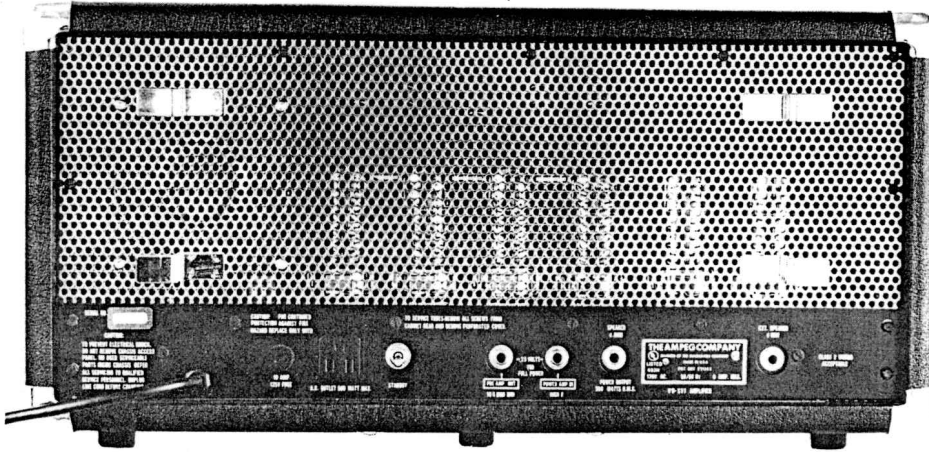


SVT Amplifier



SVT Amplifier Specifications

Power Output:

300 watts RMS minimum continuous at less than 3% total harmonic distortion (T.H.D.) into a 4 or 2 ohm load over the 20 to 20,000 Hertz band

Front Panel:

Two channels

Channel 1:

Volume control
Treble, midrange, bass controls
Two-position ultra-hi switch
Three-position ultra-lo switch

Channel 2:

Volume Control
Treble and bass controls
Two-position ultra-hi switch
Two-position ultra-lo switch

Hum balance control (on power amp chassis behind grille cloth)

Power switch

Pilot light

Rear Panel:

Two 4 ohm speaker jacks with automatic impedance switching

Accessory outlet

Patching jacks (in and out)

Standby switch

Cooling fan

Four cord winders

15-foot three-wire line cord (4.6 m.)

Tone Control Range:

Treble ± 12 dB @ 4,000 Hertz

Bass ± 12 dB @ 40 Hertz

Midrange ± 20 dB @ 220, 800 or 3,000 Hertz

Ultra-Hi + 20 dB @ 8,000 Hertz (dependent on volume control position)

Ultra-Lo -20 dB @ 40 Hertz

Ultra-Lo Boost -20 dB @ 600 Hertz

Signal to Noise Ratio (S/N):

-80 dB below full power

Frequency Response (1 watt):

± 1 dB at 20 to 20,000 Hertz

Sensitivity:

Input sensitivity for channels 1 and 2 is .019 volts for full power.

Channel 1 and 2 input impedance is 5.6 megohms.

Patching Facilities:

Power amplifier jack is high impedance with .25 volts for 300 watts.

Preamplifier output jack is 10K ohms.

Tube Complement:

Two 12AX7A/Two 12BH7A/Three 12DW7/One 6C4WA/Six 6550

Power Supply Requirements:

(Standard) 100-130 volts 50-60 Hz. 6 amps

(Export) 200-260 volts 50-60 Hz. 3 amps

Power consumption 570 watts at rated output.

Safety Approvals:

Underwriters' Laboratories (UL)
Canadian Standards Association (CSA)

Chassis Construction:

1/16" reinforced steel chassis, enclosed for radio frequency (RF) rejection

Patented extruded aluminum front panel

Decorative front and rear overlays

Six output tube retainers

Three service access covers

Cabinet Construction:

3/4" solid jointed core 7-ply plywood
Dovetail corner construction

Six chrome corners

Ventilating rear cover and front baffle

Two flush mounted strap handles

Heavy duty vinyl covering

Weight:

85 lbs. (39 Kg.)

Dimensions:

23 5/8" W x 11" H x 14" D

65 cm. x 23 cm. x 36 cm.

Recommended Speaker Enclosure Options:

Two SVT enclosures

Two Altec-equipped V-2 enclosures (speaker Y-adapter required)

Two G-60 enclosures (speaker Y-adapter required)

Two V-6B enclosures (Altec speakers optional)

Two Altec-equipped B-25B enclosures (speaker Y-adapter required)

Four Altec-equipped B-15S enclosures (2 speaker Y-adapters required)

Four B-40 enclosures (2 speaker Y-adapters required)

Two Altec-equipped B-40 enclosures (speaker Y-adapter required)

Two V-6 enclosures (speaker Y-adapter required)

One or two V-9 enclosures



BOX 310 / ELKHART, INDIANA 46514

Recommended Usage:

Bass, Guitar, Keyboard, Synthesizers

Optional Equipment:

Vinyl cover

Model 8820 A/B Footswitch

Model 8812 Master Volume Control

SVT Speaker Enclosure Specifications

Power Handling:

240 watts RMS per enclosure

Impedance:

4 ohms

Enclosure Design:

Totally sealed infinite baffle (four compartments with two speakers per compartment)

Speaker Complement:

Eight 10" speakers with 2" voice coils and 30 oz. ferrite magnets

Enclosure Construction:

3/4" solid jointed core 7-ply plywood

Interlock construction joining top, bottom, sides and baffle

Front mounted speakers

Removable grille frame

Mounted wheels and bar handle

Heavy duty vinyl covering

Phone jack

7-foot speaker cable

Amplifier stacking hardware

Weight:

137 lbs. (62 Kg.)

Dimensions:

26" W x 48 1/4" H x 15 7/8" D

66 cm. x 123 cm. x 40.2 cm.

