

THE GREAT AMERICAN SOUND COMPANY, INC.

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DEC. 20, 1977

SERVICE TECHNICAL BULLETIN

NO. 29

MODEL THALIA (801)

SYMPTOMS
NOTED

1. Moving either the Bass Control or the Volume Control causes a scratching noise through the speakers.
2. A thump is heard in speakers when THALIA is turned on.

PROBLEM

The normally-zero DC output voltage has developed an offset exceeding $\pm .05$ Volts DC.

REMEDY

Re-adjust the Line-Amplifier Offset Adjust Controls (3) for zero Voltage at the output and inputs of the THALIA Line Amplifier.

PARTS
REQUIRED

None

PROCEDURE

1. Remove Top Cover.
2. Connect THALIA output to Scope.
3. Ground all inputs by releasing Selector Switches.
4. Set Level (Volume Control) at minimum.
5. Set Tone Controls at flat position. (Ten notches from each side.)
6. Set Balance Control all the way to one side (either Ch. A or Ch. B.) and begin adjustment on opposite channel. Observe offset output voltages on DC Scope and OT DC Meter.
7. Refer to pictorial supplied for location of controls to be adjusted.
8. Observing offset voltage on Scope, begin a adjustment of Inverting Offset Control Pots A-1 (P-185) or B-1 (R-182) until a reading of "0" is obtained on Scope.
9. Connect A VVM between ground and outer lead of A-2 (R-179) or B-2 (R-176). Observe the readout of VVM and adjust output Balance Control Pots A-3 (R-218) or B-3 (R-219) to a swing of millivolts between "+" and "-", then adjust to zero volts on DVM.
10. Move Balance Control to middle position while observing the DC Voltage on the Scope. When you reach the greatest deviation between channels (offset), Non Inverting Offset adjust (R-152) or B-4 (R-149) until a reading of "0" is obtained on Scope.
11. Repeat Steps 8 and 9 two or three times, or until the minimum offset of both channels is achieved.
12. Adjust A-4 (R-218) or B-4 (R-219) for minimum offset swing while rotating Base Control, OBSERVING Scope only. Balance at one side all the way.
13. Replace Top Cover and check for normal unit operation.

NOTE:

Serial Numbers affected include all numbers.

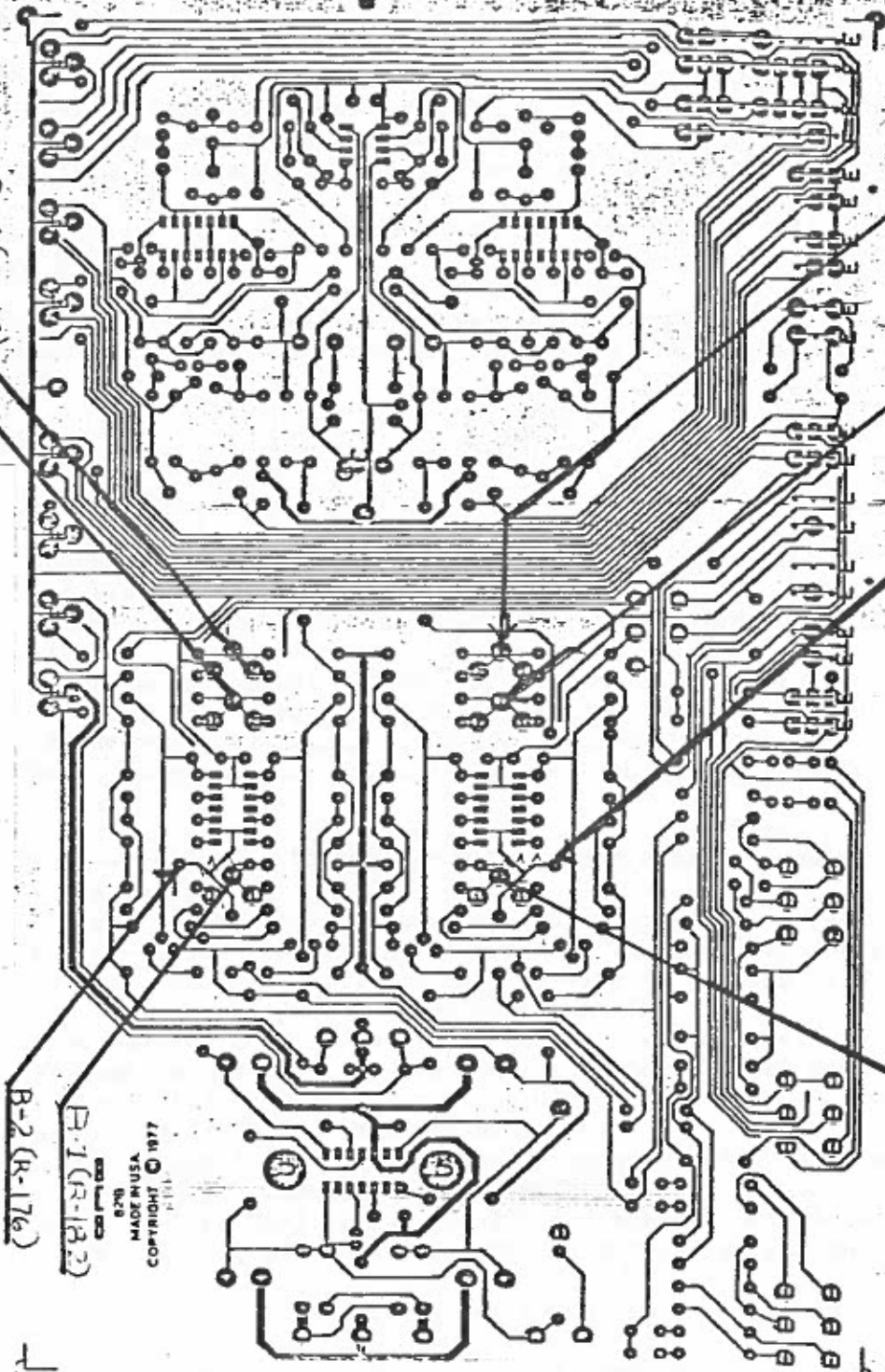
REAR

A-3 (R-218)

A-4 (R-152)

A-2 (R-179)

A-1 (R-195)



1014
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820

B-2 (R-176)

B-1 (R-182)

B-4 (R-149)

B-3 (R-211)

FRONT

CH. 1

CH. 2