

BOSE[®] WAVE[®] RADIO/CD TROUBLESHOOTING GUIDE

Refer to the Bose Wave radio/CD service manual, part number 250443, for schematics, PCB layouts and part lists.

Symptom	Reason(s)	Action
Dead Unit.	<ol style="list-style-type: none"> 1. Fuse F1 open. 2. Unseated J1. 3. Open power transformer. 	<ol style="list-style-type: none"> 1. Replace fuse F1. 2. Reconnect J1. 3. Replace power transformer.
Unit turns on/off by itself.	CD door defective.	Replace the CD door assembly.
Intermittent or inoperable FM/AM.	<p>Depending on date code, defective CF303 and C341, C342 or fractured solder joints on CF303.</p> <p>Refer to service bulletin 250443-B3 for further information.</p>	<ol style="list-style-type: none"> 1. In units built before 5/4/99, replace CF303 with a 7.2 MHz crystal, part number 250892-001 and C341 and C342 with 27pF capacitors part number 133622-270. After soldering CF303, be sure to clip the leads. 2. In units built after 5/4/99, check for fractured solder joints on CF303 and make sure the leads have been clipped.
Constant hum on AM/FM.	Power supply capacitor C205 may be installed with reverse polarity.	Replace capacitor C205 part number 144000-471V.
Hum on all sources.	Reversed C202 or C205.	Replace C202 or C205.
The CD player is inoperable or intermittent.	Fractured solder joints on power supply capacitor C16.	Re-solder power supply capacitor C16.
The unit doesn't respond to the buttons located on the CD door.	The PCB located in the CD door assembly may be cracked.	Replace the CD door assembly, part number 198608-010 platinum white or 198608-002 graphite grey.
CD does not work.	<ol style="list-style-type: none"> 1. CD mechanism lens dirty. 2. C16 has fractured solder joints 3. 13 conductor flex cable defective. 4. CD mechanism failed. 5. U500 defective. 6. Switch on CD door assembly defective. 	<ol style="list-style-type: none"> 1. Clean lens. 2. Resolder C16. 3. Replace the flex cable. 4. Replace the CD mechanism. 5. Replace U500. 6. Replace the CD door assembly.
CD skips.	<ol style="list-style-type: none"> 1. C16 has fractured solder joints 2. 13 conductor flex cable defective. 	<ol style="list-style-type: none"> 1. Resolder C16. 2. Replace the flex cable.