Recommended Amplifiers:

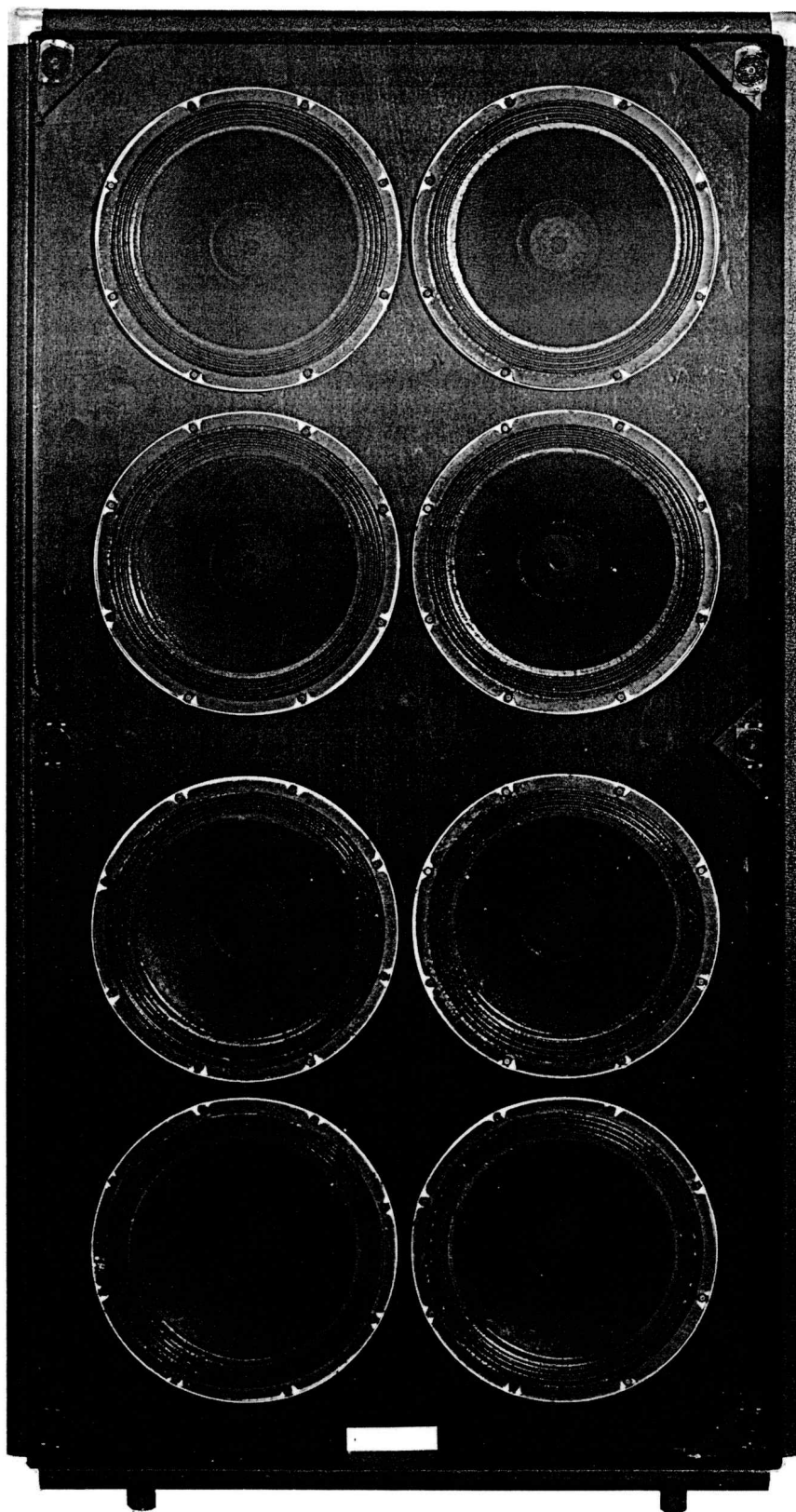
SVT, V-9, V-6B, V-2, V-4, V-4B

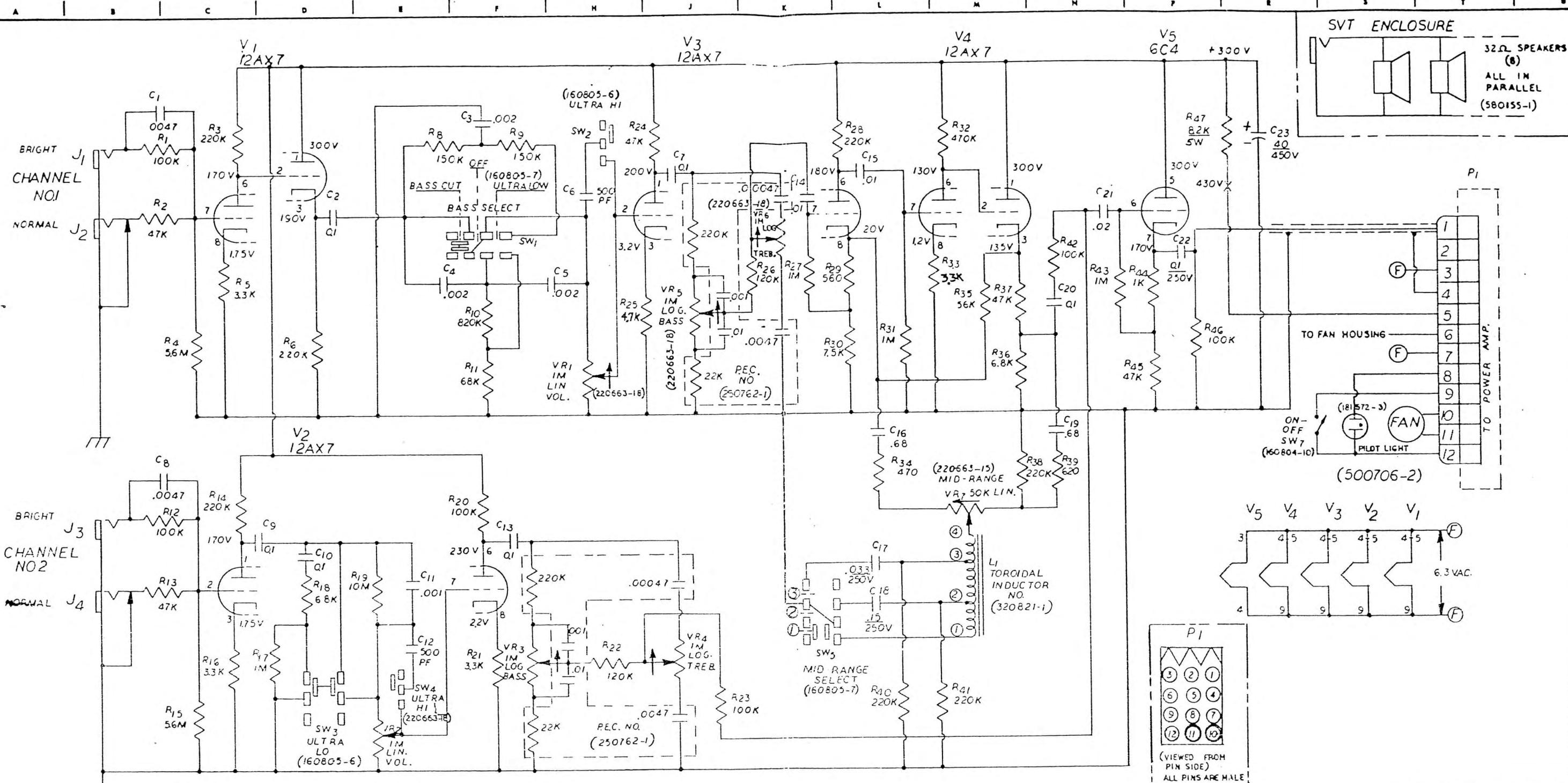
Recommended Usage:

