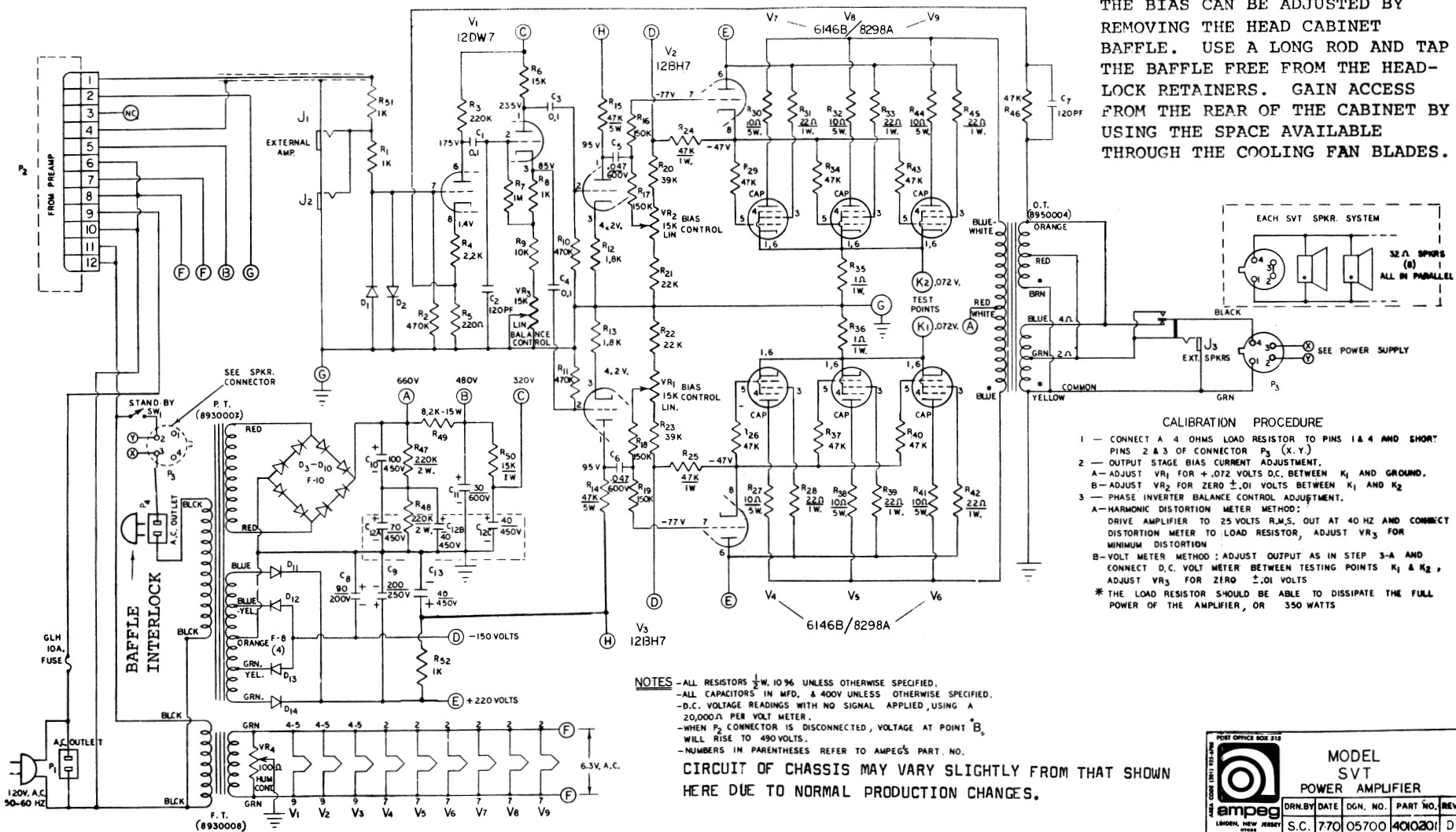
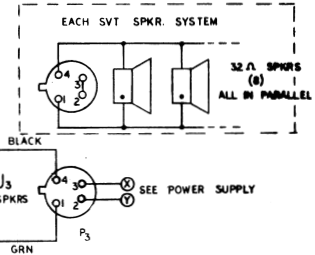


SVT POWER AMP (REV D)

Ampeg



THE BIAS CAN BE ADJUSTED BY REMOVING THE HEAD CABINET BAFFLE. USE A LONG ROD AND TAP THE BAFFLE FREE FROM THE HEAD-LOCK RETAINERS. GAIN ACCESS FROM THE REAR OF THE CABINET BY USING THE SPACE AVAILABLE THROUGH THE COOLING FAN BLADES.



- ### CALIBRATION PROCEDURE
- CONNECT A 4 OHMS LOAD RESISTOR TO PINS 1 & 4 AND SHORT PINS 2 & 3 OF CONNECTOR P₃ (X.Y.)
 - OUTPUT STAGE BIAS CURRENT ADJUSTMENT.
A-ADJUST VR₁ FOR +.072 VOLTS D.C. BETWEEN K₁ AND GROUND.
B-ADJUST VR₂ FOR ZERO ±.01 VOLTS BETWEEN K₁ AND K₂
 - PHASE INVERTER BALANCE CONTROL 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 VR₃ FOR MINIMUM DISTORTION
B-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 ±.01 VOLTS
* THE LOAD RESISTOR SHOULD BE ABLE TO DISSIPATE THE FULL POWER OF THE AMPLIFIER, OR 350 WATTS

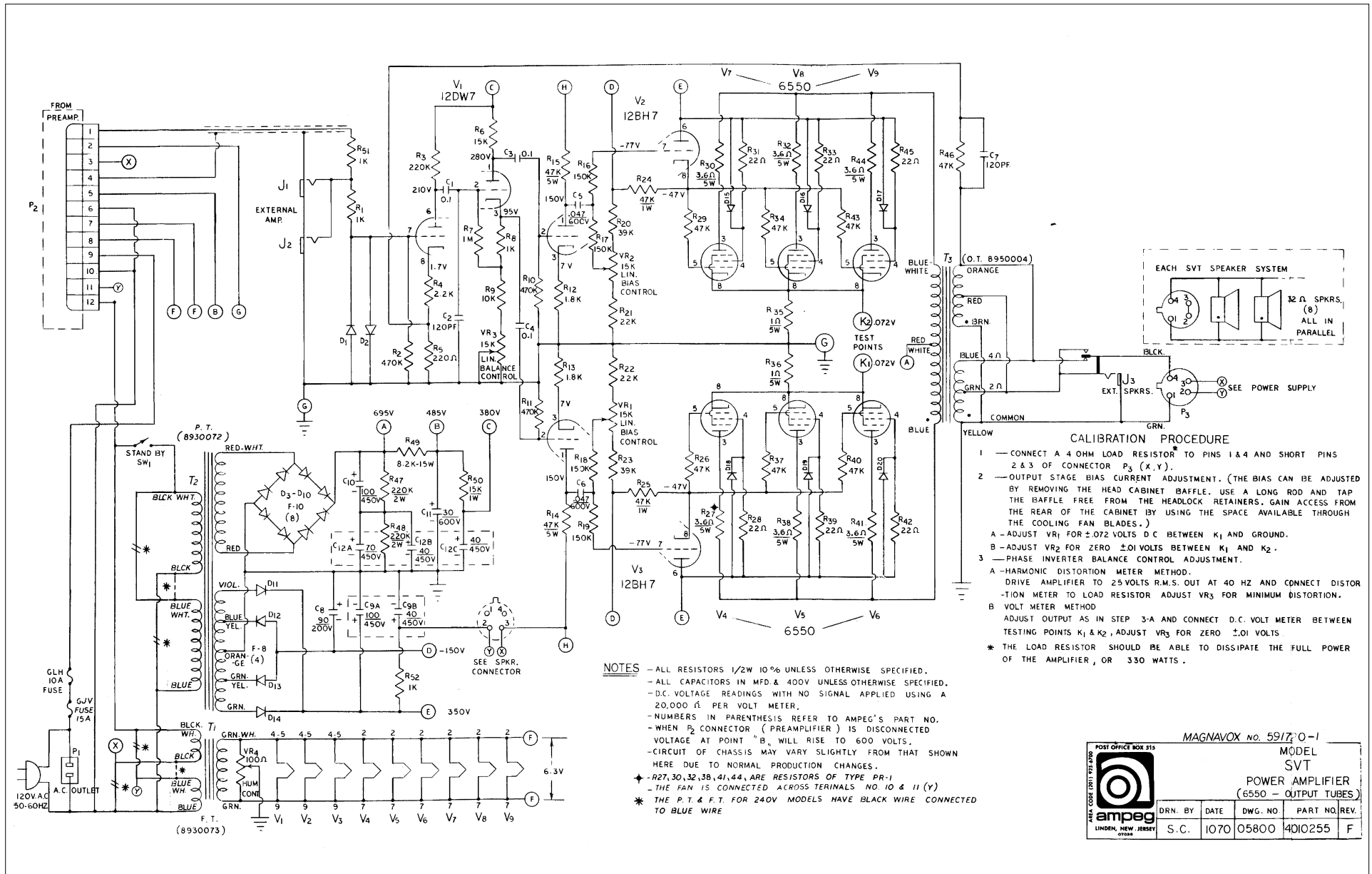
NOTES - ALL RESISTORS 1/2 W. 10% UNLESS OTHERWISE SPECIFIED.
- ALL CAPACITORS IN MFD. & 400V UNLESS OTHERWISE SPECIFIED.
- D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED, USING A 20,000 Ω PER VOLT METER.
- WHEN P₃ CONNECTOR IS DISCONNECTED, VOLTAGE AT POINT B, WILL RISE TO 490 VOLTS.
- NUMBERS IN PARENTHESES REFER TO AMPEG'S PART NO.

CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.

	MODEL SVT POWER AMPLIFIER		
	DRN. BY	DATE	DGN. NO. PART NO. REV.
	S.C.	770 05700	4010201 D

SVT POWER AMP (REV F)

Ampeg



MAGNAVOX NO. 59170-1

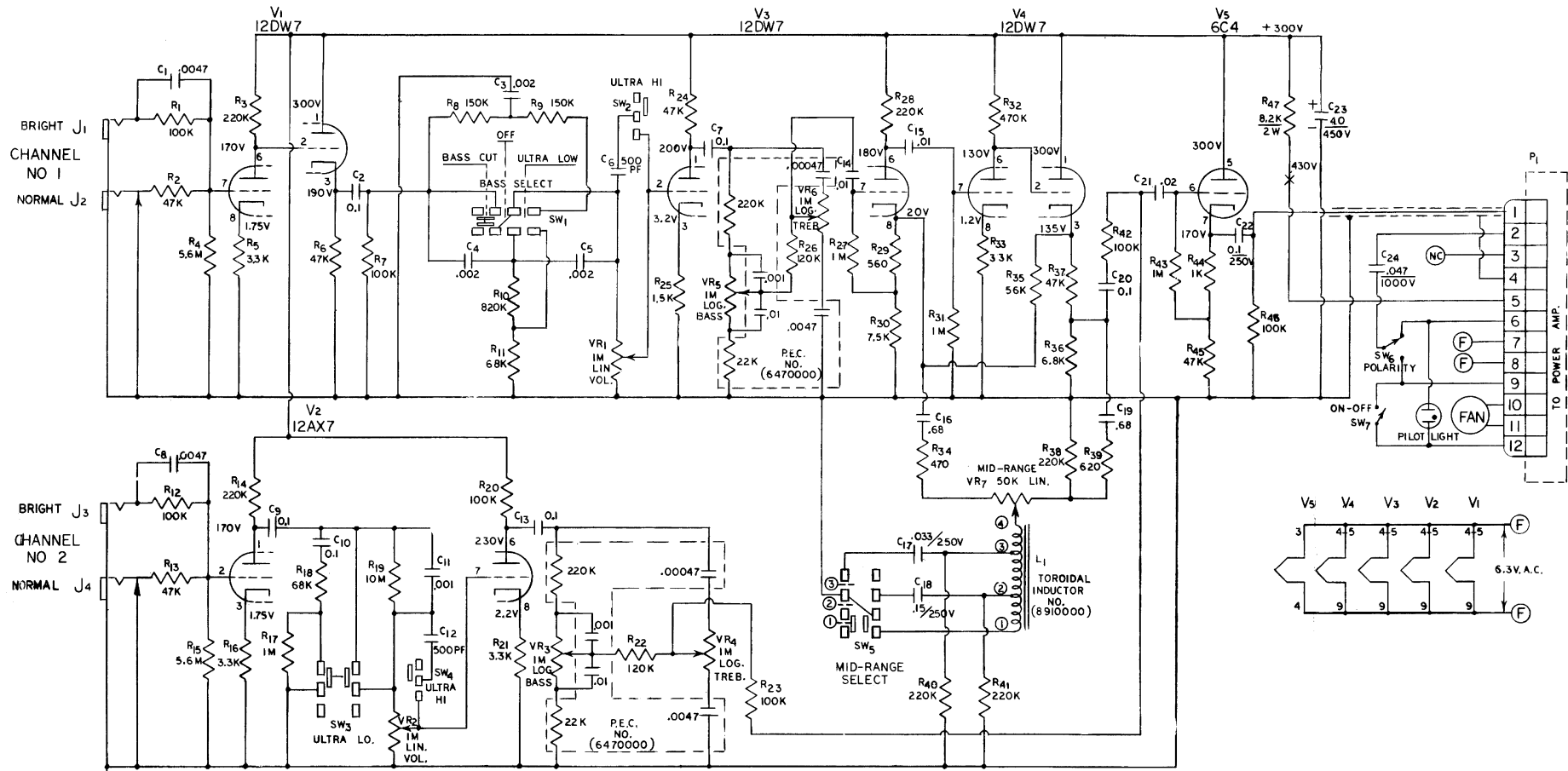
MODEL SVT POWER AMPLIFIER (6550 - OUTPUT TUBES)

