

EPSON® ACULASER C2600

TONER CARTRIDGE REMANUFACTURING INSTRUCTIONS



EPSON ACULASER C2600 TONER CARTRIDGE

REMANUFACTURING THE EPSON ACULASER C2600 TONER CARTRIDGE

By Javier Gonzalez and the Technical Staff at UniNet

PRINTER TECHNICAL DATA:

Part numbers:
 AcuLaser C2600N - C11C585001BZ
 AcuLaser C2600DN - C11C585001BT
 AcuLaser C2600DTN - C11C585001BY

KEY FEATURES:

Printing technology: Laser
Resolution: Epson AcuLaser color 2400 RIT
Print speed: Up to 30 ppm in black and white, 7.5 pages per minute in color A4
First page out: 9.3sec in black and white, 15.3sec in color
Processor: 350MHz
Memory (standard/maximum): 64MB with Epson MiTech/up to 512MB max
Maximum monthly volume: 120,000 pages in black and white mode; 48,000 pages in color mode

PAPER HANDLING:

Standard paper input: 650 sheets (150 multi-purpose tray + 500 sheet paper cassette)
Paper weight: 64 - 163 gsm
Optional paper handling: Up to one extra 500 sheet paper cassette
Maximum paper input: 1150 sheets (150 multi-purpose tray + 2 x 500 sheet paper cassette)
Standard/maximum paper out: 250 sheets/250 sheets

CONSUMABLES LIFE:

Toner cartridges black: 5,000 pages
Toner cartridges color: 5,000/2,000 pages under conditions of continuous printing at 5% coverage. Intermittent use may reduce page yield.
Toner save mode: Yes
Photo conductor: 40,000 pages in black and white, 10,000 pages in color

ENVIRONMENTAL CONDITIONS:

Temperature operation: 10 to 35 °C/storage: 0 to 35 °C
Humidity operation: 15 to 85% RH/storage: 10 to 85% RH (no condensation allowed)

DIMENSIONS & WEIGHT (w x d x h, mm, kg):

Epson AcuLaser 2600N/C2600N: 431 x 518 x 425 mm, 37 kg*
Epson AcuLaser 2600N/C2600DTN: 447 x 518 x 538 mm, 43 kg*

*Weight including consumables

REQUIRED TOOLS

1. Flat needle head pliers
2. Torx screwdriver
3. Hook tool (angled and straight)
4. Phillips screwdriver
5. Flat head screwdriver (small and standard size)
6. X-Acto knife
7. Tester
8. Magnetic toner cloths
9. Cotton tip swap
10. Air compressor

REQUIRED SUPPLIES

- Black toner (155g) for use in Epson Aculaser C2600
- Magenta toner (155g) for use in Epson Aculaser C2600
- Cyan toner (155g) for use in Epson Aculaser C2600
- Yellow toner (155g) for use in Epson Aculaser C2600
- Smartchips (black, cyan, magenta, yellow) for use in Epson Aculaser C2600
- 99% isopropyl alcohol
- Distilled water
- Drum lubricant (yellow toner)
- Conductive grease
- Friction grease



1. Front view of cartridge.



2. Gear side.



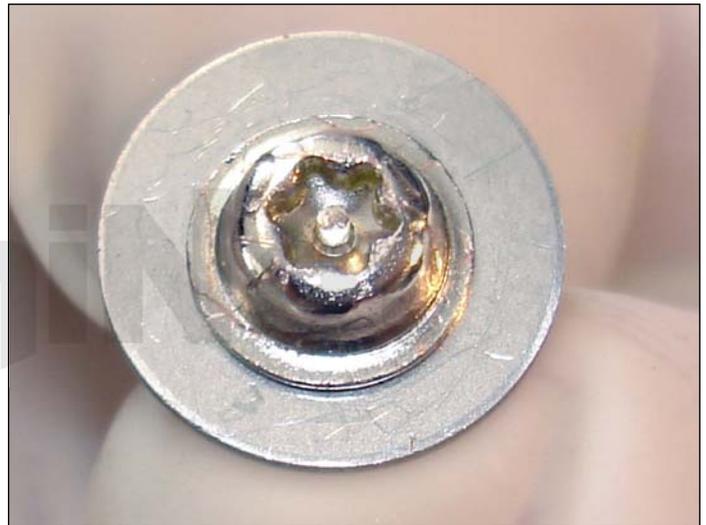
3. Color cover side (gearless).



