



FUNCTION	GAIN / OUTPUT			TONE
	INPUT	FREQ.	SPEAKER OUTPUT	
CH1	8mV	1K	15VAC 8Ω	ALL FULL
CH1	18mV	1K	40VAC 8Ω-EL34	ALL FULL
CH2	20mV	1K	52 VAC 8Ω - NL	ALL CENTER
CH2	.3mV	1K	DRIVE STARTS TO CLIP	
REVERB REC.	18mV	1K	15VAC 8Ω NO LOAD	-15dB @ 100 Hz
REVERB DRIVE	20mV	1K	WITH 15VAC 8Ω NL	-14.2dB @ 100Hz
CH1 HI FREQ DRSE	VOL1 @ 2 ALL TONE FULL 26dB			
CH1 - VOL @ 2	5dB RISE FROM 1K TO 10K ALL TONE FULL			
	40dB RISE FROM 1K TO 10K MIDS OFF - BASS TREBLE FULL			
CH1 PRESENCE	9.5dB @ 10K 2.1K IN SERIES WITH 01 FEEDBACK			

Production Assembly Revision History

- (H1): Change H3 to a 4 pin Header ribbon.
 2. All PCB wire to get Solder Connects.
 3. Remove all unused parts.

- (S) ADDED AS SECONDARY OPERATION.
 4. ALL OPEN GROUNDS ARE (X) EXCEPT AS NOTED.
 3. ALL DIODES ARE TYPE 1N4003, EXCEPT AS NOTED.
 2. ALL CAPACITORS IN MICROFARADS, EXCEPT AS NOTED.
 1. ALL RESISTORS ARE 14W, EXCEPT AS NOTED.

NOTES UNLESS OTHERWISE SPECIFIED.

PROBLEM	INSPECTION FOR
BIAS SETS OK FOR POWER TUBES BUT CAN'T GET ANY SIGNAL FROM V5 TO V6-V9	H2A-1&2 SOLDER BRIDGE H2B-1&2 SOLDER BRIDGE
SQUARE WAVE OSCILLATOR AT SPKR OUT	H2B-1&2 PIN 142 REVERSED
NO AMP FEEDBACK - EXTREME GAIN	H3A-1 TO 4 PIN 1 REVERSED OR SOLDER BRIDGE
SELECT SWITCH DOES NOT WORK- NO VOLTAGE ON RELAY	H3B-1 TO 4

CARVIN 12340 WORLD TRADE DR. SAN DIEGO, CA 92128 (619) 487-1800 FAX 487-6629

VINTAGE 50
ALL TUBE GUITAR AMP

DRAWN BY: C. McEUVEN DATE: 2FEB94
 APPROVED: DATE:
 PCB NO: 30-77501 REV: E1
 ASSY. NO: 80-77501 REV: H1
 REVISED BY: C. McEUVEN DATE: 5DEC97

POWER: 3A SLOW BLOW 5mm x 20mm