DRN. BY	DATE	DWG. NO	PART NO. REV.
S.C.	1070	05800	4010255 F

POST OFFICE BOX 313
LINDEN, NEW JERSEY 07036

SVT PREAMP

Ampeg



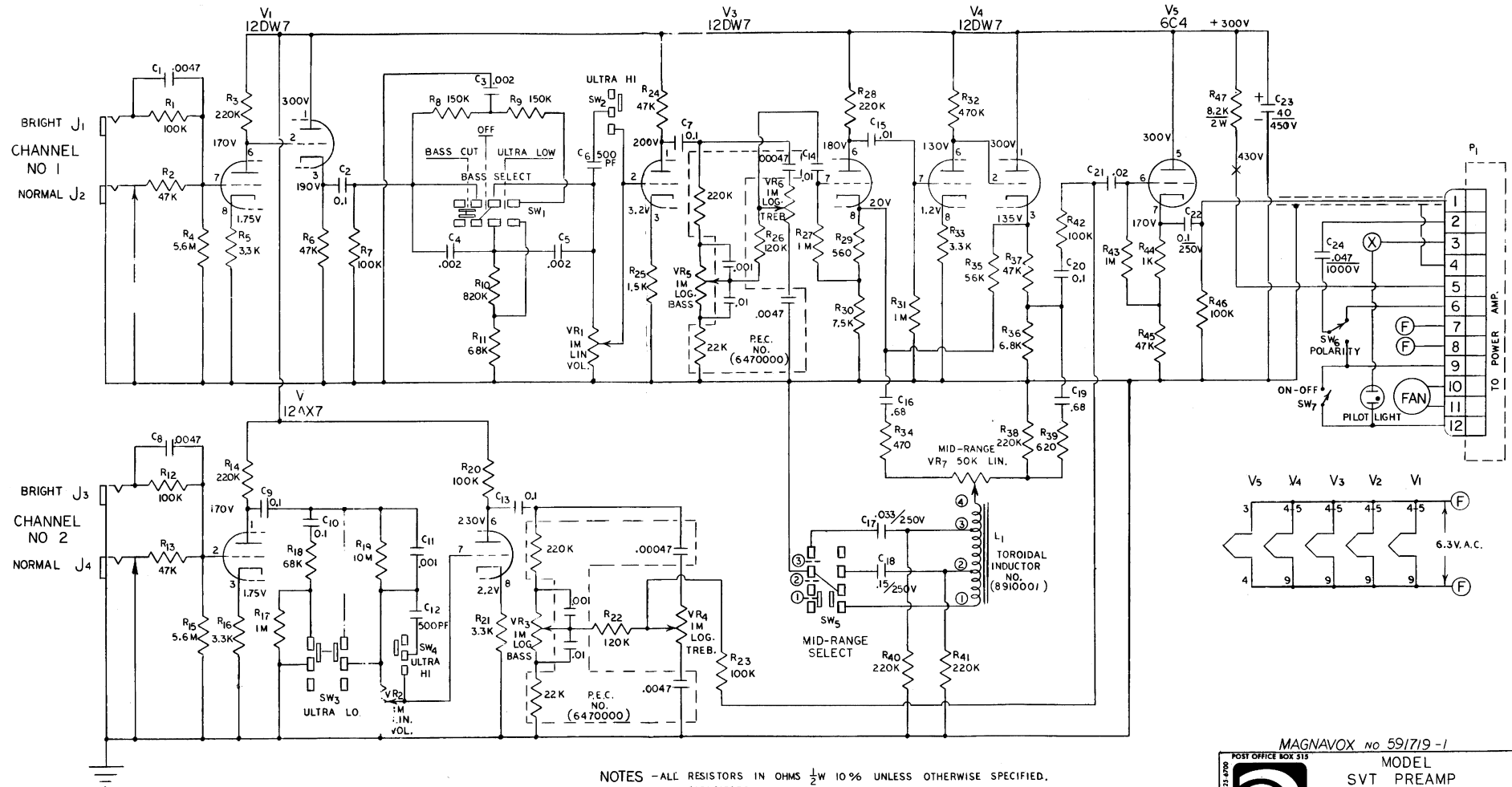
NOTES - ALL RESISTORS IN OHMS $\frac{1}{2}$ W 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400V " " " "
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 Ω PER VOLT VOLTMETER.
 - NUMBERS IN PARENTHESES REFER TO AMPEG'S PART NO.

POST OFFICE BOX 313
 MODEL SVT PREAMP
 U.S. PATENT PENDING

DRN. BY DATE DNG. NO. PART NO. REV.
 S.C. 669 05804 4010204

SVT PREAMP (REV B)


Ampeg



NOTES - ALL RESISTORS IN OHMS $\frac{1}{2}$ W 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400V " " " "
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 Ω PER VOLT VOLTMETER.
 - NUMBERS IN PARENTHESES REFER TO AMPEG'S PART NO.

MAGNAVOX no 59/719 -1

POST OFFICE BOX 513
 MODEL
 SVT PREAMP
 U.S. PATENT PENDING

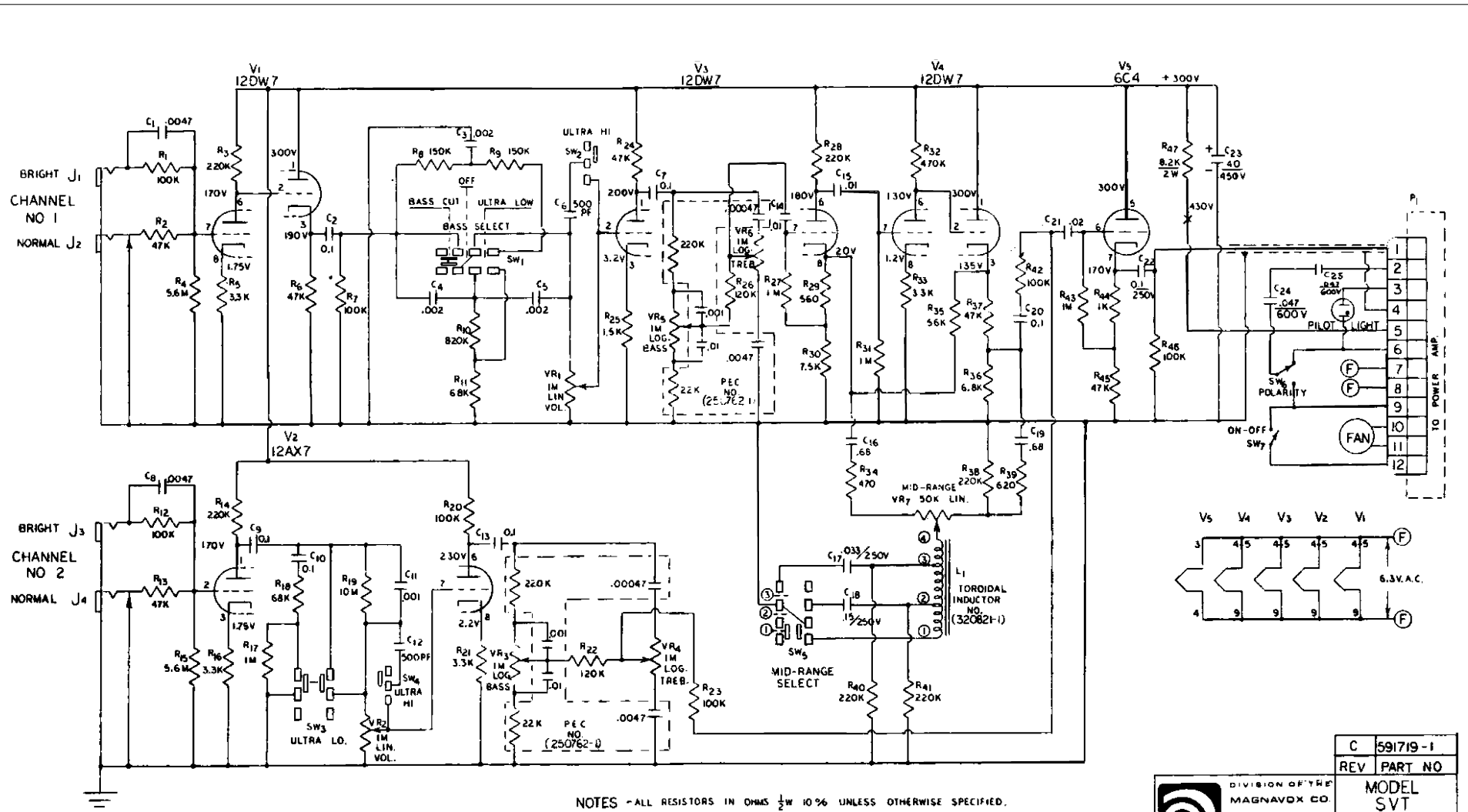


DRN. BY	DATE	DWG. NO.	PART NO.	REV.
S.C.	669	05804	4010204	B


LINDEN, NEW JERSEY 07036

SVT PREAMP (REV C)

