



FUNCTION	GAIN / OUTPUT				
	INPUT	FREQ.	SPEAKER OUTPUT	TO NE	
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	56dB RISE FROM 1K TO 10K ALL TONE FULL				
CH1 PRESENCE	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 Gauge Corrects.
- 3. Remove all unused parts.

- 5. ADDED AS SECONDARY OPERATION.
- 4. ALL OPEN GROUNDS ARE \emptyset 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 H2B-1&2	SOLDER BRIDGE 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
SELECT SWITCH DOES NOT WORK- NO VOLTAGE ON RELAY	H3B-1 TO 4	SOLDER BRIDGE

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