

TECHNICAL DOCUMENT

- [Overview](#)
- [Required Tools](#)
- [Supplies Required](#)
- [Prepare Work Area](#)
- [Cleaning And Filling the Supply Chamber](#)
- [Cleaning the Primary Corona Wire](#)
- [Cleaning the Waste chamber](#)
- [Recommended Supplies](#)

Ricoh 2700 (Type 100 & 150) Toner Cartridges

DOC-0188

OVERVIEW



These instructions cover the recharging of the Ricoh 2700 toner cartridge. The purpose of this procedure is to remove old and add new toner into the cartridge. This cartridge houses the toner supply, waste chamber, and Primary Corona Wire Assembly. The Type 100 cartridge is rated for 4000 pages at 6% coverage. The Type 150 cartridge is rated for 4500 pages at 6% coverage. Our toner is bottled for the type 150, if you have type 100 use 2409.

NOTE: These Instructions should be read completely before proceeding with the recharge

REQUIRED TOOLS



1. Vacuum (optional) approved for toner removal
2. Safety goggles and breathing mask.
3. Small common screwdriver
4. Small Phillips Head screwdriver
5. Needle Nose Pliers

WARNING: Always wear safety goggles and breathing mask when working with or around toner. Do not disperse the toner into the air. Use approved toner vacuums and filters at all times.

Approved Vacuums:

Toner approved vacuum. The Atrix HCTV canister type toner vac, OR the Atrix AAA portable style vacuum. Some type of approved toner vacuuming system is important because toner consists of very fine particles that will pass right through a normal vacuum filter, and blow out the exhaust.

SUPPLIES REQUIRED



1. Black Toner 265 Grams
2. Cotton Swabs

3. Lint Free Cotton Pads
4. Toner Magnet
5. 99% Isopropyl Alcohol
6. Clean compressed air
7. Sealing Strip

PREPARE WORK AREA



1. Before proceeding with the following procedure you should have a work area available with approximately 4' x 3' clear space. It should be covered with some disposable paper since toner will spill on this area. It is recommended that brown craft paper be used and taped to the work area. This will hold the paper in place when trying to vacuum toner from the paper.
2. A garbage can with a strong plastic liner should be adjacent to the work area to empty used toner. It should be at least 2' deep to prevent toner from clouding up and over the top of the bag during disposal
3. Have a few rags available and some disposable paper towels. Toner Magnets are perfect for this

The work area should be capable of being ventilated, if by accident toner becomes dispersed into the air. An exhaust fan in one window is recommended for ventilation.

CLEANING AND FILLING THE SUPPLY CHAMBER



1. The toner supply chamber is located at the bottom of the cartridge. (This part hangs down when the cartridge is inserted into the machine). On the large gear side of the chamber, there is one Phillips Head screw. Remove the screw, and the plastic end cap behind it. This end cap has a metal ground contact. Be very careful not to damage this contact when removing.
2. Remove the supply chamber from rest of the cartridge.
3. On the side of the chamber with the White Lever, you will see two small fill plugs. Remove these plugs, and vacuum the cartridge clean.
4. There is a long open slot that runs under the foam covered metal bar. Take the strapping tape, cut a length approximately 3x the length and seal up the slot. Start on the White Lever side, and move to the gear side double the tape over on itself so that you have a pull tab. The pull tab should hang over the White Lever side of the cartridge.
5. Fill the cartridge through the two fill holes. If you do not have a small enough funnel, make one out of paper.
6. Replace the fill plugs, and check the cartridge for leaks.

CLEANING THE PRIMARY CORONA WIRE ASSEMBLY



1. Remove the two small plastic clips located on each end of the assembly. Be very careful not to lose the two metal clips located on the back of the assembly. These slide off and can be easily lost
2. For a thorough cleaning, pry up the two small plastic pieces on each end, un-clip the Grid, and remove. Once the grid has been removed, clean the Corona Wire with the Isopropyl Alcohol, and a cotton swab. Run the swab carefully along the wire and the wire guides. Be very careful not to break this fragile wire.

CLEANING THE WASTE CHAMBER



1. The Waste Chamber has five plastic pins. Remove each pin by pushing in through the collar from the back side of the hole. Remove the pins and collars.
2. Remove the plastic cover, and vacuum the entire assembly clean.

3. Remove the Magnetic cleaning, (Sweeping) roller from the cartridge. Be careful not to lose the small gear and spacer!
4. To remove the Wiper Blade, remove the two screws, and white plastic collars. Carefully pry up the Wiper Blade, it is held in place by a bead of silicon on the bottom edge. When replacing the Wiper Blade, be sure to remove the old silicon and place a fresh bead in the same area.
5. Coat the Wiper Blade with drum padding powder.
6. Replace the plastic cover, and replace the pins and collars. Put the collars in first, and then the plastic pins. This will lock the cover in place.
7. Re-assemble the cartridge by reversing steps 3.1 to 5.6. Be careful not to damage the metal ground contact on the end cap! Make sure this contact is clean!
A new cartridge comes complete with a felt wand. No new felt is currently available, however, the felt from the Okidata OL-400 will fit. You will need to use two pieces as the felt is a little short. Cut the second piece to fit in the remaining area.

© 2003 Summit Laser Products, Inc. Any attempt to reproduce any part of these instructions without the written consent of Summit Laser Products, Inc is prohibited. All registered trademarks are the property of their respective owners.

RECOMMENDED SUPPLIES



Microsoft OLE DB Provider for ODBC Drivers error '80004005'

[Microsoft][ODBC Microsoft Access Driver]General error Unable to open registry key 'Temporary (volatile) Jet DSN for process 0x698 Thread 0xee0 DBC 0x97a3ffc Jet'.

/script/catSearch.asp, line 58