

## TECHNICAL DOCUMENT

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### Sharp JX-9600 OPC Cartridges

DOC-0238

#### OVERVIEW



This kit covers the OPC cartridges for both FAX and laser that use the Sharp JX-9000 engine.

**NOTE:** Although the supplies to rebuild these cartridges are the same. They are **NOT** interchangeable

#### TOOLS REQUIRED



- Phillips head screwdriver #2
- Small common screwdrivers (2)
- Vacuum approved for toner removal
- 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 AAA Portable style toner Vac, or the Atrix HCTV Canister style toner Vac are recommended.

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



- DRUM-9600

- Wiper Blade
- Reset Fuse
- Kynar Padding Powder (DPP-K)
- 99% pure Isopropyl Alcohol (FR-8)
- Cotton Swabs (CT-100)

## DISASSEMBLY



1. Position the cartridge with the front side facing toward you, and the side with the corona assembly **(D)** facing upward. Remove single screws from both the left drum retainer **(A)** and right drum retainer **(B)**.
2. Using a small flat tip screwdriver, gently pry each drum retainer slightly away from the cartridge frame, and rotate each of them toward you slightly to disengage their locking tabs from the "notches" on the cartridge frame. Rotate the drum retainers an additional 90 degrees toward you to unlock and remove them, releasing the used OPC drum **(C)**. Remove and discard the used OPC drum.
3. Remove the corona assembly **(D)** by removing the three screws securing it to the cartridge frame (small strips of adhesive paper may be covering these screws and must be removed). Clean the corona assembly; We recommend using a cotton swab impregnated with alcohol to remove toner and other contaminants. **CAUTION:** To avoid injury, handle the "saw tooth" charging corona with care.
4. Remove the used drum cleaning blade **(E)** by removing the three screws securing it to the cartridge frame. Discard the used drum cleaning blade.
5. Reposition the cartridge so that the rear side is facing toward you. Remove the four screws securing the four waste toner cavity snap-fit tabs **(F)**.
6. On the side with the right drum retainer **(B)**, insert one small flat tip screwdriver in the seam between the two halves of the cartridge frame (see **Figure 1b**). Using a second small flat tip screwdriver, gently pry all four waste toner cavity snap-fit tabs **(F)** away from the cartridge frame to prevent them from returning to their original "locked" positions.
7. Using the second flat tip screwdriver, push the side snap-fit tab **(G)** away from the side with the four waste toner cavity snap-fit tabs **(F)**, and simultaneously separate the top and bottom halves of the cartridge frame (this step may require moderate force). This will release the screwdriver previously positioned in the seam. Position both halves of the frame with their inner cavities facing upward.

**NOTE:** Before proceeding, observe the positioning of the cleaner assembly drive gears **[(K) in Figure 1a]** on the cartridge frame; they are not securely attached and may fall off. If this occurs, reposition them as shown in **Figure 1a**.

8. Vacuum all waste toner from both halves of the cartridge frame, being careful not to damage the recovery blade **(H)**, and remove and discard the four used waste toner cavity seals **(J)**. Use a clean cloth to remove any remaining toner from both halves of the cartridge frame.
9. Remove the used reset fuse assembly **(L in Figure 1a)** from the fuse cavity by removing two screws. Discard the used reset fuse assembly.

## REASSEMBLY



1. Install the new reset fuse assembly provided in the Rebuild Kit, securing it with the two screws removed in step 9, or if not available, solder in a new fuse.
2. Make sure the cleaner assembly drive gears **(K in Figure 1a)** are properly positioned on the cartridge frame. Push the two halves of the cartridge frame together, aligning the four waste toner cavity snap-fit tabs **(F)** with their corresponding notches on the other half of the cartridge frame, and secure them with the four screws removed in step 5. Make sure the four drum cavity snap-fit tabs on the side with the OPC drum **(M in Figure 1c)** also snap firmly into place, but **DO NOT TOUCH THE RECOVERY BLADE (H)** while doing so.

**NOTE:** If the drum cavity snap-fit tabs are not snapped securely back into place, waste toner leakage may result, causing serious machine performance problems.

3. Reposition the cartridge so that the front side is facing toward you. Install the new drum cleaning blade provided in the Rebuild Kit, securing it with the three screws removed in step 4. Handle the blade only by its holder; **DO NOT TOUCH THE CONTACT SURFACE**. Apply a generous dusting of fresh Kynar powder to the new drum cleaning blade and adjacent recovery blade **(H)**.
4. Reinstall the corona assembly **(D)**, securing it with the three screws removed in step 3.

5. Remove the new OPC drum provided in the Katun Rebuild Kit from its protective wrapping. Dust the entire surface of the new OPC drum with Kynar powder, and install it into the cartridge.
6. Reinstall the left and right drum retainers (**A and B**). Gently pry each drum retainer slightly outward, and turn them approximately 90 degrees away from the front side (**with the OPC drum**) to snap their locking tabs back into place. Secure the drum retainers with the screws removed in step 1.
7. **IMPORTANT:** Manually rotate the OPC drum at least one complete revolution to properly distribute Kynar powder and minimize the possibility of damaging "blade flip."