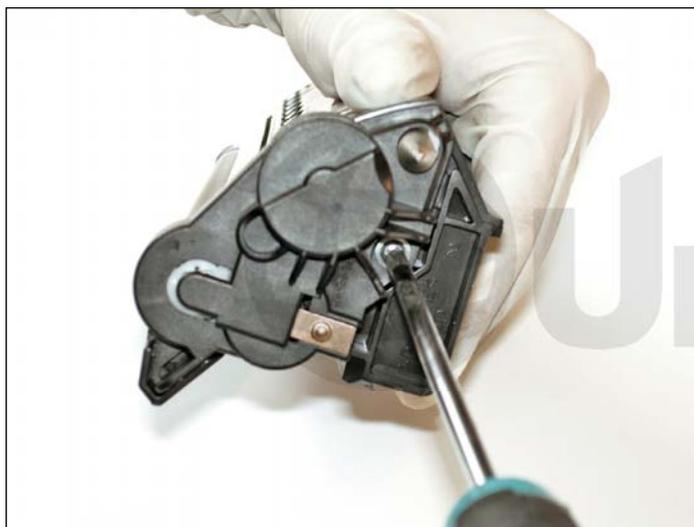
4. Remove the two torx security screws from the color cover side (gearless) using a security torx screwdriver.



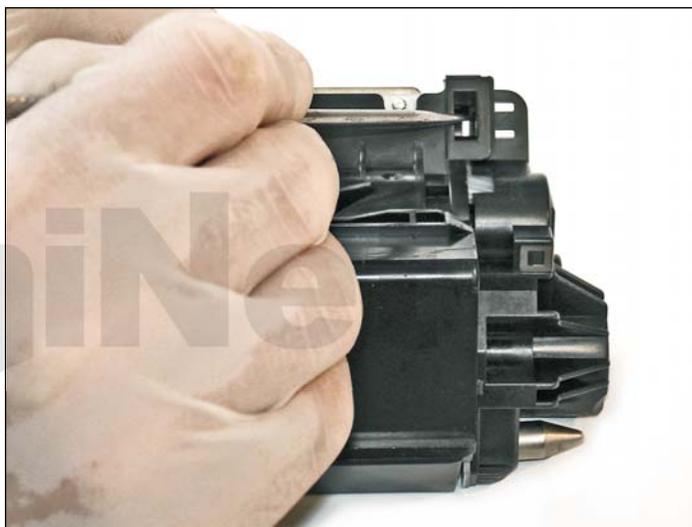
5. Remove the color cover.



6. Security torx screw detail.



7. Remove the screw from the gear side end cap using a Phillips screwdriver.



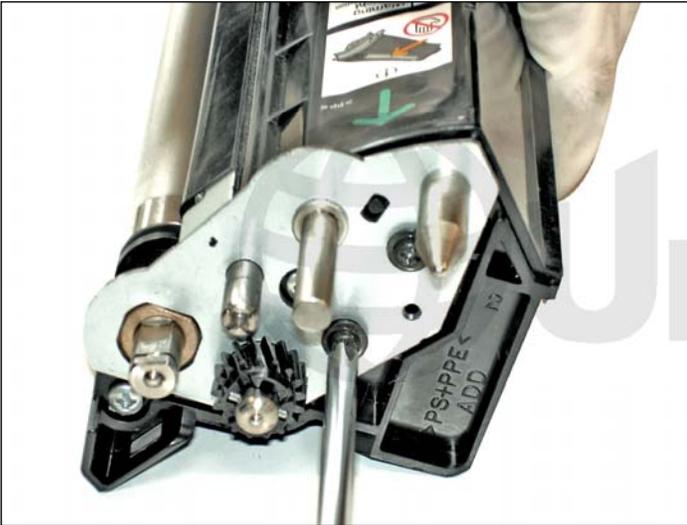
8. Using a straight hook tool, carefully press the black tab shown to release the end cap.



9. Remove the end cap.



10. Remove the two loose gears shown. Carefully remove the white plastic U-clip from the upper developer roller guide gear as shown.



