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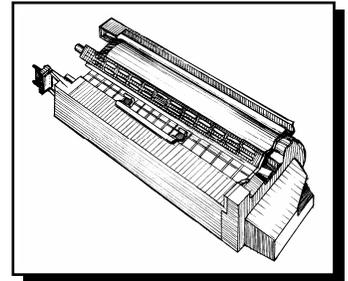
## 5318 style

(5318, 5320, 5322)

&

## 5340 style

(5337, 5340, 5343, 5350, 5352, 5665, 5837, 5845, 5855)



# Copy Cartridge (CRU) Reconditioning Instructions

## INTRODUCTION:

These cartridges are relatively easy to recondition. It is a simple matter of disassembly, a thorough cleaning, inspection of the Drum and Cleaning Blade, and repair of the Connector. The Connector is key to resetting the status code (J7 or J8) calling for a new Copy Cartridge. Spare parts for these cartridges have been slow coming to the market. Fortunately the Drums are capable of running 100,000 copies.

There are two types of cartridges with separate procedures (refer to illustration #1).

'Type A' uses the front end as a waste toner container (most of the 5318/20/22's).

'Type B' uses the drum itself as a waste container (all 5340/43/50/52's and some of the 5318/20/22's). This type pumps the waste toner from the cleaning assembly through the front end cap and back into the drum.

**The differences between a 5318 style & 5340 style cartridge are as follows:**

- The connectors appear similar but the 5340 has a simple fuse device while the 5318 has an EEPROM on board.
- The drums for the two have a considerable difference in photosensitivity (not interchangeable).
- The 5340 style machine has a waste sump full sensor which looks through a little window on top of the cartridge for an actuator on a float which rises into the window as the waste sump fills up (similar to the 1012's)... the 5318 style cartridge lacks that 'window' & float mechanism.
- The 5318 style cartridge is set up to run 25,000 copies while a 5340 style will run 120,000 copies.

## SECTION I: TOOLS AND SUPPLIES

Tools you'll need:

- Flat-Head Screwdriver (small)
- Torx-Head Screwdriver (T10 torx)
- Snap-ring Pliers
- Technician Vacuum Cleaner with a toner rated filter

Supplies you may need:

- Starter Powder (dusting pouch)
- Yellow Dust Cloths
- Swab with Isopropyl Alcohol (or a Corona Cleaning Pen)
- White Polishing Sponge (optional)
- Drum-Coat Polish (optional)

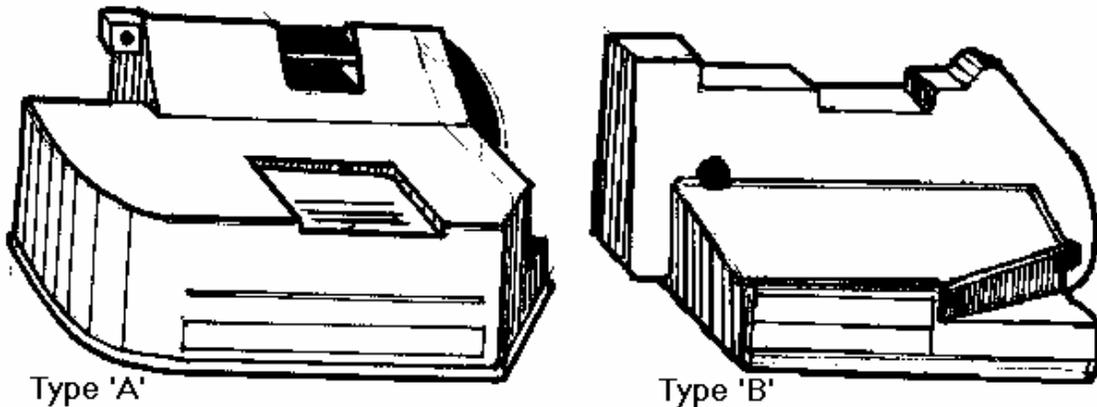
Replacement components which you may need:

- Repaired Connector

## **SECTION II: PROCEDURE**

See illustration #1 to see if you are working on a 'Type A' or a 'Type B' cartridge

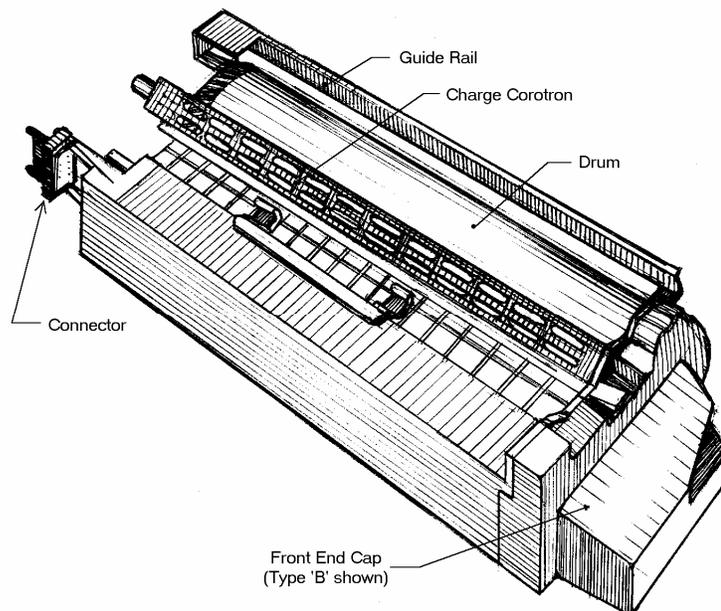
**Illustration #1** (Front End Caps of Type 'A' vs. Type 'B')



### **'Type A'** (Most 5318/20/22 cartridges)

Uses the front end cap for a waste toner container.

- 1. First check the drum for flaws (turns counter-clockwise if you're looking at the rear end).** Look for scuff marks, scratches, or discoloration. Also see if the Cleaning Blade is leaving any streaks on the drum. Fingerprints and some minor scuff may come off when you polish the drum later.
- 2. Remove the guide rail over the drum (2 screws) and the Charge Corotron (1 screw on the rear) (see illustration #2).** The drum is held in place by a collar on either end. Lift out the rear clip by compressing the collar with a pair of Snap-Ring Pliers. Then you can slide the drum's front shaft out of the front collar. Remove the front collar. Put the drum in a safe place away from direct light.



## **SECTION II: PROCEDURE (Continued)**

- 3. Next remove the front Waste Sump container (2 screws, one from the front and one from inside where the drum was). Empty the Waste Sump.**
- 4. Remove the top cover with the handle (2 screws). Clean everything well.** Pay special attention to the toner brush located behind the Cleaning Blade. Clean the corona wire with isopropyl alcohol on a swab or a Corona Cleaning Pen. Take care not to damage the thin mylar Recovery Blade & the Scorotron Grid or its contacts.
- 5. Reassemble the cartridge.** You can ‘snap’ the drum with both collars back into place... (It makes an alarmingly loud snap but doesn’t hurt the drum).
- 6. Remove the connector off of the back of the cartridge (2 screws) and send it in for repair. When you get it back, replace it and you are back in business.**

CONGRATULATIONS! You are done.

NOTE: See the Abbreviated Procedure at the end of this instructional for future reference (a good quick reminder if it’s been a while).

### **‘Type B’** (All 5340/43/50/52 & some 5318/20/22 cartridges)

Pumps the waste toner around into the drum.

- 1. First check the drum for flaws (turns counter-clockwise if you’re looking at the rear end).** Look for scuff marks, scratches, or discoloration. Also see if the Cleaning Blade is leaving any streaks on the drum. Fingerprints and some minor scuff may come off when you polish the drum later.
- 2. Remove the guide rail over the drum (2 screws) and the Charge Corotron (1 screw on the rear) (see illustration #2).**
- 3. Remove the front end cap (2 screws). Remove the front drum plate which has the waste toner tube going through it (2 screws) & the waste toner tube pulls out easily.**
- 4. The brass collar on the front end can now be removed (2 screws) (you may need to work it back and forth a bit ... it can be stubborn sometimes).**
- 5. Remove the rear plate (3 screws). Slide the rear drum collar off the drum’s shaft and remove the drum.**
- 6. Lift the drum out. Empty the reclaim toner which is inside the drum.** Inspect the drum & put it in a safe place away from direct light.

