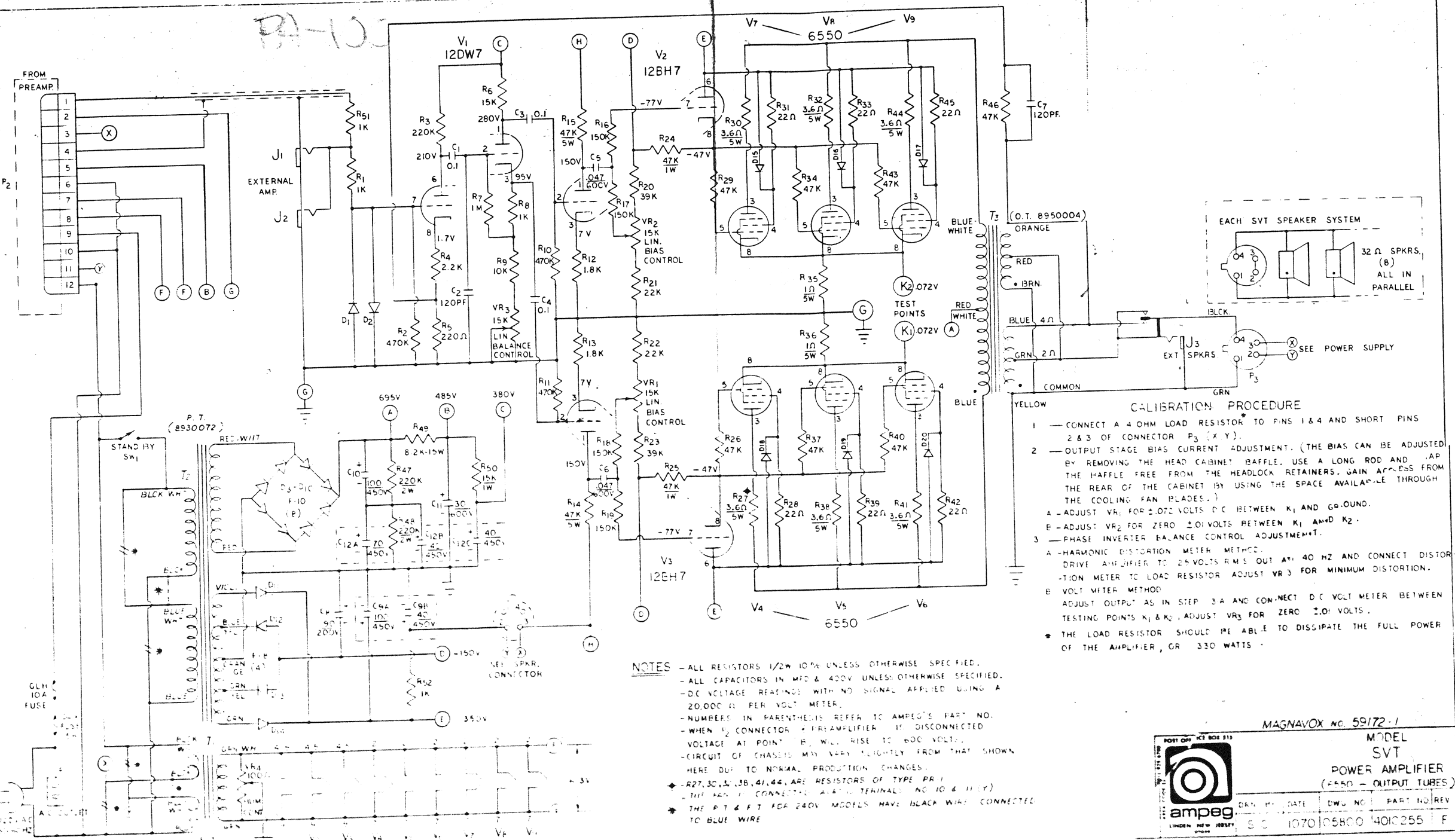


PA-105

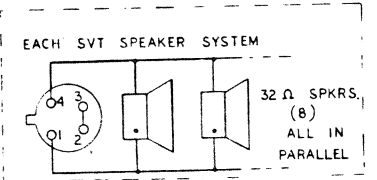


NOTES - ALL RESISTORS 1/2W 10% UNLESS OTHERWISE SPECIFIED.
 - ALL CAPACITORS IN MFD & 400V UNLESS OTHERWISE SPECIFIED.
 - DC VOLTAGE READINGS WITH NO SIGNAL APPLIED USING A 20,000 Ω PER VOLT METER.
 - NUMBERS IN PARENTHESES REFER TO AMPER'S PART NO.
 - WHEN 1/2 CONNECTOR & PREAMPLIFIER IS DISCONNECTED VOLTAGE AT POINT "B" WILL RISE TO 600 VOLTS.
 - CIRCUIT OF CHASSIS MAY VARY SLIGHTLY FROM THAT SHOWN HERE DUE TO NORMAL PRODUCTION CHANGES.
 * R27, 30, 41, 38, 41, 44, ARE RESISTORS OF TYPE PR 1
 * THE FAN IS CONNECTED AS FOLLOWS: TERMINALS NO 10 & 11 (Y)
 * THE P.T. & FT. FOR 240V MODELS HAVE BLACK WIRE CONNECTED TO BLUE WIRE

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 1.072 VOLTS D.C. BETWEEN K₁ AND GND.
 - 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 RMS OUT AT 40 HZ AND CONNECT DISTORTION METER TO LOAD RESISTOR. ADJUST VR₃ FOR MINIMUM DISTORTION.
 - VOLT METER METHOD. ADJUST OUTPUT AS IN STEP 3A 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.



MAGNAVOX NO. 59172-1

MODEL SVT POWER AMPLIFIER (6550 - OUTPUT TUBES)

ampeg LONDON NEW YORK

DATE: 5-5-60 DWG NO: 1070105800 PART NO: REV 14010255 F