11. Remove the screws from the metal gear plate.



12. Carefully slide out the shaft using a flathead screwdriver between the black gear and the metal gear plate.



13. Push the gear until you could release the pin from inside.

We recommend using a flat needle head tweezers.



14. Remove the metal gear end plate.



15. Remove the two Phillips screws which ensure the correct position of the developer roller frame. Note the thread is different.



16. Remove the toner fill cap from the gearless hopper side and clean out any remaining toner.



17. Remove the two black Phillips screws from the metal developer roller end plate shown.



18. Remove the metal developer roller end plate as shown.



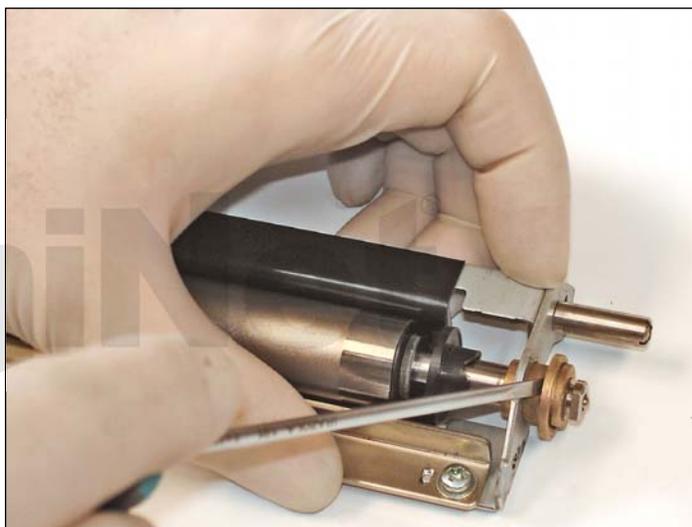
19. Carefully remove the entire developer roller assembly as shown.



20. Remove the black adder roller bearings from both ends of the cartridge.



21. Use compressed air to clean the toner chamber and cartridge. Make sure the foam seal around the slot is clean and not damaged. Be careful to not damage the sealing foam.



22. Remove the fixing bearings from the developer roller assembly.



23. Lift the developer roller out, starting from the left side.



24. Note the order of developer roller washers and bushings for reassembly.



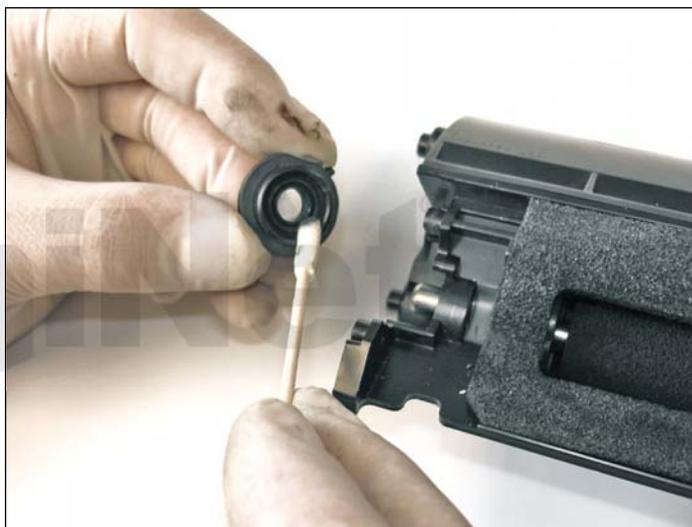
25. Clean the doctor blade with a cotton tip swap and distillate water.



26. Comb through foams on both ends using a flathead screwdriver to prevent leaking. Make sure the foams and black mylars are in good condition, otherwise it can cause massive leaking. In case of toner adherence in the toner mylar surface, gently apply a cotton tip swap to eliminate all residual toner.



