

Brother N-350, TN-330, TN-360 TECHNICAL INSTRUCTIONS



TN350TECH

Technical Instructions Cartridge Information Tools & Supplies See Last Page. See Last Page. CORPORATE

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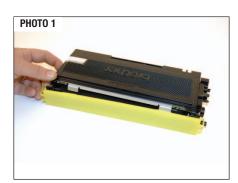
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NOTE: All photos show the TN-350 toner cartridge. There are slight differences in the outward design of the TN-330 and TN-360, but the remanufacturing process is the same. The only exception is the mechanical reset lever which is shown in separate photos (Note A).

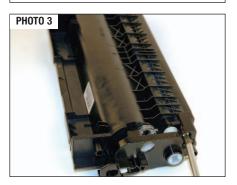
Step 1

Remove the developer roller protective cover by unlatching from one side. Clean and place aside for reuse (may not have it installed on the toner hopper) (see photo 1).



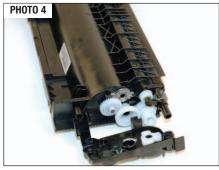
Step 2

Place the cartridge flat side down and the fill plug away from you (See photo 2).



Step 3

Remove the three Phillip screws located on the drive train end cap facing you. Remove the cap and place aside (See photo 3).



Step 4

Remove the black support bracket from the end of the developer roller shaft (See photo 4).

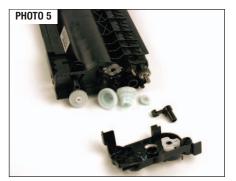
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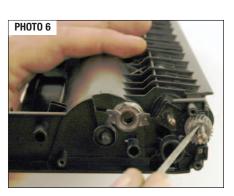


Notes



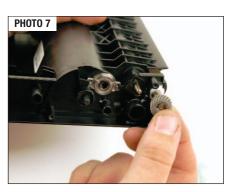
Step 5

Take off the train gears making note of their orientation (See photo 5).



Step 6

Using a flat blade screwdriver remove the "E" clip from the end of the drive gear on the developer roller shaft (See photo 6).



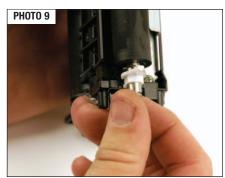
Step 7

Remove the drive gear from the end of the developer roller gear shaft (See photo 7).



Step 8

Lift the end of the tab on the white bearing out from the side wall of the hopper and rotate the tab upward to unlock the developer roller from the toner hopper (See photo 8).

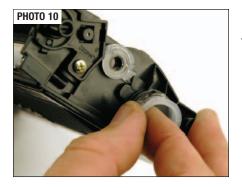


Step 9

Lift up the developer roller enough to clear the toner hopper and remove by carefully pulling forward towards you until the shaft comes out of the toner hopper on the opposite side. Clean the developer roller using a dry lint free cloth (See photo 9).

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Step 10

Remove the toner fill plug. Dump out the toner from the toner hopper. Using dry compressed air or vacuum, thoroughly clean out the toner hopper. Clean the developer blade using a dry lint free cloth (See photo 10).

Notes



Step 11

Place the cartridge flat side down and the fill plug away from you. Carefully install the developer back into the toner hopper with the white bearing clip towards you on the end of the shaft. Make sure the tab of the white bearing is in the upright position (See photo 11).



Step 12

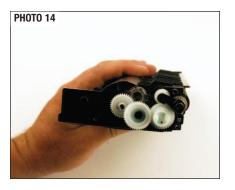
Rotate the white bearing clip until it clicks into its position in the hole on the toner hopper.

Install the developer roller drive gear onto the end of the developer roller shaft (See photo 12).



Step 13

Place the "E" clip onto the end of the shaft of the developer roller. Using the flat blade screwdriver snap the ring back into place (See photo 13).



Step 14

Reinstall the train drive gears and the black support bracket from the end of the developer roller shaft (See photo 14).

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Step 15

The drive train end cap contains a mechanical lever that has to be reset so that the gear strip on the lever will engage with the gear train and trigger the movement from left to right of the lever. The movement of the lever triggers a switch inside the print engine that resets during initial rotation of the cartridge when the cartridge is first installed (See photos 15 & 16).



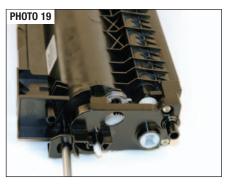


Notes

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NOTE A

In TN-330 and TN-360 cartridges the mechanical reset lever is engaged with the gear train through the gear strip and additional gear located on the drive train end cap (See photos 17 & 18).

TN-330 reset lever is black, TN-360 reset lever is white. Also, TN-330 reset lever has shorter gear strip than the TN-360. That is how the machine recognizes if there is a standard or high-yield cartridge installed.

Step 16

Replace the drive train end cap back onto the toner hopper and install the Phillip screws that hold it in place (See photo 19).

Step 17

Fill with toner.

Replace fill cap (See photo 20).

Step 18

Replace the developer roller protective cover by latching from one side (See photo 21).



Brother TN-350, TN-330, TN-360 TECHNICAL INSTRUCTIONS



OEM INFO:

Part Number: TN-350 Yield @ 5% 2,500 pages Gram Load: 90 grams

PPM: 20

Part Number: TN-330 (TN-2110 Europe, TN-2130 Asia) Yield @ 5% 1,500 pages Gram Load: 75 grams

Part Number: TN-360 (TN-2120 Europe, TN-2150 Asia) Yield @ 5% 2,600 pages Gram Load: 90 grams

PPM: 23

PRINTERS:

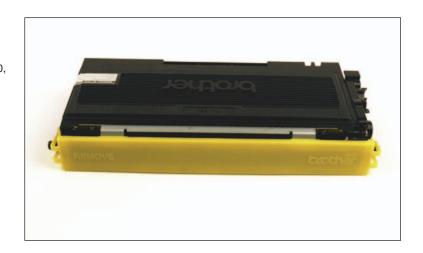
HL-2040, HL-2070N, HL-2140, HL-2150N, HL-2170W MFC-7220, MFC-7225N, MFC-7420, MFC-7820N

FAX-2820 / FAX-2920

DCP-7020

TOOLS:

Flat Blade Screwdriver Phillips Screwdriver



The Brother HL-2040 and HL-2070N printers are 20ppm monochrome laser printers with up to 2400x600 dpi resolution and standard 250 sheet input capacity. Both printers have standard interface connection that is Parallel and USB the HL-2070N contains the network 10/100 BaseT Ethernet connection. The other models MFC, FAX and DCP take the same supplies but have other options.

Consumables that come in the box for the above mentioned models contain a starter cartridge rated at 1,500 pages and the regular drum unit DR350 rated at 12,000 pages. The starter cartridge is a one use cartridge due to a mechanical reset lever that is missing but contained in the standard cartridge.

The Brother HL-2140, HL-2150N and HL-2170W printers are 23ppm monochrome laser printers with up to 2400x600 dpi resolution and standard 250 sheet input capacity. All printers have standard USB interface connection. HL-2150N and HL-2170W also have 10/100 Base-TX Ethernet interface and HL-2170W has Wireless 802.11b/g network connection.

All printers come with starter toner cartridge rated at 1,000 pages and the regular drum unit DR-360 (DR-2100 in Europe, DR-2125 in Asia) rated at 12,000 pages. As with HL-2040/2070N printers, the starter cartridge is missing the mechanical reset lever.

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