

<b>CLASS</b> <b>FM</b>	<b>DWG NO.</b> 344871-TT
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REVISIONS			
REV	DESCRIPTION	ENG	DATE
00	INITIAL RELEASE	DAVE JUNKINS	8/17

SIGNATURES REQUIRED		PRINT NAME	SIGNATURE
TSG REPRESENTATIVE		BOB SMITH	
CELL LEAD			
REPAIR SUPERVISOR		JENNIFER PAYTON	

<b>TSG ENGINEER</b> Bob Smith	<b>DATE</b> 8/17	<b><i>BOSE</i></b> <sup>®</sup> FRAMINGHAM, MA 01701-9168			
<b>APPLICABLE DOCUMENTS:</b>  SERVICE MANUAL: 344871-SM		<b>DESCRIPTION</b>  FreeSpace IZA/ZA 190HZ and IZA/ZA 250 Amplifiers			
		SIZE <b>A</b>	FSCM <b>32108</b>	CLASS <b>FM</b>	DWG NO. <b>344871-TT</b>
				REV <b>00</b>	
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## Description

Refer to the FreeSpace IZA/ZA Amplifiers schematics and Service Manual reference number 344871-SM located on the Bose Service web site at <http://serviceops.bose.com> for part lists and test procedures.

### 1. Preventative Repair Measures

**Note:** Perform the following on all units returned for repair.

Product	Check	Action
FreeSpace IZA/ZA Amplifiers	None	N/A

### 2. Troubleshooting Tips

Product	Symptom	Check	Action
FreeSpace IZA/ZA Amplifiers	<p>Low/no audio when installing a new SMPS/Amplifier PCB from stock.</p> <p>There is an issue where this capacitor doesn't charge on its own when a new Main PCB assembly is installed from Service stock. C437 not functioning when the board is first powered up, resulting in low or no audio. Replace this capacitor to restore proper operation of the new board.</p>	C437	<p>Replace C437 with a new part. The capacitor on the replacement PCB is not charging when the board is first powered up, resulting in low or no audio. This cap is located in the mute circuit. If it does not charge, the audio is reduced or muted.</p> <p>C437 is a part of the mute circuit located in the power supply section of the Main PCB. Refer to the circuit below from the schematic diagram (Page 2).</p> 