27. Clean the develop roller using a magnetic toner cloth and magnetic roller cleaning solution.



28. Clean the black adder roller bearings with a cotton tip swap and isopropyl alcohol.



29. Clean the gears using a flathead brush and isopropyl alcohol to avoid getting a blocked cartridge.



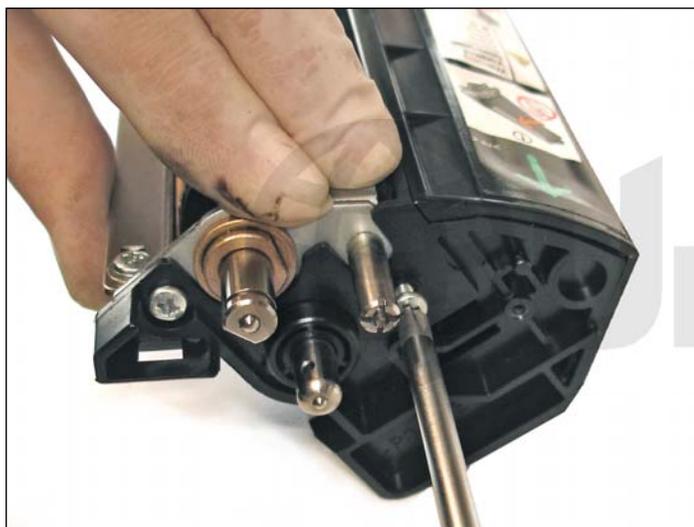
30. Assemble the developer roller and components following the disassembly steps in reverse order.



31. Install the entire developer roller assembly onto the cartridge. It should fit the previous position on the sealing foam.



32. Place the black developer roller end cap on the right side as shown and install the two screws.

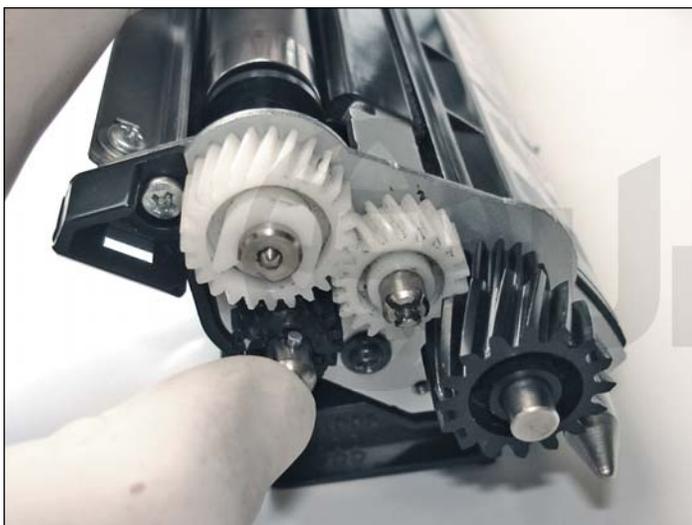


33. Install the screws on the opposite end cap.

Hold the developer roller assembly in place while doing this.

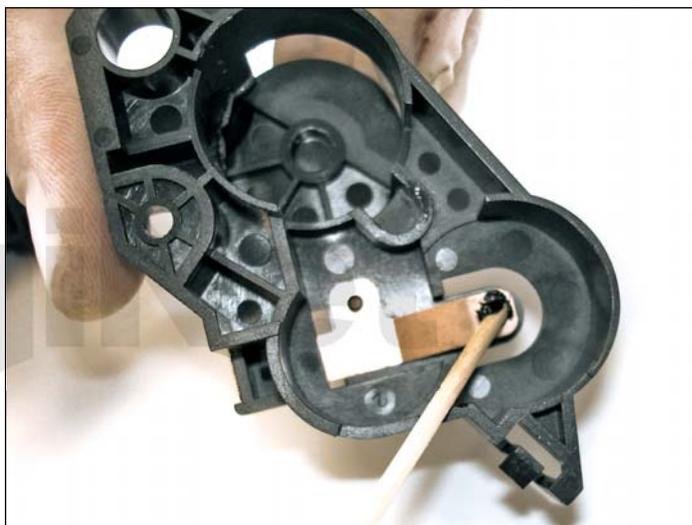


34. Place the metal gear support end plate in its proper fitting position with the previous the bearing installed.



35. Install the gears, white U-clip, and pin through the shaft.

Push the shaft in until it stops.



36. Remove residual toner from the internal electrical contact of the gear side end cap, using a cotton tip swab and isopropyl alcohol. Apply conductive grease to lubricate. Install with the screw and tab.



37. Fill the hopper on the gearless side with the appropriate amount of toner and install the fill cap.



38. Install the plastic color cover (gearless side).



39. Remove the OEM label where the chip is placed as shown.



40. Cut the label using a X-acto knife.



41. Install the new chip.