EPSON

Product Support Bulletin ———————————

Subject: New ActionLaser 1000/1500 Imaging Cartridge Replacement Procedure

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This bulletin provides supplemental information to resolve a situation when printed images become faint, SelecType Level 2 TONER message indicating that the toner amount is low (E*   F), and three messages flash in rotation on the LCD:

> **NEW CARTRIDGE?**
> **YES, PRESS RESET**
> **NO, PRESS CONTINUE.**

After the instructions to replace the imaging cartridge (as shown on pages 3-29 through 3-32 of the ActionLaser 1000/1500 Reference Guide) has been followed, some printers may continue to display the above messages. **This condition does not affect printer operation or print quality in any way.** It can be corrected by resetting the printer as described below:

NOTE: *Resetting clears all the saved SelecType information but the status sheet printed in step 3 shows the current settings.*

1. Press the LEVEL 1 button to enter SelecType Level 1.

2. Press CONTINUE (▼) button until **STATUS SHEET** appears on the display.

3. Press INITIALIZE / RESET (►) button twice to print a status sheet.

4. Save the status sheet for future reference, then turn off the printer.

5. Press and hold down the ON LINE, CONTINUE (▼), and FEED (►) buttons while you turn on the printer and keep pressing the buttons until the following message appears:

> **STARTUP ERROR LT<>A4**

When the above message appears, release the buttons.

6. Press the CONTINUE (▼) button. While holding down the CONTINUE (▼) button, press the INITIALIZE / RESET(◄) button until the **READY** message appears.

7. Repeat Steps 1 through 3 to print a new status sheet. The Toner Remaining message printed on the status sheet should now be E * * * * *F. If it is not, repeat steps 4 through 7.

Product Support Bulletin ────────────────

Subject: ActionLaser 1000/1500 Commonly Asked Questions and Answers

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This bulletin answers some commonly asked questions about the ActionLaser 1000/1500 printers.

1.   **Q.**   ***What are the differences between the ActionLaser 1000 and the ActionLaser 1500?***

     A.   Both printers share the same printer engine. The ActionLaser 1000 comes standard with Hewlett-Packard LaserJet Series IIP/FX/LQ emulation, 14 bit-mapped fonts, a parallel port and 512Kb or 2Mb of memory. The ActionLaser 1500 comes with Hewlett-Packard LaserJet Series Ill/Illsi/GL/FX/LQ emulation, RITech image improvement technology, 14 bit-mapped /13 scalable fonts, a serial and a parallel port, and 1 Mb of memory.

2.   **Q.**   ***Are these new ActionLaser printers additions to or replacements to the Epson printer line?***

     A. Both. The ActionLaser 1000 replaces the ActionLaser II. The ActionLaser 1500 is an addition to the Epson printer line.

3.   **Q.**   ***What ate the major advantages of the ActionLaser 1000 over the ActionLaser II?***

     A.   The ActionLaser 1000 is a completely new laser printer, utilizing a new and improved engine design. The major advantages of the ActionLaser 1000 include:

         Faster processor (16.67 MHz vs. 14 MHz)
         Universal paper tray that accepts different paper sizes: letter, legal and envelopes (ActionLaser II accepts letter size paper only)
         Higher capacity paper tray (150 sheets vs. 100 sheets)

3. *Q.* ***What are the major advantages of the ActionLaser 1000 over the ActionLaser II?*** con't

A . Single element imaging cartridge with 6000 page toner life (two piece imaging cartridge and 5000 page toner life on ActionLaser II)
Memory is upgradable to 6.5Mb on the main board (the ActionLaser II requires an optional memory board and is upgradable to 5.5Mb)
Optional 250-sheet paper tray (optional 150-sheet paper tray on the ActionLaser II)
Optional AppleTalk option (not available on the ActionLaser II)

4. *Q.* ***Can an additional interface be added to the ActionLaser 1000 and the ActionLaser 1500?***

A. Yes. The ActionLaser 1000 and ActionLaser 1500 printers accept one of the following user installed interfaces: buffered serial, buffered parallel, AppleTalk, twinax and coax interfaces.

5. *Q.* ***Do the ActionLaser 1000 and ActionLaser 1500 use the same toner cartridge as the ActionLaser II?***

A. No. The ActionLaser 1000 and 1500 use a new all-in-one imaging cartridge. The imaging cartridge comes packed in the box with the printer.

6. *Q.* ***Do the ActionLaser 1000 and ActionLaser 1500 use the same imaging cartridge as the EPL-7000/7500 and the EPL-8000?***

A. No. Due to the small footprint and new engine design of the ActionLaser 1000 and 1500, an entirely new imaging cartridge is used.

7. *Q.* ***What is the life in pages of the imaging cartridge for the ActionLaser 1000 and ActionLaser 1500?***

A. The all-in-one cartridge has a life of 6000 pages at 5% toner coverage.

8. **Q. Do the ActionLaser 1000 and ActionLaser 1500 have automatic printer sharing?**

   A. Yes. The ActionLaser 1000 comes standard with a parallel interface and also accepts an optional type "B" interface. With an optional interface, the ActionLaser 1000 can also be used with the built-in printer sharing.

   The ActionLaser 1500 comes standard with parallel and serial ports and can be shared by two computers. A type 'B" interface may also be installed in the printer for additional printer sharing capabilities.

