


**CALIBRATION PROCEDURE**

- 1 - CONNECT A 4 OHMS LOAD RESISTOR TO PINS 1 & 4 AND SHORT PINS 2 & 3 OF CONNECTOR P<sub>3</sub> (X, Y.)
  - 2 - OUTPUT STAGE BIAS CURRENT ADJUSTMENT.
  - A - ADJUST VR<sub>1</sub> FOR +.072 VOLTS D.C. BETWEEN K<sub>1</sub> AND GROUND.
  - B - ADJUST VR<sub>2</sub> FOR ZERO ±.01 VOLTS BETWEEN K<sub>1</sub> AND K<sub>2</sub>
  - 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<sub>3</sub> FOR MINIMUM DISTORTION
- B - VOLT METER METHOD:** ADJUST OUTPUT 5 IN STEP 3-A AND CONNECT D.C. VOLT METER BETWEEN TESTING POINTS K<sub>1</sub> & K<sub>2</sub>. ADJUST VR<sub>3</sub> 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 1N MFD. & 400V UNLESS OTHERWISE SPECIFIED.  
 - D.C. VOLTAGE READINGS WITH NO SIGNAL APPLIED, USING A 20,000Ω PER VOLT METER.  
 - WHEN P<sub>3</sub> CONNECTOR IS DISCONNECTED, VOLTAGE AT POINT B<sub>1</sub> WILL RISE TO 480 VOLTS.  
 - NUMBERS IN PARENTHESES REFER TO AMPEX'S PART NO.

(EARLY 6146B MODEL)



**MODEL SVT POWER AMPLIFIER**

DRN. BY	DATE	DGN. NO.	PART NO.	REV.
S.C.	5/69	05700	4010201	B