EPSON® ACULASER C2600
DRUM UNIT REMANUFACTURING INSTRUCTIONS

EPSON ACULASER C2600 DRUM UNIT

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REMANUFACTURING THE EPSON ACULASER C2600 DRUM UNIT

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

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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. Release the drum unit by turning the blue drum unit blocker lever one quarter counter clockwise.

2. We recommended using the gray grid cleaner bar periodically to keep the corona clean and in excellent condition.

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3. Check and clean, if necessary, the ozone filter with compressed air. Keep it horizontal and don't shake it before cleaning.

4. Drum unit front view.

5. Drum unit handle side view.

6. Waste toner sensor window in the drum unit gear side.

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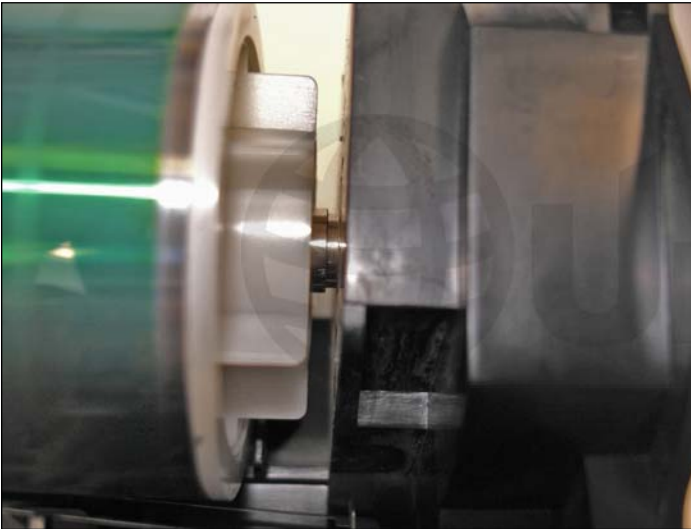7. Remove the two Phillips screws from the handle end cap.

8. Using a small flathead screwdriver, press in on the upper black end locking tab to release the end cap.
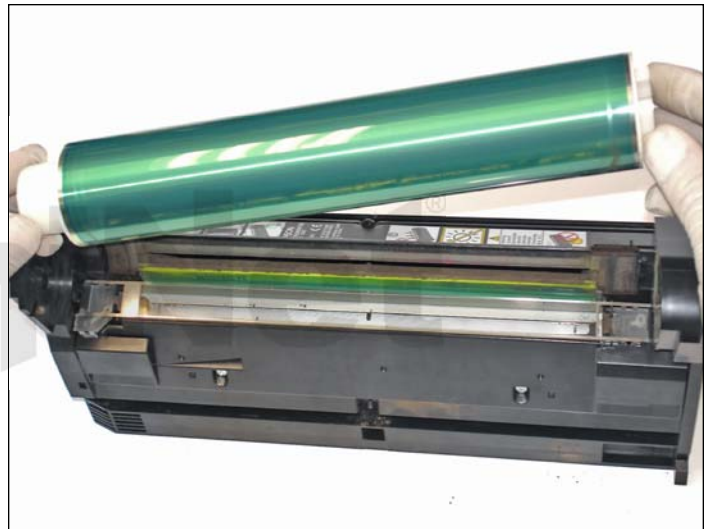

9. End cap and removed.

10. Remove the plastic white clip from the drum shaft.

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11. Drum shaft shown with white clip removed.

12. On the opposite end, remove the plastic black drum gear cover shown.

13. Carefully slide out the drum axle.

14. Remove the drum. Cover with a black cloth to avoid direct sunlight in case of recycling.

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15. Using a hook tool, unlock the gear end plate tab on the opposite end of the drum unit.

16. Remove the whole black lateral end cover lifting it as shown. Otherwise, the tabs can be damaged.

17. Unscrew both Phillips screws from the white plastic corona support on each side of the cartridge.

18. Remove the white plastic corona supports on both sides.

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19. Remove the two screws on the bottom black cover of the cartridge.