Ampeg

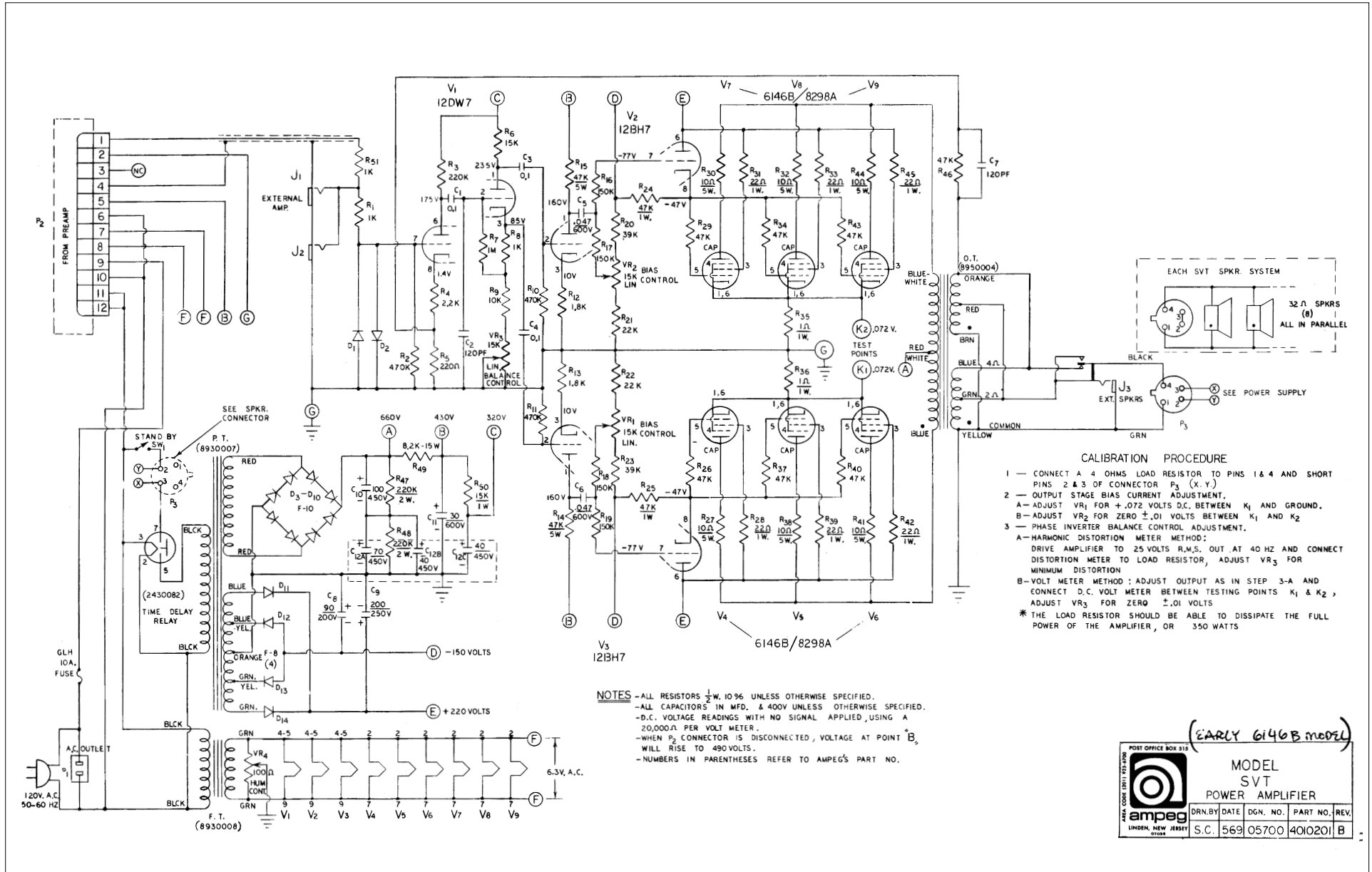


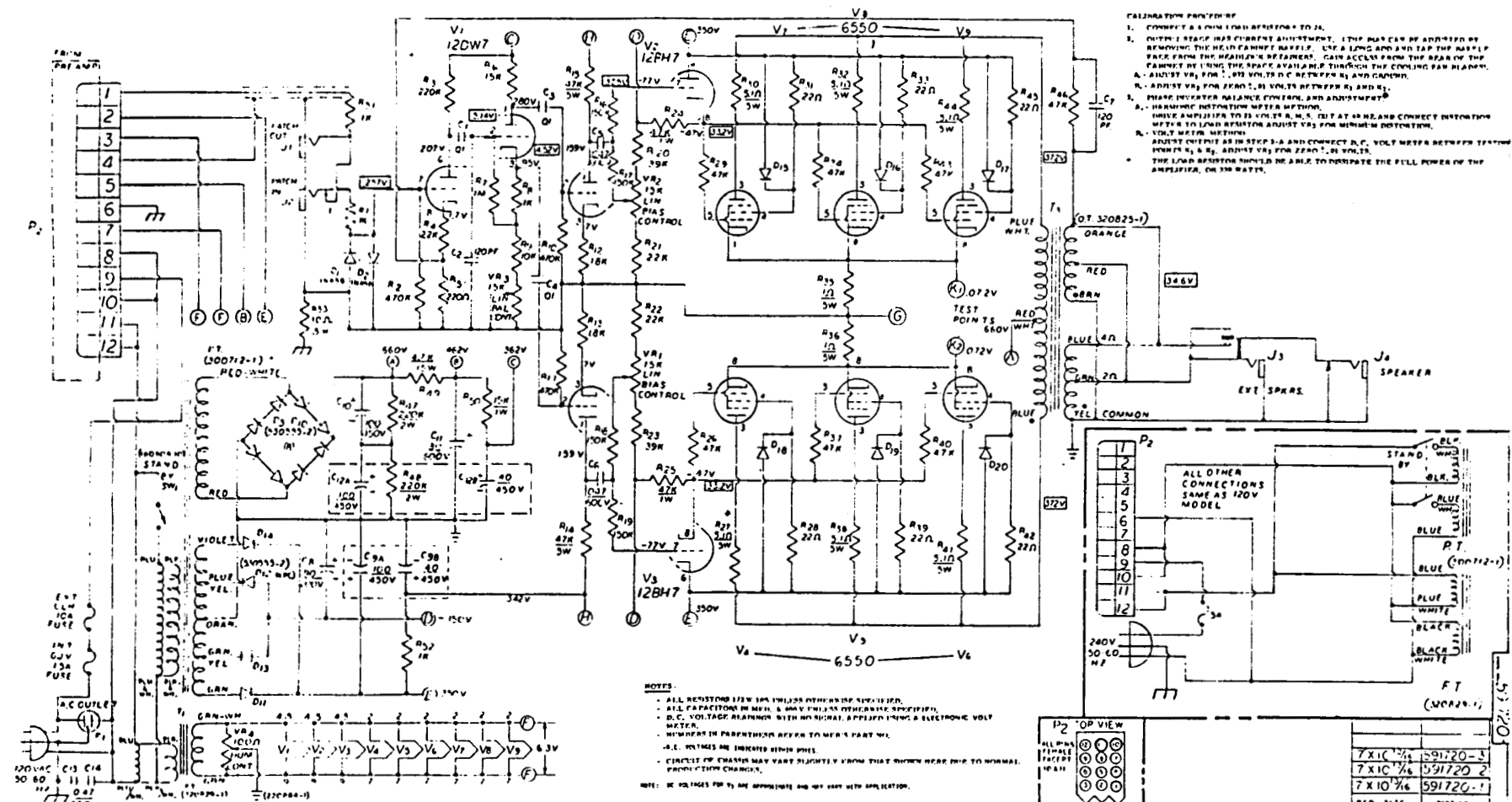
NOTES - ALL RESISTORS IN OHMS $\frac{1}{2}$ W 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400V " " " "
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 Ω PER VOLT VOLTMETER.
 - N.M.B.F.S. IN PARENTHESES REFER TO MFR'S PART NO.

