

Customer Service Bulletin

SLM Electronics, Inc. Saint Louis, Missouri

Oct 14, 1998

CSB0005

Units Affected:

<u>Model</u>	<u>Serial Number</u>
Audio Centron GE-231	ACPDI00001 through ACPDI00096 ACPDI60001 through ACPDI60050 ACPDIA80001 through ACPDIA80084 ACPDJA0001 through ACPDJA0100* ACPDI90001 through ACPDI90062 ACPDIB0001 through ACPDIB0100
Audio Centron GE-231W	ACRWJ70001 through ACRWJ70098 ACRWI80001 through ACRWI80050
	<i>*except</i> ACPDJA0029, 0035, 0037, 0038, 0040, 0042, 0045 through 0047, 0049, 0050, 0052 through 0055, 0058 through 0070, 0071, 0073, 0074, 0076 through 0079, 0082 through 0087, 0093, 0095, 0098. These units have been factory modified.

Concern:

Units have excessive hum when operating into multiple power amps. This modification corrects that condition while improving the overall noise spec.

Corrective Actions:

OPTION A - RETURN UNIT FOR MODIFICATION/REPLACEMENT:

1. Contact SLM Electronics' Service Department for a Return Authorization number.
2. Return unit to SLM Electronics for modification or replacement.

OPTION B - MODIFY UNIT:

NOTE: Use standard anti-static precautions when working with the PCBs.

1. Unplug the unit.
2. Remove the two small screws from the bottom and the three small screws from the top of the unit. Remove the top panel.
3. Remove the four plastic nuts and eight small screws at the jacks on the rear of the unit.
4. Remove the two chrome screws from the rear of the unit. Remove the rear/side chassis.
5. Remove the four knobs (note color placement for proper reassembly) and six 7/64" allen cap screws from the front of the unit. Partially remove the faceplate.
6. Carefully disconnect the four ribbon cable connectors from the PCBs. Set the faceplate aside.
7. Disconnect the three-wire harness connector from J11 of the upper PCB.
8. Locate the three white spacers between the PCBs. Remove upper PCB by pinching tops of spacers with pliers to release them.
9. Locate the six black spacers that hold the lower PCB to the chassis bottom panel. Remove lower PCB by pushing tab of each spacer into body of spacer, then lifting PCB above spacer.
10. Remove the 10 ohm resistor in the C128 location (next to J6) on both PCBs. See figure 1, page 2.
11. Cut the middle, black wire of the three-wire harness (from step 7) at both ends and remove it. See figure 2, page 2.

12. Replace all four 1/4" jacks with SLME part number 39-117-51 jacks. Make sure inside of rear chassis is scraped free of paint around the holes for these jacks. See figure 3, page 2.
13. Scrape away the paint from the inside of the rear chassis around the holes for the chrome screw that fits into the lower PCB's ground lug (J9). See figure 3, page 3.
14. With both PCBs facing solder-side up, scrape away the solder mask at the "ground central" points on both PCBs as indicated in figure 4, location "A," page 3.
15. Solder a 3" piece of insulated 20-gauge stranded wire from ground central of lower PCB to ground central of upper PCB at the areas scraped clean in step 14. See figure 4, location "B," page 3.
16. Solder a 3" piece of insulated stranded wire from ground central of lower PCB (the one with the power switch) to its the ground lug See figure 4, location "C," page 3.
17. Cut ground trace on both PCBs at location indicated in figure 4, location "D," page 3.
18. Reassemble unit by reversing steps 9 through 2. Take care not to damage or pinch the jumper wire.