20. Release the black long end cap cover carefully.

21. Remove the "corona" placed next to the wiper blade.

22. Notice the detail of lifting it from the left side.

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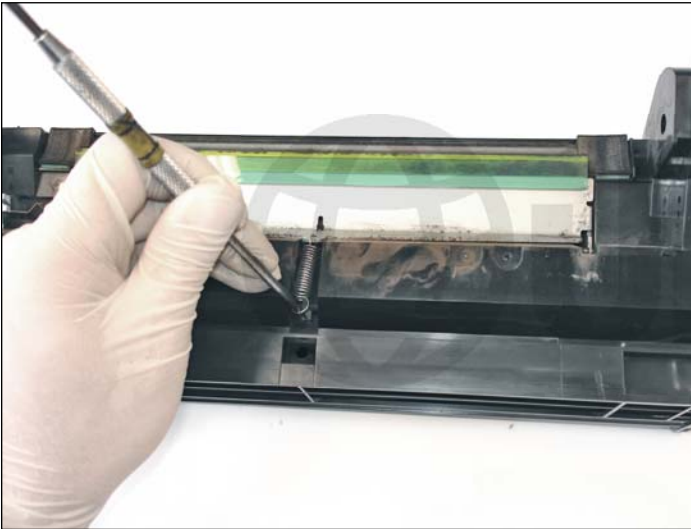
23. Release the tension spring from the wiper blade holder using a hook tool until it gets free from the lower black tab.

24. Remove the lateral wiper blade blocking pin from one end of the cartridge using needle flathead pliers.
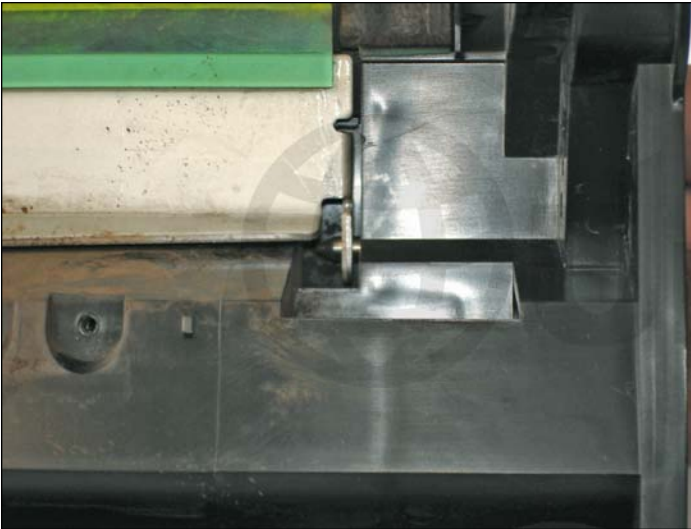
25. Wiper blade blocking pin detail.

26. Remove the other pin from the opposite end.

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27. Release the second wiper blade blocking pin with the same procedure.

28. Remove the wiper blade.

29. Blow the hopper with compressed air to clean out any remaining waste toner.

30. Remove the six larger top chamber cover screws.

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31. Remove the chamber cover.

32. Clean the waste hopper with compressed air.

33. General view once cleaned. Clean as best as possible the plastic yield sensor window placed in the waste toner section to avoid a "full waste toner" message on printer's display.
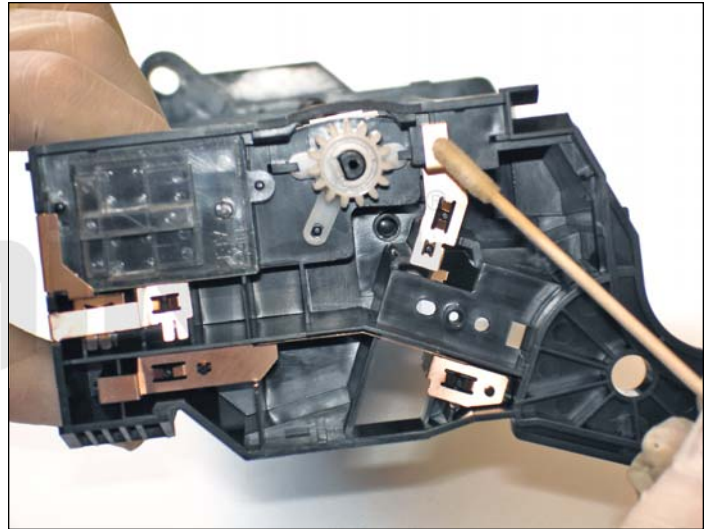
34. Clean the electrical contacts by means of a cotton tip swab with isopropyl alcohol.

