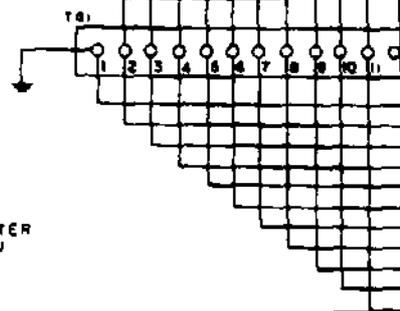
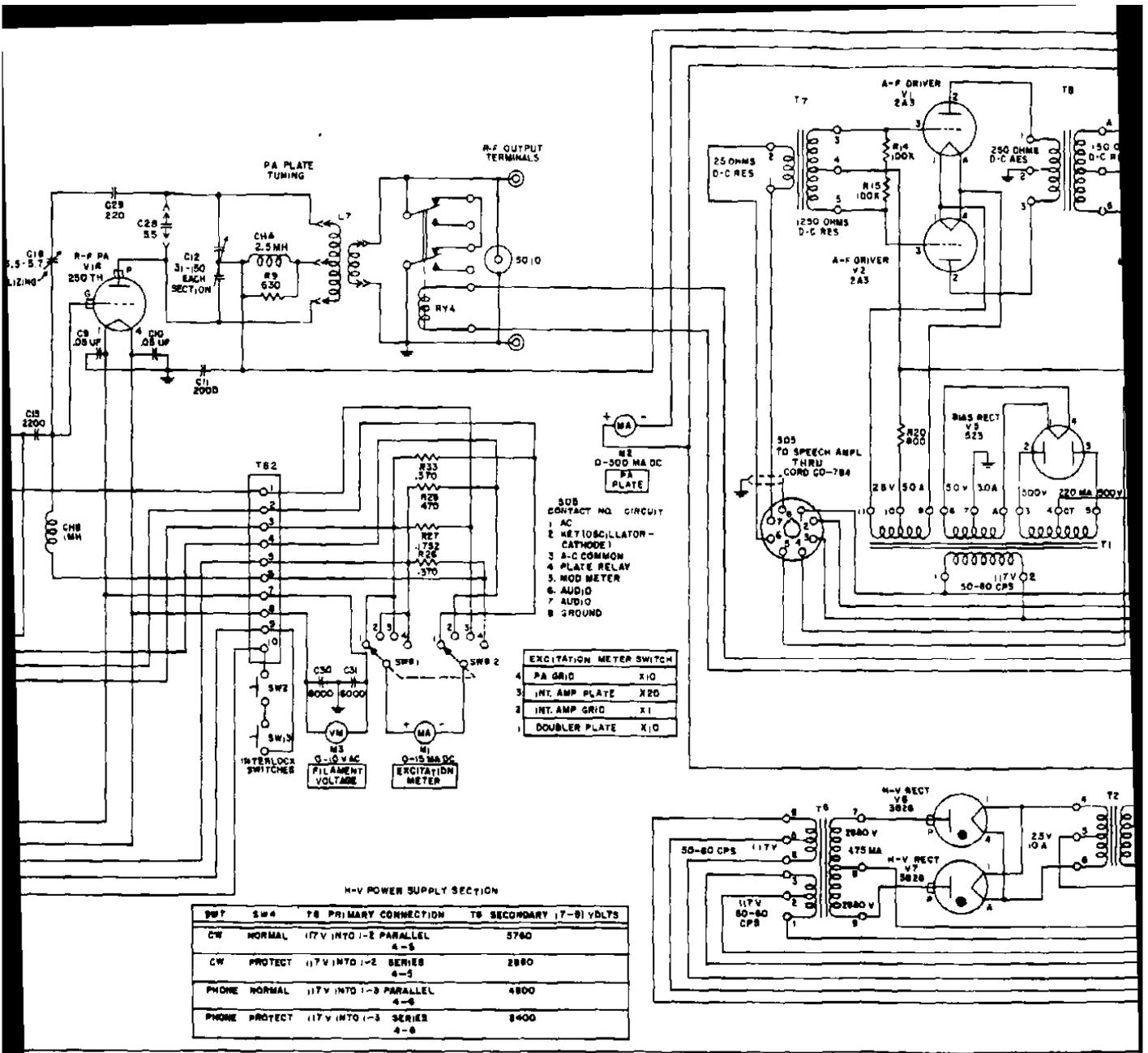