Bass.

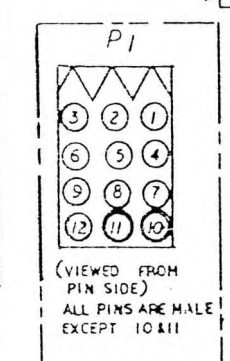
Optional Equipment:

Vinyl cover





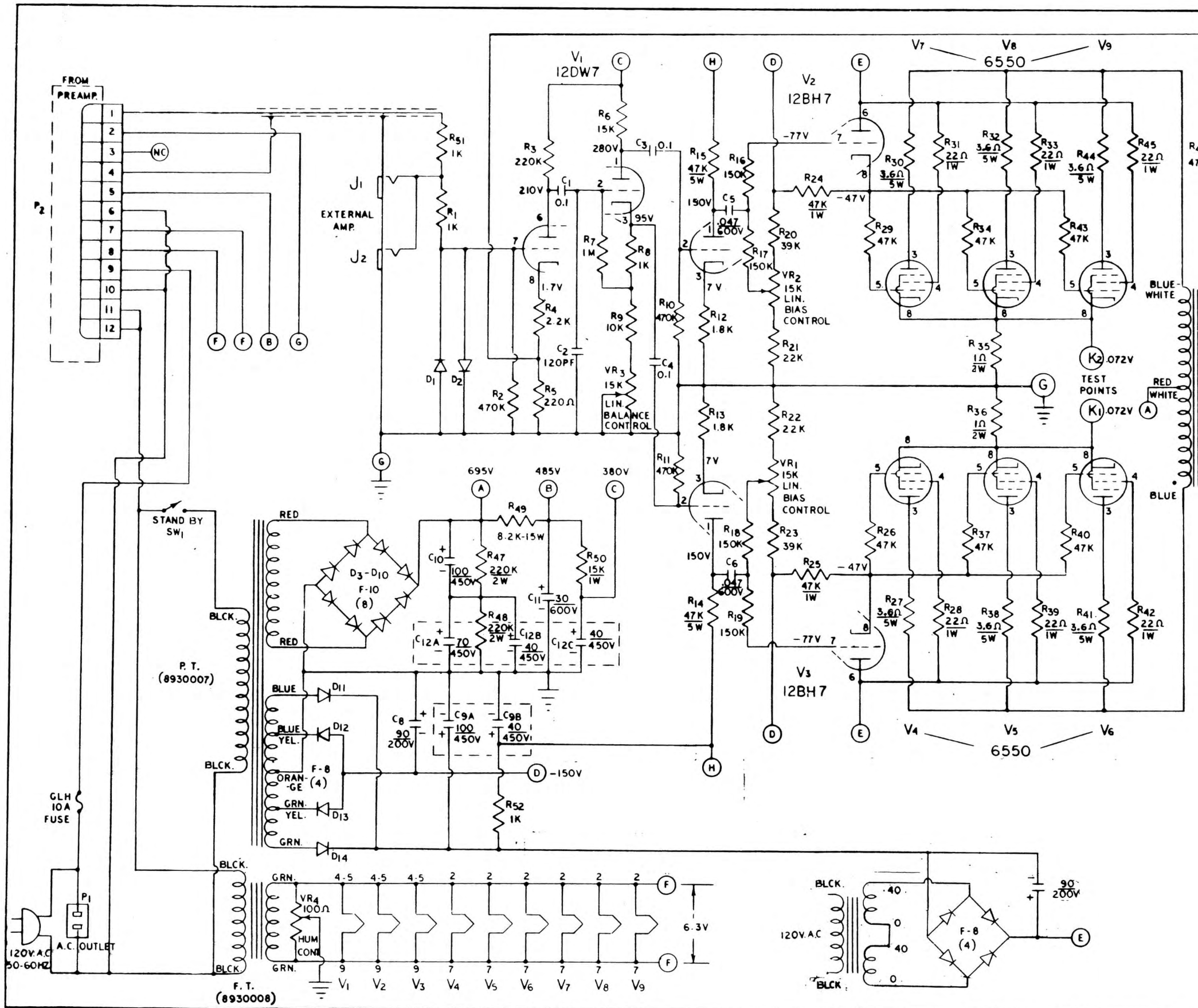
NOTES - ALL RESISTORS IN OHMS \pm 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400V UNLESS OTHERWISE SPECIFIED.
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 OHM PER VOLT VOLTMETER.
 - NUMBERS IN PARENTHESES REFER TO



7x10 ¹⁵ /16	591719-2
7x10 ¹⁵ /16	591719-1
SIZE	PART NO.

