

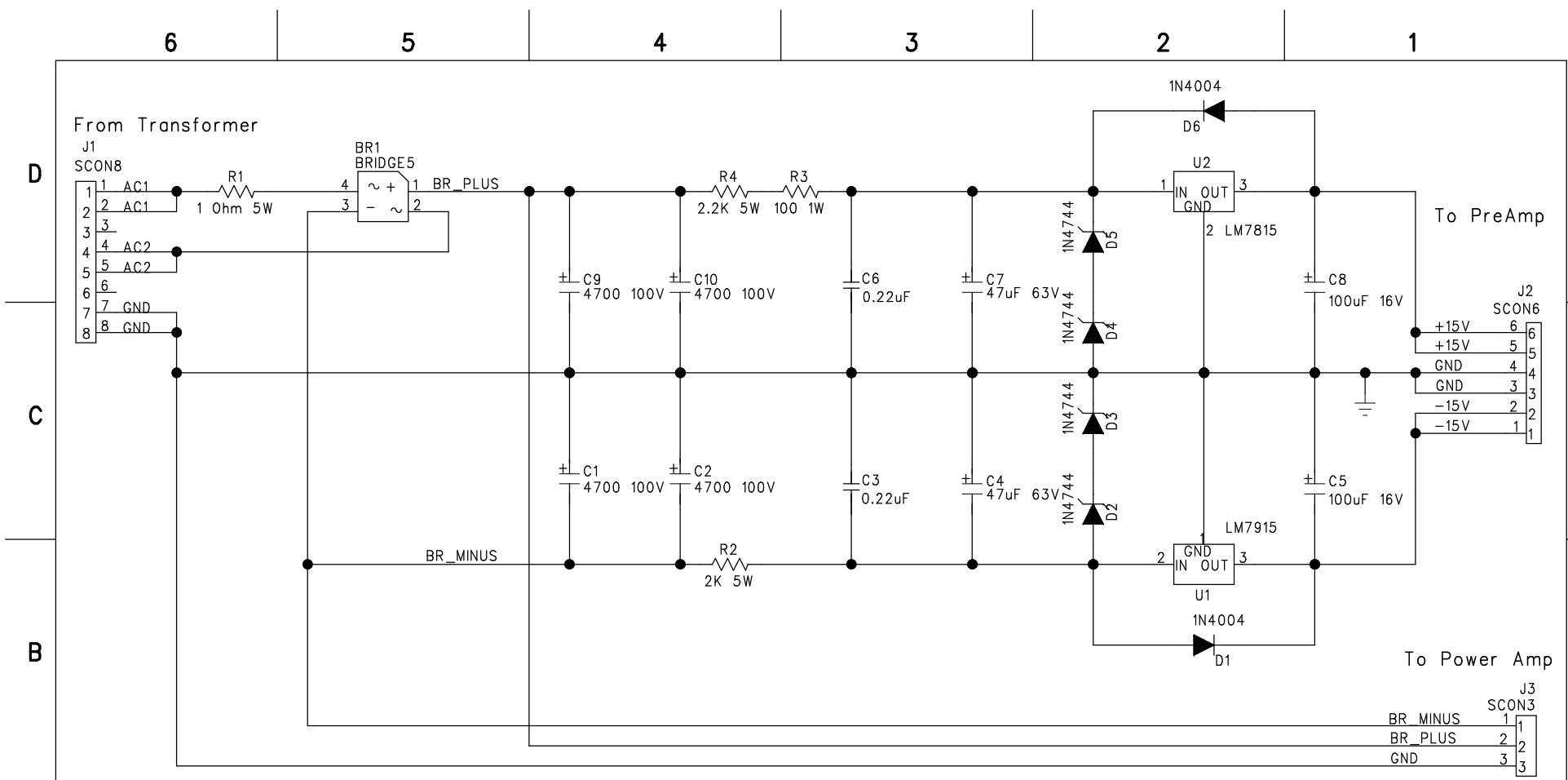
Q14 2N5416	Q3&Q7 2SC4382	Q6 MPSA56
	Q4 2SC3834	Q5&Q13 MPSA06
Bottom View	Q8 2SA1668	
	Q9-Q12 2SC3264	
	Q1&Q2 KTA-1268	
		All Others Front View

NOTES (Unless otherwise specified):
 1. All resistor in ohms, 1/4 watt, 5%
 2. PCB part # for all units is 170033B
 Module is 700051

SWR Sound Corp.