C	591719-1
REV	PART NO
 DIVISION OF THE MAGNAVOX CO. P.O. BOX 818 LINDEN, N.J. 07036 201-882-5700	
MODEL SVT PREAMP	
DESIGNED BY MENDEL DATE 8-72 ENG. NO. 591719 REV. C	

SVT MODEL 6146B

Ampeg





- CAUTION: THIS PART OF THE
1. CONNECT A 4-PIN 150W RESISTOR TO J2.
 2. DURING EACH HIGH CURRENT ADJUSTMENT, THE MAXIMUM BE ADVISED BY REMOVING THE HEADPHONE AMPLIFIER. USE A LONG ROD AND TAP THE AMPLIFIER FROM THE REAR OF THE HEADPHONE AMPLIFIER. GAIN ACCESS FROM THE REAR OF THE AMPLIFIER BY USING THE REAR PANEL BUSH THROUGH THE COOLING FAN BLADES.
 3. ADJUST V_1 FOR 1.075 VOLTS D.C. BETWEEN R_1 AND R_2 .
 4. ADJUST V_2 FOR APPROX. 20 VOLTS BETWEEN R_3 AND R_4 .
 5. PHASE INVERTER BALANCE FROM TOP, AND ADJUSTMENT.
 6. HEARPHONE INSTRUCTIONS AFTER ADJUSTMENT.
 - A. HEARPHONE INSTRUCTIONS AFTER ADJUSTMENT.
 1. MAKE AMPLIFIER TO 35 VOLTS R.M.S. TUN AT 40 HZ AND CONNECT INSTRUCTIONS WITH A 150W RESISTOR ADJUST V_3 FOR MINIMUM DISTORTION.
 2. ADJUST V_3 FOR APPROX. 20 VOLTS.
 - B. VOLT METER METHOD.
 1. ADJUST CIRCUIT AS IN STEP 3-A AND CONNECT D.C. VOLT METER BETWEEN TESTING POINTS R_1 & R_2 . ADJUST V_3 FOR APPROX. 20 VOLTS.
 2. THE LOAD RESISTOR SHOULD BE ABLE TO DISSIPATE THE FULL POWER OF THE AMPLIFIER, OR 30W BATT.

NOTES:

- ALL RESISTORS 1/2W 5% UNLESS OTHERWISE SPECIFIED.
- ALL CAPACITORS IN SERIES 500V UNLESS OTHERWISE SPECIFIED.
- D.C. VOLTAGE MEASUREMENT WITH NO SIGNAL, APPROXIMATE ELECTRONIC VOLT METER.
- RESISTOR IN PARENTHESES REFER TO PART NO.
- A.L. VALUES ARE INDICATED WITHIN PINS.
- CHECKLIST OF PARTS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL FACTORY CHANGES.

NOTE: DC VOLTAGES FOR V_1 ARE APPROXIMATE AND NOT VARY WITH APPLICATION.

TRAINING CIRCUITS
50 PARK ROAD
COLOMA, N.J. 07627
(201) 331-5126

TOP VIEW

1	2	3	4	5	6	7	8	9	10	11	12
---	---	---	---	---	---	---	---	---	----	----	----

ALL OTHER CONNECTIONS SAME AS 120V MODEL

7X1C 1/4	591720-3
7X1C 1/8	591720-2
7X10 1/4	591720-1
RED. SIZE	NOT SH.

THE AMPEG COMPANY
DIVISION OF THE WESTERN ELECTRIC CO. INC.
NEW YORK, N.Y. 10017

SVT V9
POWER AMP SCHEMATIC

DATE: 11-15-67
DRAWN BY: J. J. ...
CHECKED BY: ...
APPROVED BY: ...

REVISIONS:

NO.	DESCRIPTION	DATE
1

THIS SCHEMATIC IS THE PROPERTY OF THE AMPEG COMPANY. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT WAS DESIGNED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE AMPEG COMPANY.

DATE: 11-15-67
DRAWN BY: J. J. ...
CHECKED BY: ...
APPROVED BY: ...

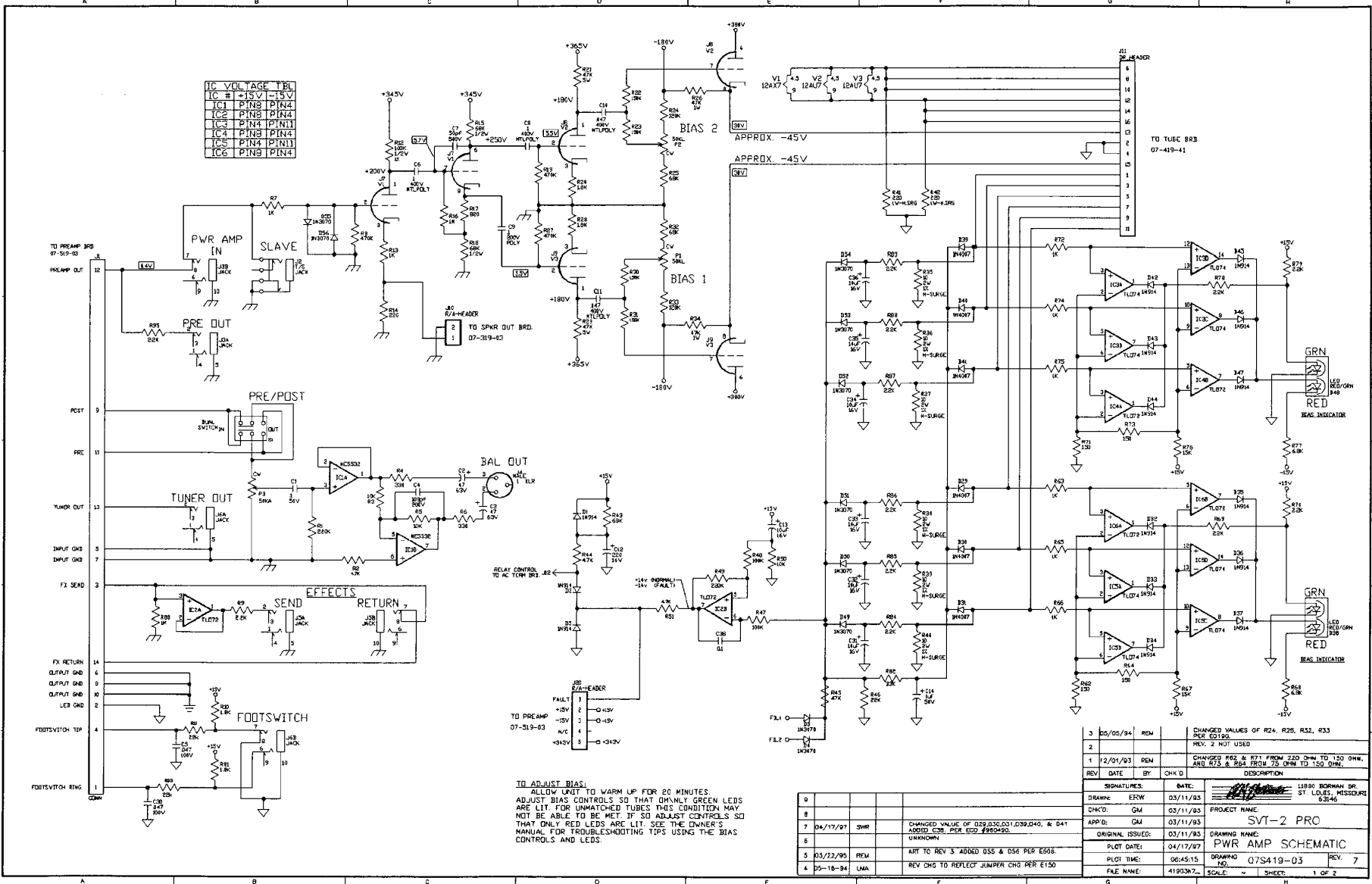
REVISIONS:

1	...
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DATE: 11-15-67
DRAWN BY: J. J. ...
CHECKED BY: ...
APPROVED BY: ...