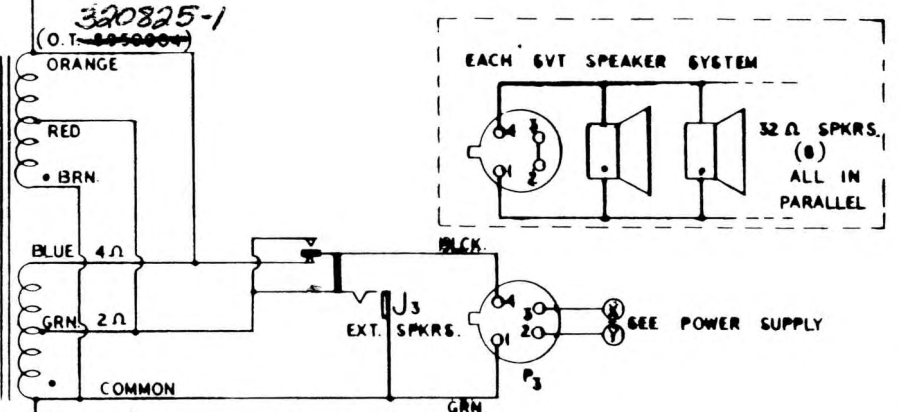
Drawn, Rev. Pict. 1/2/75
 100 S.M.A. Inc. 30 N. 61-1
 ADD S.M.A. Part numbers,
 REVISE P1 SKETCH (REV)
 PINS #3 & #5 EXCHANGED
 ECN - P5517 1/2/75

ADDITIONAL SPECIFICATIONS	MATERIAL	TOLERANCES - UNLESS OTHERWISE SPECIFIED		THE AMPEG COMPANY	
		DECIMALS	FRACTIONS	DATE	SCALE
		X	UP TO 6	1/64	
		XX	6 TO 24	1/32	
		XXX	ABOVE 24	1/16	
		THREDS - CLASS 2		CONCENTRICITY	
		FIT AFTER PLATING		RIG IDL	
		MACHINE FINISHES		ANGULAR TOL \pm 1/2°	
		DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ON DRAWING		DO NOT SCALE DRAWING	
SIGNATURE		DATE		PROJECT NO.	
DR. P. REISHER		5-7-75		591719	
CHK. W. HARRIS		12-8-75		SCALE	
EMC. T. R.		5-20-80		SCALE	
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				D 591719	



NOTES

- ALL RESISTORS 1/2W 10% UNLESS OTHERWISE SPECIFIED.
- ALL CAPACITORS IN MFD. & 400V UNLESS OTHERWISE SPECIFIED.
- D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 Ω PER VOLT METER.
- NUMBERS IN PARENTHESIS REFER TO AMPEG'S PART NO.
- WHEN P₂ CONNECTOR (PREAMPLIFIER) IS DISCONNECTED VOLTAGE AT POINT "B" WILL RISE TO 600 VOLTS.
- CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.



CALIBRATION PROCEDURE

- CONNECT A 4 OHM LOAD RESISTOR TO PINS 1 & 4 AND SHORT PINS 2 & 3 OF CONNECTOR P₃ (X.Y).
- OUTPUT STAGE BIAS CURRENT ADJUSTMENT. (THE BIAS CAN BE ADJUSTED BY REMOVING THE HEAD CABINET BAFFLE. USE A LONG ROD AND TAP THE BAFFLE FREE FROM THE HEADLOCK RETAINERS. GAIN ACCESS FROM THE REAR OF THE CABINET BY USING THE SPACE AVAILABLE THROUGH THE COOLING FAN BLADES.)
 - ADJUST VR₁ FOR ±0.72 VOLTS D.C. BETWEEN K₁ AND GROUND.
 - ADJUST VR₂ FOR ZERO ±0.01 VOLTS BETWEEN K₁ AND K₂.
- PHASE INVERTER BALANCE CONTROL ADJUSTMENT.
 - HARMONIC DISTORTION METER METHOD. DRIVE AMPLIFIER TO 25 VOLTS R.M.S. OUT AT 40 HZ AND CONNECT DISTORTION METER TO LOAD RESISTOR ADJUST VR₃ FOR MINIMUM DISTORTION.
 - VOLT METER METHOD. ADJUST OUTPUT AS IN STEP 3-A AND CONNECT D.C. VOLT METER BETWEEN TESTING POINTS K₁ & K₂, ADJUST VR₃ FOR ZERO ±0.01 VOLTS.

* THE LOAD RESISTOR SHOULD BE ABLE TO DISSIPATE THE FULL POWER OF THE AMPLIFIER, OR 330 WATTS.

