

ReChargX™ RX463S Instructions

For Refilling the Brother TN Starter/Introductory & TN730 Cartridge

ReChargX™ RX463S Instructions: Overview

The Brother TN Starter / Introductory and TN730 are the toner cartridges found in the following printer models (and all machines using the same “engine”):

DCP-L2550dw	HL-L2350dw
HL-L2390dw	HL-2395dw
MFC-L2710dw	MFC-L2750dw
HL-L2370dw (XL)	MFC-L2750dw (XL)

All future refills will require the purchase of the ReChargX™ RX463X Toner Refill Kit to properly reset the additional gear used on your toner cartridge along with the correct amount of toner for the High-Yield version of the toner cartridge.

Included in the ReChargX™ RX463S Kit

- ReChargX™ RX463S instructions
- ReChargX™ RX463S premium print toner
- Pre-assembled end cap (gear & spring)
- Toner hopper plug
- Residual toner bag
- Toner bottle funnel spout
- “Toner grabber” cloth
- Work surface protector/newsprint

Required Tools

The toner refill process requires the use of our ReChargX™ Brother tool kit which includes:

- Small flat-blade screwdriver
- Small phillips head screwdriver



Brother TN Starter / Introductory Cartridge (End Cap)



Brother TN730 Cartridge (End Cap)



ReChargX™ RX463S premium print toner refill kit and Brother tool kit tools to refill your cartridge using the kit

Step 1: Prepare your work surface

Included in the ReChargX™ RX463S premium print toner refill kit is a sheet of newsprint (**Figure 1**).

Unfold the sheet and lay it across your work surface.

The newsprint keeps your work surface clean and is discarded after completing the refilling process.

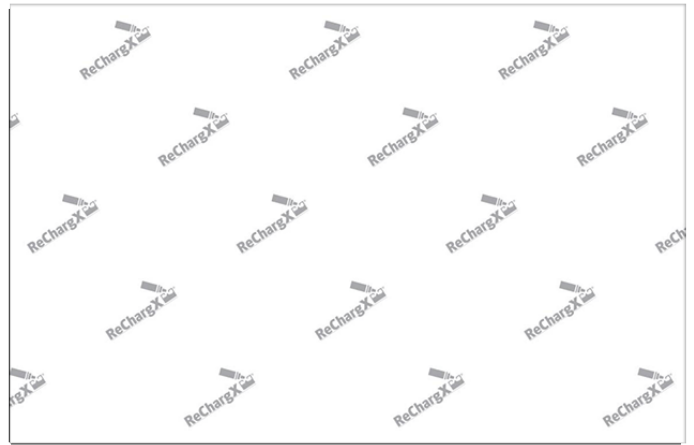


Figure 1: ReChargX™ newsprint work surface protector

Step 2: Position the drum unit and toner cartridge assembly

When you remove the cartridge from your printer the drum unit will still be attached.

Position the assembly on your work surface so the handle on the front of the toner cartridge (**B**) is facing you and the green or blue tab (**A**) is on the left-hand side (**Figure 2**).



Figure 2: Positioning the drum unit and toner cartridge assembly

Step 3: Separate the toner cartridge from the drum unit assembly

Press and hold down the green or blue tab (**A**) located on the left-hand side of the unit while lifting up on the handle of the front of the toner cartridge with your right hand (**B**) to separate the toner cartridge from the drum unit (**Figure 3**).

Lift the toner cartridge up and off of the drum unit.

Note: Since the drum in the drum unit can be easily scratched or damaged, put it out of harm's way until we are completely finished with the refilling operation.

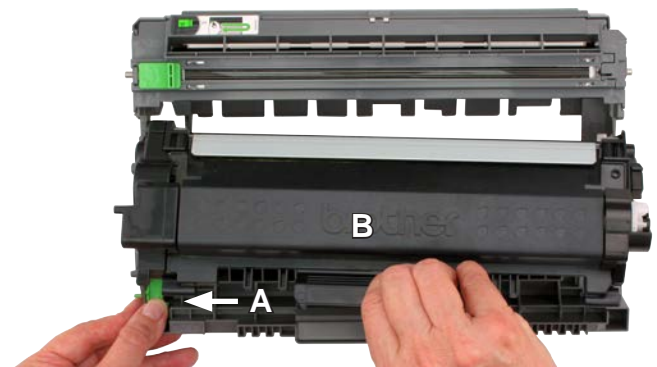


Figure 3: Removing the toner cartridge from the drum unit

Step 4: Prepare the cartridge for refilling

Position the cartridge on your work surface so the handle (**B**) is facing toward you and the developer roller (**A**) is facing away from you (**Figure 4**).



