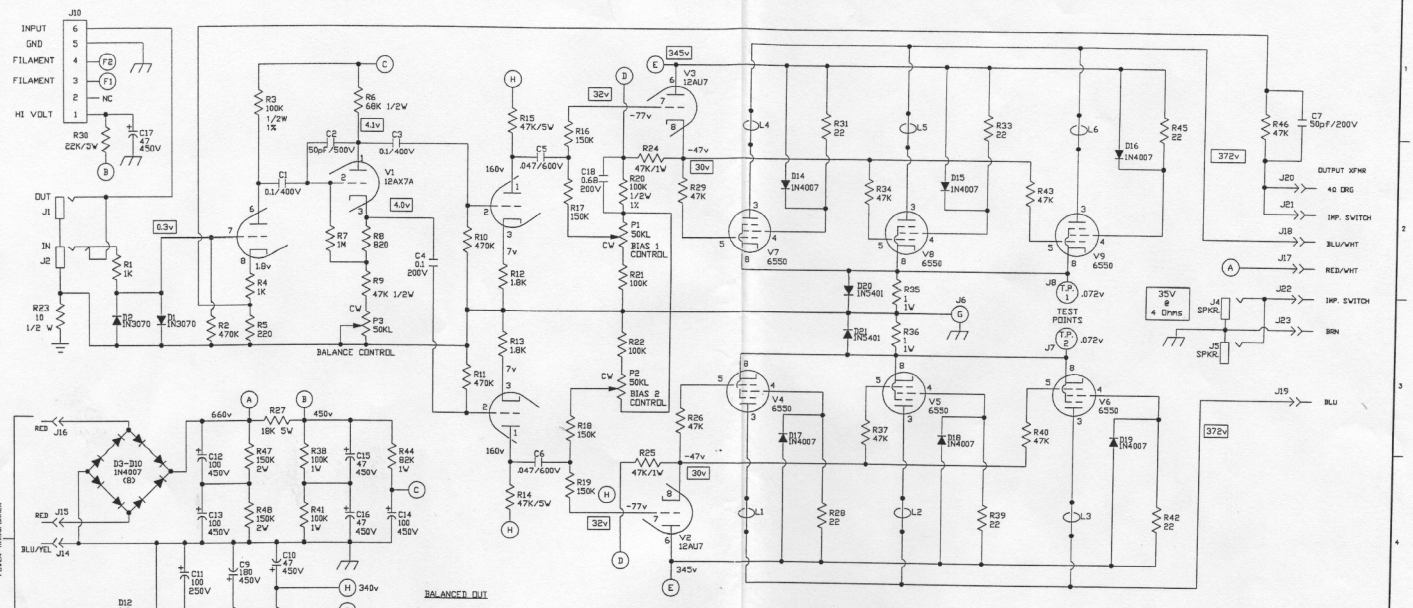

CAUTION:

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.

PARTIAL PARTS LIST: #07-419-02

DESIGNATOR	DESCRIPTION	SLM PART #
L1-L6	FERRITE BEAD	94A001-01
V1	12AX7	97-927-01
V2,V3	12AU7	95-126-01
V4-V9	6550	97-950-01
P1-P3	50KL	70-503-20
P4	100 WW	70-101-21
J1,J2	1/4" JACK	39-116-01
J3	XLR MALE	39-308-21
J4,J5	1/4" JACK	39-116-01
J6-J8	PIN JACK	39-403-01
J9	2 PIN HDR	17-310-02
J10	6 PIN HDR	17-311-06
J11-J23	.250 TAB	17-836-01
J24-J26	9 PIN SOCKET	17-450-09
J27-J32	8 PIN SOCKET	17-450-08
J33	2 PIN HDR	17-311-02
(3)	HEX STANDOFF	85-065-01
(12)	HEX STANDOFF	85-133-01
(15)	SCREW	30-638-53
(1)	PCB	06A419-02
(1)	PLATE	51-406-71
(12)	SCREW	30-637-01

CALIBRATION PROCEDURES:

1. Connect a 4 ohm load resistor capable of dissipating 350 watts to one speaker output jack. Set impedance Selector switch to 4 ohms.
2. Output stage bias current adjustment. A) Adjust VR1 for +.072 volts DC between T.P. 1 and ground. B) Adjust VR2 for zero ±.01 volts between T.P. 1 and T.P. 2.
3. Phase inverter balance control adjustment. A) Harmonic distortion meter method: Drive amplifier to 25 volts RMS out at 40 Hz and connect distortion meter to load resistor, adjust VR3 for minimum distortion. B) Voltmeter method: Adjust output as in step 3A and connect DC voltmeter between test points T.P. 1 and T.P. 2, adjust VR3 for zero ±.01 volts.

NOTES:

1) 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, 1/4w-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50v-10% TOL.

3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
VOLTS IN RECTANGLES ARE RMS SIGNAL VOLTAGES WITH 0.3V 1KHZ @ J2
OTHER VOLTAGES ARE DC WITH NO SIGNAL.

REV	DATE	BY	CHK'D	DESCRIPTION
3	3/19/92	SWR		ADDED TR1 & C18, RENUMBERED RESISTORS. CHANGED BIAS CIRCUIT.
2	4/8/92	SWR		REPLACED R27,R30,R33,R38,R41,R44 WITH FERRITE BEAD (L1-L6). CHG'D R35,R36 TO 1/2W. ADDED D20,D21
A	11/8/91	SWR		CHANGED VALUE OF C7 FROM 100pf/200V TO 50pf/250V. ADDED C18 50pf/500V

SIGNATURES:	DATE:	
DRAWN: ML	2-1-91	TUBE BOUTIQUE DR. ST. LOUIS, MISSOURI 63146
CHK'D: G.M.	02/15/91	PROJECT NAME:
APP'D: G.M.	02/15/91	SVT-II PWR AMP
ORIGINAL ISSUED:	02/15/91	DRAWING NAME:
PLOT DATE:	07/22/92	SCHEMATIC
PLOT TIME:	10:04:09	DRAWING NO. 07S419-02
FILE NAME:	S419023	SCALE: NONE SHEET: 1 of 1