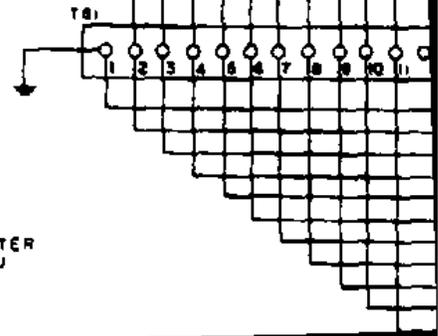


NOTES

- 1 UNLESS OTHERWISE SHOWN RESISTORS ARE IN OHMS, CAPACITORS ARE IN UUF
- 2 FOR CONVENTIONAL OPERATION CONNECT JUMPER ON T81S AS SHOWN FOR REMOTE CONTROL OF T6, REMOVE JUMPER AND CONNECT CORD CX-911/U TO T81S
- 3 THIS DIAGRAM ALSO APPLIES TO THE H MODEL, SERIAL NUMBERS 821 THRU 972 UN ORDER NO 307B PHILA-51
- 4 RESISTOR R38 (2 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



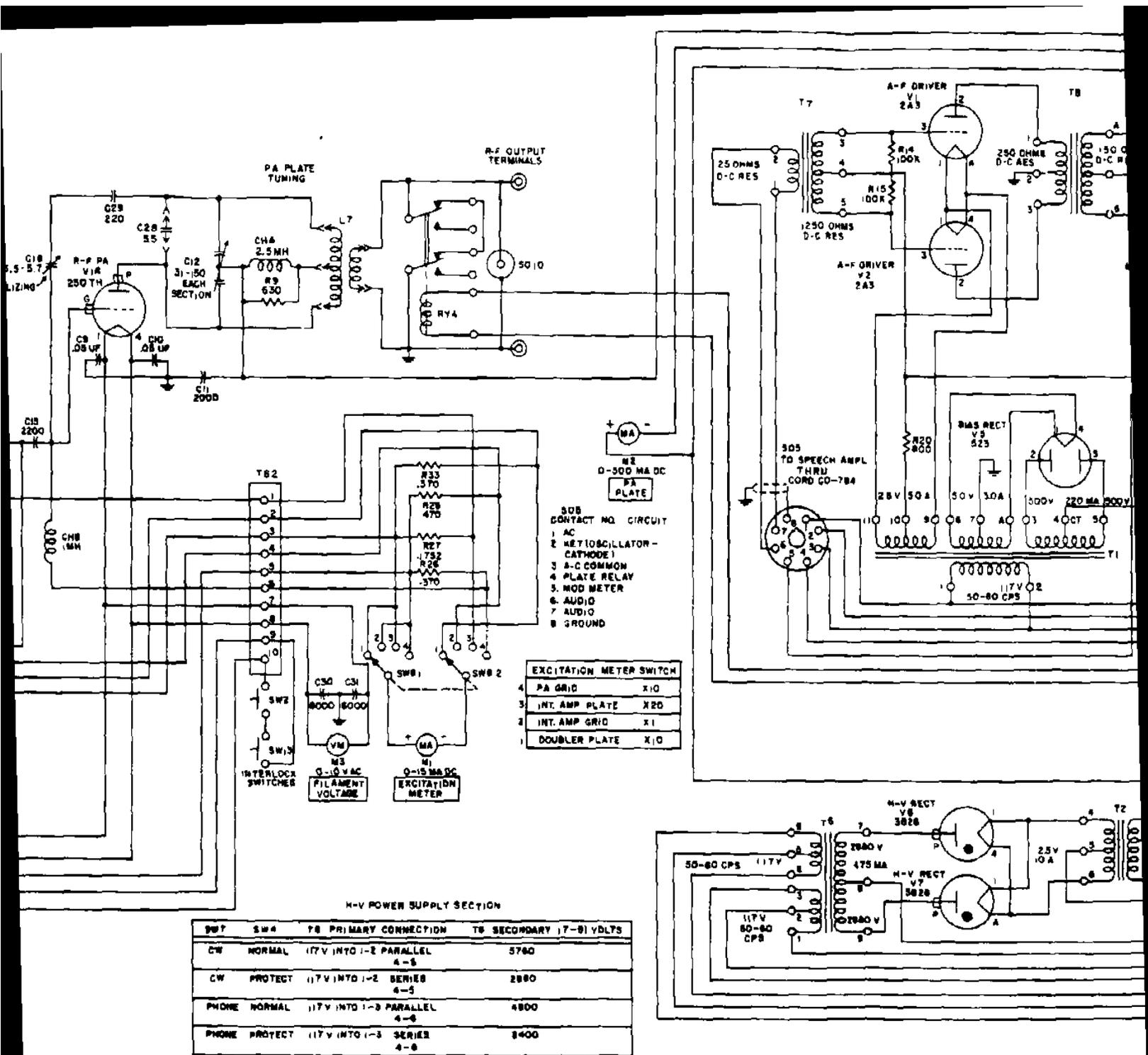
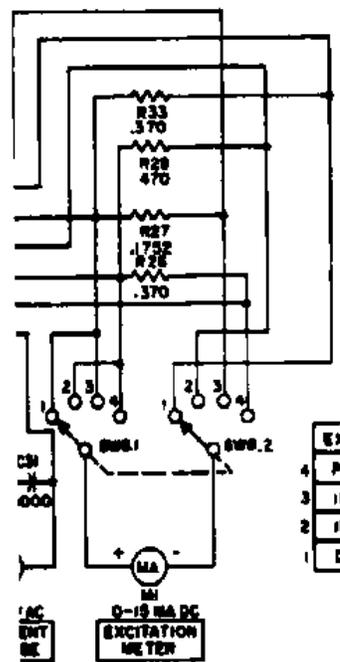
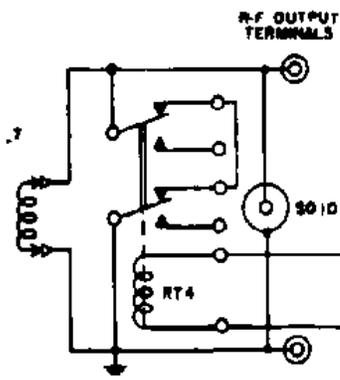
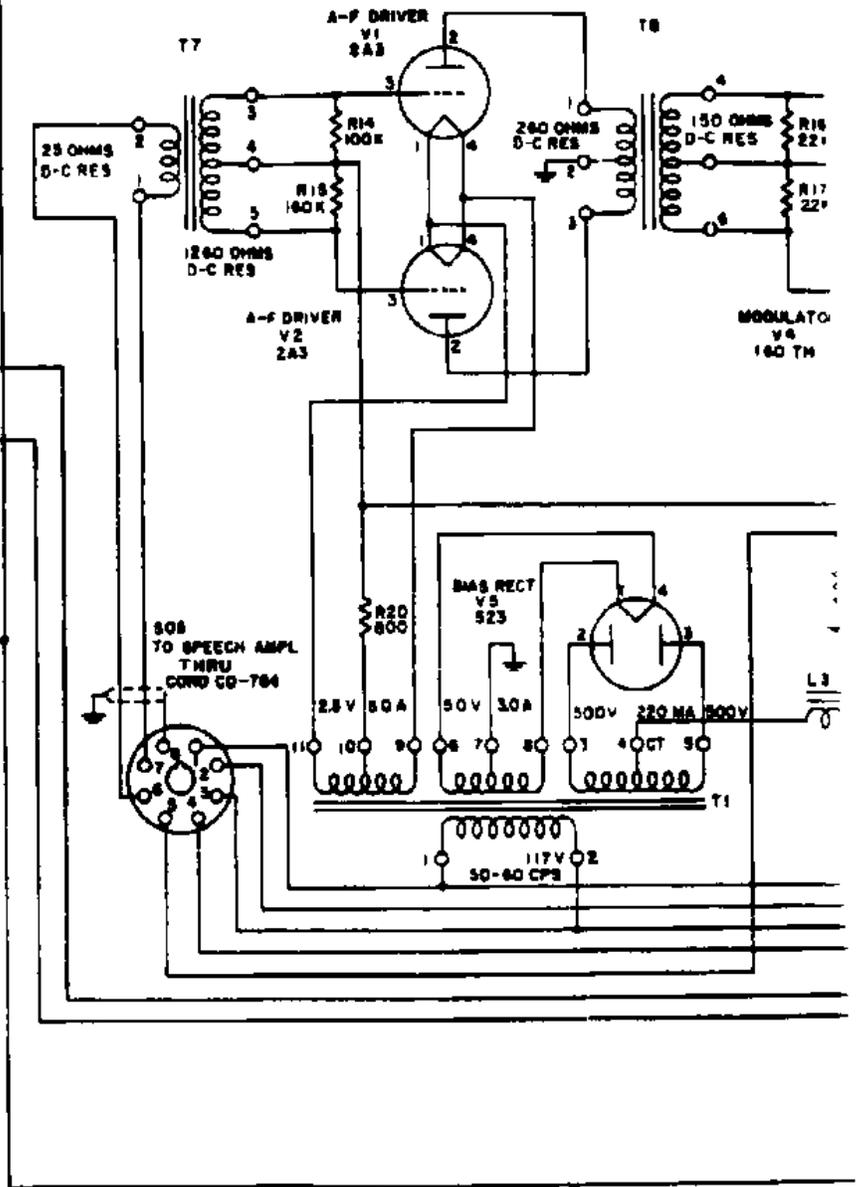