NOTES

- 1 UNLESS OTHERWISE SHOWN RESISTORS ARE IN OHMS, CAPACITORS ARE IN UUF
- 2 FOR CONVENTIONAL OPERATION CONNECT JUMPER ON TS15 AS SHOWN FOR REMOTE CONTROL OF T6, REMOVE JUMPER AND CONNECT CORD CX-911/2 TO TS15
- 3 THIS DIAGRAM ALSO APPLIES TO THE H MODEL, SERIAL NUMBERS 821 THRU 372 ON ORDER NO 307B PHILA - 51
- 4 RESISTOR R38 (12 OHMS) IS ADDED IN SERIES WITH ONE LEAD OF METER M1 ON THE I MODEL TRANSMITTERS WITH SERIAL NUMBERS 1 THRU 300 ON ORDER NO 3131 - PHILA - 51





H-V POWER SUPPLY SECTION

SW1	SW4	T8 PRIMARY CONNECTION	T8 SECONDARY (7-8) VOLTS
CW	NORMAL	(17V INTO 1-2 PARALLEL 4-5)	5780
CW	PROTECT	(17V INTO 1-2 SERIES 4-5)	2880
PHONE	NORMAL	(17V INTO 1-3 PARALLEL 4-5)	4800
PHONE	PROTECT	(17V INTO 1-3 SERIES 4-5)	2400

Figure 81 Radio Transmitter BC-810-I and Radio Transmitter BC-810-II (series 3078-Phila-51) schematic diagram

