

# SERVICE BULLETIN

**Bulletin Part Number:** 296133-B1

**Product:** L1 Model II and L1 Model 1S Power Stands

**Subject:** Power supply failure.

**Disposition:** Perform the following modification on L1 Model II and L1 Model 1S systems opened for repair built before the date of manufacture listed below.

The system Date of Manufacture (DOM) is the four underlined numbers in the serial number in the format YDDD. Example - 4239 is the 239th day of the year 2014 or 8/27/2014.

Product	Version	Date of Manufacture	DOM
L1 Model II	US	08/27/2014	4239
	EU	08/25/2014	4237
L1 Model 1S	US	09/21/2014	4264
	EU	09/22/2014	4265

**Symptom:** Red LED flashing, Steady FAULT LED or No Power

**Reason:** In some cases where the systems are left on in the idle state for a for period of time (24/7) , the capacitors might fail.

**Solution:** Using the part numbers referenced in the table below, replace C16 and C24 on both power amplifier PCBs. See figure 1 on the next page. When replacing the C16 and C24 make sure you add heat shrink tubing to the wire leads of the capacitor. See figure 2 on the next page. The caps should also be spaced 1mm away from the inductors and add adhesive (RTV) to keep them in place. **NOTE:** The adhesive can cover the components, but keep the adhesive away from the large inductors (L1 and L3). Replace C147 and remove C264 on the DSP PCB. See figure 3 on the next page. Replace both fans. Update the software to enable improved performance in the idle state. The software is posted to the L1 Model II and L1 Model 1S systems repair information page.

**NOTE:** This software update MUST be performed ONLY on units that have had the hardware changes made. Make sure you perform Hi-Pot test after the rework has been completed. Refer to the TSG website for Hi-Pot testing instructions.

Software update files:

L1 Model II: PS2\_V1\_5\_20140620.bos

L1 Module 1S: PS15\_V1\_2\_20140704.bos

Part Number	Description	Reference Designator	PCB
731972-001S	0.33uF, PP, 250V, 5%	C16, 24	Power Supply
731975-001S	100uF, EL, 0607, 25V, 20%	C147	DSP
Remove part	Remove part	C264	DSP
731974-001S	FAN, 12 VDC, 5400, 40X40, DUAL BALL	FAN	-

Date Issued: 11/14

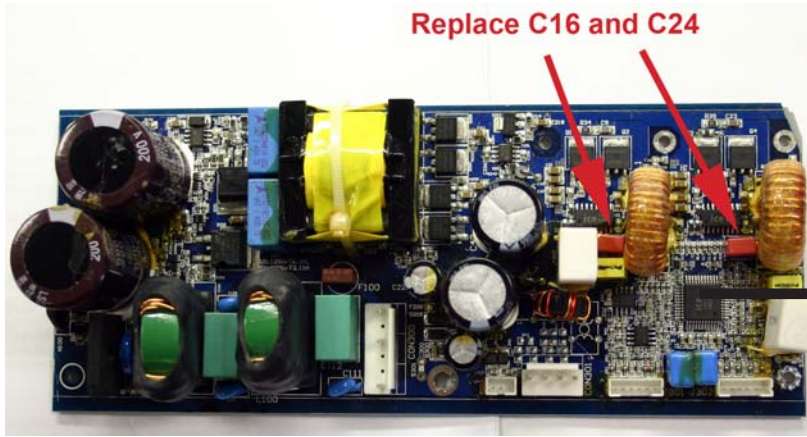


Figure 1.

