

## TECHNICAL DOCUMENT

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# Sharp and Xerox Toner Cartridges Model ZT-50TD1

DOC-0170

## OVERVIEW



These instructions cover the recharging of the Sharp ZT-50TD1 toner cartridge used in the Sharp Z-50,70, and 80 series, (Part # ZT-50TD1), Xerox 5008 (Part # 6R343), Xerox 5009 (part # 6R359).

The purpose of this recharge procedure is to remove old and add new developer and toner into the toner cartridge. This is a fairly simple process since the toner cartridge has two fill holes located directly under the clear cover on the side of the cartridge. The small hole is for developer and the larger hole for toner. Caution: If you do not have the original seal, this cartridge can not be shipped after recharge since the toner and developer will spill during shipping. If the cartridge must be shipped, a replacement seal must be purchased.

This procedure should be read in its entirety before proceeding with the actual recycling process.

## REQUIRED TOOLS



1. Phillips head screw driver
2. Vacuum approved for toner removal
3. 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 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 125g (8158)
2. Developer 175g (9158)
3. Sealing Strip (SS-Z70)

4. Toner cloths (TM-40)
5. RTV or Silicon caulk (optional)

## 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. TM-1 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.
5. If the Circulation of air in the work area room is combined with other rooms in the building, toner dust may be carried into the other rooms. A separate and isolated HVAC system is recommended for the work area room

## REMOVE AND ADD NEW TONER/DEVELOPER



1. Remove the clear cover on the end of the cartridge by removing the two Phillips head screws. Empty any toner from this **clear housing** into the garbage bag, and vacuum clean.
2. Remove the large and small size fill plugs under the cover just removed. These plugs can be difficult to remove, take your time and carefully work them out. There are no replacements for these plugs.
3. Vacuum both areas and the magnetic roller clean.
4. Add the new developer into the small hole next to the magnetic roller. Replace the fill plug.

**NOTE:** An easy way to add the toner/developer is to construct a paper funnel from a piece of paper.

1. Add the new toner into the large hole using the same paper funnel. Replace the fill plug.
2. Check for leaks around the fill plugs. If there are any, take a small amount of RTV, or silicon caulk and plug the leak.
3. Replace the clear cover and two screws.
4. Rotate the magnetic roller backwards so that the roller is clean. Snap on the sealing strip so that the foam side is against the roller, and the handle is to the top.

**NOTE1:** Xerox and Sharp cartridges are NOT interchangeable! The Xerox cartridges(both the 6R359, and the 6R343) have two alignment pins on the main body of the cartridge. Each type of Xerox cartridge also has a differently shaped waste chamber. Both of which are different from the Sharp cartridge.

**NOTE2:** If you find that a cartridge is printing too dark, or too light, there is a factory setting that can be changed. Next to the small fill hole is a flat piece of metal that is locked around a keyed shaft. This shaft is from the magnetic roller. By moving the flat piece of metal up or down, you will cause the magnetic roller to move in or out. This will give you either darker or lighter print. (With the magnetic roller out, the print will be darker). This adjustment is not normally necessary, and is usually only needed when a cartridge has been recycled many times.



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