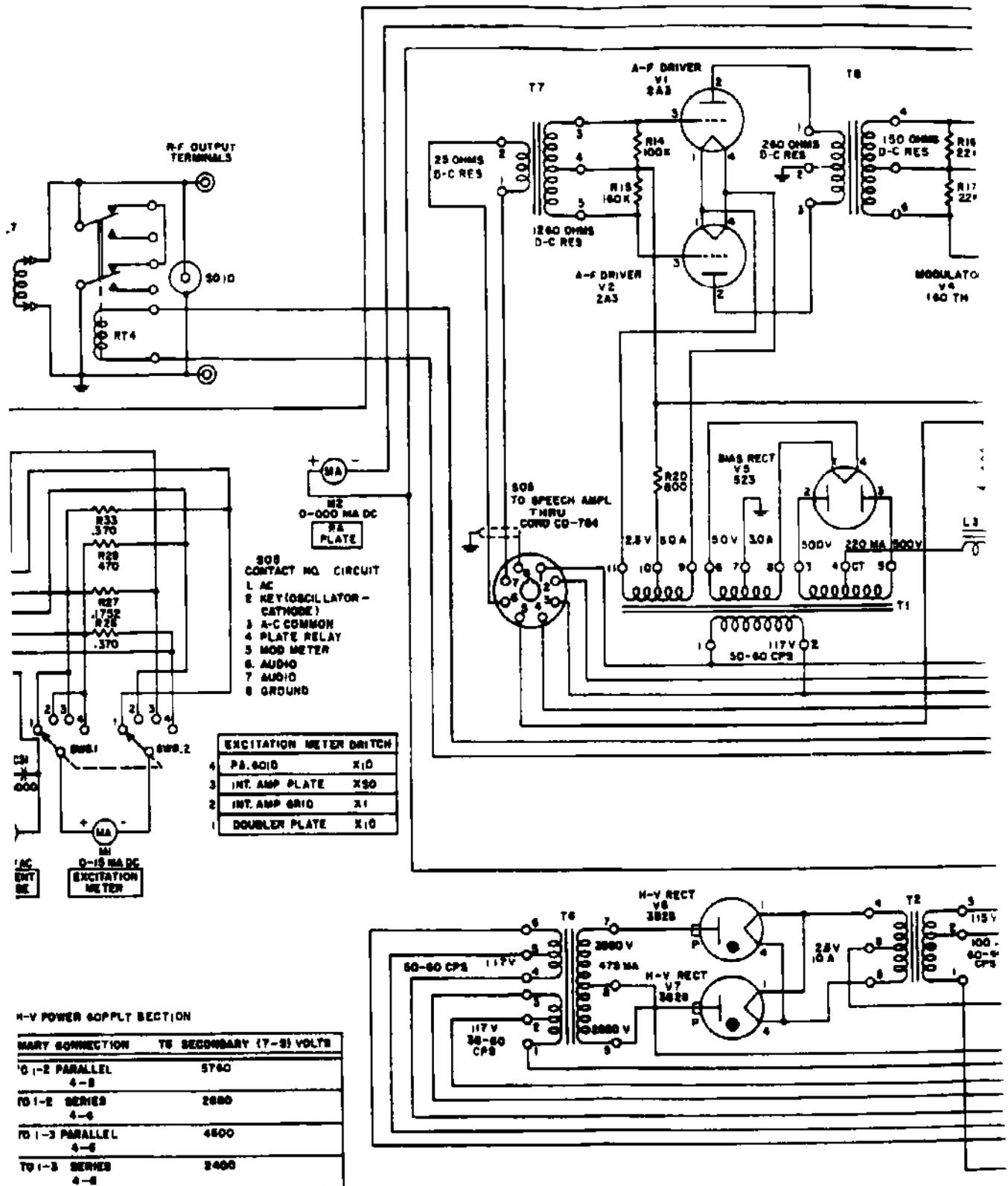
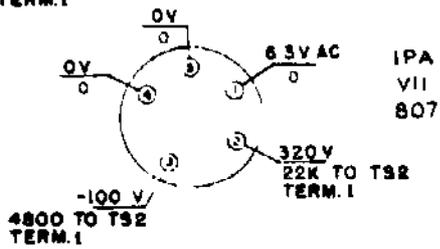
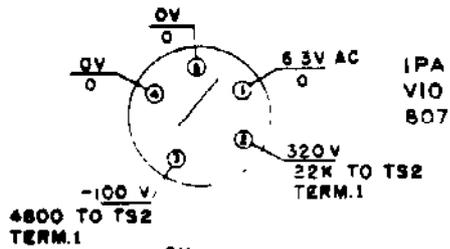
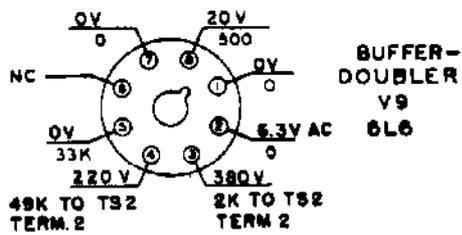
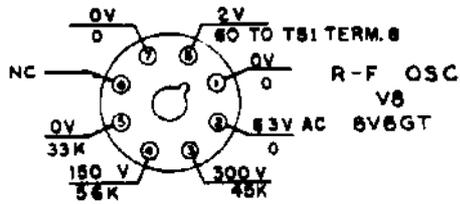
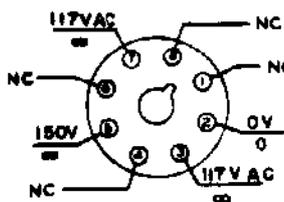


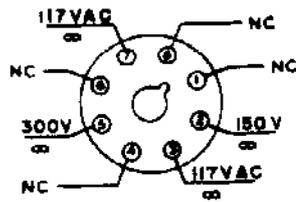
Figure 81. Radio Transmitter BC-610-1 and Radio Transmitter BC-610-H (serial Nos 307R-Ph(1a-5)) schematic diagram



