

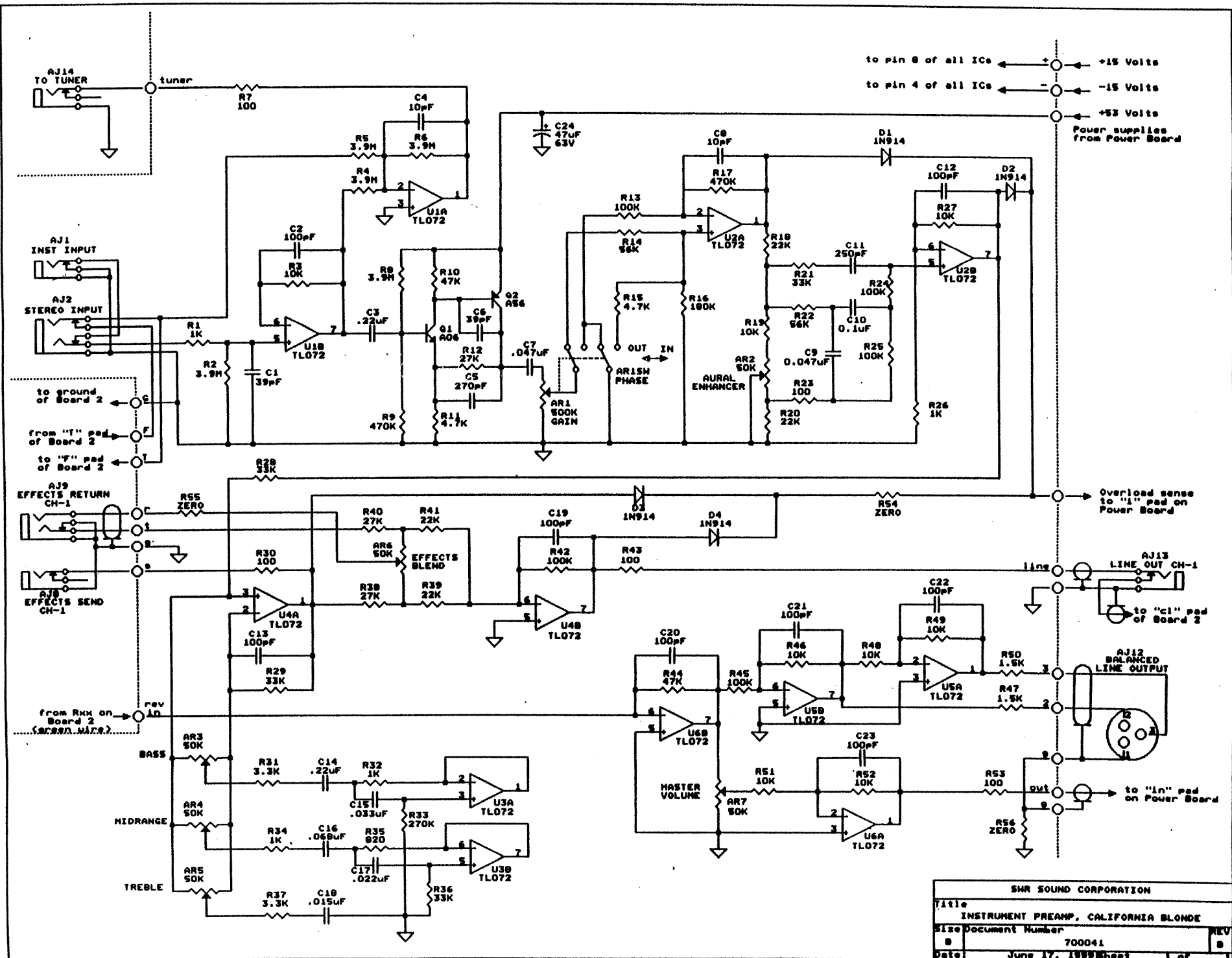
NOTES (Unless otherwise specified):
 1. All resistor in ohms, 1/4 watt, 5%

SWR Sound Corp.