Figure 4: The toner cartridge in the correct orientation

Step 5: Protect the developer roller

The developer roller along the front of the cartridge is critical to the image production process and can be damaged even by a fingerprint.

To protect the roller during refilling we will cover it with a sheet of paper.

Start with a piece of paper in "portrait" orientation, then fold the 8.5" X 11" sheet in half (folding the top edge over to meet the bottom edge) leaving an 8.5" X 5.5" sheet.

With the cartridge face up tape one of the long 8.5" edges to the top of the cartridge (**Figure 5-1**).

Carefully fold the paper over the developer roller (again, being careful not to touch the developer roller with your fingers) and tape the other edge of the paper to the bottom of the cartridge (**Figure 5-2**).

Return the cartridge to its original orientation to continue (**Figure 5-3**).

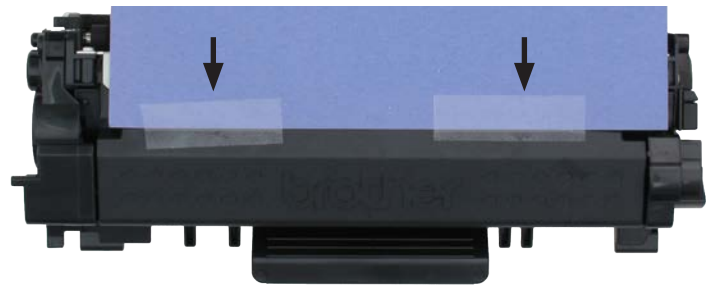


Figure 5-1: Protecting the developer roller (top-side)



Figure 5-2: Protecting the developer roller (bottom-side)



Figure 5-3: The cartridge protected

Step 6: Remove the cartridge end cap

Position the cartridge on your work surface so the black plastic end cap (which covers the internal gears of the cartridge) is facing upward and the handle of the cartridge is on the left-hand side.

You now have access to the two screws which secure the end cap to the cartridge.

Use the phillips-head screwdriver to remove the phillips-head screws (**Figures 6-1 & 6-2**) and set them aside for later use.



Figure 6-1: Remove the end cap screws (1 of 2)



Figure 6-2: Remove the end cap screws (2 of 2)

After removing the two phillips-head screws, lift the end cap off the cartridge (**Figures 6-3**).

Discard the end cap.



Figure 6-3: Remove the cartridge end cap

Remove the black gear from the starter / introductory toner cartridge (**Figure 6-4**).



Figure 6-4: Remove the drive gear from the starter cartridge

Remove the white gear from the TN730 toner cartridge (**Figure 6-5**).



Figure 6-5: Remove the drive gear from the TN730 cartridge

Step 7: Remove the cartridge plug

Hold the toner cartridge upright and use the edge of the flat-blade screwdriver to carefully pry and lift the plug up and out of the cartridge (**Figure 7**).



Figure 7: Remove the cartridge plug

Step 8: Remove the remaining Brother toner

Prior to adding “fresh” toner, we must remove the residual “old” toner.

On the first refill of your cartridge, the new toner should not be combined with OEM Brother toner remaining in the hopper.

Failure to remove the toner will result in splotching, smudging, hazing, and/or other print defects.

Turn the toner cartridge on its end allowing the toner hopper to empty its contents (**Figure 8**).

Set the cartridge aside and carefully zip the bag to enclose the waste toner. Discard the residual toner bag and waste toner.

Step 9: Add the ReChargX™ RX463S premium print toner to the toner hopper

Before starting the toner hopper refilling process (and after verifying the bottle cap is screwed firmly in place), gently rock or shake the bottle back-and-forth several times to ensure the toner will flow smoothly (the toner can settle and compact during shipping).

Remove the original cap from the toner bottle and attach the clear, plastic dispenser spout from the ReChargX™ RX463S premium print toner refill kit.

For the easiest, quickest and most mess-free refilling, tilt the end of the cartridge up with the toner hopper hole at a 45 degree angle and slowly angle the dispenser spout on the bottle of toner to meet up with the hole (**Figure 9**). Tilting the bottle up a little more will start the toner flowing into the toner hopper.