Figure 81 Radio Transmitter BC-810-I and Radio Transmitter BC-810-II (series 3078-Phila-51) schematic diagram



308 CONTACT NO. CIRCUIT
 1 AC
 2 KEY (OSCILLATOR - CATHODE)
 3 A-C COMMON
 4 PLATE RELAY
 5 MOD METER
 6 AUDIO
 7 AUDIO
 8 GROUND

EXCITATION METER DRITCH	
4	PA. GRID X10
3	INT. AMP PLATE X50
2	INT. AMP GRID X1
1	DOUBLER PLATE X10



H-V POWER SUPPLY SECTION

PRIMARY CONNECTION	TS SECONDARY (7-8) VOLTS
T0 1-2 PARALLEL 4-8	5700
T0 1-2 SERIES 4-8	2800
T0 1-3 PARALLEL 4-8	4500
T0 1-3 SERIES 4-8	2400

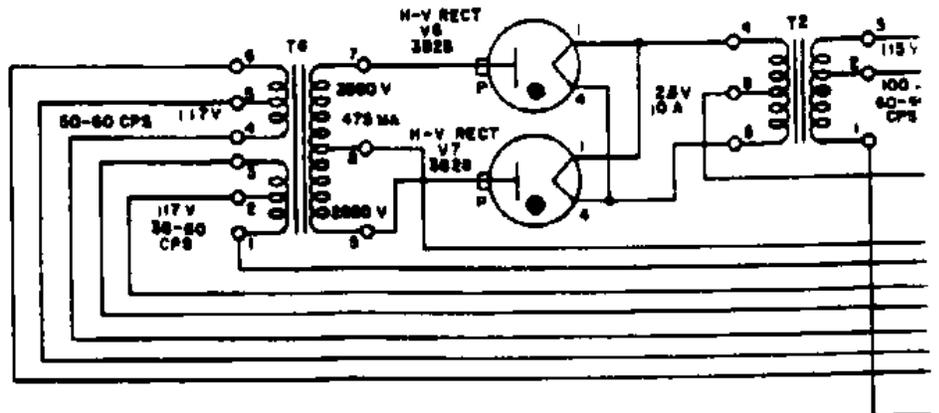
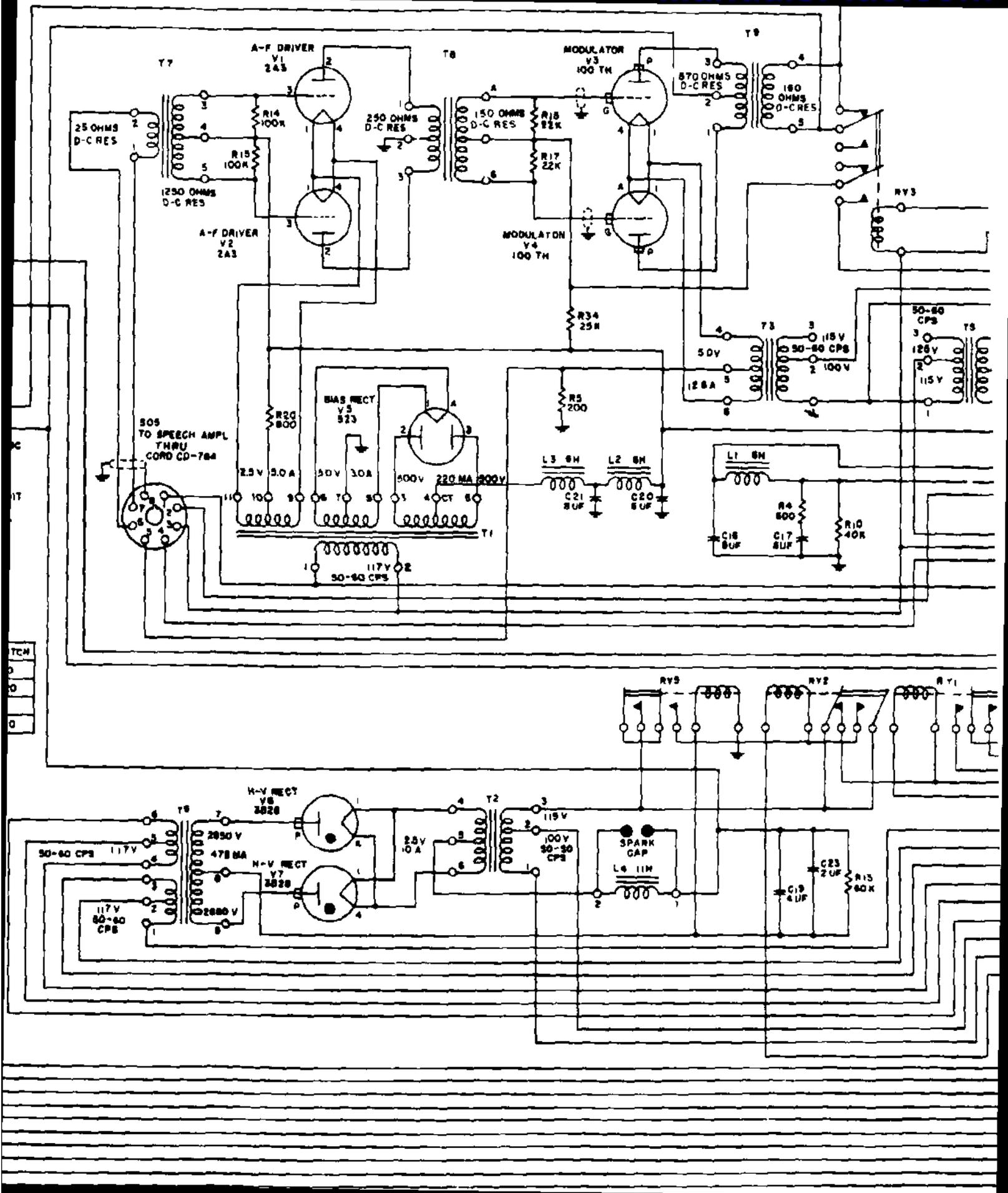
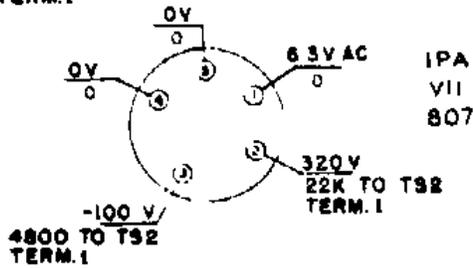
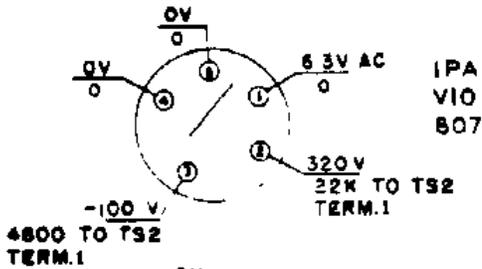
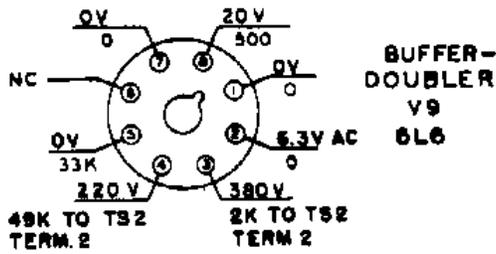
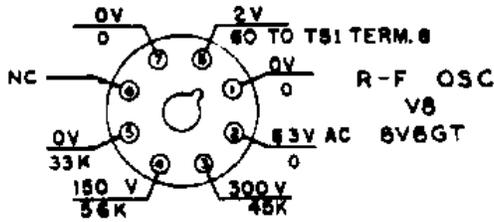
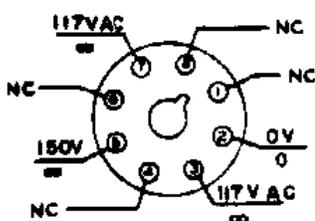