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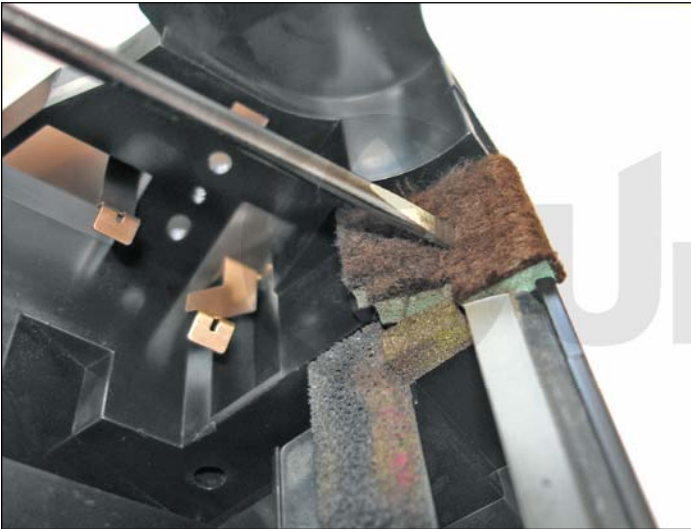
35. Comb any residual toner off both wiper blade felts using a flathead screwdriver.
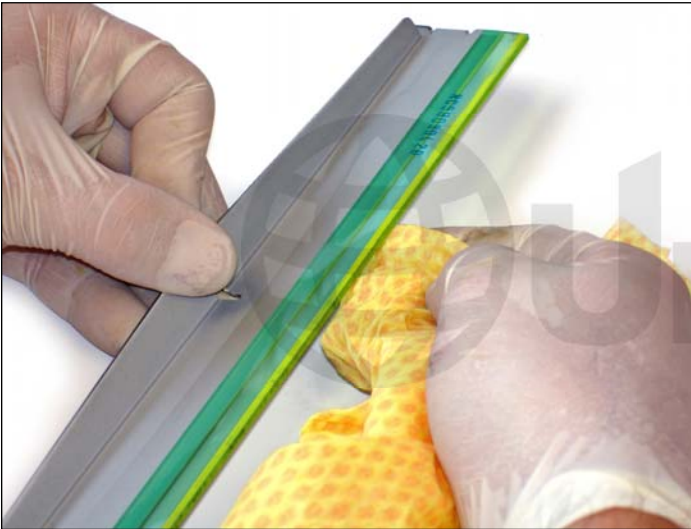

