedicated developer roller cleaner. Do not use any chemicals other than a dedicated developer roller cleaner to clean the roller. Any type of alcohol cleaner will strip the conductive coating off the roller.



step > 15 Install the Doctor Blade and two screws.



step > 16 Re-install the developer roller with the long shaft to the gear side.



step > 17 Install the E-Ring on the developer roller shaft.

step > 18 Clean the gears, making sure that they have no toner on them. This is a good time to also check the gear shafts to make sure there is enough grease. If the shafts appear dry, or the grease is contaminated with toner, clean the shaft and inside of the gear. Replace the grease with white lithium grease.



LOOKING FOR STEP-BY-STEP GUIDES FOR CARTRIDGES?



Mike Josiah's popular toner cartridge procedures are available in hardcopy format in some regions, and online to all regions as a library of cartridge models—sponsored by UniNet Imaging: www.uninetimaging.com

- step > 19** Install the inner developer roller end cap and screw on the Non gear side.



- step > 20** Install the six gears as shown.



- step > 21** Install the small end cap on the developer roller.



- step > 22** Install the larger gear side end cap, and three screws.



- step > 23** Fill the cartridge with toner for use in the Brother HL-2350 series of toner cartridges. Replace the fill plug.



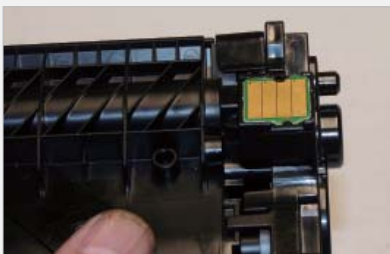
- step > 24** Install the toner auger drive gear be careful not to damage the felt seal. I find it best to rotate the gear as you insert it.



- step > 25** Install the small end cap.



- step > 26** Set the reset gear as shown. Install the end cap and two screws.



- step > 27** If available, replace the chip on the cartridge. (The chip can be re-used)



- step > 28** Wipe the cartridge down to remove any remaining toner dust. (Be careful not to touch the developer roller!)