



GAIN / OUTPUT				
FUNCTION	INPUT	FREQ.	SPEAKER OUTPUT	STONE
CH1	8mV	1K	15VAC 8%	ALL FULL
CH1	18mV	1K	40VAC 8%-EL34	ALL FULL
CH2	20mV	1K	52 VAC 8% - N/L	ALL CENTER
CH2	.3mV	1K	DRIVE STARTS TO CLIP	
REVERB REC.	18mV	1K	15VAC 8% NO LOAD	-15dB @ 100 Hz
REVERB DRIVE	20mV	1K	WITH 15VAC 8% 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	

- CHANGES FROM revH to rev I:
1. CHANGED PCB WIDTH TO STANDARD 6.175"
 2. ADDED BREAK-AWAY TO CONNECT POWER SWITCH AND AC RECEPTICAL
- CHANGES FROM revG to rev H:
1. CHANGED D100 POWER LED SUPPLY VOLTAGE PT.
- CHANGES FROM revF to revG:
1. REMOVED R47, R48 LINKS.

Production Assembly Revision History

- (H) 1. Revised PCB to Rev (E), Fixed tube arc problem.
 2. Removed F2, Replaced F1, F3 with Fuse Link resistors.
 3. Changed phone jacks to Rean type.
- (I) 1. Revised GND pad J2-J5, SPK1, SPK2
 2. Added parallel spade connectors QC10, QC11
- [5] ADDED AS SECONDARY OPERATION.
 4. ALL OPEN GROUNDS 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 H2A-1&2	SOLDER BRIDGE
CANT GET ANY SIGNAL FROM V5 TO V6-V8B-1&2	SOLDER BRIDGE
SQUARE WAVE OSCILLATOR AT SPKR OUTPUT	PIN 1&2 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

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CARVIN

VINTAGE 50

ALL TUBE GUITAR AMP

DRAWN BY:	C. McEUEN	DATE:	2FEB94
APPROVED:		DATE:	
PCB NO:	30-77501	REV:	I
ASSY. NO:	80-77501	REV:	I
REVISED BY:	M. OTAVKA	DATE:	5DEC05

GEORGE DREYER 20CT07

Capacitor changes to correct for power amp oscillations:
 C34 changes from 56pF to 120pF
 C71 Added in Secondary across R71 value of 120pF