



BIAS CALIBRATION PROCEDURE

- 1) CONNECT 8 OHM LOAD RESISTOR (100W MIN.) TO SPEAKER OUTPUT JACK.
- 2) CONNECT SIGNAL GENERATOR (1kHz SINE WAVE) TO EFFECTS RETURN JACK.
- 3) ADJUST BIAS CONTROL FOR SLIGHT CROSSOVER DISTORTION.
- 4) SET BIAS VOLTAGE FOR EL-34 POWER TUBES BETWEEN -45 AND -42V.
- 5) SET BIAS VOLTAGE FOR 6550 POWER TUBES BETWEEN -55 AND -50V.
- 6) MAXIMUM CURRENT DRAW AT IDLE SHOULD NOT EXCEED 1 AMP.

NOTES

- 1) CAUTION: SHOCK HAZARD !! THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/2W-1% TOL. CAPACITOR VALUES IN MICROFARADS, 400V-5% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- 4) CIRCUIT GROUND ∇ SWITCH GROUND ∇ CHASSIS GROUND ∇

CAUTION:

THIS SCHEMATIC IS PROVIDED FOR USE BY QUALIFIED PERSONNEL. TO AVOID RISK OF ELECTRIC SHOCK, REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DO NOT PERFORM ANY SERVICING BEYOND THAT EXPLAINED IN THE OPERATING INSTRUCTIONS.

PART	DESC.	PART NO.
V1, 2	8 PIN	17-450-08
V3	9 PIN	17-450-09
AP1	200 OHM	71-201-11
SW1	SWITCH	88-220-01
J1	9 PIN	17-310-09
J2, 3	250 FASTON	17-836-01
J4, 5	187 FASTON	17-894-01
J6	5 PIN	17-310-05
J7	2 PIN	17-310-02

REV	DATE	BY	CHK'D	DESCRIPTION
3				
2				
1	05-26-92	B.C		ADD BIAS CALIBRATION PROCEDURE

SIGNATURES:		DATE:	
DRAWN: S.R.		2-21-91	
CHK'D: L JACKSON	06/03/91	PROJECT NAME: VL-501/502	
APP'D: L JACKSON	06/03/91	DRAWING NAME: TUBE BD. SCHEMATIC	
ORIGINAL ISSUED:	06/03/91	DRAWING NO. 07S490-01	
PLOT DATE:	05/26/92	SCALE: NONE SHEET: 1 of 1	
PLOT TIME:	13:04:18		
FILE NAME:	S490011		