POST OFFICE BOX 818
LINCOLN, NEW JERSEY 07036

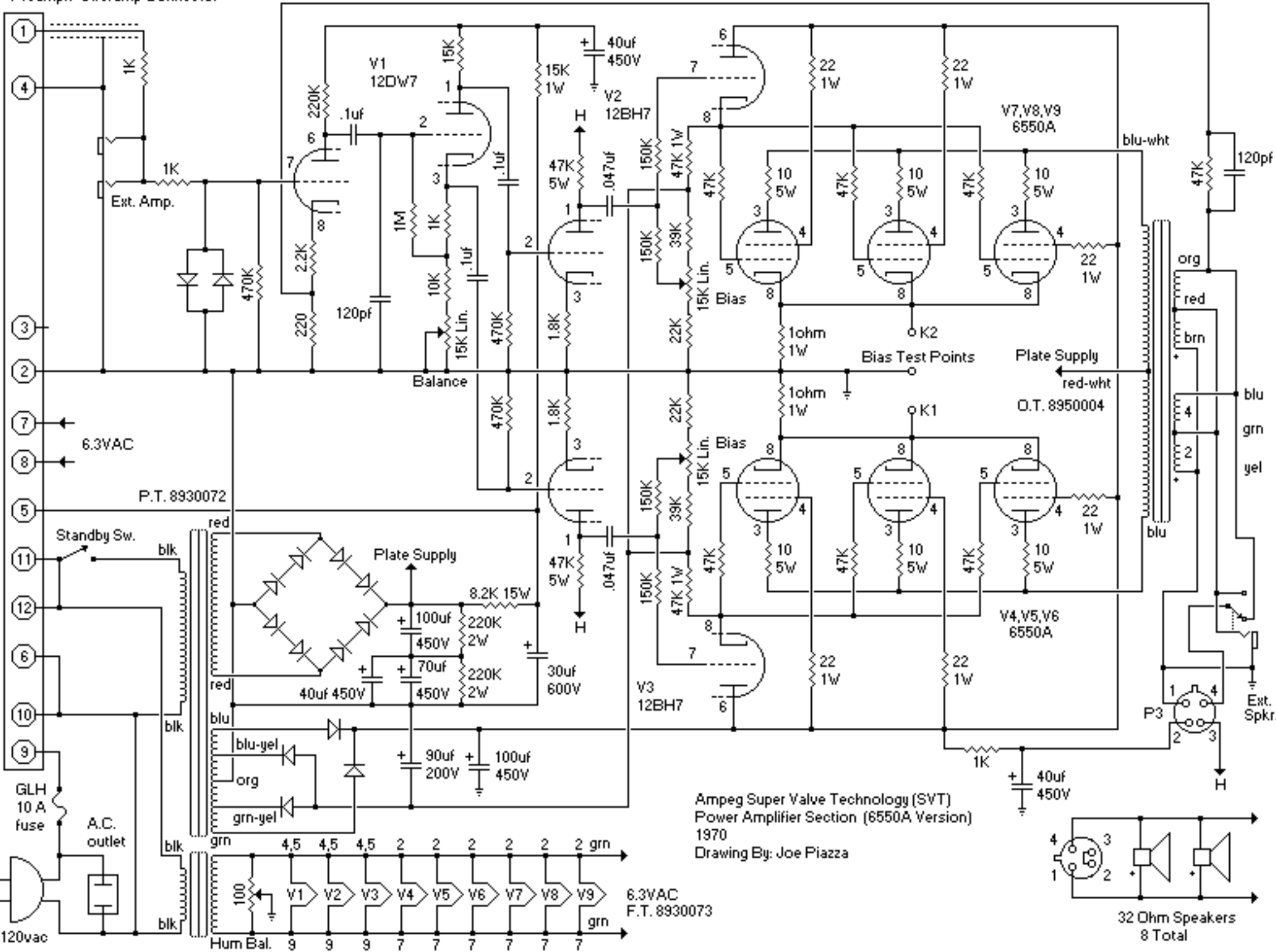
ampeg

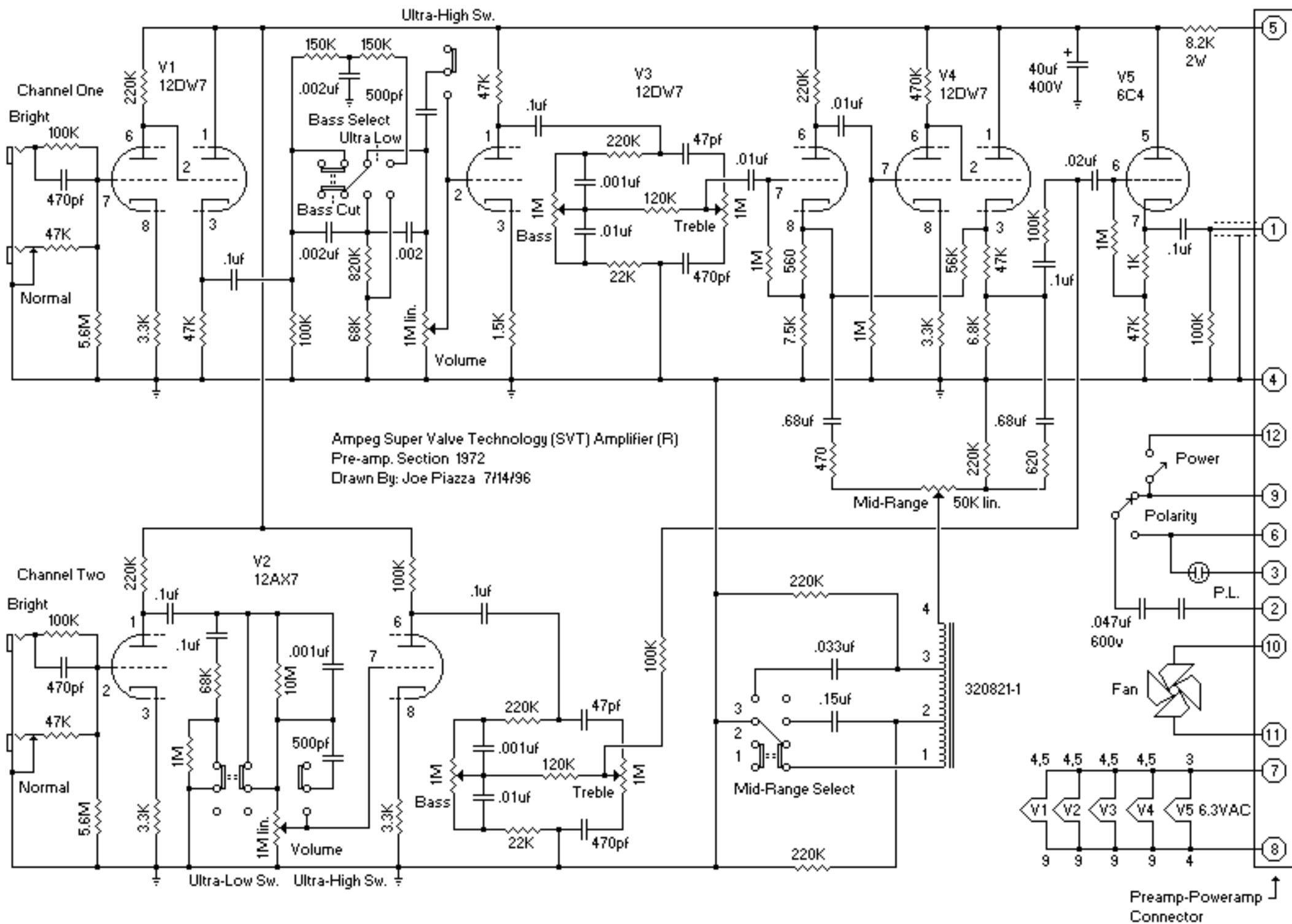
MODEL SVT POWER AMPLIFIER (6550 - OUTPUT TUBES)