36. Clean the recovery blade with a cotton tip swab or magnetic toner cloth with alcohol isopropyl mixed with distillate water. Be careful not to damage or bend the blade since it would cause spotting.
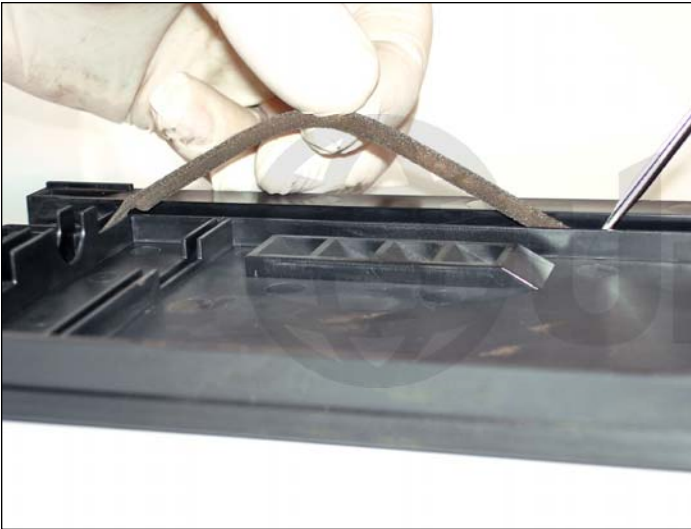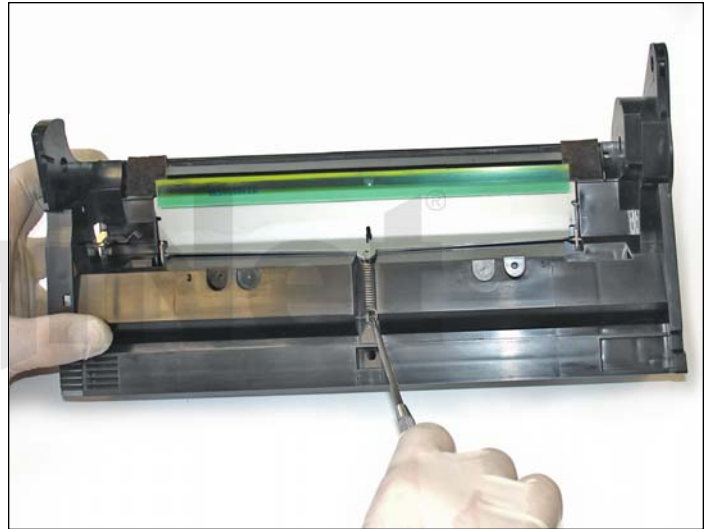

37. Insert the foam strip along the inner borders of the top plastic black hopper cover using a small flathead screwdriver.
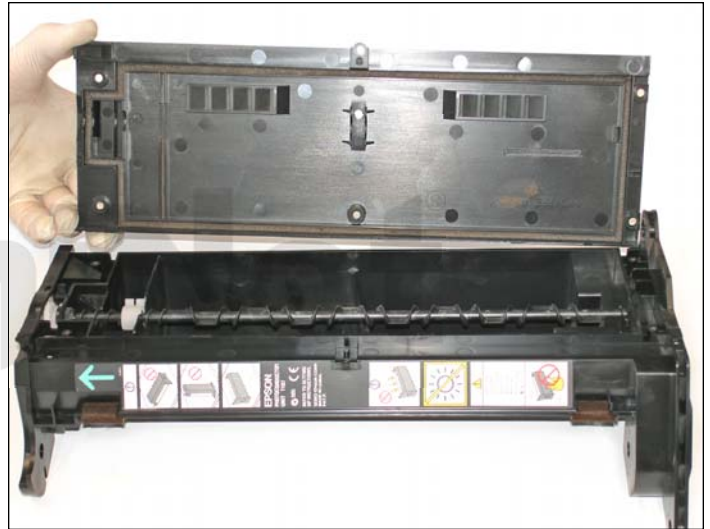
38. Install the top cover.

39. Clean the wiper blade with compressed air, and then using a magnetic toner cloth with distillate water in case of recycling it. Lubricate the recycled wiper blade, as well as the new one, with yellow toner.


40. Install the wiper blade, both locking pins, and tension spring using an angled hook tool.

41. Before installing the corona, clean it with compressed air.

42. Install the white plastic corona supports, followed by the two screws on each side. Notice the screws are different sizes. The shorter screw should be on the other side of the cartridge shown.

