

Service Home Page

Owners Guides

REPAIR INFORMATION

Lifestyle® Systems

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Bose® Wave® Radio

321® Home Entertainment Systems

Lifestyle® Music Centers

Powered Bass Modules

Powered Speakers

Acoustimass® Speakers

SoundDock

"01" Speakers

Environmental Speakers

"001" Speakers

"Point" 2 Speakers

RoomMate® Speaker

Car Stereo

Headphones

Multimedia

Miscellaneous Products

Built-INvisible® Product

Pro Products



Engineer:

Technical Writer: Jim Slowey

Date: 5/12/98

Service Bulletin: 181812-B1**Product: 1800V Professional Stereo Amplifier****Subject: Excessive hum**

Solution: The ground needs to be modified. Perform the following procedures:

Amplifier Modulation:

1. Ensure that the power has been disconnected from the amplifier.
2. Remove the amplifier's top cover and input module. Refer to the 1800V service manual for the disassembly procedures.
3. Remove the ground jumper W40 from WL8. WL8 is located on the power supply PCB. Cut the other end of the jumper W40 as close to the I/O PCB as possible. Discard the jumper wire W40. Refer to [Figure 1](#) for the location of WL8.
4. Place the new ground jumper wire's (part number 187463) fast-on connector onto WL8.

5. Insert the end of the new ground wire with the Molex pin into the Molex connector that feeds the $\pm 15V$ to the input module. Use the empty connector location that is directly above the white wire feeding into the connector. This is pin 3 on the Molex connector. Refer to [Figure 2](#). Tie wrap the new jumper wire to the wire bundle making sure that the wire is not touching the heat sink.

6. Check both ends of the new ground wire to ensure that they are properly seated.

7. Replace the amplifier's top cover.

Input Module Modification:

NOTE: The input module modification should be performed on REV A, 1 and 2 input modules.

1. Remove a minimum of 1/8th square inch of solder mask at the location shown in [Figure 3](#).
2. Solder a piece of #20 solid insulated wire to the locations shown in [Figure 3](#).
3. Replace the input module into the amplifier. **NOTE:** Remove and insert the input module several times to ensure that the Molex pin is properly seated in the Molex connector.
4. Measure the resistance between the ground on the quick connect and the chassis ground. It should measure 0 ohms. If it measures 10 ohms, repeat the amplifier and input module modification procedures.

