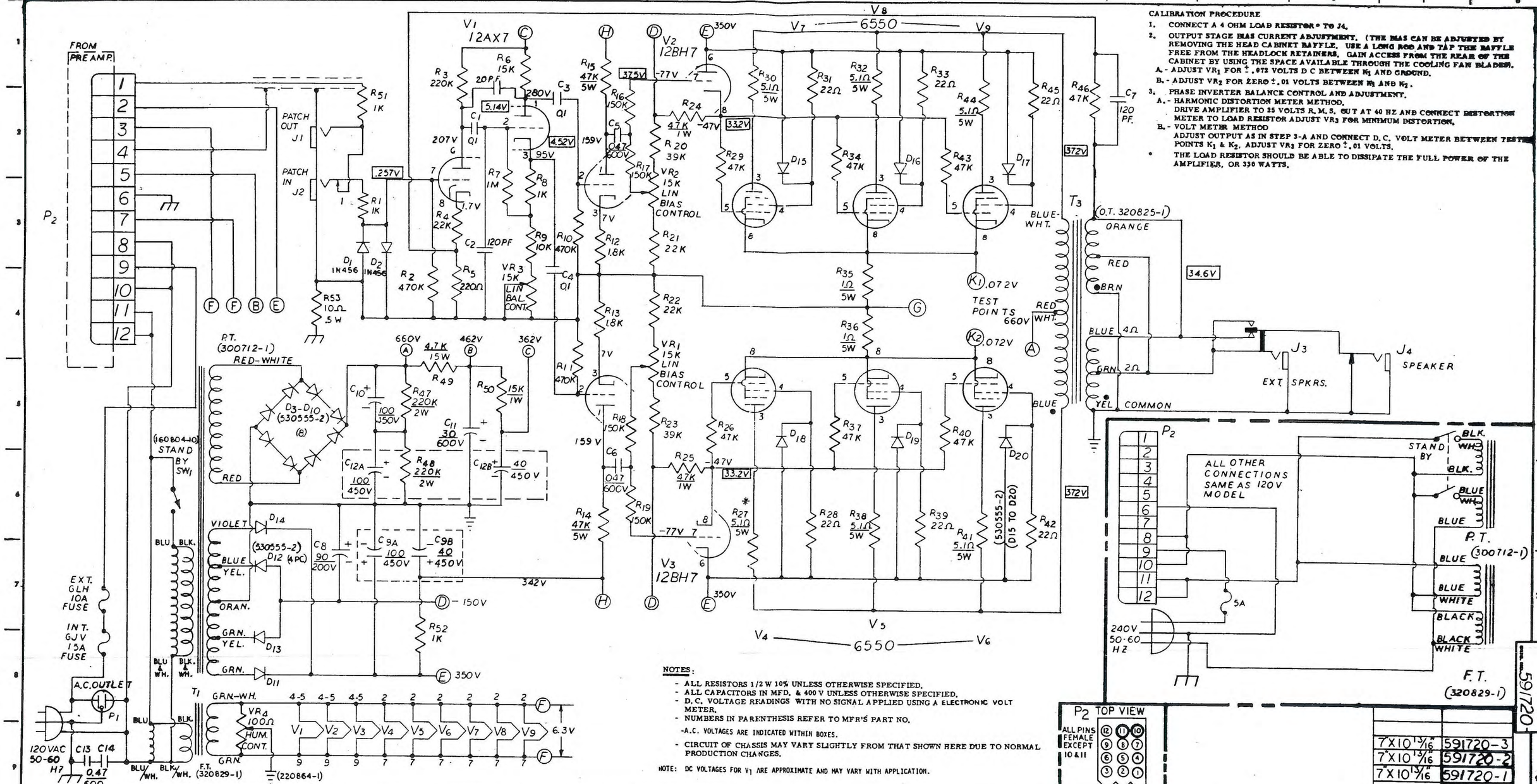

CALIBRATION PROCEDURE

1. CONNECT A 4 OHM LOAD RESISTOR * TO J4.
2. 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).
   A. - ADJUST VR_1 FOR ±.072 VOLTS D C BETWEEN K_1 AND GROUND.
   B. - ADJUST VR_2 FOR ZERO ±.01 VOLTS BETWEEN K_1 AND K_2.
3. PHASE INVERTER BALANCE CONTROL AND ADJUSTMENT.
   A. - HARMONIC DISTORTION METER METHOD.
   DRIVE AMPLIFIER TO 25 VOLTS R. M. S. OUT AT 40 HZ AND CONNECT DISTORTION METER TO LOAD RESISTOR ADJUST VR_3 FOR MINIMUM DISTORTION.
   B. - VOLT METER METHOD
   ADJUST OUTPUT AS IN STEP 3-A AND CONNECT D. C. VOLT METER BETWEEN TEST POINTS K_1 & K_2. ADJUST VR_3 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 A 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 V_1 ARE APPROXIMATE AND MAY VARY WITH APPLICATION.