SWR750 - Power Amp Module

June 2002 Revision E Page 1 of 1



Please note:
 1. Unless otherwise notated, all resistors 5%
 2. PCB assembly part number: 170046B
 Bare PCB part number: 700064

SWR Sound Corporation	
Title: WorkingMan's 8004 - Power Supply PCB	Rev: c
Date/Filename: 26 June 2001 WM750ps_b.sch	
Last update: 26 June 2001 GMx	Sheet: 1 of 1

D

C

B

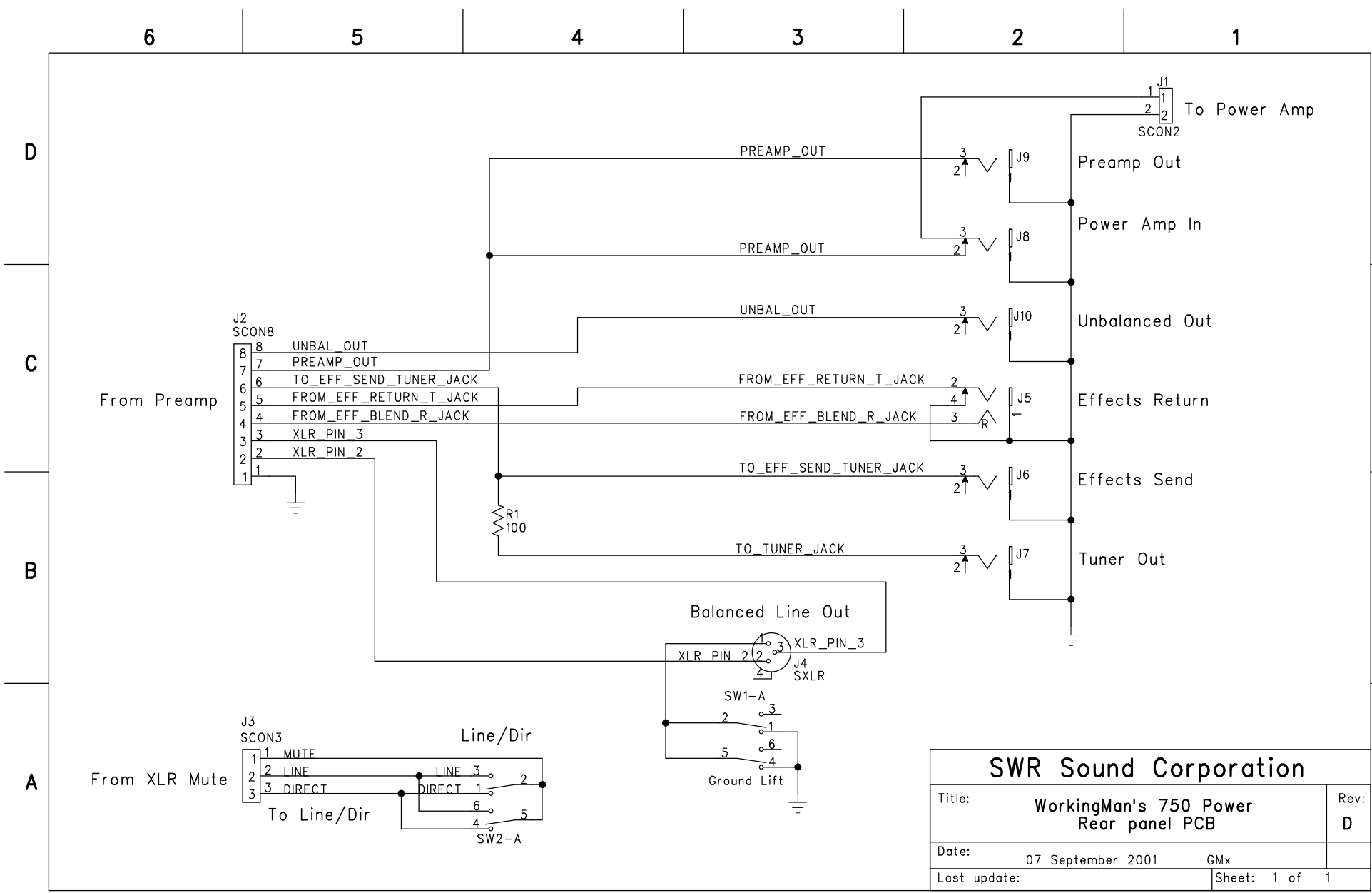
A

D

C

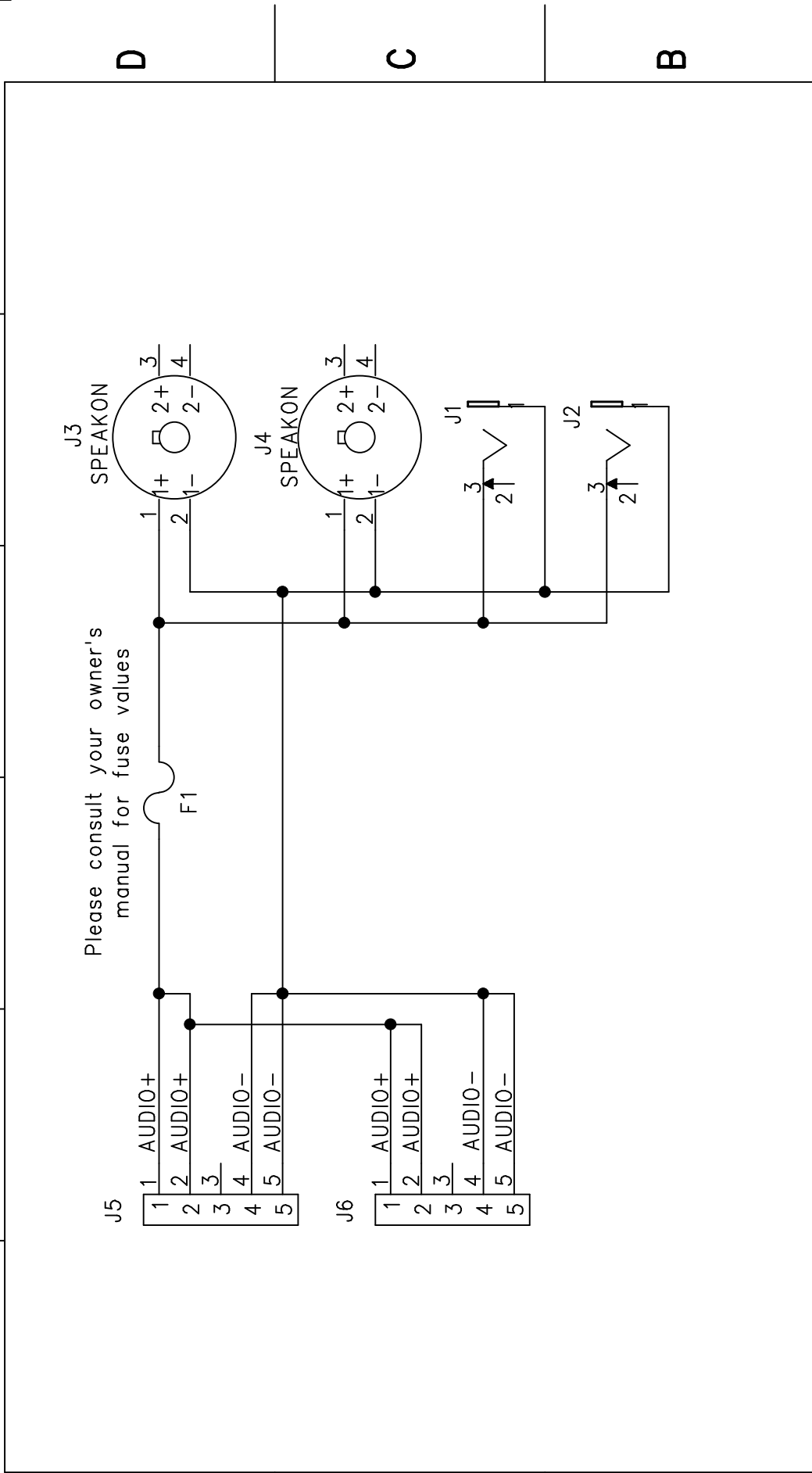
B

A



SWR Sound Corporation		
Title:	WorkingMan's 750 Power Rear panel PCB	Rev: D
Date:	07 September 2001	GMx
Last update:		Sheet: 1 of 1