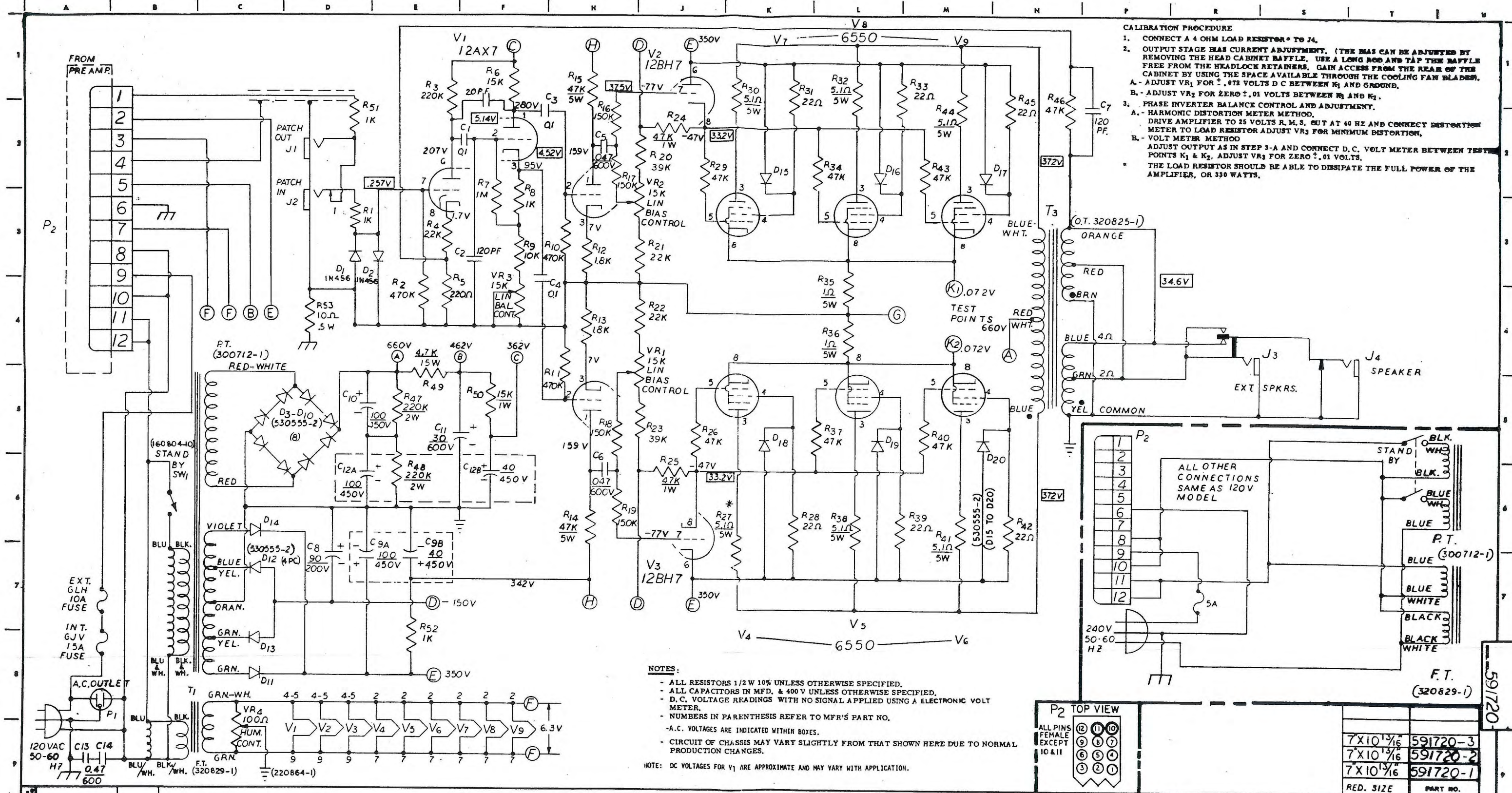
DRN. BY	DATE	DWG. NO.	PART NO.	REV.
S.C.	1070	05800	4010256	A-1