7"X10 13/16"	591720-3
7"X10 13/16"	591720-2
7"X10 13/16"	591720-1
RED. SIZE	PART NO.

ADDITIONAL SPECIFICATIONS

MATERIAL

FINISH

— TOLERANCES — UNLESS OTHERWISE SPECIFIED

DECIMALS	± TOL.	FRACTIONS	± TOL.
.X	.100	UP TO 6	1/64
.XX	.020	6 TO 24	1/32
.XXX	.010	ABOVE 24	1/16

THREADS - CLASS 2 FIT AFTER PLATING — CONCENTRICITY .010 T.I.R.
MACHINE FINISHES 64 MICRO INCH MAX. — ANGULAR TOL. ± 1/2°
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ON DRAWING.
DO NOT SCALE DRAWING

THE AMPEG COMPANY

SVT
POWER AMP SCHEMATIC

	SIGNATURE	DATE
DR.	P. REISHER	5-4-77
CHK.	J. Hyatt	11-8-77
ENG.		5-20-82

FIRST ASSIGNED TO ASSEMBLY#
FIRST ISSUED FROM SVT
SCALE

SIZE D — DWG. NO. 591720

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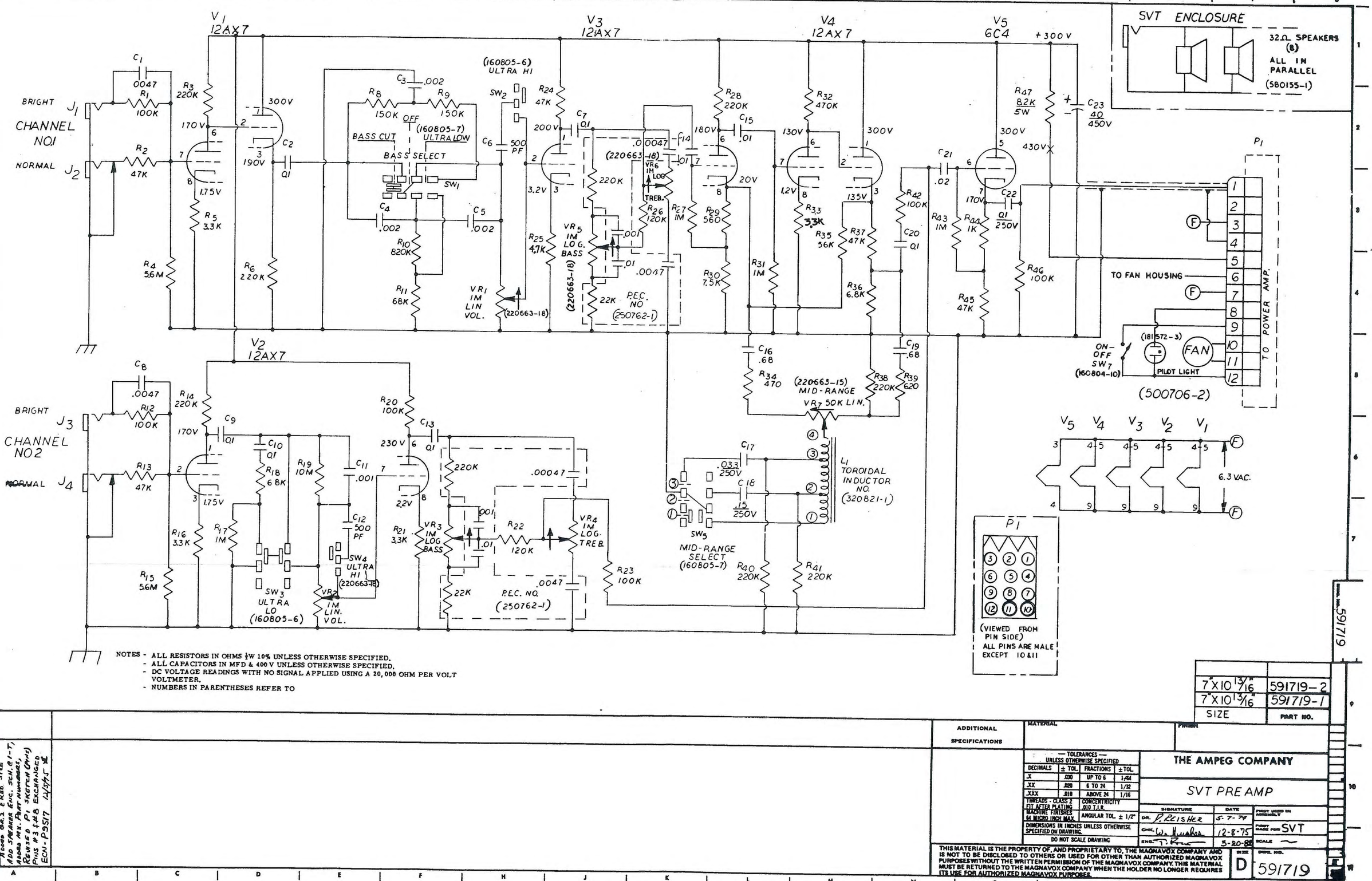
THIS PRINT SUPERSEDES ALL PREVIOUS ISSUES

