SUMMIT Laser Products
95 Orville Drive
Bohemia, New York 11716
Tel: 631-218-8376
Fax: 631-218-3275

TECHNICAL DOCUMENT

Disassembly Instructions

Mita CC-10/CC-20 Style Toner Cartridges

These instructions cover the disassembly of the Mita CC-10 style toner cartridges. The purpose of this disassembly is to vacuum out toner that will have spilled inside the cartridge during shipping and/or rough handling, to clean the debris cavity and to fill the toner supply housing with new toner, and developer. The disassembly can also be used to examine the internal parts of the cartridge for possible damage should the printing of the cartridge be poor and not correctable by other means.

Required Tools

The tools needed to successfully and safely recharge toner cartridges are as follows:

1) Toner approved vacuum. The Atrix HCTV canister type toner vac, or the Atrix AAA/Omega style toner 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, creating a real mess.

2) A small screw driver (Common Style)

3) A Phillips head screwdriver with removable tips

4) Needle-nose pliers

Supplies Required

1) 8059 Toner

2) 9059 Developer

3) CT-100 cotton swabs

4) TM-1 toner magnet cloths

5) PW-96 lint-free cloths

6) FR-8 film remover

7) CA-10 clean compressed air

8) DPP drum padding powder

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.

Mita CC-10/CC-20 Style Cartridge (Continued)

2) An empty 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 in case of toner spillage. TM-1 Toner Magnet cloths 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) Vacuum the exterior of the toner cartridge.

2)Locate the side of the cartridge that has the orange tab. Remove the 2 Phillips head screws, lift up and remove the plastic end cap.

3) On the same side of the cartridge, remove the 3 Phillips head screws that hold the Toner Recycling Assembly. carefully remove this assembly and thoroughly vacuum clean.

NOTE: For easier cleaning, slide out the white section, being careful to note the way they fit together.

4) On either side of the debris cavity (narrow section),there are 2 Phillips head screws, which hold in plastic pins. Remove the screws and pins. To remove the debris cavity, lift up the right side first, and pull out to the right.

5) Remove the 3 Phillips head screws that hold in the OPC drum bushings,(one on the left and two on the right). Carefully pull out the green bushings.

Remove Photoconductive drum

1) Once the two green bushings are removed carefully lift the drum (by the edges), out of the cartridge. Do not touch the Photoconductive Drum surface if possible and do not wipe it with a dry cloth. Carefully vacuum the drum surface, being very careful not to let the Vacuum hose come in contact with the Photoconductive Drum. Blow off any remaining dust from the Drum using a can of compressed clean air model CA-10.

> **CAUTION:** Be very careful not to tilt or shake the can while spraying, as the propellant may spray out of the can, and possibly ruin the drum.

2) Place the Photoconductive Drum in a soft lint free cloth and then into a dark colored bag or cover from bright light by some other suitable means. Again, do not rub or wipe the Photoconductive Drum with a dry cloth as this may scratch its surface. If there is any matter on the drum that must be cleaned off, use 99% pure Isopropyl alcohol (FR-8 Film Remover) and a soft cotton pad (PW-96) to lightly wipe the drum surface. Vacuum and then blow off the Drum using compressed clean air (CA-10). Always handle the Photoconductive Drum with the utmost caution, since if damaged it can not be replaced.

> **CAUTION:** Be very careful not to tilt or shake the can while spraying, as the propellant may spray out of the can, and possibly ruin the drum.

Remove Toner/Developer Supply Housing

1) The Toner/Developer Assembly is held in to the shell by two plastic tabs. To remove this assembly press in the tabs, and lift the assembly out.

NOTE: The Toner/Developer Assembly is also attached to the shell by an electrical connection (wire). If you wish to remove the screw holding the electrical connector, so that the Toner/Developer assembly can be completely removed, it is recommended that you draw a picture showing the correct position of the connector and routing of the wire. If this connector is not positioned correctly, the cartridge may not fit into the copier, or the cartridge will not work and may cause damage to the copier.

2) Vacuum the shell and clean the corona wire. This wire can be cleaned by using FR-8 Film Remover and a Cotton Swab (CT-100) carefully running it along the wire and wire guide. Then a can of clean compressed air (CA-10) should be used to blow any dust or toner left on the wire. Be certain to blow away from yourself and only after all heavy signs of toner have been removed. Always wear and use Eye and Breathing protective apparatus.

Clean and fill the Toner/Developer Supply Housing

1) Locate the small fill plug on the Toner/Developer Assembly. Remove this plug, dump out any remaining developer and vacuum clean. Locate the silver metal plate and remove two Philips head screws. Flip up the plate (it is held on by two strips of felt). Be careful not to tear or break the felt strips. Vacuum out any remaining developer and replace the plate. Fill with 200g. 9059 Developer, and replace the plug.

2) Remove the large fill plug, pour out any remaining toner, and vacuum clean. Fill with 100g 8059 Toner, and replace the plug.

Re-assemble the cartridge by reversing steps 3.2 - 5.2. Remember to be very careful with the routing of the Toner/Developer Assembly wiring.

To re-felt the wand use our part # Felt-9500.