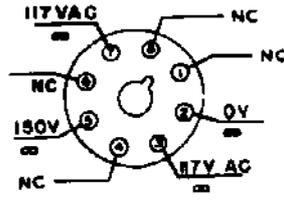
VOLTAGE REG V15 0D3



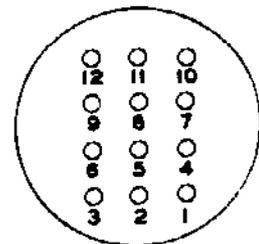
VOLTAGE REG V14 0D3



VOLTAGE REG V13 0D3

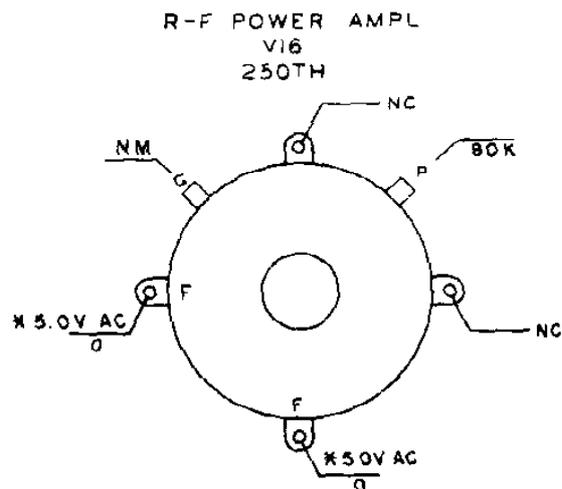


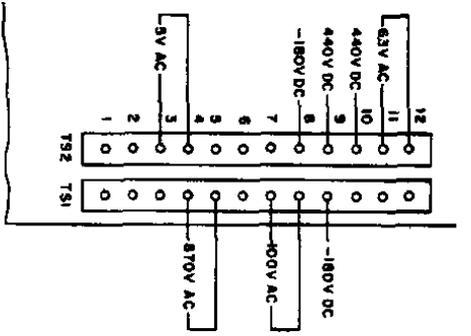
T4



NOTES

- 1 115V A-C INPUT
2. VOLTAGES AND RESISTANCES MEASURED TO GROUND WITH A 20,000 OHM-PER-VOLT METER, USE HIGHER METER RANGES TO PREVENT CIRCUIT LOADING.
3. NC INDICATES NO CONNECTION.
- 4 * INDICATE MEASUREMENT ACROSS FILAMENT.
5. NM INDICATES NOT MEASURED.
- 6 REFER TO TROUBLE SHOOTING SECTION IN TEXT BEFORE TAKING HIGH VOLTAGE MEASUREMENTS.
- 7 DO NOT MAKE RESISTANCE MEASUREMENTS WITH AC LINE CONNECTED
- 8 DISCHARGE STORED VOLTAGES BY SHORTING CHECK POINTS TO CHASSIS BEFORE ATTEMPTING RESISTANCE MEASUREMENTS.
9. FINAL TANK COIL L7 AND TUNING UNITS INSERTED.





NOTES:

- 1. VOLTAGE MEASUREMENTS
- TEST FREQUENCY 2 MC.
- ALL VOLTAGES MEASURED WITH 1,000 OHM-PER-VOLT VOLTMETER.
- ALL VOLTAGES MEASURED TO CHASSIS UNLESS OTHERWISE INDICATED.
- RESISTANCE MEASUREMENTS
- ALL TUBES REMOVED.
- A-C POWER CORD PLUG REMOVED.
- SPEECH AMPLIFIER CORD PLUG REMOVED.
- ALL OTHER PLUGS IN PLACE.
- ALL RESISTANCE MEASURED TO CHASSIS UNLESS OTHERWISE INDICATED.
- ANY TUNING UNIT IN PLACE.
- BAND SWITCH AT CORRESPONDING POSITION.
- MODULATOR BIAS CONTROL FULLY CLOCKWISE.
- CW PHONE SWITCH AT PHONE POSITION.
- POSITION OF OTHER CONTROLS IMMATERIAL.
- NC=NO CONNECTION.
- * MEASURED AT TERMINAL 3 OF T91.
- ** DEPENDS ON POSITION OF TAP ON R11.