591720

REV	DESCRIPTION	ECN
H	REDRAWN W/ NEW PART #'S (P.S. BD. ONLY) CHANGED R49 FROM 4.7K TO 3.3K 15W. CHANGED C10 FROM 100 MFD 150V TO 100 MFD 450V. CHANGED C11 FROM 30 MFD 600V TO 40 MFD 450V. CHANGED C12 FROM 100/100 MFD 450V TO 100/40 MFD 450V. CHANGED D3-D10 FROM 530555-1 TO 530555-2. CHANGED D12 FROM 530555-1 TO 530555-2. ADDED 10Ω 5W RESISTOR IN SERIES WITH D12 (4PC) ADDED 10Ω 5W RESISTOR IN SERIES WITH D11 ADDED 10Ω 5W RESISTOR IN SERIES WITH D13 ADDED 10Ω 5W RESISTOR IN SERIES WITH D14 ADDED 10Ω 5W RESISTOR IN SERIES WITH D15 ADDED 10Ω 5W RESISTOR IN SERIES WITH D16 ADDED 10Ω 5W RESISTOR IN SERIES WITH D17 ADDED 10Ω 5W RESISTOR IN SERIES WITH D18 ADDED 10Ω 5W RESISTOR IN SERIES WITH D19 ADDED 10Ω 5W RESISTOR IN SERIES WITH D20 ADDED 10Ω 5W RESISTOR IN SERIES WITH D1 ADDED 10Ω 5W RESISTOR IN SERIES WITH D2 ADDED 10Ω 5W RESISTOR IN SERIES WITH D3 ADDED 10Ω 5W RESISTOR IN SERIES WITH D4 ADDED 10Ω 5W RESISTOR IN SERIES WITH D5 ADDED 10Ω 5W RESISTOR IN SERIES WITH D6 ADDED 10Ω 5W RESISTOR IN SERIES WITH D7 ADDED 10Ω 5W RESISTOR IN SERIES WITH D8 ADDED 10Ω 5W RESISTOR IN SERIES WITH D9 ADDED 10Ω 5W RESISTOR IN SERIES WITH D10	ECN-P9531 11-7-75 JK
I	REVISE P2 - PINS 3 & 8 ELIMINATED TO ELIMINATE GROUND LOOP. R53 ADDED	ECN-2370 12-1-77 JK



NOTES -
- ALL RESISTORS IN OHMS ½W 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

		7"X10 13/16"	591719-2
		7"X10 13/16"	591719-1
		SIZE	PART NO.

D	REDRAWN, REV. PILOT LIGHT, ADDED CR.2 & RES. SYM. ADD SPEAKER ENC. SCH. #1-7, ADDED MFR. PART NUMBERS, REVISED P1 SKETCH (ONLY) PLUS #3 & #8 EXCHANGED ECN-P9517	WJS	12-8-75

ADDITIONAL SPECIFICATIONS

MATERIAL

FINISH

— TOLERANCES — UNLESS OTHERWISE SPECIFIED

DECIMALS	± TOL.	FRACTIONS	± TOL.
X	.100	UP TO 6	1/64
XX	.020	6 TO 24	1/32
XXX	.010	ABOVE 24	1/16

THREADS - CLASS 2 FIT AFTER PLATING
MACHINE FINISHES 64 MICRO INCH MAX.
CONCENTRICITY .010 T.I.R.
ANGULAR TOL. ± 1/2°
DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED ON DRAWING.
DO NOT SCALE DRAWING

THE AMPEG COMPANY

SVT PRE AMP

	SIGNATURE	DATE
DR.	D. REISHER	5-7-74
CHK.	W. S. HUMPHREY	12-8-75
ENG.	T. R.	5-20-88

FIRST USED ON ASSEMBLY
NEXT HIGHER ASSY SVT
SCALE ~
SIZE D
DRWG. NO. 591719

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THIS PRINT SUPERSEDES ALL PREVIOUS ISSUES

591719