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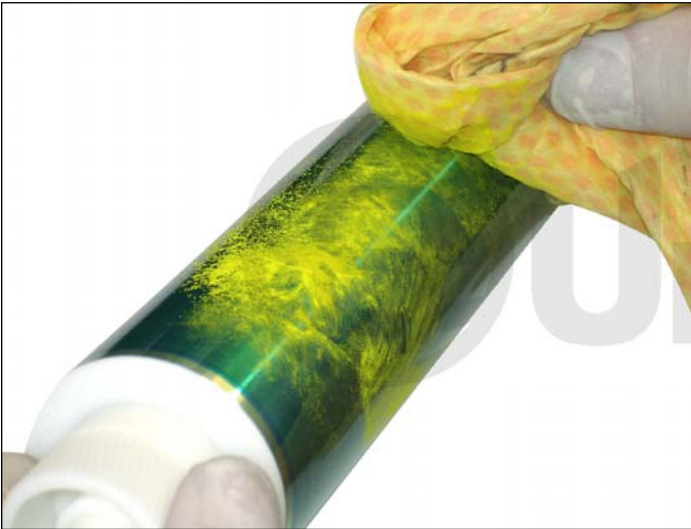
43. Lubricate the new or recycled OPC with yellow toner.

44. Install the new or recycled lubricated drum, the white U-shaped clip, the axle with new conductive grease lubricating the dedicated contacts, and the plastic black drum gear cover. Be mindful of the inside drum contact. Check it with a hook tool.
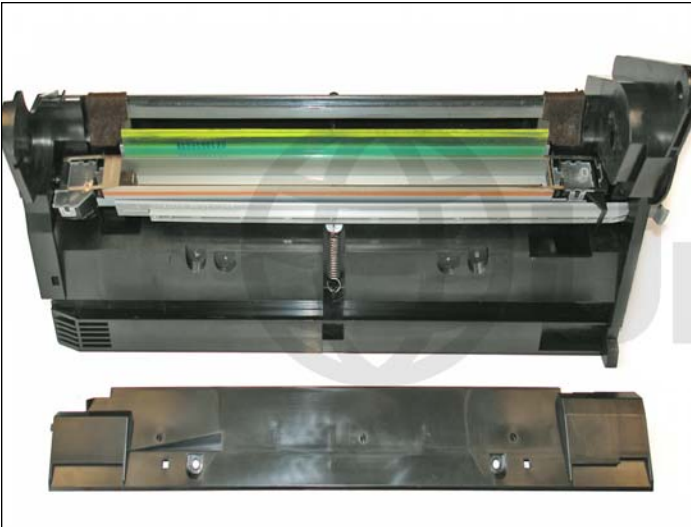
45. Cartridge view with its bottom cover uninstalled.
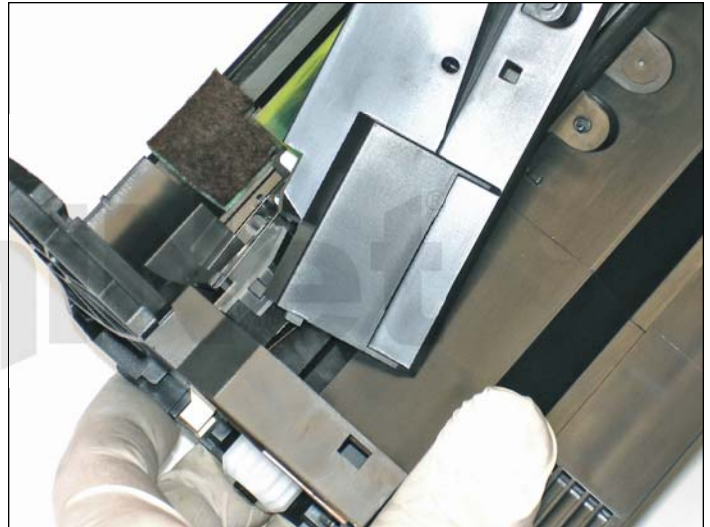
46. Install the bottom cover from left to right.

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47. Install the gear side end plate from left to right to preserve the tabs.

48. Repeat the same procedure with the handle cover on the opposite side of the cartridge.

49. Wipe down the cartridge. If you installed a recycled drum, brush the gears with a flathead brush to eliminate all residual toner.

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