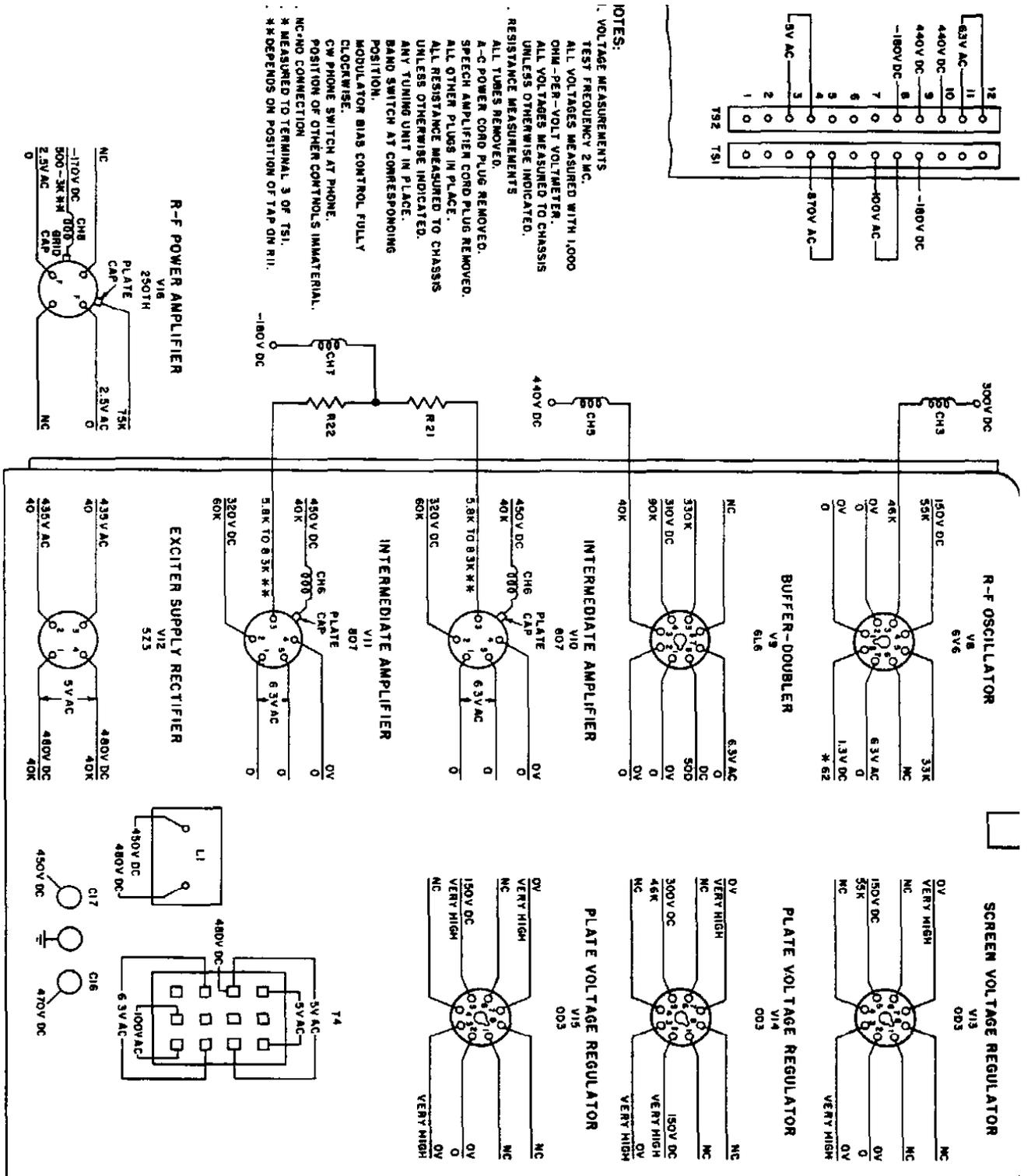
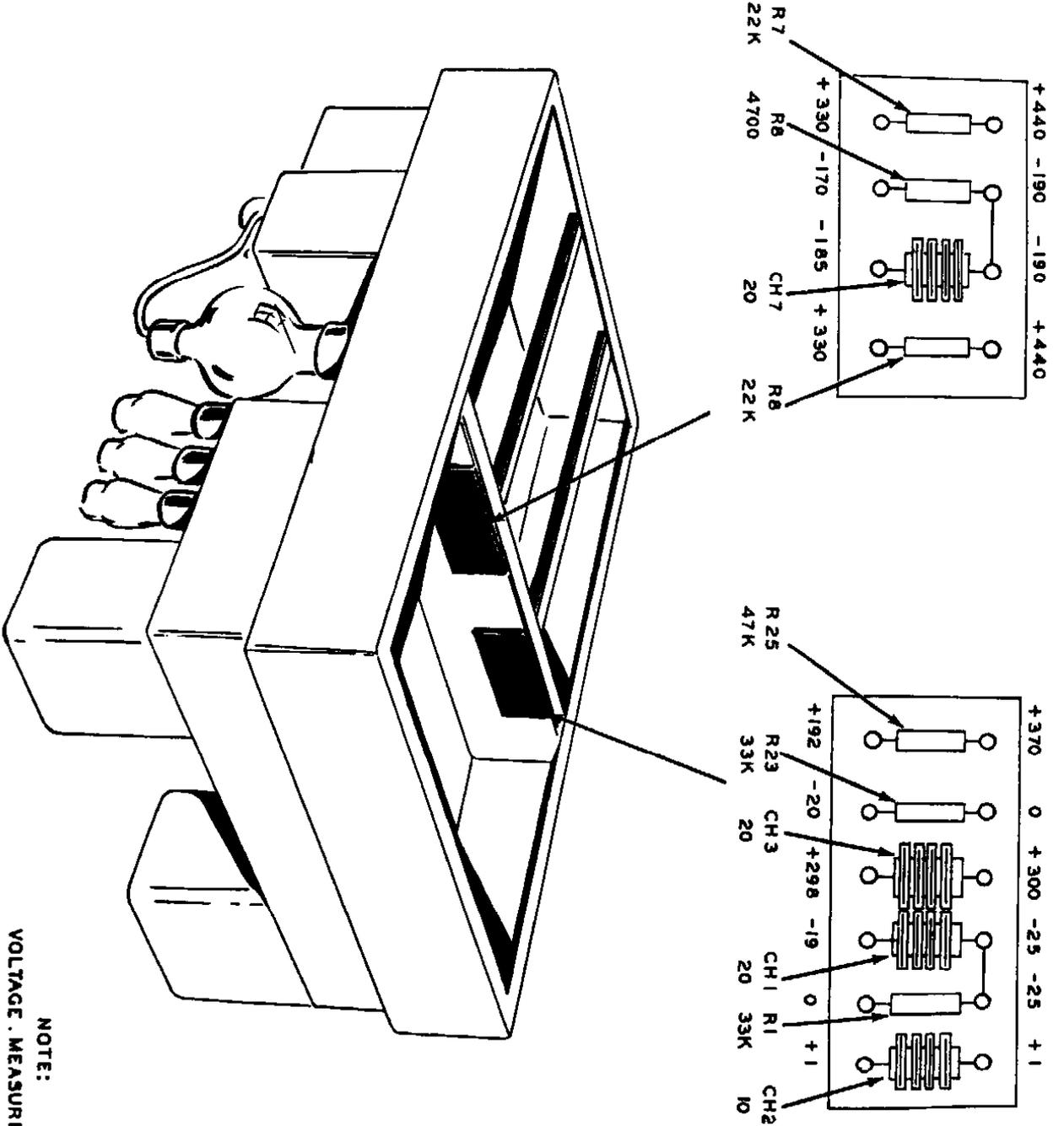


Figure 68. Final deck voltages and resistances R model.



NOTE:
 VOLTAGE MEASUREMENTS
 ARE MADE TO CHASSIS
 WITH A VTVM.

TM 826-4

Figure 61. Resistor bank resistors and connector board positions and connections.