Figure 1: Removal of 10 ohm resistor

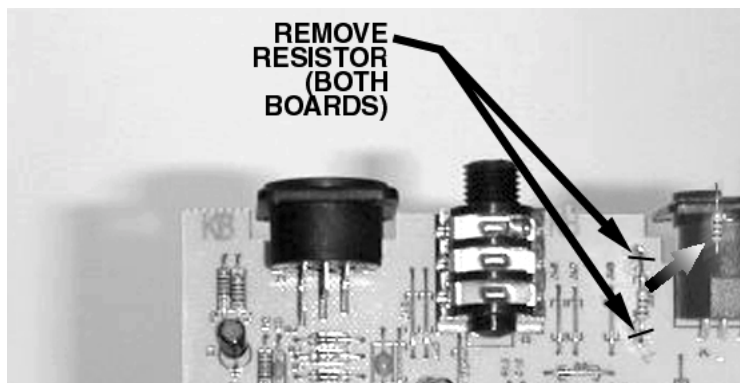


Figure 2: Removal of wire from harness

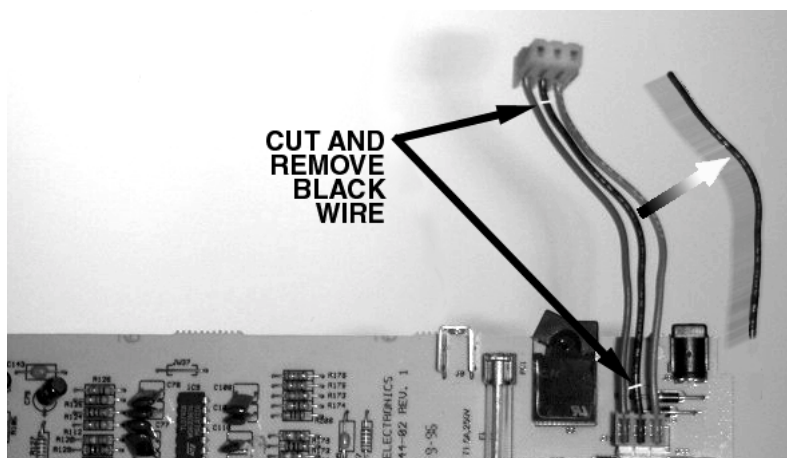


Figure 3: Removal of paint from chassis

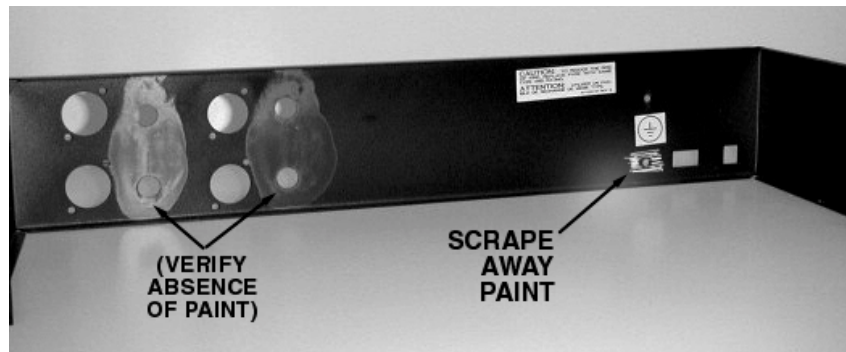
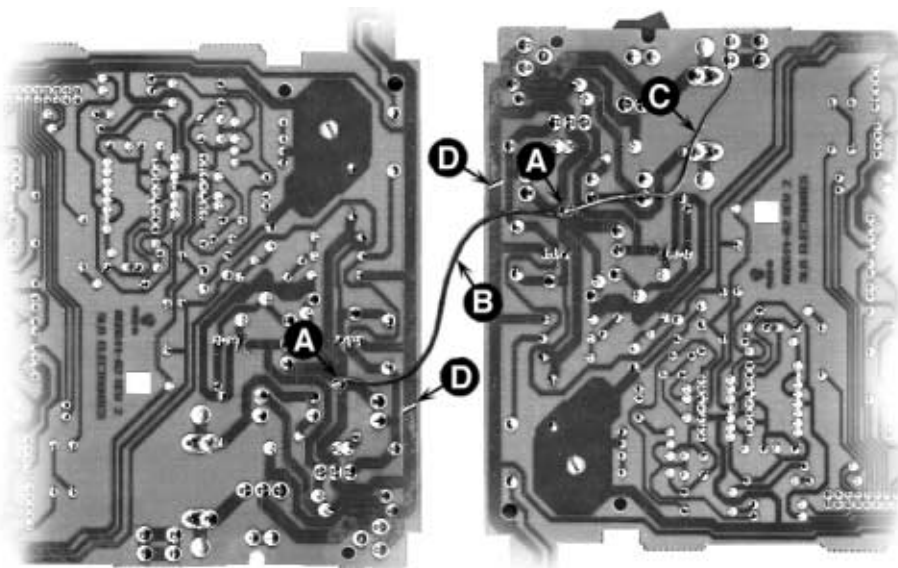


Figure 4: Modifications to PCBs



- A: Scrape ground central, both PCBs.
- B: Connect ground centrals with jumper wire between both PCBs.
- C: Install ground wire, lower PCB only (the one with the power switch).
- D: Cut ground trace, both PCBs.

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