6 5 4 3 2 1

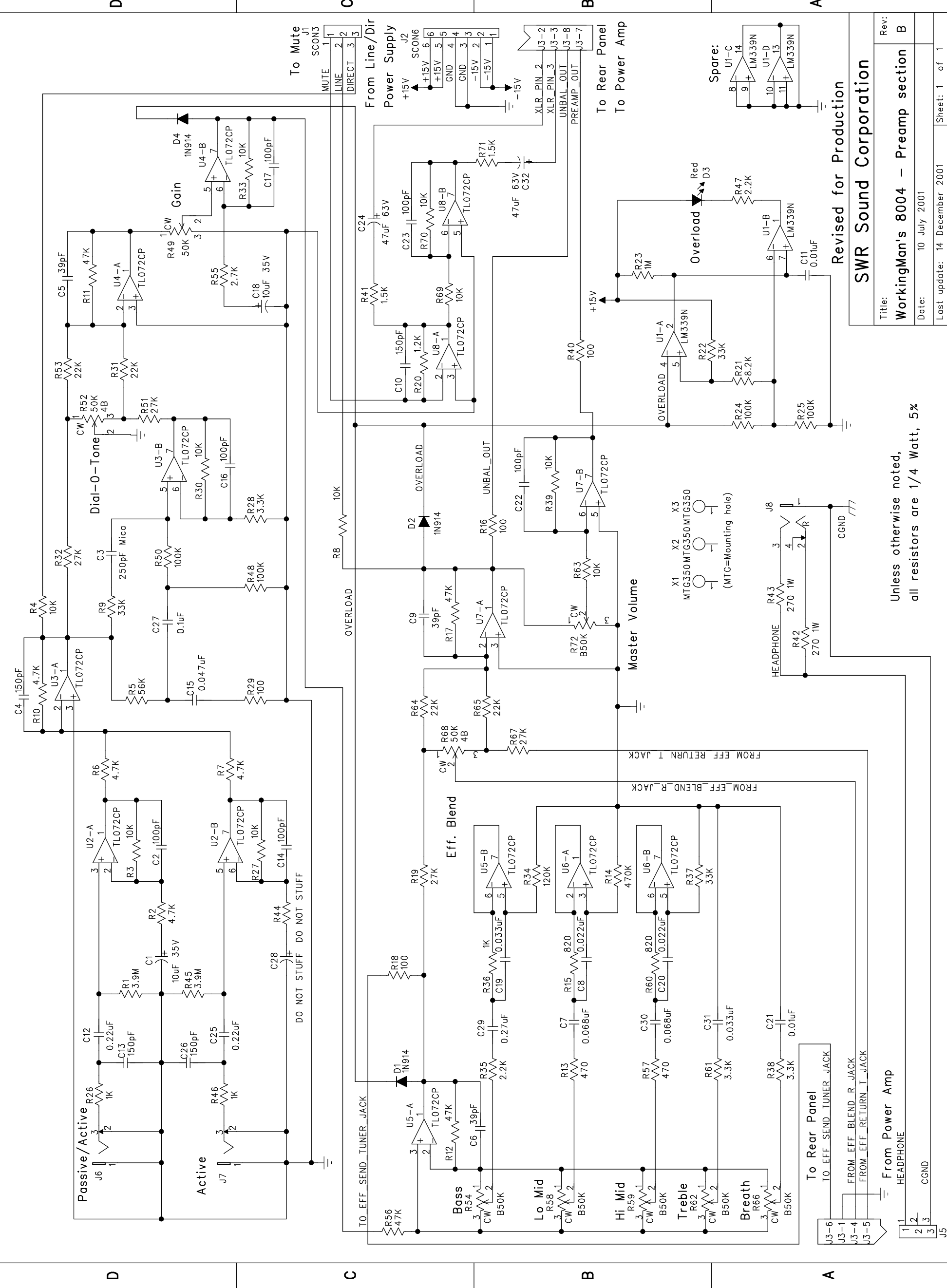


SWR Sound Corporation

PCB 170048A
Assy 700066

Title: Speaker Output PCB		Rev: A
Date: 19 June 2001		
Last update: 26 February 2003		Sheet: 1 of 1

6 5 4 3 2 1



Revised for Production
SWR Sound Corporation

Rev:	B
Title:	WorkingMan's 8004 - Preamp section
Date:	10 July 2001
Last update:	14 December 2001
Sheet:	1 of 1

Unless otherwise noted,
 all resistors are 1/4 Watt, 5%

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

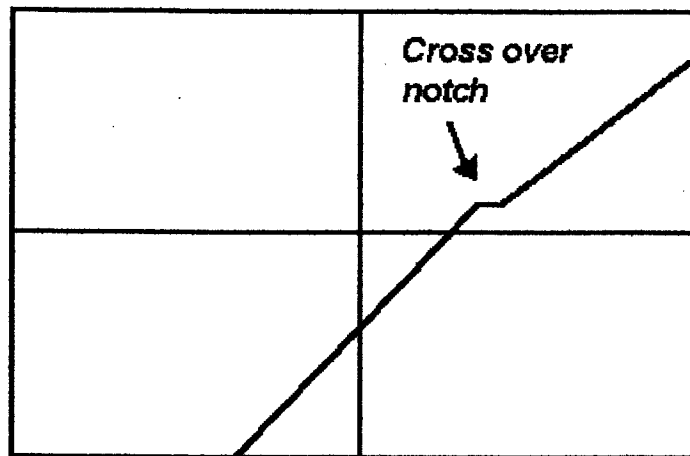
Equipment required:

**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.