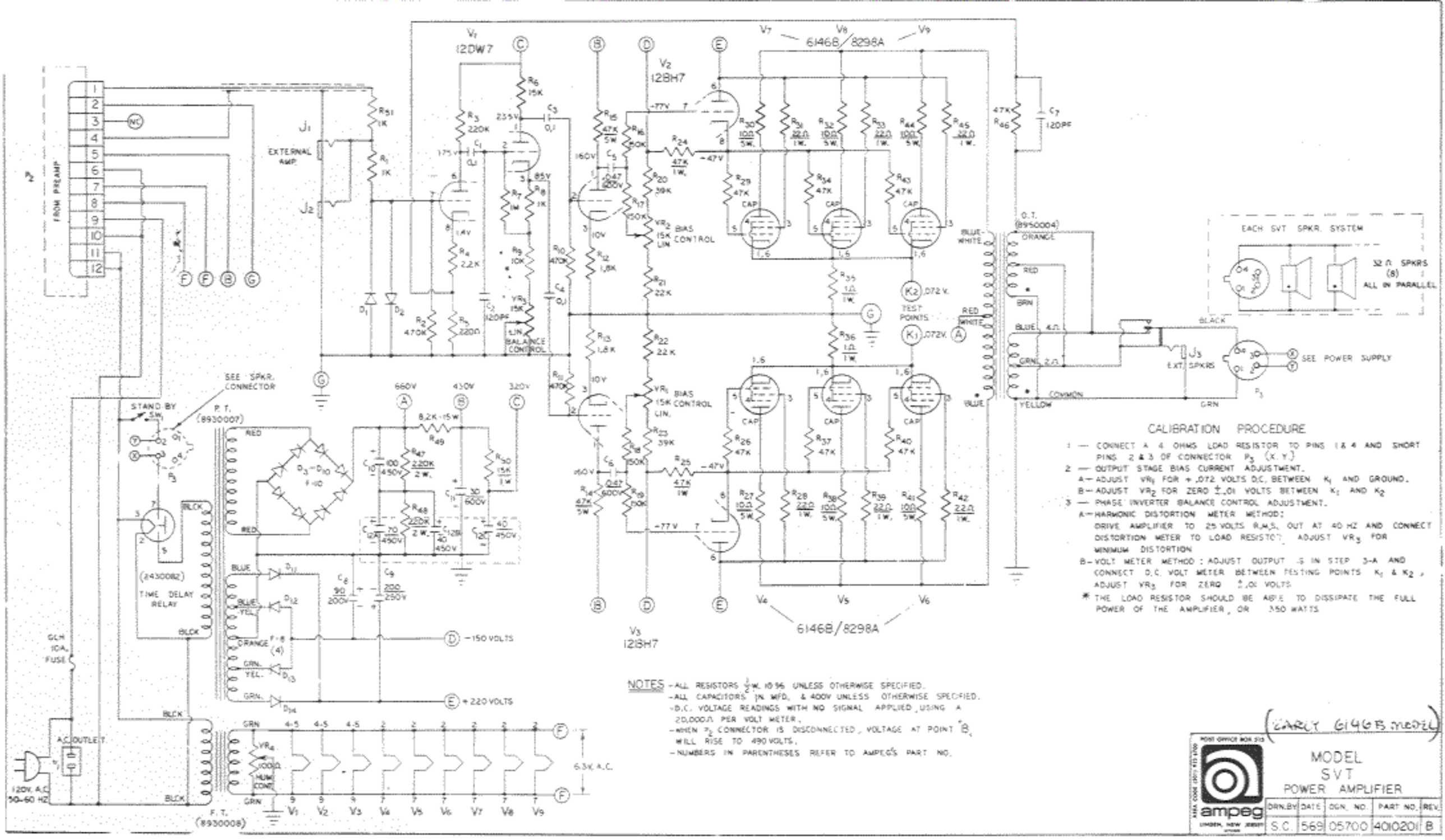

CALIBRATION PROCEDURE

1 — CONNECT A 4 OHMS LOAD RESISTOR TO PINS 1 & 4 AND SHORT PINS 2 & 3 OF CONNECTOR P_3 (X, Y).

2 — OUTPUT STAGE BIAS CURRENT ADJUSTMENT.

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 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 TESTING 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 350 WATTS

NOTES — ALL RESISTORS ½ W. 10 % UNLESS OTHERWISE SPECIFIED.
— ALL CAPACITORS 1/N MFD. & 400V UNLESS OTHERWISE SPECIFIED.
— D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED, USING A 20,000 Ω PER VOLT METER.
— WHEN P_2 CONNECTOR IS DISCONNECTED, VOLTAGE AT POINT "B" WILL RISE TO 490 VOLTS.
— NUMBERS IN PARENTHESES REFER TO AMPEG'S PART NO.

(EARLY 6146B model)

ampeg
LINDEN, NEW JERSEY

MODEL
SVT
POWER AMPLIFIER

DRN. BY	DATE	DGN. NO.	PART NO.	REV.
S.C.	569	05700	4010201	B