591720-1

Preamplifier/Poweramp Connector







CALIBRATION PROCEDURE

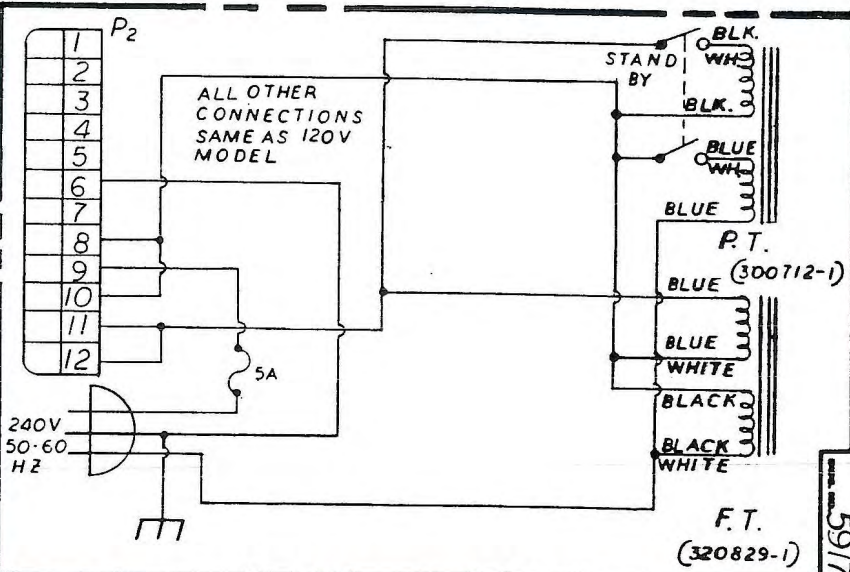
- CONNECT A 4 OHM LOAD RESISTOR* TO J4.
- OUTPUT STAGE HAS CURRENT ADJUSTMENT. (THE HAS CAN BE ADJUSTED BY REMOVING THE HEAD CABINET RAFFLE. USE A LONG ROD AND TAP THE RAFFLE FREE FROM THE HEADLOCK RETAINERS. GAIN ACCESS FROM THE REAR OF THE CABINET BY USING THE SPACE AVAILABLE THROUGH THE COOLING FAN BLADES.)
 - ADJUST VR₁ FOR ±.075 VOLTS D.C. BETWEEN K₁ AND GROUND.
 - ADJUST VR₂ FOR ZERO ±.01 VOLTS BETWEEN K₁ AND K₂.
- PHASE INVERTER BALANCE CONTROL AND ADJUSTMENT.
 - HARMONIC DISTORTION METER METHOD. DRIVE AMPLIFIER TO 15 VOLTS R.M.S. CUT AT 40 HZ AND CONNECT DISTORTION METER TO LOAD RESISTOR ADJUST VR₃ FOR MINIMUM DISTORTION.
 - VOLT METER METHOD. ADJUST OUTPUT AS IN STEP 3-A AND CONNECT D.C. VOLT METER BETWEEN TEST POINTS K₁ & K₂. ADJUST VR₃ FOR ZERO ±.01 VOLTS.

* THE LOAD RESISTOR SHOULD BE ABLE TO DISSIPATE THE FULL POWER OF THE AMPLIFIER, OR 330 WATTS.

NOTES:

- ALL RESISTORS 1/2 W 10% UNLESS OTHERWISE SPECIFIED.
- ALL CAPACITORS IN MFD. & 400 V UNLESS OTHERWISE SPECIFIED.
- D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED USING AN ELECTRONIC VOLT METER.
- NUMBERS IN PARENTHESIS REFER TO MFR'S PART NO.
- A.C. VOLTAGES ARE INDICATED WITHIN BOXES.
- CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.

NOTE: DC VOLTAGES FOR V₁ ARE APPROXIMATE AND MAY VARY WITH APPLICATION.