## PRINTER RESET PROCEDURES



With the exception of starter cartridges, These cartridges have a small board located on the end of the cartridge. The small surface mount micro fuse (125mA) must be replaced each cycle. These fuses are very small and difficult to solder. This should only be attempted if you are experienced in electronic soldering. If you have a starter cartridge the machine must be reset through the menu. (Starter cartridges do not have a fuse board.) Almost all of the machines have a different, complicated reset procedure.

### Sharp JX-9600

Turn the printer off. With the **MENU** and **ENTER** keys depressed, turn the power on. The display will read **PCU DIAG MODE G**.

Press the **MENU** key repeatedly until you see **COUNTER SET**.

Press the **ENTER** key once, and the **MENU** key twice. The display will read **DRM 05000**.

Press and hold the **DOWN ARROW** key until the number resets to **00000**.

Press the **MENU** key four times, the Display will read: **DTRM XXXXX**.

Press and hold the **DOWN ARROW** key until the left three digits reset to zero (**DTRM 000XX**)

Press the **ENTER** key, the display should read **COUNTER SET**.

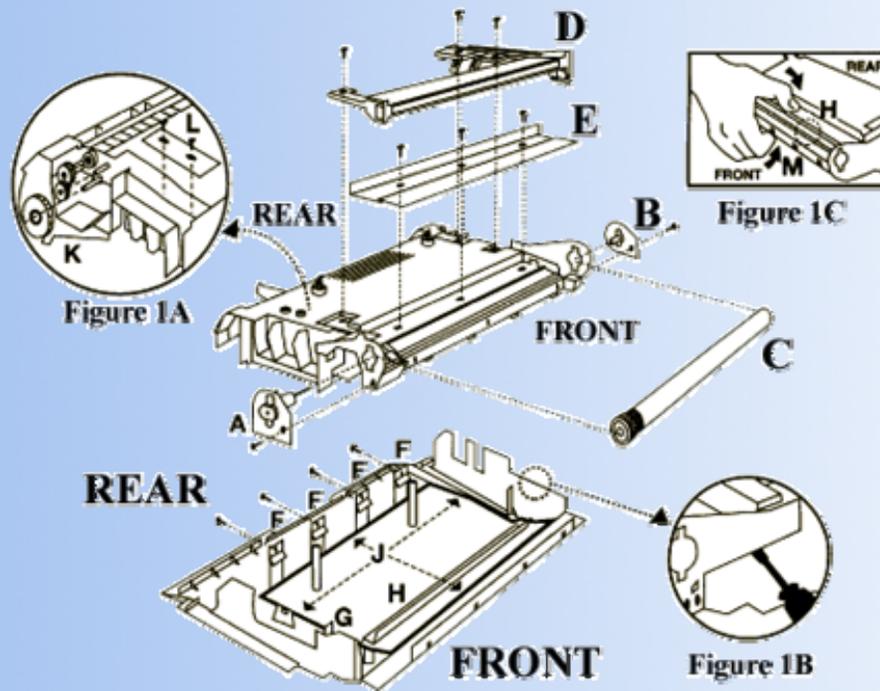
Place a piece of paper into the manual feed slot on the front of the printer, and press the **FORM FEED** key. You will hear a beep.

Turn the printer off, and back on. The drum counters are reset!

### Pro Series MicroLaser Pro 600/ProE/PowerPro/Pro-8/Pro-12

1. Turn power off to the printer, then turn power back on while holding the up and select keys pressed. **<PCU DIAG MODE C>** will be displayed.
2. Press select until **<NV RAM INITIAL>** is displayed. Place a sheet of paper in manual feed slot and press form feed. Printer should beep.
3. Press the select key until **<TEST PRINT>** is displayed.
4. Press the up key once.
5. Press the previous key until **<JAM OFF>** is displayed.
6. Press the select key once.
7. Press the previous key until **<HEA TER OFF>** is displayed.
8. Press the select key once.
9. Press the previous key until **<MULTI OFF>** is displayed.
10. Press the select key once.
11. Press the previous key until **<TONER OFF>** is displayed.
12. Press the up key once. **<TEST PRINT>** will be displayed.
13. Press the **FORM FEED** key. This will give the levels for the printer, heater, and toner. Write down or remember the toner level reading. (Note that these readings will be displayed in LCD display window, not on the test print. The display will automatically go back to displaying **<TEST PRINT>**)
14. Press the select key twice to display **<COUNTER SET>**
15. Press the up key twice to display **<DEV XXXXX>**.
16. Press the select key until **<TNL XXX>** is displayed. Press the next arrow key to enter the same number that was displayed in step 12.

17. Press the up key. <COUNTER SET> will be displayed.
18. Insert a sheet of paper into the manual feed slot. Press the **FORM FEED** key. The printer will beep.



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## RECOMMENDED SUPPLIES



### Pentax PL-0240

OTC OEM# LM10000C100

3 Cartridge System

Engine used in OTC Lasermatrix Model 2, 3 Pentax PL-0241.

#### Toner

240TK	Toner Kit 2 240g/Waste Btl/2-FW <i>**Direct Replacement Kit**</i>	0
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#### Drums

D240GM	Pentax 240 Drum w/gears	0
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Reset Quantities

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