

# SERVICE BULLETIN



**Bulletin Part Number:** 719782-B1

**Product:** FreeSpace IZA/ZA 2120-HZ/LZ and ZA 2120-HZA/LZA Amplifiers

**Subject:** Overstressed parts resulting in no power symptom

**Disposition:** On all units that come in for repair within the below DOM range, perform the below procedure as a preventive repair

IZA/ZA 2120-HZ/HZA: Units built before May 24, 2018 (DOM 8142)

IZA/ZA 2120-LZ/LZA: Units built before Jun 11, 2018 (DOM 8159)

**Symptom:** Dead / No Power

**Reason:** Parts overstressed by usage

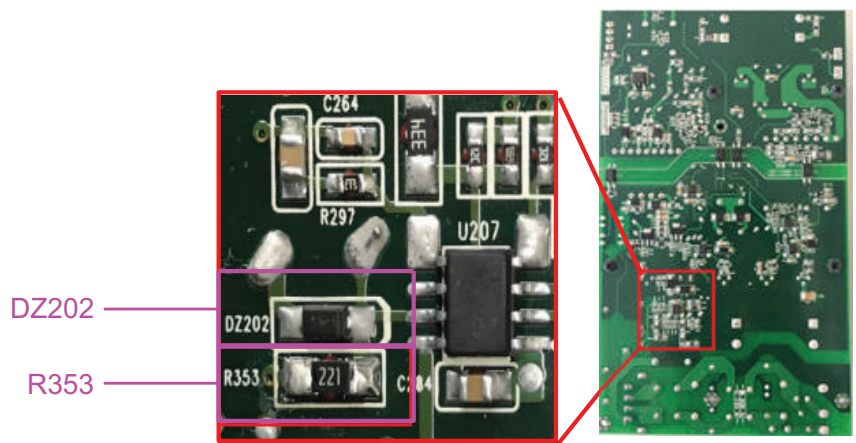
**Solution:** On all units that come in for repair within the affected date range, replace diode DZ202 with Bose part number 174265-5245 and R353 with part number 124894-2000.

**Note:** The value of R353 has been changed from the original value of 100 ohms to 200 ohms in order to reduce stress on the affected circuit.

**Note:** Refer to the service manual, reference number 719782-SM for disassembly and test procedures.

## Procedure:

1. Remove the 10 screws that secure the top cover to the chassis. Lift off the top cover.
2. Locate the SMPS PCB assembly. Disconnect the wiring harnesses at J201, J202, J203 and J204. and remove the six screws that secure the PCB assembly to the chassis. Lift out the PCB assembly.
3. On the bottom of the SMPS PCB assembly, locate DZ202 and R353. They are located near U207. Refer to the figure at right.
4. Carefully un-solder and remove DZ202 and R353. Clean the solder pads and install the new parts. Be sure to observe polarity when installing DZ202. The cathode connects to pin 7 of U207.
5. Re-install the PCB assembly into the chassis. Ensure that the insulating sheet is properly installed under the PCB assembly.
6. Perform the test procedures listed in the service manual, reference number 719782-SM before returning the unit to the customer.



**Component Locations**

**IMPORTANT NOTE:** Be sure to perform the Hi-Pot test before returning the unit to the customer to ensure there is no shock hazard. This is a mandatory test.

**Date Issued:** 10/2018

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Service documentation available Online at <http://serviceops.bose.com>