Pour the toner slowly. **RESIST ALL TEMPTATION TO SQUEEZE THE BOTTLE** to increase the flow of toner. The likelihood of toner escaping under pressure greatly increases when the bottle is squeezed while filling the cartridge. If the toner stops flowing, return the bottle to the upright position and restart the filling process.

Fill the cartridge until the hopper appears to be full. Any toner remaining in the bottle can be used at a later date after you have completed a significant amount of printing.



Figure 8: Remove the remaining toner from the cartridge



Figure 9: Refill the toner cartridge

Step 10: Activate the toner grabber cloth

Take the orange toner grabber cloth from the ReChargX™ RX463S premium print toner refill kit and stretch it along both dimensions; the cloth will stretch considerably in one dimension and not the other (**Figure 10**). Stretching the toner grabber cloth activates the toner retaining substance embedded within the cloth which gives it the ability to pick up and retain toner.

Note: Only use the toner grabber cloth on the exterior of the cartridge. Do not use the cloth to clean any of the internal components or the drum as the toner grabber will leave a residue on those critical image production components which will affect the quality of the print output.

Step 11: Clean the area around the toner hopper opening

Using the toner grabber cloth, firmly wipe around the area of the toner hopper hole (**Figure 11**).

You may also want to use the cloth to clean any toner left on the toner bottle dispenser spout and your immediate work space.

Step 12: Apply the Plug

Apply the small, black plug from the ReChargX™ RX463S premium print toner refill kit onto the cartridge. Press firmly around the plug to ensure a strong fit (**Figure 12**).

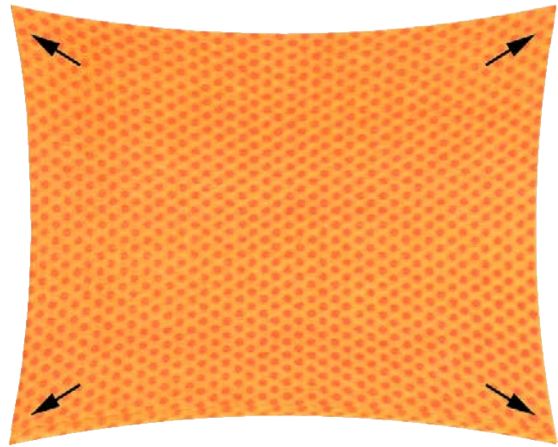


Figure 10: Stretch the “toner grabber” cloth



Figure 11: Clean the cartridge using the toner grabber cloth



Figure 12: Apply the plug to the toner cartridge

Step 13: Adding the new drive gear

Retrieve the white drive gear from the ReChargX™ RX463S premium print toner refill kit.

Place the white drive gear into the location of the previously removed drive gear (**Figure 13**).

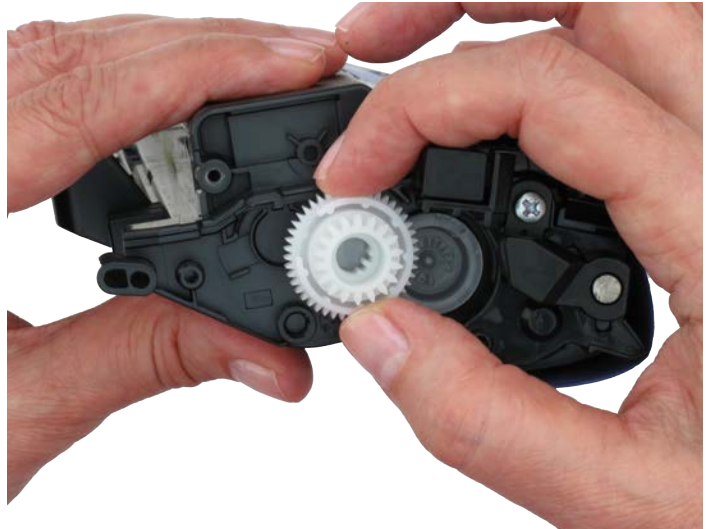


Figure 13: Place the drive gear onto the cartridge

Step 14: Positioning the new drive gear

The drive gear must be positioned correctly in order to engage the reset gear.

Turn the reset gear counter clockwise until the gear's inner indent/notches face the bottom-right around the 5'o clock position (**Figure 14**).

With the procedure completed, we now can set the cartridge aside and retrieve the end cap to complete the reset steps.



Figure 14: The drive gear in its reset position

Step 15: Reset the Cartridge Gear

Included in the ReChargX™ RX463S premium print toner refill kit is a pre-assembled cartridge end cap.