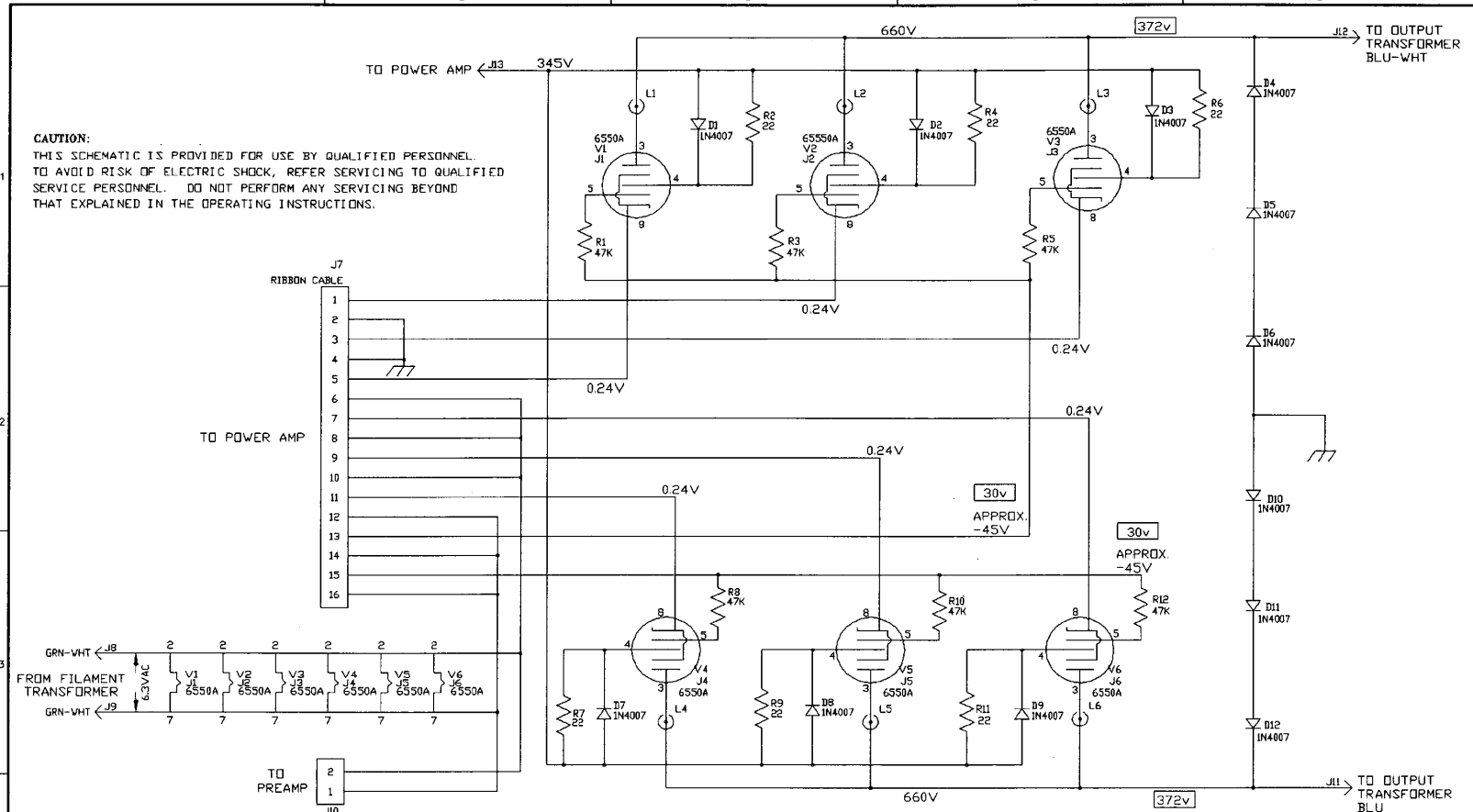
SVT-2 PWR PRE AMP (REV 7)

Ampeg



SVT-2 PRO TUB BD

Ampeg



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.

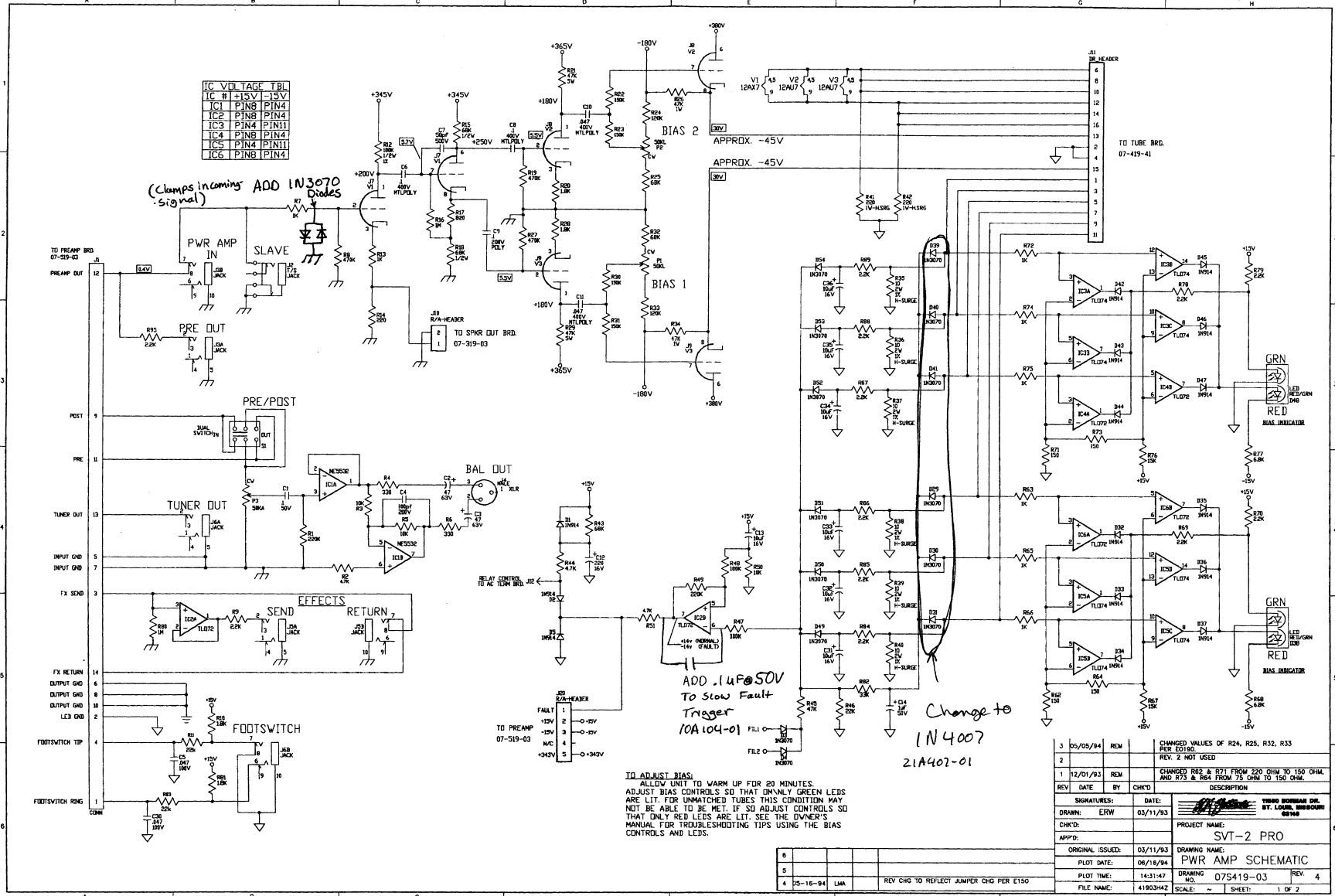
NOTES

- 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. VOLTAGES IN RECTANGLES ARE
RMS SIGNAL VOLTAGES WITH FULL POWER OUTPUT. OTHER VOLTAGES
ARE DC WITH NO SIGNAL.

