

SERVICE COPY

T.P.	D.C. VOLTAGE NO SIGNAL (V)	SIGNAL CHANNEL 1 ACTIVE (V-P-P) 3 mV RMS INPUT	SIGNAL CHANNEL 2 ACTIVE (V-P-P) 0.5 mV RMS INPUT
1	190	0.3	.05
2	190	1.6	0.3
3	165	0.9	5.2
4	135	10	30
5	345	32(2.7 @ 1500HM LOAD)	
6	135	3 (V/60mV RMS @ REV RTN)	
7	115	1.8	
8	210	8.4	1.8
9	235	105	105
10	0	0.1VDC REVERB OFF, 25VDC REVERB ON	72
11	-	20VDC	0.1VDC
12	-	0.1VDC	25VDC
13	-	-	-

1 KHZ SIGNAL AS ABOVE @ INPUT, ALL CONTROLS @ '10' EXCEPT REVERB & PRESENCE @ '0' BRIGHT & BOOST @ 'OUT' 8 OHM LOAD, 150 OHM LOAD ON REVERB.

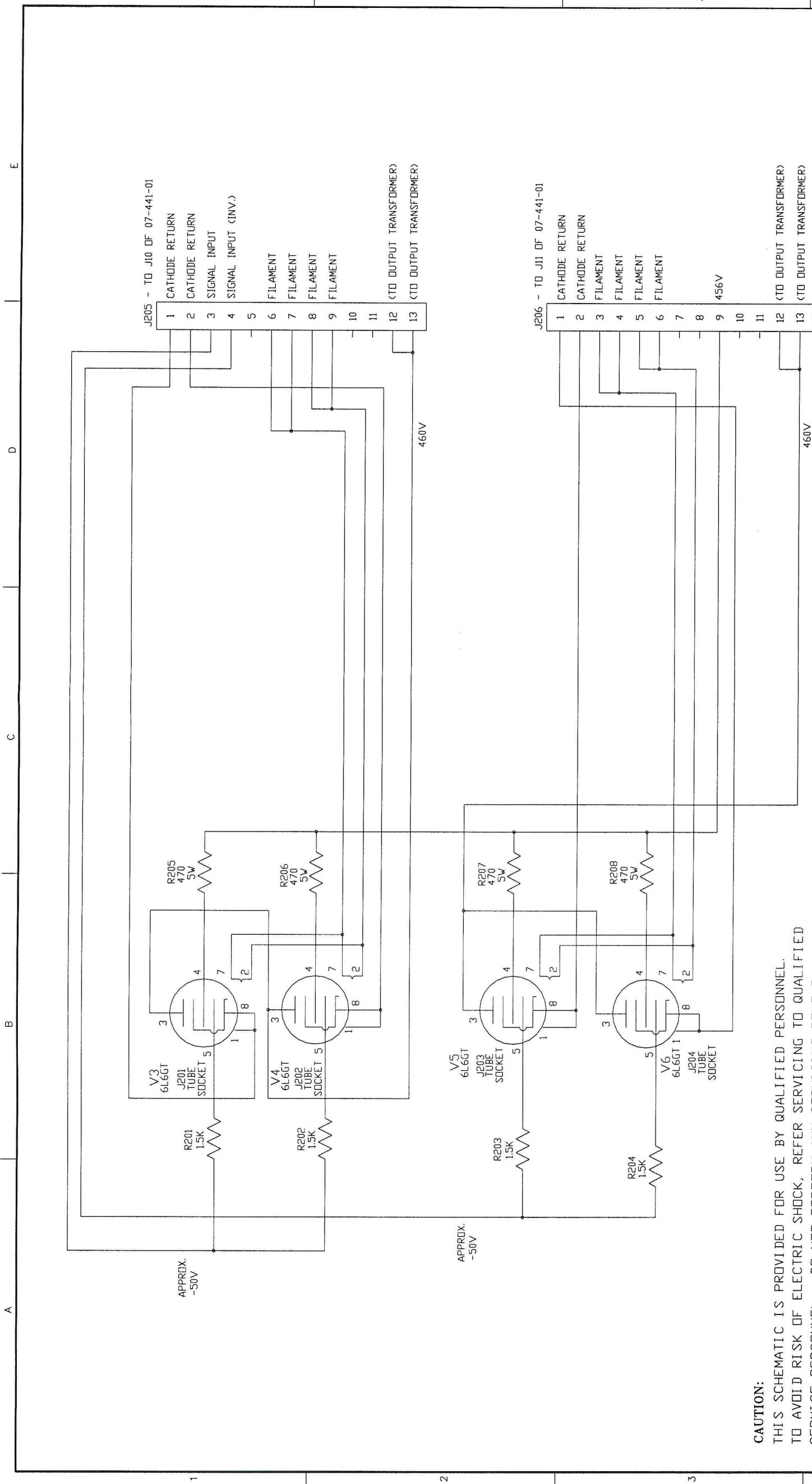
- NOTES:
- CAUTION: SHOCK HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
 - UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
 - ALL PARTS WERE OBTAINED FROM THE FOLLOWING SOURCES: 1) 10 KHZ DIGITAL OSCILLOSCOPE
 - DESIGNATORS NOT USED: C18, C28, C30, C44, ALL OPTS., R69
 - CHASSIS GND //777 AUDIO GND

REV	DATE	BY	CHK'D	DESCRIPTION
9				
8				
7	09/08/97	SWR		CHANGED NOTE #6 (SHEET 2 OF 2). PER ECO #970453.
6	08/11/97	DDA		MADE CHANGES PER MARKUP PER #9707404.
5	06/27/97	SWR		CHANGED VALUE OF C8, C30 & R15. CORRECTED VALUE OF C31 & C32. PER ECO #9703378.
4	06/12/97	SWR		CHANGED R62, R100, R103, R109, R110, R113, R114. REDONE IN AUTOCAD. PER ECO #9703325.
3	04/23/97	SWR		CHANGED R115 PER ECO #9700886.
2	04/02/97	SWR		MULTIPLE CHANGES PER ECO #9701333.
1	01/03/97	REM	GM	NO CHANGE REV'D TO MATCH PICT PER E970010

SIGNATURES:	DATE:	DESCRIPTION
DRAWN: REM	10/01/96	
CHK'D: GM	10/01/96	
APP'D: GM	10/01/96	

ORIGINAL ISSUED:	DATE:	DRAWING NAME:
10/01/96	10/01/96	TV-120
PLOT DATE:	09/08/97	GUITAR AMP SCHEMATIC
PLOT TIME:	13:58:40	
FILE NAME:	29651R7	
SCALE:	1:1	SHEET: 1 OF 2
DRAWING NO.:	07-296-51	REV 7

1980 BORNMAN DR.
ST. LOUIS, MISSOURI
63148



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.

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, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- 4) CHASSIS GROUND

SIGNATURES:	DATE:	 11880 BURMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: JCJ	07/17/95	
CHK'D: GM	10/10/95	PROJECT NAME: V-4BH / TV-120
APP'D: GM	10/10/95	DRAWING NAME: TUBE BD. SCHEMATIC
ORIGINAL ISSUED:	10/10/95	DRAWING NO. 07S295-21
PLOT DATE:	10/10/95	REV. -
PLOT TIME:	14:59:44	SCALE: 1:1
FILE NAME:	29521HO-	SHEET: -