TECHNICAL DOCUMENT

Sharp JX-9500 OPC Cartridges

DOC-0223

OVERVIEW

These instructions cover the recycling of the Sharp JX-9500 OPC cartridge used in laser printers, and plain paper fax machines using the Sharp JX-9500 laser engine.

The purpose of this procedure is to vacuum out toner that will have spilled inside the cartridge during shipping and/or rough handling, to clean the Waste Chamber, and to replace the OPC Drum with a new Long Life Replacement Drum, Fuse-9501, and Wiper Blade. This procedure should also be used to examine the internal parts of the cartridge for possible damage, or wear should the printing of the cartridge be poor and not correctable by any other means.

REQUIRED TOOLS

- Phillips head screw driver.
- Small Common screw driver
- Vacuum approved for toner
- Needle Nose Pliers
- Safety goggles and breathing mask.

  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 Vacuum systems:

Toner approved vacuum. The Atrix HCTV toner Vac, or the Atrix AAAOmegas Toner Vac. 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, creating a real mess.

Required Supplies

- DRUM-9500 Long Life OPC Drum
- FUSE-9501
- WB-9500 Wiper Blade
- Emery Cloth or Fine grit sand paper
- Cotton Swabs
- DPP Drum Padding Powder (Zinc Sterate)
- Isopropyl Alcohol
- Super Glue

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.
4. 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.

Disassembly

1. Turn the cartridge upside down, so that the drum is on top, and the label is facing you.
2. Remove the three Phillips head screws from both Drum Axle pins, and remove the pins. To remove the left pin you

will first have to turn it slightly to free it.

3. Remove the OPC Drum and place aside.
4. Turn the cartridge so that the Corona Wire Assembly is on top.
5. On either side of the Corona Wire Assembly there are two Phillips head screws. Remove these screws, and the Corona Wire Assembly, place aside.

Cleaning The Debris Cavity

There are five Phillips head screws that hold the Wiper blade on. Remove these screws, and the wiper blade. Vacuum the Debris area and worm gear clean.

NOTE: Be very careful not to bend or otherwise damage the small thin recovery blade located next to the Wiper Blade. If this blade is bent down lower than the height of the wiper blade, toner will accumulate on top of the blade and spill into the printer. If the blade does get bent, it may be possible to carefully bend the blade up equal to or slightly higher than the Wiper Blade.

Re-Assemble The Cartridge

1. Coat the new Wiper blade with Zinc Sterate (not Kynar), and replace in the cartridge.
2. Clean the Primary Corona Wire Assembly 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. If there is any toner remaining in the assembly blow it off with a can of clean air. Be certain to blow away from yourself and only after all heavy signs of toner have been removed.
3. Replace the Corona Wire Assembly, and its screws back in the cartridge.
4. Remove the gears from the old OPC Drum. See document # 4019 on our Fax Back system if you are not sure how.
5. Take the new OPC drum and lightly sand the area INSIDE the OPC Drum where the metal part of the contact gear will touch. This will insure a good electrical contact. Make sure you do this on the side of the drum OPPOSITE the silver band.

   NOTE: It is a good idea to “dry fit” the contact gear in the sanded side first and check the contact with an OHM meter. The reading should be a direct short, or no more than 1 or 2 ohms. If you are not sure how to do this, again please see document # 4019 on our Fax Back system.
6. Place a few drops of super glue on the inside of the OPC Drum, and insert the gears. Make sure the contact gear is inserted on the side OPPOSITE the silver band.

   NOTE: Be very careful not to get any glue on the contact part of the gear, as this will insulate the gear from the drum and cause serious print defects.
7. Once the glue has dried, (approximately 5 minutes). Coat the NEW OPC Drum with DPP (Zinc Sterate) and place the Drum in the lower half of the cartridge.
8. Replace the OPC drum and drum axle pins in the cartridge.
9. Replace the three Phillips head screws,(one on the left, 2 on the right).

Resetting The Drum Counter

The reset fuse for this cartridge is located on the top of the cartridge, to the right of the label.

1. With the small common screwdriver, carefully lift up the small plastic lever, and remove the fuse. The fuse is also held in place by a piece of tape underneath, be careful not to tear the tape.
2. Take the new fuse (Part # 9501), carefully lift up the lever, and replace. Once in place, press down firmly to set the fuse in the tape.
3. Store the cartridge in a foil bag

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 0xe4c DBC 0x97a4004 Jet'.

/script/catSearch.asp, line 58