RED. SIZE	PART NO.
7x10 ¹ / ₁₆	591720-3
7x10 ¹ / ₁₆	591720-2
7x10 ¹ / ₁₆	591720-1

REVISIONS

1. REVISION A - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

2. REVISION B - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

3. REVISION C - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

4. REVISION D - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

5. REVISION E - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

6. REVISION F - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

7. REVISION G - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

8. REVISION H - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

9. REVISION I - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

10. REVISION J - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

11. REVISION K - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

12. REVISION L - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

13. REVISION M - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

14. REVISION N - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

15. REVISION O - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

16. REVISION P - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

17. REVISION Q - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

18. REVISION R - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

19. REVISION S - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

20. REVISION T - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

21. REVISION U - PINS 3 & 8 EXCHANGED TO ELIMINATE GROUND LOOP. R53 ADDED. ECN-7370 (1-1-75)

ADDITIONAL SPECIFICATIONS

MATERIAL

FINISH

THE AMPEG COMPANY

SVT POWER AMP SCHEMATIC

SIGNATURE: DR. P. Reister DATE: 5-2-74

CHK: J. Humber DATE: 11-1-74

ENG: DATE: 5-20-82

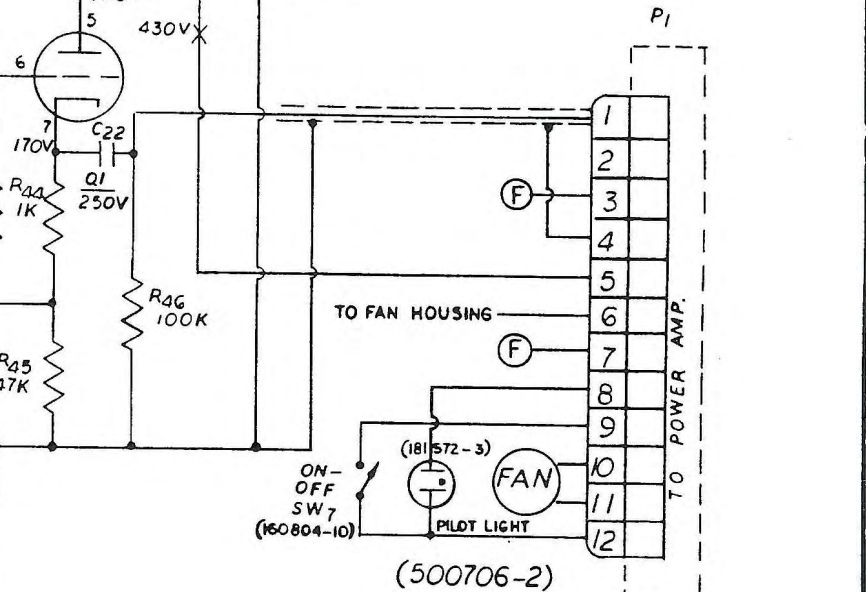
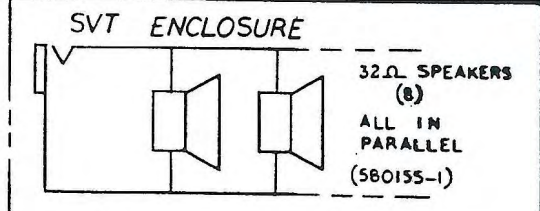
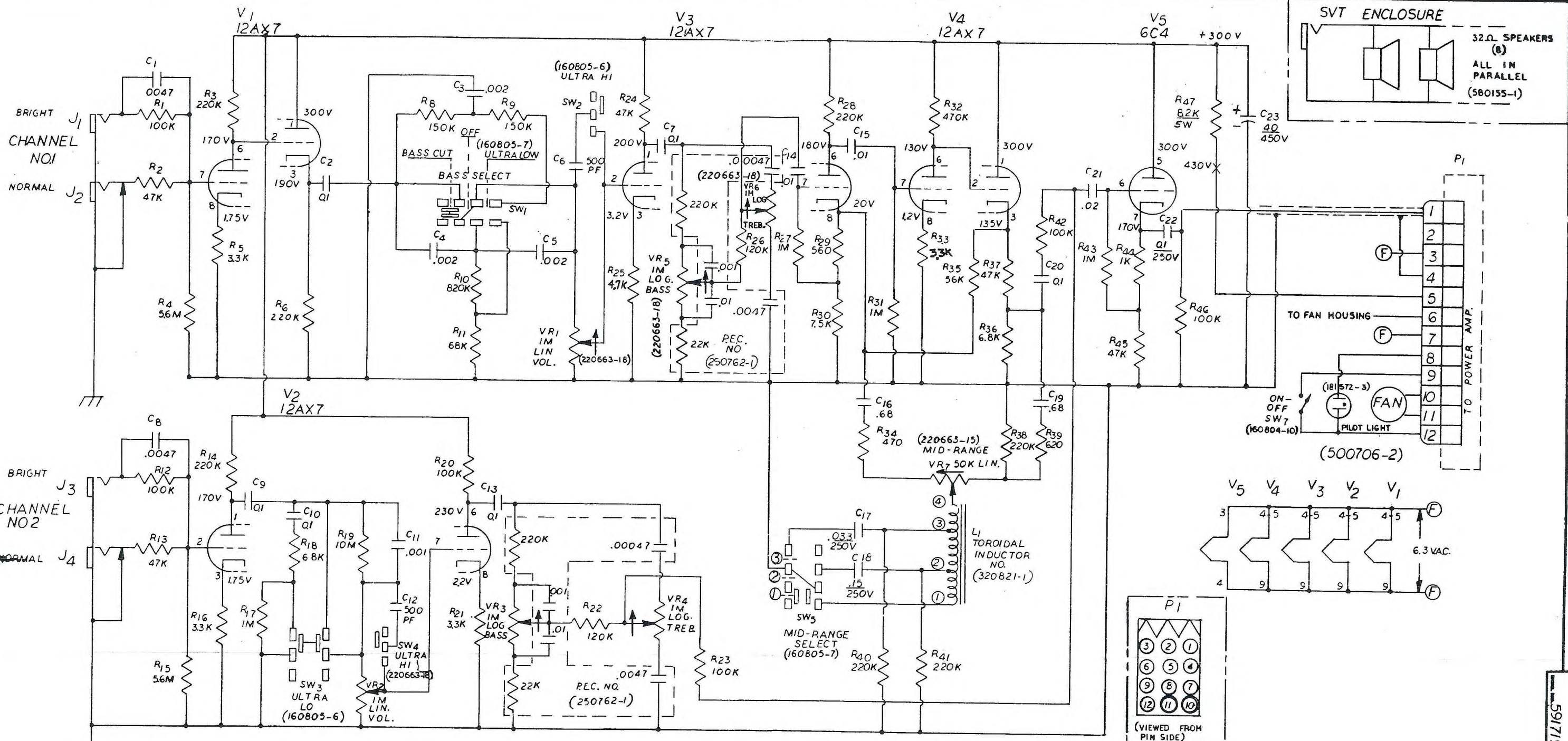
SCALE: 1:1

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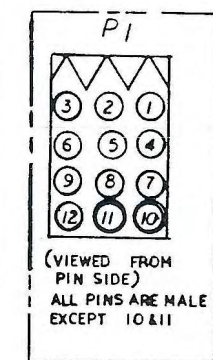
THIS PRINT SUPERSEDES ALL PREVIOUS ISSUES

591720

A B C D E F G H J K L M N P R S T U



NOTES - ALL RESISTORS IN OHMS \pm 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400 V UNLESS OTHERWISE SPECIFIED.
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 OHM PER VOLT VOLTMETER.
 - NUMBERS IN PARENTHESES REFER TO



DRAWN, REV. PILOT LIGHT
 ADDED 06-2 & RED. SIZE
 ADD SWAPPER ENC. SCH. 01-T
 ADD SW. PART NUMBERS
 REVISE P1 SKETCH (REV)
 PINS #3 & #8 EXCHANGED
 ECN-9517 12/5/55

ADDITIONAL SPECIFICATIONS	MATERIAL	FINISH
	TOLERANCES - UNLESS OTHERWISE SPECIFIED DECIMALS \pm TOL. FRACTIONS \pm TOL. .X .050 UP TO 6 1/64 .XX .020 6 TO 24 1/32 .XXX .010 ABOVE 24 1/16 THREADS - CLASS 2 LET. AFTER PLATING MACHINE FINISHES 64 MICRO INCH MAX. DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ON DRAWING. DO NOT SCALE DRAWING	THE AMPEG COMPANY SVT PRE AMP SIGNATURE: DR. P. REISHER DATE: 5-7-77 CHECKED: W. H. HANCOCK DATE: 12-8-75 ENG.: T. R. ... DATE: 5-20-88 SCALE:
THIS MATERIAL IS THE PROPERTY OF, AND PROPRIETARY TO, THE MAGNAVOX COMPANY AND IS NOT TO BE DISCLOSED TO OTHERS OR USED FOR OTHER THAN AUTHORIZED MAGNAVOX PURPOSES WITHOUT THE WRITTEN PERMISSION OF THE MAGNAVOX COMPANY. THIS MATERIAL MUST BE RETURNED TO THE MAGNAVOX COMPANY WHEN THE HOLDER NO LONGER REQUIRES ITS USE FOR AUTHORIZED MAGNAVOX PURPOSES.		PART NO. 7" X 10" 13/16" 591719-2 7" X 10" 13/16" 591719-1 SIZE D 591719

591719

A B C D E F G H J K L M N P R S T U