

SERVICE BULLETIN

Bulletin Part Number: 318882-B1

Product: L1 Compact Portable Line Array System

Subject: Defective diodes from vendor

Disposition: On all L1 Compact systems built before 7/24/09 (DOM 9205) that are sent in for service, replace Zener diodes Z1, Z2 and Z7 using the following procedure.

Symptom: No symptom or dead unit.

Reason: Defective diode(s) from the part manufacturer may fail prematurely.

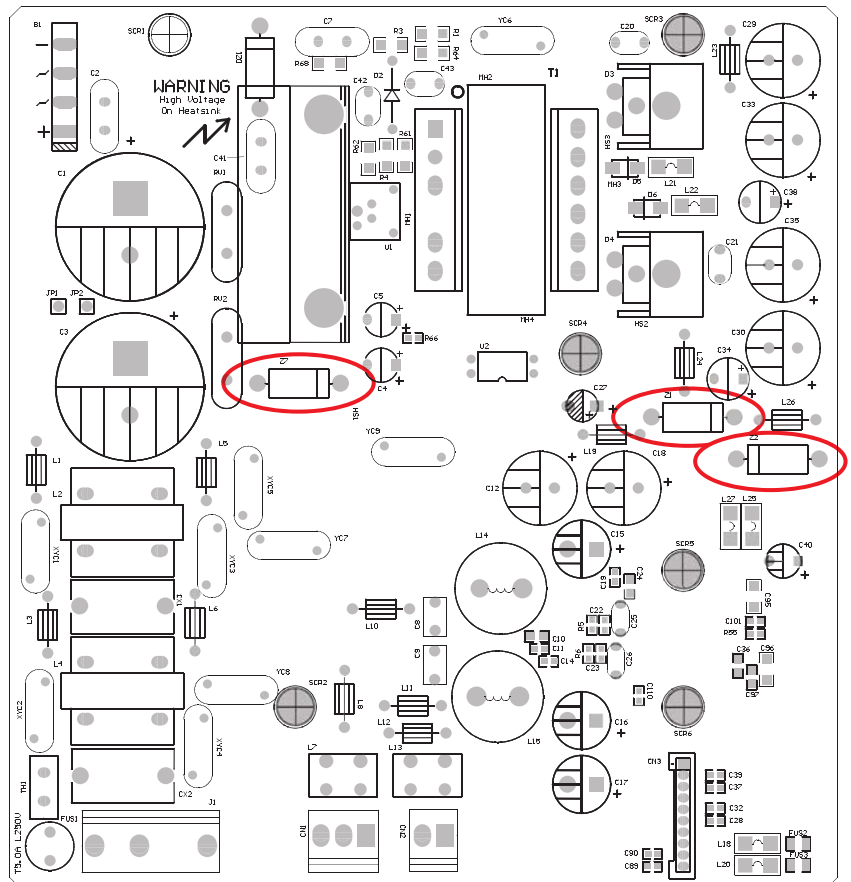
Solution: Perform the rework procedure below.

Rework Procedure:

1. Using the disassembly procedures in the service manual, remove the power supply / power amplifier PCB assembly from the power stand cabinet.
2. Locate and remove zener diodes Z1, Z2 and Z7. Discard.
3. Using Bose part number 325372-001S, replace Z1, Z2 and Z7 with new parts. The diodes are On-Semi 1N5347B, 5W, 10V zener diodes with axial leads. Be sure to observe polarity when installing the new parts.
4. Re-install the power supply / power amplifier PCB assembly into the power stand cabinet.
5. Perform the power stand test procedures located in the L1 Compact service manual to ensure proper operation before returning the system to the customer.

Notes:

1. Refer to the L1 Compact service manual, 318882-SM, located on the service web site located at <http://serviceops.bose.com> for disassembly and test procedures.
2. Refer to the board layout diagram at right and the schematic diagram located on page 2 of this bulletin for the locations of Z1, Z2 and Z7 in the circuit and on the circuit board.



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