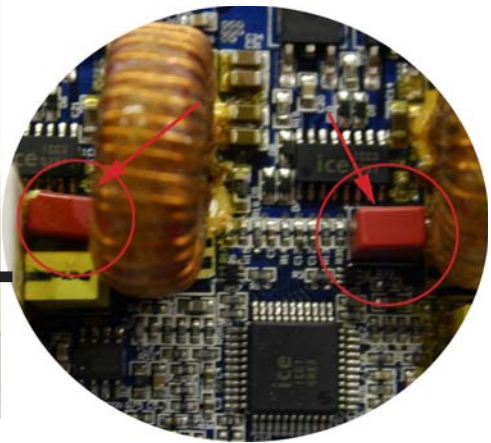


Figure 1. C16 and C24

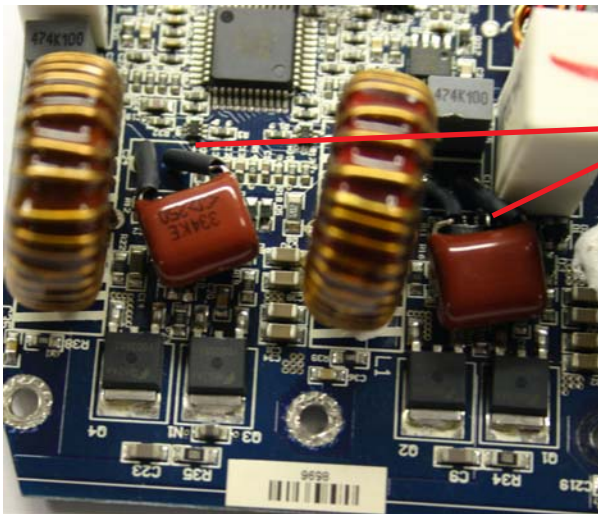


Figure 2

Shrink tubing on leads.

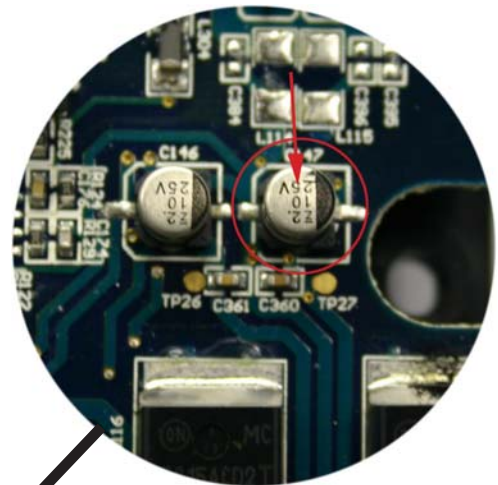


Figure 3. C147

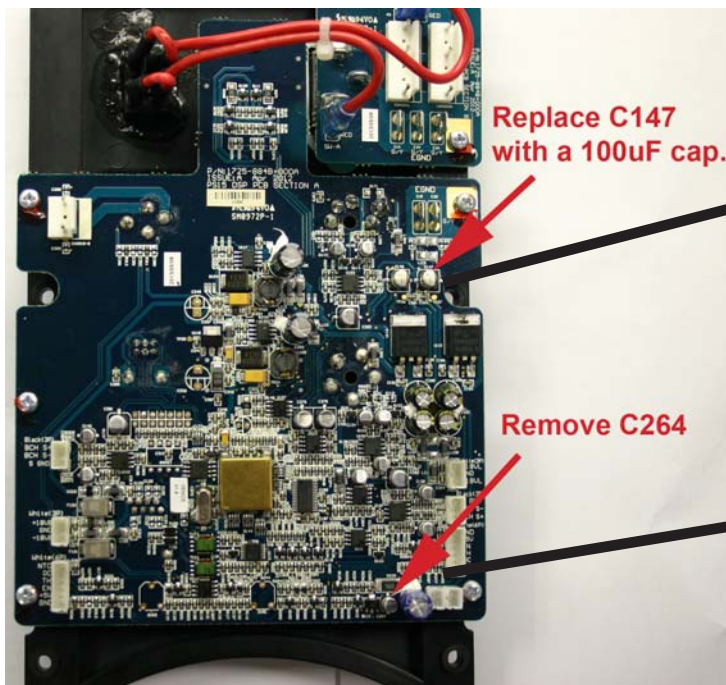


Figure 3

Replace C147 with a 100uF cap.

Remove C264

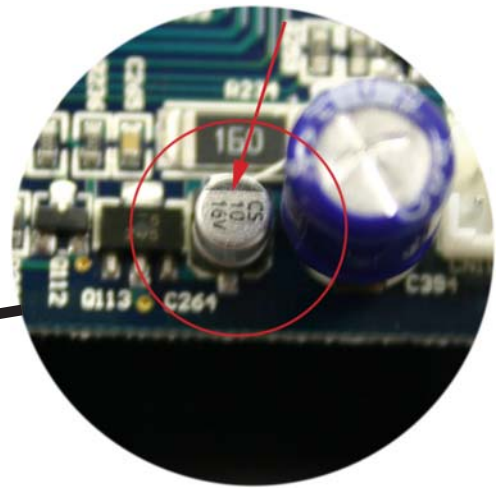


Figure 3. C264