Figure 81. Radio Transmitter BC-610-I and Radio Transmitter BC-610-H (serial Nos 3078-DK; (a, b) schematic diagram)

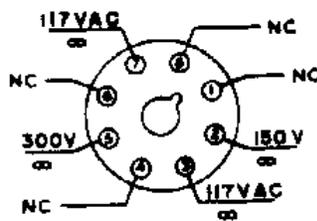




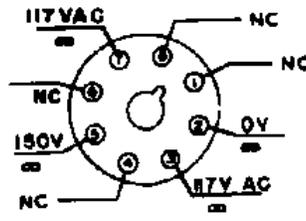
VOLTAGE REG V15
003



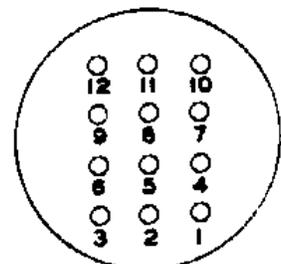
VOLTAGE REG V14
003



VOLTAGE REG V13
003

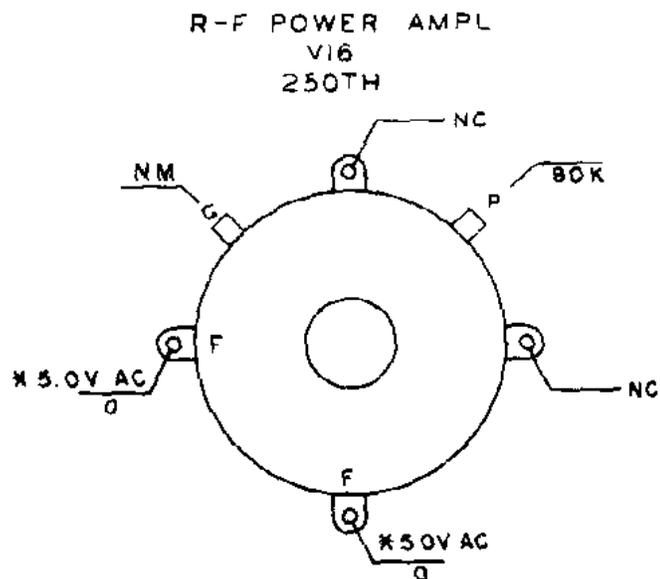


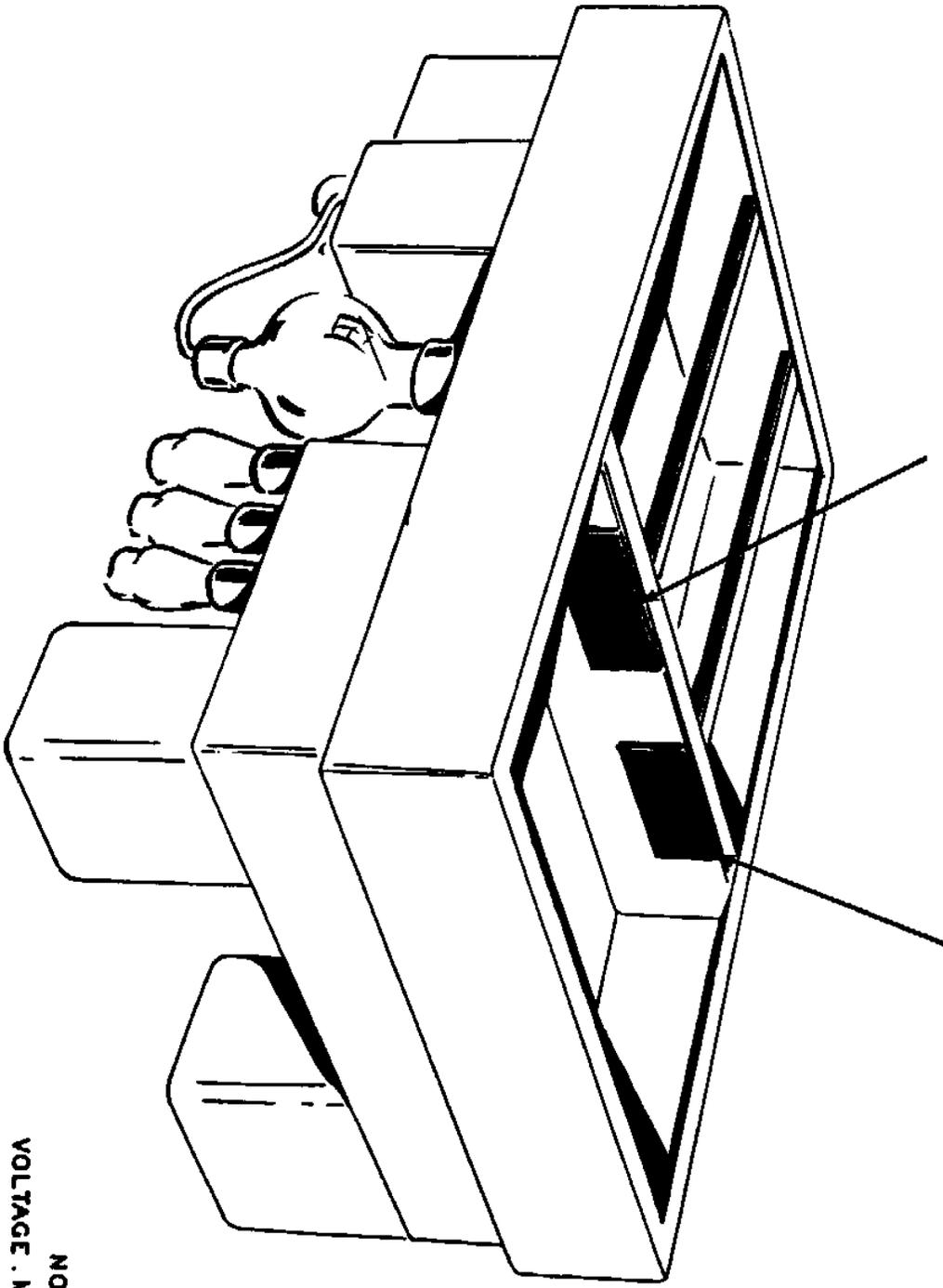
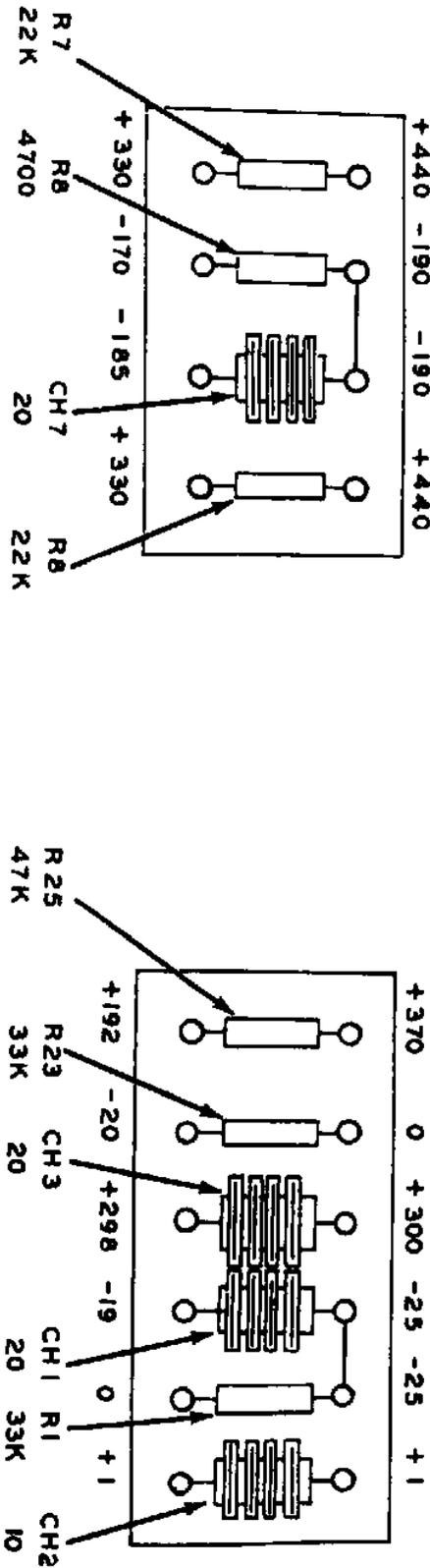
T4



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.





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

Figure 81. Resistor and capacitor connections for chassis and components.