					CLASS FM	DWG	NO.
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	00	INI	DESCRIPTION FIAL RELEASE		PETE CO	PETE CORTESE/ PAUL COLLINS	
SIGNATURES REQUIRED			PRINT NAME		SIGNATURE		
TSG REPRESENTATIVE			PAUL COLL	INIC			
CELL LEAD			DAVID MIK				
REPAIR SUPERVISOR		-	KEVIN KIN				
OTHER()			TCL VIIV TCII	10			
J. T. L. M.							
TSG TECHNICIAN Pete Cortese	DATE 4/09		FRAMINGHAM, MA 01701-9168				
APPLICABLE DOCUMENTS			DESCRIPTION				
SERVICE MANUAL: 290177-SM			Companion® 5 Multimedia Speaker System Troubleshooting Tips				
			SIZE	FSCM	CLASS	DWG NO.	REV
			A	32108	FM	290177-TT	01
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Troubleshooting Tips Companion® 5 Multimedia Speaker System

Refer to the Companion® 5 Multimedia Speaker System service manual reference number 290177-SM for schematics, PCB layouts and parts lists located on service web site.

Preventative Repair Measures

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

Product	Check	Action
Companion 5	Upgrade the Companion 5 firmware to ensure compatibility with Microsoft Vista operating systems	Applies to systems built before June, 2007 (DOM 7152). Upgrade the Companion 5 firmware. Refer to the Bose Service Operation's web site for software update information.
		Service Bulletin: 290177-B1
*	Check to see if the DOM is between 4/23/07 (7113) and 6/3/07 (7154)	Replace C48 (on the DSP PCB) with a new part, using p/n: 261614-472HB3.
		Service Bulletin: 290177-B2

Troubleshooting Tips

Product	Symptom	Check	Action		
Companion 5	The LED won't switch to green	Check L50 on the DSP PCB for 1.2 Vdc	Check L50 or pin 25 on U7000 for 1.2Vdc. If the 1.2V is missing and Vsnub (26V) is present, replace U50 and U51 with part numbers 288281-001, and 289259-001, respectively.		
Companion 5	Dead unit	Check F1 on the I/O PCB	Using a multi-meter to check F1 for continuity. If there is no continuity, replace the fuse with p/n: 269855-02000.		
Companion 5	No audio or volume control from the computer	Make sure the computer and the Companion are synchronized	If all cables are connected and seated properly, try closing and reopening Windows Media Player, to ensure detection and synchronization between the PC and the Companion 5. Also, make sure the volume is turned up at least half way in Windows Media Player.		
Companion 5	No volume control from the control pod	Check the control pod	Try rotating the outer ring of the control pod clockwise, and then counter clockwise. Listen for change in the volume. If the volume does not change, reseat the control pods connector into the bass module. If the control pod is not connected, the bass module defaults to full volume. If the control pod is defective, replace the control pod with p/n: 294599-001.		
Companion 5	No audio from speakers or headphones	Check Q10 on the DSP PCB	Check Q10 voltages referencing the table below. If the output voltage is missing (Vraw 14.6V), replace Q10 with p/n: 271765-002. Q10 voltages in circuit. S 21V G 17.3V D 14.6V		

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