





GAIN / OUTPUT			
FUNCTION	INPUT	FREQ.	SPEAKER OUTPUT TONE
CH1	8mV	1K	15VAC 8Ω ALL FULL
CH1	18mV	1K	40VAC 8Ω-EL34 ALL FULL
CH2	20mV	1K	52 VAC 8Ω - N/L 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 N/L -14.2dB @ 100Hz
CH1 HI FREQ RISE	(VOL1 @ 2)		ALL TONE FULL: 26dB
CH1 - VOL @ 2	26dB RISE FROM 1K TO 10K		ALL TONE FULL
	40dB RISE FROM 1K TO 10K		MIDS OFF - BASS TREBLE FULL
CH1 PRESENCE	9.5dB @ 10K 2.2K IN SERIES WITH .01 FEEDBACK		

### Production Assembly Revision History

- (H1) 1. Change H3 to a 4 pin Header ribbon.  
 2. All PCB wire to get Spade Connects.  
 3. Remove all unused parts.

5. ADDED AS SECONDARY OPERATION.  
 4. ALL OPEN GROUND ARE (A) EXCEPT AS NOTED.  
 3. ALL DIODES ARE TYPE 1N4003, EXCEPT AS NOTED.  
 2. ALL CAPACITORS IN MICROFARADS, EXCEPT AS NOTED.  
 1. ALL RESISTORS ARE 1/4W, EXCEPT AS NOTED.

NOTES UNLESS OTHERWISE SPECIFIED.

PROBLEM	INSPECTION FOR	
BIAS SETS OK FOR POWER TUBES BUT CANT 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 1&2 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

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## CARVIN

### VINTAGE 50

ALL TUBE GUITAR AMP

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