3	08/30/96	LMA		UPDATED REV TO REFLECT PIC CHANGE E960333
2	05/16/94	LMA		REV CHG TO REFLECT JUMPER CHG PER E150
1				
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		11880 BORMAN DR. ST. LOUIS, MISSOURI 63146
DRAWN: SWR		03/02/93		PROJECT NAME: SVT-2 PRO
CHK'D:				DRAWING NAME: TUBE Bd. SCHEMATIC
APP'D:				DRAWING NO.: 07S419-41
ORIGINAL ISSUED:				SHEET: 1 OF 1
PLOT DATE: 09/03/96				SCALE: 1:1
PLOT TIME: 07:18:59				REV: 3
FILE NAME: 41941h3z				

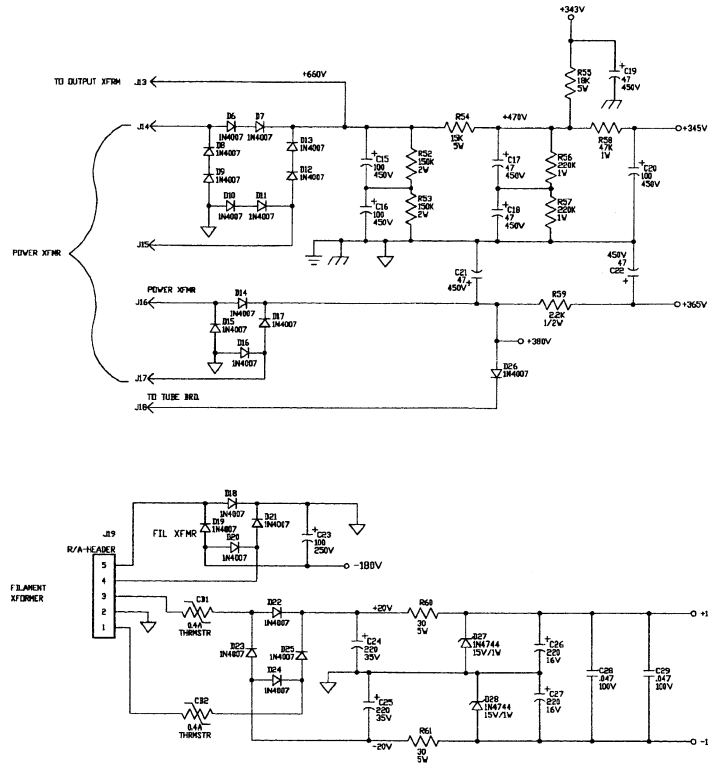
SVT-2 PRO POWER AMP

Ampeg



SVT PRO POWER AMP

Ampeg



NOTES

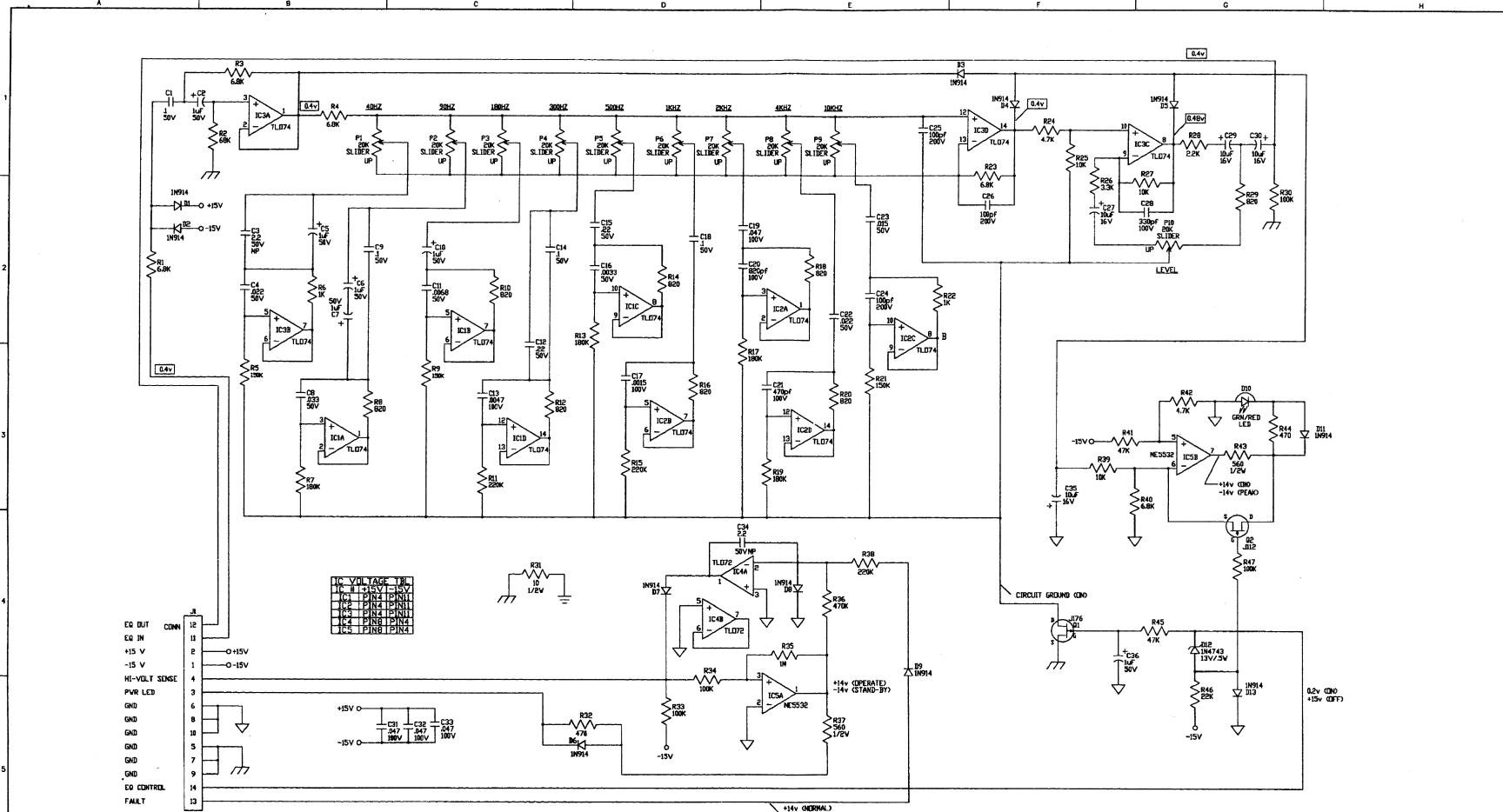
- 1) CAUTION: SHOCK HAZARD!!
THIS UNIT CONTAINS HAZARDOUS VOLTAGE. DISCONNECT POWER AND BE SURE POWER SUPPLY IS DISCHARGED BEFORE TOUCHING INTERNAL PARTS.
- 2) UNLESS NOTED, RESISTOR VALUES IN OHMS, 1/4W-5% TOL. CAPACITOR VALUES IN MICROFARADS, 50V-10% TOL.
- 3) VOLTAGES ARE MEASURED WITH 1 MEGOHM OSCILLOSCOPE AND 10 MEGOHM DIGITAL VOLTMETER.
- 4) VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES WITH 0.4V IN. OTHER VOLTAGES ARE D.C. IN CONDITIONS STATED.
- 5) CIRCUIT GROUND /// DIRTY GROUND v CHASSIS GROUND +

REV	DATE	BY	CHK'D	DESCRIPTION
4	05/16/94	LMA		REV CHG TO REFLECT JUMPER CHG PER E150
3	05/05/94	REM		CHANGED VALUES OF R24, R25, R32, R33 PER E150
2				REV. 2 NOT USED
1	12/01/93	REM		CHANGED R62 & R71 FROM 220 OHM TO 150 OHM AND R73 & R64 FROM 75 OHM TO 150 OHM.