Figure 1

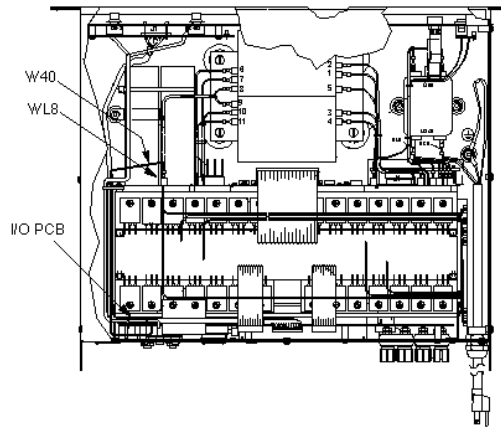


Figure 2

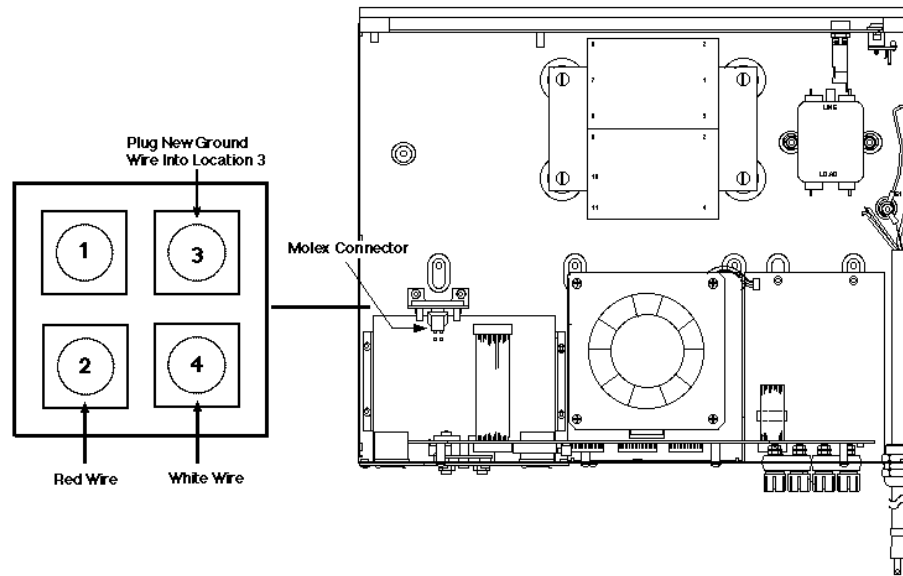
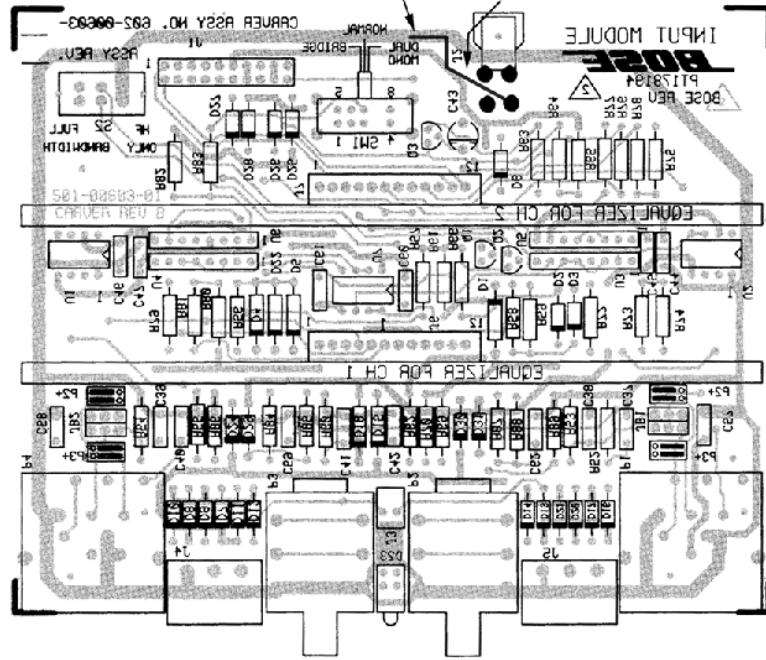


Figure 3

Remove 1/8th square inch of solder mask

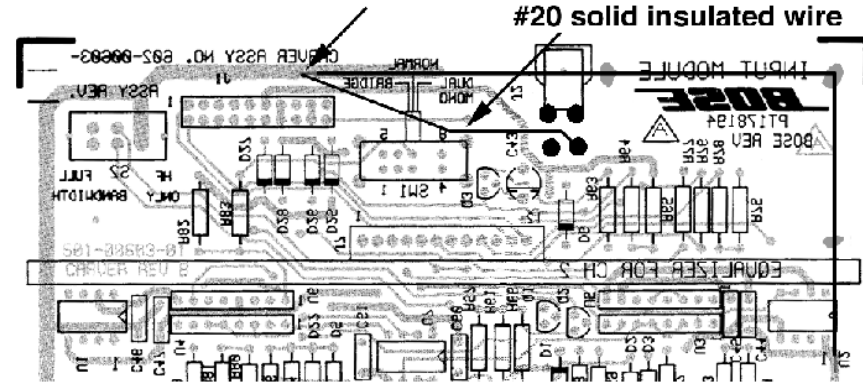
#20 solid insulated wire



REV 1, 2

Remove 1/8th square inch of solder mask

#20 solid insulated wire



REV A