## **SECTION II: PROCEDURE (Continued)**

- 7. Remove the top cover with the handle (2 screws). Clean everything well.** Pay special attention to the toner brush located behind the Cleaning Blade. Clean the corona wire with isopropyl alcohol on a swab or a Corona Cleaning Pen. Take care not to damage the thin mylar Recovery Blade & the Scorotron Grid or its contacts. Inspect the blade for any imperfections. Replace the blade if necessary (if you do, use plenty of starting powder). If there are any minor scuffs or fingerprints on the drum, you may want to polish it with Drum Coat (use sparingly) using a clean white sponge... be sure to remove any excess polish haze after letting the drum dry for a minute or two. Any polish left on the drum will increase the # of copies you need to run to “break in” the drum again (you’ll get light copies for between 20 & 50 copies after a good polishing).
- 8. Reassemble the cartridge.** Return the drum carefully to its cradle, slide the rear collar and the front brass bushing back in place. Once it is all together, turn the drum (counter clockwise when looking at the rear of the cartridge) to see that all is well.
- 9. Remove the connector off of the back of the cartridge (2 screws) and send it in for repair.** If you are working on a 5340 style cartridge, you may choose to repair the connector yourself. The 5340/53/50/52 cartridge has a fuse (1/32 amp) on the connector which must be replaced to enable the reset of the drum count. **Once you get the repaired connector, replace the old one... and the cartridge will run another full cycle. For the 5340 style machine, you need also to reset the Drum count from diagnostics** (it is designated as a ‘HFSI’ item (High Frequency Service Item). A 09-300 code means “Cartridge has reached end of life”, a 09-350 code means “Waste Toner Full”.

FINISHED !

NOTE: See the Abbreviated Procedure at the end of this instructional for future reference (a good quick reminder if it’s been a while).



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## **5318/20/22 & 5340/43/50/52 ABBREVIATED PROCEDURES**

Abbreviated Procedure ('Type A') uses the Front End Cap as a waste toner container.

1. Inspect the drum (turns counter clockwise looking at the rear end).
2. Remove the guide rail over the drum (2 screws) and the charge corotron (1 screw on the rear).
3. The drum is held in place by a collar on either end. Use Snap-Ring Plyers to compress the rear collar so that it will lift up and out. Slide the drum's front shaft out of the front collar. Then remove the front collar.
4. Remove the front end waste toner container (2 screws, 1 from the front, 1 from behind where the drum was).
5. Remove the top cover with the handle (2 screws).
6. Clean everything well. Pay special attention to the toner brush located behind the Cleaning Blade. Clean the corona wire & scorotron grid. Polish the drum if needed.
7. Reassemble the cartridge.
8. Send the Connector for repair.

Abbreviated Procedure ('Type B') uses the Drum as a waste toner container.

1. Inspect the drum (turns counter clockwise looking at the rear end).
2. Remove the guide rail over the drum (2 screws) and the charge corotron (1 screw on the rear).
3. Remove the front end cap (2 screws), the front plate (2 screws), the rear plate (3 screws), the toner tube on the front end.
4. Remove the front brass bushing (1 screw, sometimes not so easy) & the rear plastic bushing. Then lift out the drum.
5. Remove the top cover with the handle (2 screws).
6. Clean everything good. Pay special attention to the toner brush located behind the Cleaning Blade. Clean the corona wire & scorotron grid. Polish the drum if needed.
7. Reassemble the cartridge.
8. Send the Connector for repair. (5340 machines also need the drum count to be reset from diagnostics as an HFSI).