SIGNATURES:	DATE:	DESIGNER:
DRAWN: ERW	03/11/93	THOMAS BORGAN DR. ST. LOUIS, MISSOURI 63148
CHK'D: CM	03/11/93	PROJECT NAME:
APP'D: CM	03/11/93	SVT-2 PRO
ORIGINAL ISSUED:	03/11/93	DRAWING NAME:
PLOT DATE:	06/18/94	PWR AMP SCHEMATIC
PLOT TIME:	14:31:47	DRAWING NO. 075419-03
FILE NAME:	D:\419\41903	SCALE: ~ SHEET: 2 OF 2

SVT-2 PRO GRAPHIC EQ

Ampeg



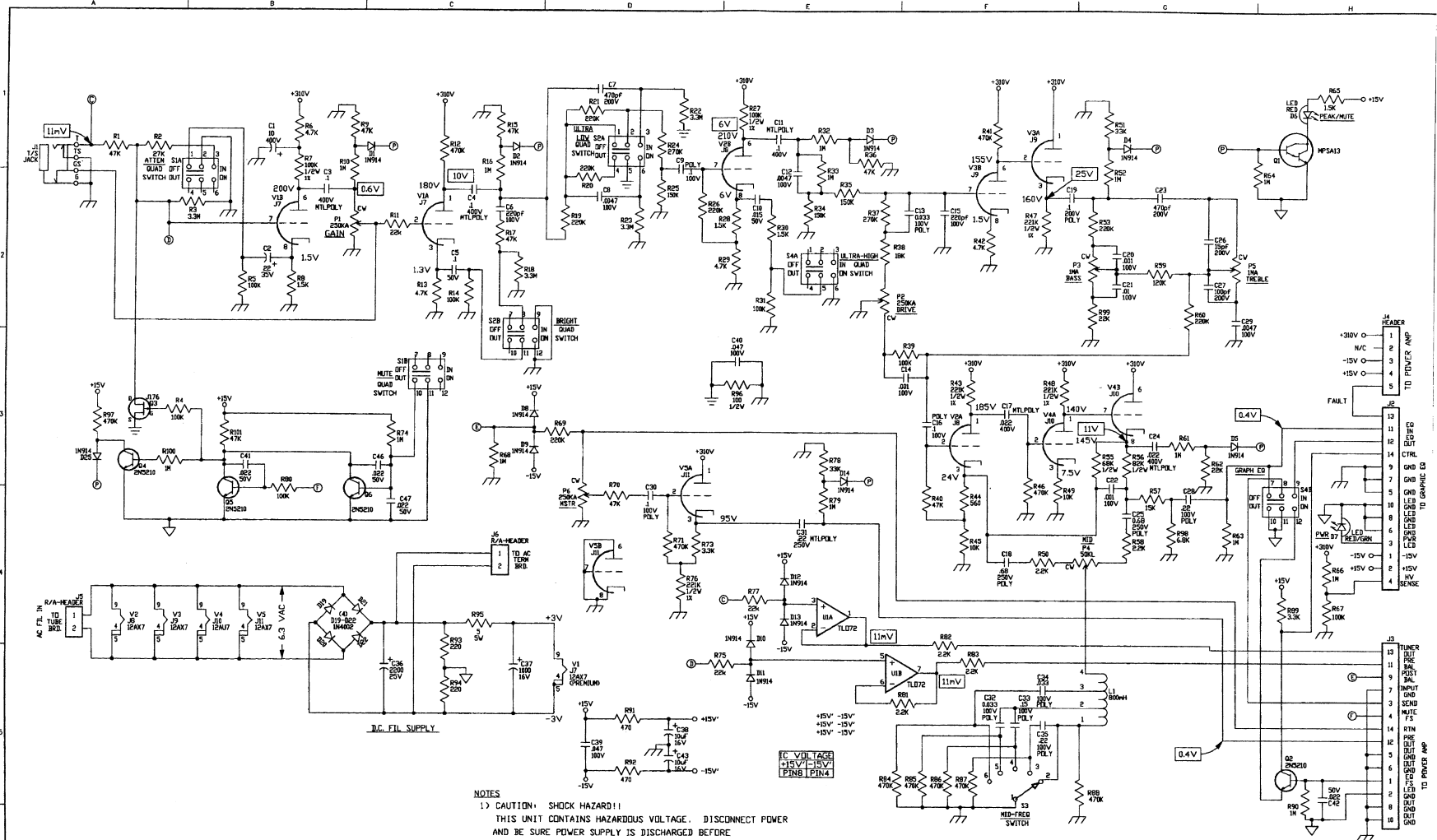
NOTES

- 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. EQ ON SLIDERS ARE IN CENTER POSITION.
- 4) VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES WITH 0.4V IN. OTHER VOLTAGES ARE D.C. IN CONDITIONS STATED.
- 5) CIRCUIT GROUND --- DIRTY GROUND --- CHASSIS GROUND ---

3				
2	05/25/94	LMA		REV CHG TO REFLECT JUMPER CHG PER E150
1				
REV	DATE	BY	CHK'D	DESCRIPTION
SIGNATURES:		DATE:		1990 BORGMAN DR. ST. LOUIS, MISSOURI 63114
CHK'D:	ERW		3/11/93	
APP'D:				PROJECT NAME: SVT-2 PRO
ORIGINAL ISSUED:				DRAWING NAME: GRAPHIC EQ. SCHEMATIC
PLOT DATE:	05/25/94			
PLOT TIME:	13:46:19	DRAWING NO.:	075728-02	REV. 2
FILE NAME:	72802H2	SCALE:	1:1	SHEET: 1 OF 1

SVT-2 PRO PREAMP

Ampeg



- 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) VOLTAGES IN RECTANGLES ARE RMS SIGNAL VOLTAGES. OTHER VOLTAGES ARE D.C. IN CONDITIONS STATED.
 - 5) CIRCUIT GROUND ⏏ DIRTY GROUND ⏏ CHASSIS GROUND ⏏

REV	DATE	BY	CHK'D	DESCRIPTION
3	08/18/94	LMA		REV CHG TO REFLECT JUMPER CHG PER C150
2				
1				

SIGNATURES:	DATE:	THOMAS BISHAM, DR.
DRAWN: ERW	3/30/93	BY: LARRY WISBECKI
CHK'D:		09160
APP'D:		
ORIGINAL ISSUED:		PROJECT NAME: SVT-2 PRO
		DRAWING NAME: PRE AMP SCHEMATIC
PLOT DATE: 05/18/94		
PLOT TIME: 09:42:37		DRAWING NO: 075519-03
		REV: 3
FILE NAME: 51903-02		SCALE: 1:1
		SHEET: 1 OF 1