9. **Q. Can the ActionLaser 1000 and ActionLaser 1500 connect to IBM System 3x, AS-400 systems or to 3270 series terminals?**

   A. Yes. Using the optional twinax and coax interfaces, users can connect to the IBM System 3x, AS-400 systems and 3270 terminals.

10. **Q. Why is the maximum memory difference between the ActionLaser 1000 and ActionLaser 1500?**

    A. The ActionLaser 1000 comes with 512Kb of soldered memory and three banks of sockets, expandable to 6.5Mb. The ActionLaser 1500 comes with 1Mb of soldered memory and two banks of sockets, expandable to 5Mb.

11. **Q. Do the ActionLaser 1000 or ActionLaser 1500 require memory boards for upgrading the printer's memory?**

    A. No. The user simply slides out the printer controller and places the memory chips on the controller board. The memory chips are the same standard DRAM chips used by the ActionLaser II.

12. **Q. Do the ActionLaser 1000 and ActionLaser 1500 have an ozone filter?**

    A. No. The new ActionLasers are ozone-free printers. Due to the new technologies in printer engine design, no ozone is produced.

13. **Q. Can the ActionLaser 1000 and ActionLaser 1500 feed different paper sizes?**

   A. Yes. The new ActionLaser printers have an internal adjustable paper tray. The tray accepts up to 150 sheets of 20 lb. paper in various sizes, including letter and legal size. The internal paper tray may also be adjusted to accept up to 10 envelopes. An additional 250 sheet letter size paper tray is also available. This optional tray is placed under the printer, keeping the same size footprint.

14. **Q. Is there Macintosh compatibility with the ActionLaser 1000 and ActionLaser 1500?**

   A. Yes. The Epson AppleTalk interface and PostScript options allow the new ActionLasers to be connected directly to a LocalTalk* network, or directly to an Apple Macintosh computer.

15. **Q. What is MicroArt printing?**

   A. MicroArt printing uses toner with a smaller particle size than that used in conventional toner. The benefits of MicroArt printing are blacker blacks, fine line reproduction, no "edge effect" (a printer error that causes edges to be darker than the center portion of an image), and less toner blurring.

16. **Q. What is R/Tech?**

   A. Resolution Improvement Technology (RITech) allows the ActionLaser 1500 to reassemble the dot mapped data to improve the printed image. This improvement smoothes text and graphics to eliminate the "jaggies" or jagged edges from text and graphics.

17. **Q. How do I set the ActionLaser 1000 and ActionLaser 1500 back to the factory default settings?**

   A. 1. Turn off the printer
   2. Press and hold the Initialize/Reset button while turning on the printer until "FACTORY RESET" appears on the LCD display, then release the button.

18. **Q. How does the automatic interface switching work** with **the ActionLaser 1000 and ActionLaser 1500?**

   A. The ActionLaser 1500 comes standard with parallel and serial interfaces, allowing two users to share a single printer. By installing an optional third interface, three users can share the printer. The ActionLaser 1000 supports a single user with the standard parallel interface. With an optional interface installed, two users can share the printer. It is not necessary to connect the ActionLasers through a network or switchbox to activate the switching of the interface ports. Also, no control panel functions need to be made. Optional emulations will require more memory.

   The printer can receive data from one interface while printing data from the other interface. The first job received is the first to print. Each job prints completely before another begins printing.

19. **Q. Can I get a print out of the current settings of the printer?**

   A. Yes, to print the STATUS SHEET follow the steps below:

   1. Press the SelecType Level 1 button to enter SelecType mode.
   2. Press the down arrow button (CONTINUE) until "STATUS SHEET appears on the LCD screen.
   3. Press the right arrow button (FEED) twice to execute the "STATUS SHEET".
   4. After the page prints, press the ON LINE button once to return the printer to an on-line condition.

20. **Q. Is there a separate "FONT SAMPLE" print of the internal fonts and cartridge fonts?**

   A. Yes, to print the "FONT SAMPLE", follow the steps below:

   1. Press the SelecType Level 1 button to enter SelecType mode.
   2. Press the down arrow button (CONTINUE) until "FONT SAMPLE' appears on the LCD screen.
   3. Press the right arrow button (FEED) twice to execute the "FONT SAMPLE".
   4. After the page prints, press the ON LINE button once to return the printer to an on-line condition.

21. Q. *What printer driver selection should I choose in my software programs when using the ActionLaser 1000 and ActionLaser 1500 in the HP mode?*

A. The proper printer driver selections are listed below in order of preference.

HP LaserJet IIIsi	(ActionLaser 1500 only)
HP LaserJet IIIP	(ActionLaser 1500 only)
HP LaserJet Series III	(ActionLaser 1500 only)
HP LaserJet IIP	
HP LaserJet Series II	
HP LaserJet Plus	
HP LaserJet 500	

22. Q. *What ate the product codes for the options and supplies for the ActionLaser 1000 and ActionLaser 1500?*

A. Listed below are the product codes of the options and supplies:

Part Number	Description
C812301	Lower Paper Cassette Tray
C812311	Face-up Output Tray
S051011	Imaging Cartridge
C826021	Epson GL Identity Card
C823071	32Kb Serial Interface Board (Type B)
C823101	32Kb Parallel Interface Board (Type B)
C826051	Adobe PostScript Identity Card
512KBMEM	0.5Mb Kit
2MBMEM	2.0Mb Kit
MACLP	Macintosh Connectivity Kit
C823151	Twinax Interface
C823141	Coax Interface