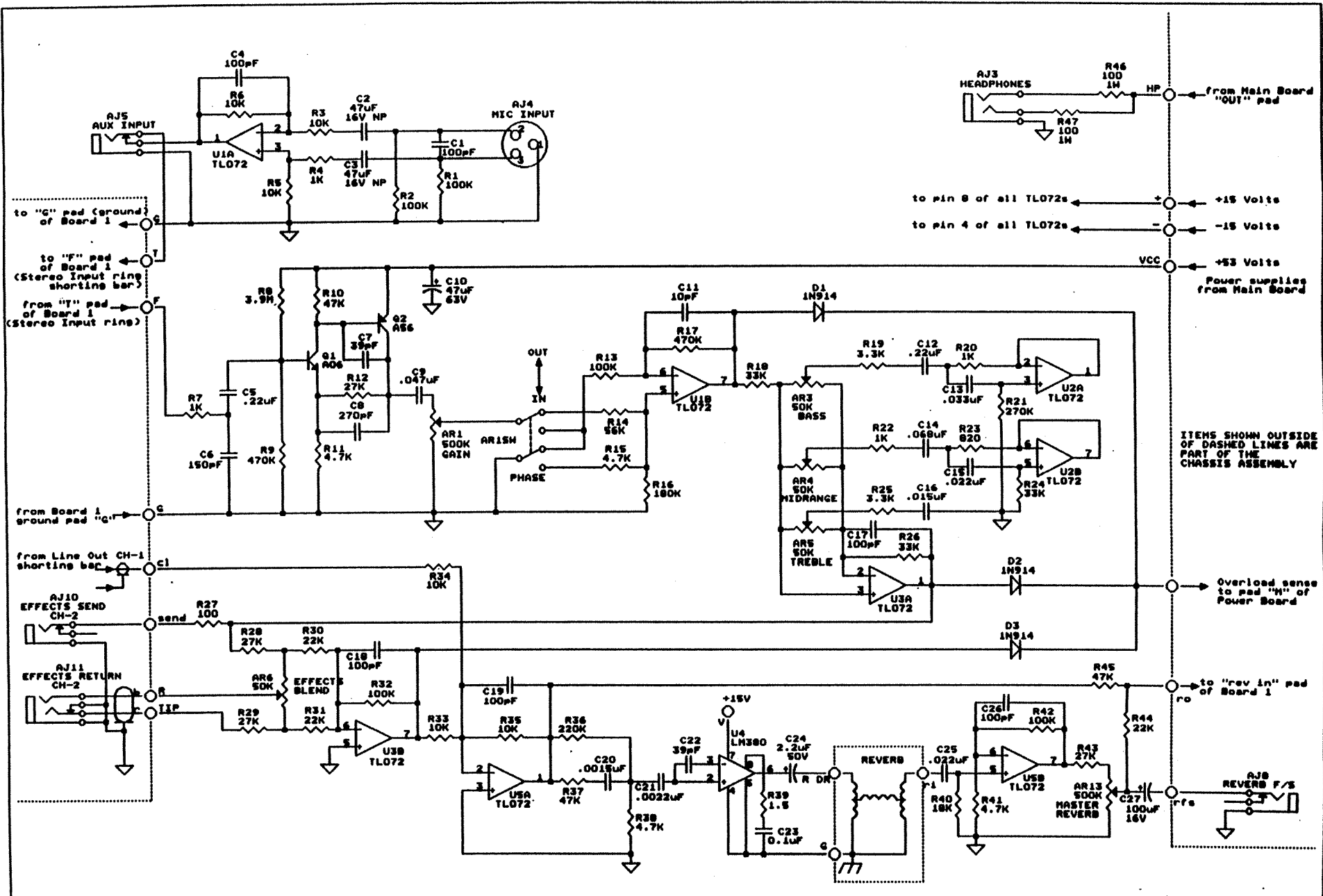
California Blonde - Power Amp Board

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Last updated: 26 August 2000



SHR SOUND CORPORATION			
Title	INSTRUMENT PREAMP, CALIFORNIA BLONDE		
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to pin 8 of all TL072s → +15 Volts
 to pin 4 of all TL072s → -15 Volts
 VCC → +53 Volts
 Power supplies from Main Board

