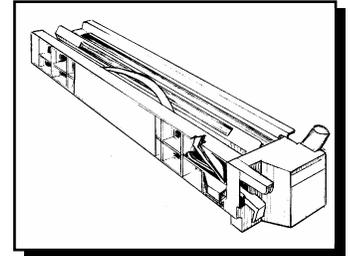




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5312 style
(5312, 5313, 5314)



Copy Cartridge (CRU) Reconditioning Instructions

INTRODUCTION:

These copy cartridges are wonderful to work on. They are virtually trouble free. The drums are extremely durable & will last for many cycles if handled with care. The 5312 & 5314 machines use the same cartridge... the 5313 cartridge is identical except that the connector on the back of the cartridge has a different ID on it. Here in the U.S., the copiers are set up to run 18,000 copies (with a 2,000 copy warning light) before calling a J7... if you turn the machine off & back on, the J7 turns into a J8 (which can also mean "Improper cartridge").

There have been 2 basic versions of this cartridge made. The older version we call 'Type A' ... the more recent ones (& fortunately the more common & easier type) we call 'Type B'. The easiest way to recognize the difference is that the 'Type B' cartridge has a metal plate on the rear which holds the gears in place... The 'Type A' cartridge doesn't.

SECTION I: TOOLS AND SUPPLIES

Tools you'll need:

- Flat-Head Screwdriver (small)
- Torx-Head Screwdriver (T10 torx) or in some cases a phillips #2
- 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)

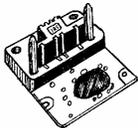
Replacement components which you may need:

- Repaired Connector
- Drum Cleaning Blade

SECTION II: PROCEDURE

‘Type A’ (no plate holding gears in place on rear of cartridge)

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** (2 Torx T-10 Screws).
3. **Remove the Drum by pulling up on the rear drum shaft to pop it out of its rear bushing. Then pull the drum out of its front bushing.** Polish the drum if needed and put it aside in a safe place. These drums are not very sensitive to office lighting but sunlight will destroy them.
4. **Remove the Cleaning Blade** (2 Torx T-10 screws hiding under the felt seals). Replace if needed.
5. **Clean the cartridge...**
 - A.) **Remove the front end cap** by unclipping the Clear Plastic Actuator from the pin on the Auger Tube, removing 1 screw & unseating a couple of plastic anchors.
 - B.) **Vacuum off the Cleaning Assembly & Auger Tube.** Be careful not to damage the thin mylar recovery blade on the cleaning assembly. You can clean the Auger Tube pretty well by just sliding the shutter up to expose the hole the toner exits through.
 - C.) **Clean the Charge Corona Wire & the Charge Scorotron Grid.** Check the grid for any damage. Vacuum the ozone filter.
6. **Reassemble the cartridge.**
7. **Replace the connector** (1 or 2 Torx T-10 screws) and send the used connector in for core credit.

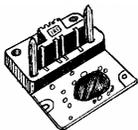


Done!

SECTION II: PROCEDURE (Continued)

‘Type B’ (plate on rear of cartridge holding gears in place)

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** (2 Torx T-10 Screws).
3. **Take off the metal plate** which holds the gears in place on the rear of the cartridge (1 screw, 1 E-Clip).
4. **Remove the drum as follows...** A spacer ring & the Drum Gear slide right off as does one of the two other gears. Extract the indexing pin from the Drum Shaft to allow the plastic bushing to slide off the shaft. Then the rear end of the drum will lift out easily... pull the front end out of the front bushing (easy does it). Polish the drum if needed & put it away in a safe place.
5. **Remove the Cleaning Blade** (2 screws hiding under the felt seals). Replace if needed.
6. **Clean the cartridge...**
 - A.) **The front end cover comes off with one screw** (watch not to lose the metal pin which sits loosely in the front end cover). Take notice of how the white cam lever is positioned against the auger tube (you may end up having to re-position it by the time you’re done cleaning things)
 - B.) **Vacuum the cleaning assembly** (be gentle with the thin mylar recovery blade). Slide back the shutter on the front Auger Tube to vacuum it out as well.
 - C.) **Clean the Charge Corona Wire & the Charge Scorotron Grid.** Check the grid for any damage. Vacuum the ozone filter too.
7. **Reassemble** the cartridge.
8. **Replace the Connector** (1 or 2 Torx T-10 screws) and send the used Connector in for core credit.



Finished!