The end cap includes a white reset gear and spring.

Hold the cartridge end cap with the reset gear facing toward you (**Figure 15-1**).



Figure 15-1: The cartridge end cap with reset gear

Place your finger over the post in the center of the reset gear (**Figure 15-2**). This ensures the gear and spring stay in place in the following steps.



Figure 15-2: Secure the reset gear to the end cap

Turn the end cap over (**Figure 15-3**).



Figure 15-3: Hold the back of the reset gear, flip over

Use your finger to grip the reset gear's arm while holding the back of the reset gear with your other hand's finger.

Turn the reset gear counterclockwise until the gear no longer turns (**Figure 15-4**).



Figure 15-4: Rotate the gear the rest of the way (final position)

While holding the gear's arm to the left (do not release the reset gear, as the tension from the spring will cause it to rotate in the opposite direction) place the end cap back onto the cartridge aligning it to the gear, post, and screw openings (**Figure 15-5**).

Note: If the gear over rotates, repeat the process in as the gear needs to be in this exact position when placing the end cap back onto the cartridge.



Figure 15-5: Place the end cap onto the toner cartridge

Secure the end cap to the cartridge (**Figure 15-6**).



Figure 15-6: Secure the end cap to the toner cartridge

Step 16: Reapply the end cap screws

Reapply the 1st screw to the end cap (**Figure 16-1**).



Figure 16-1: Reapply the end cap screw (1 of 2)

Reapply the 2nd screw to the end cap (**Figure 16-2**).

Step 17: Remove the protective paper

Remove the protective paper (**Figure 17**) and make certain you do not accidentally touch the developer roller once the paper has been removed.

Step 18: Reinstall the cartridge into the drum unit

Reinstall the cartridge onto the drum unit (making certain it clicks into place). Place the entire assembly back into the printer (**Figure 18**).

Note: If your printer did not reset or recognize the cartridge, repeat the gear reset procedure.

Congratulations - You are finished!

You have refilled your Brother cartridge and replaced the gears saving over 72% in the process versus “office superstore” prices.

- End of ReChargX™ RX463S Instructions -

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Figure 16-2: Reapply the end cap screw (2 of 2)

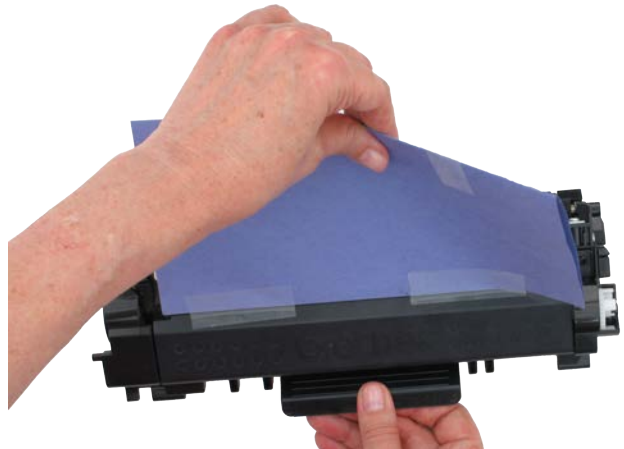


Figure 17: Remove the protective paper

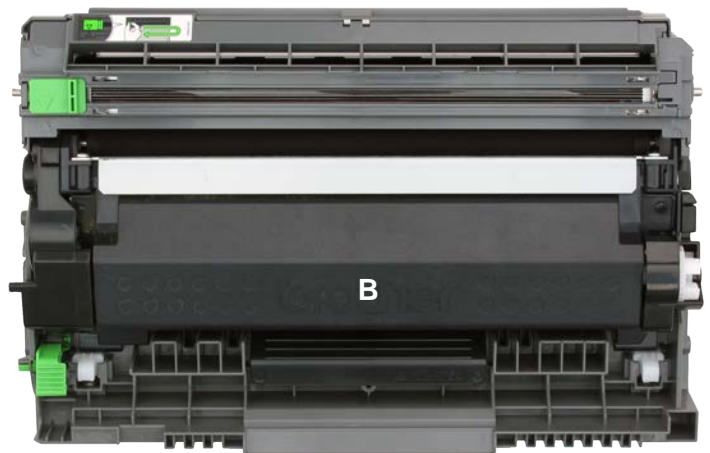


Figure 18: Cartridge/drum ready for use