ITEMS SHOWN OUTSIDE OF DASHED LINES ARE PART OF THE CHASSIS ASSEMBLY

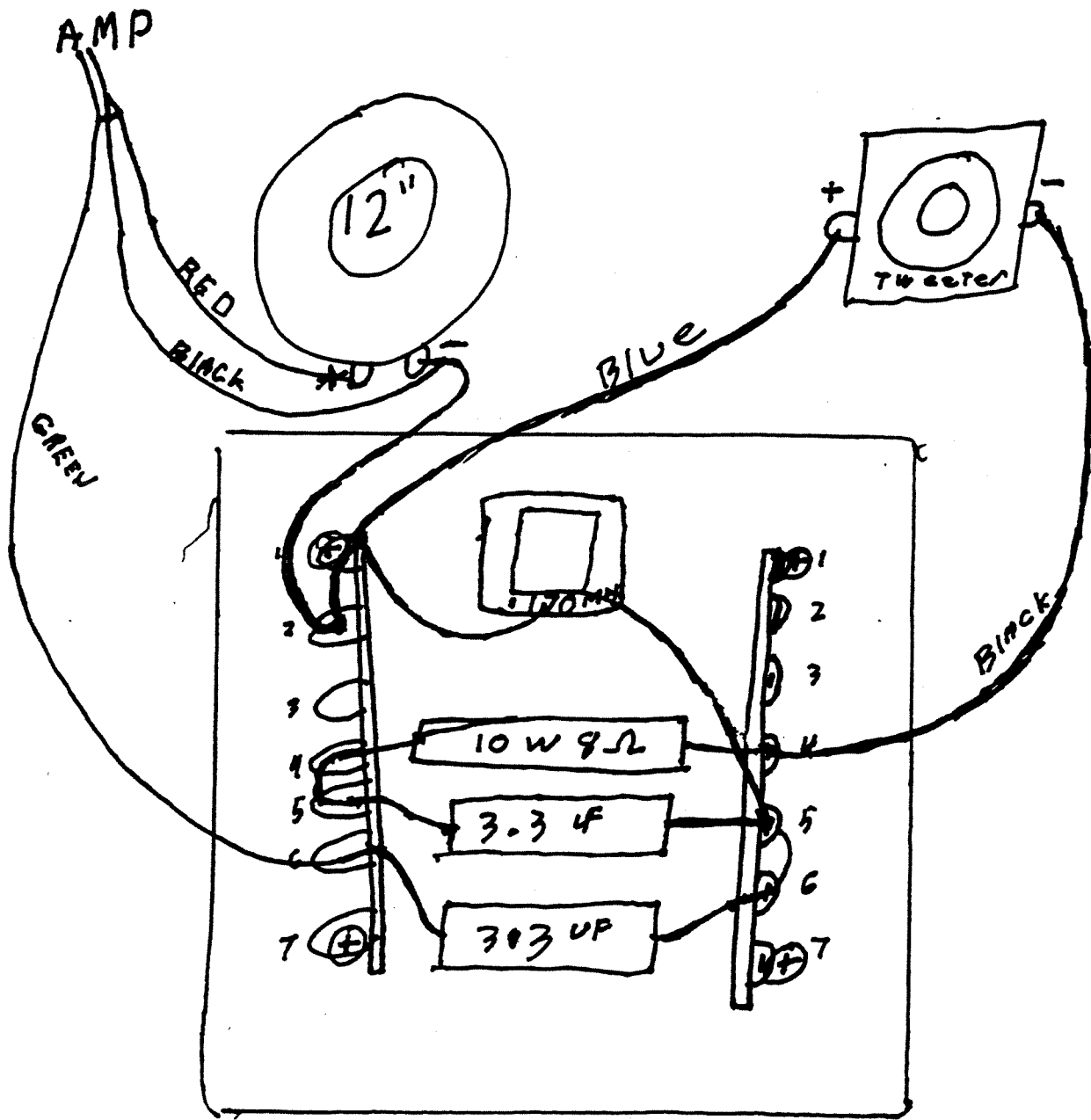
Overload sense to pad "M" of Power Board

to "rev in" pad of Board 1

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2. Reference designators preceded with the letter "A" are part of the Chassis Assembly.
 1. All resistors are in Ohms, 1/4 Watt.
 NOTES (Unless otherwise indicated):



SWR CALIF. BLONDE
 X-OVER

BIAS PROCEDURE SM-400/SM-900/ST-800

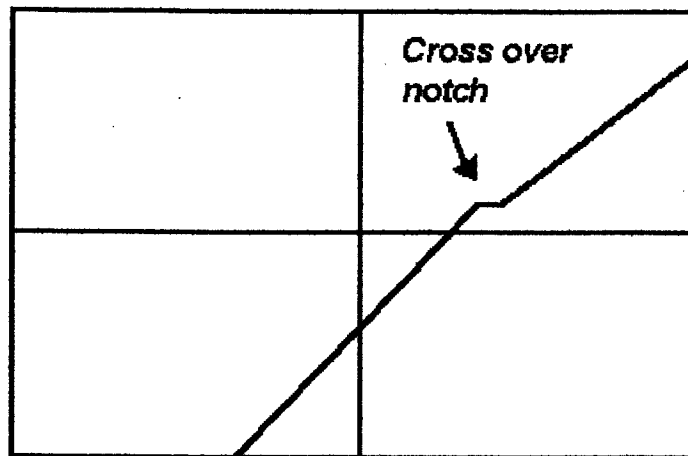
Equipment required:

**Sinewave generator
2 ohm, 250 watt load
AC millivolt meter
Oscilloscope**

- 1. Lower signal generator output to minimum, set frequency to 1KHz and insert into "mono" effects return jack (unbalanced line in for Stereo 800).**
- 2. Set Power Amp Assign Switch on back panel to "Stereo" position (up). Plug 2 ohm dummy load in channel to be tested.**
- 3. Raise Master Volumes on SM-900 and ST-800 to full clockwise. Set Effects Blend control on SM-900 to "wet" (full clockwise). Set Balance control on SM-400 to mid-position.**
- 4. Adjust bias trim pots to full counter-clockwise position.**
- 5. Turn on/off switch to "on" position. Connect unit to autotransformer (variac) and raise AC line level to 115 volts.**
- 6. Position ground reference on oscilloscope just above center line of screen.**
- 7. Raise signal generator level so that 2 volts RMS appears at the speaker output.**
- 8. Monitor signal on scope with the following settings:
Load: 2 ohms
Scope: Sweep Time: 50us Volts/Div: 0.2V
Signal Generator: Freq. 1KHz**

9. The signal should have a prominent crossover notch at about zero crossing. Refer to diagram below.

Figure 1.



10. Adjust bias trimpot of amp being tested just past the point the crossover notch disappears. DO NOT OVER ADJUST as this will set the idle current too high and the power amp will overheat

11. Repeat procedure for other side.