

**SCHEMATIC OF THE  
HEATHKIT®  
MOBILE RECEIVER  
MODEL HR-20**

**NOTES:**

BANDSWITCH WAFERS ARE SHOWN IN 80 METER POSITION.  
 FUNCTION SWITCH IS SHOWN IN AM POSITION.  
 AVC SWITCH IS SHOWN IN OFF POSITION.

ALL VOLTAGE READINGS ARE DC FROM POINT INDICATED TO CHASSIS GROUND AND ARE MADE USING AN 11 MEGOHM VTVM.  
 10% VARIATION IN READING SHOULD BE ALLOWED FOR DIFFERENCES IN METER CALIBRATION.

ALL RESISTORS ARE 1/2 WATT UNLESS SHOWN OTHERWISE.  
 ALL CAPACITOR VALUES ARE IN  $\mu\text{f}$  UNLESS SHOWN OTHERWISE

ALL RESISTOR VALUES ARE IN OHMS | K = 1,000 OHMS, MEG = 1,000,000 OHMS.

VOLTAGES SHOWN ARE BASED ON USING THE HEATHKIT TRANSISTOR POWER SUPPLY.

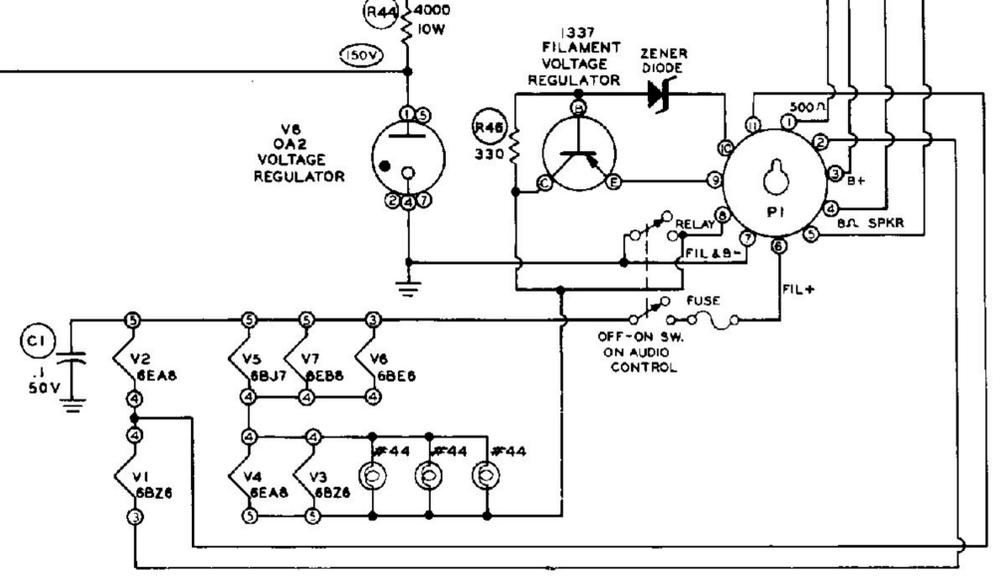
BATTERY TERMINAL POTENTIAL IS 12.6 VOLTS - VARIATIONS WILL CAUSE CORRESPONDING DIFFERENCES IN READING.

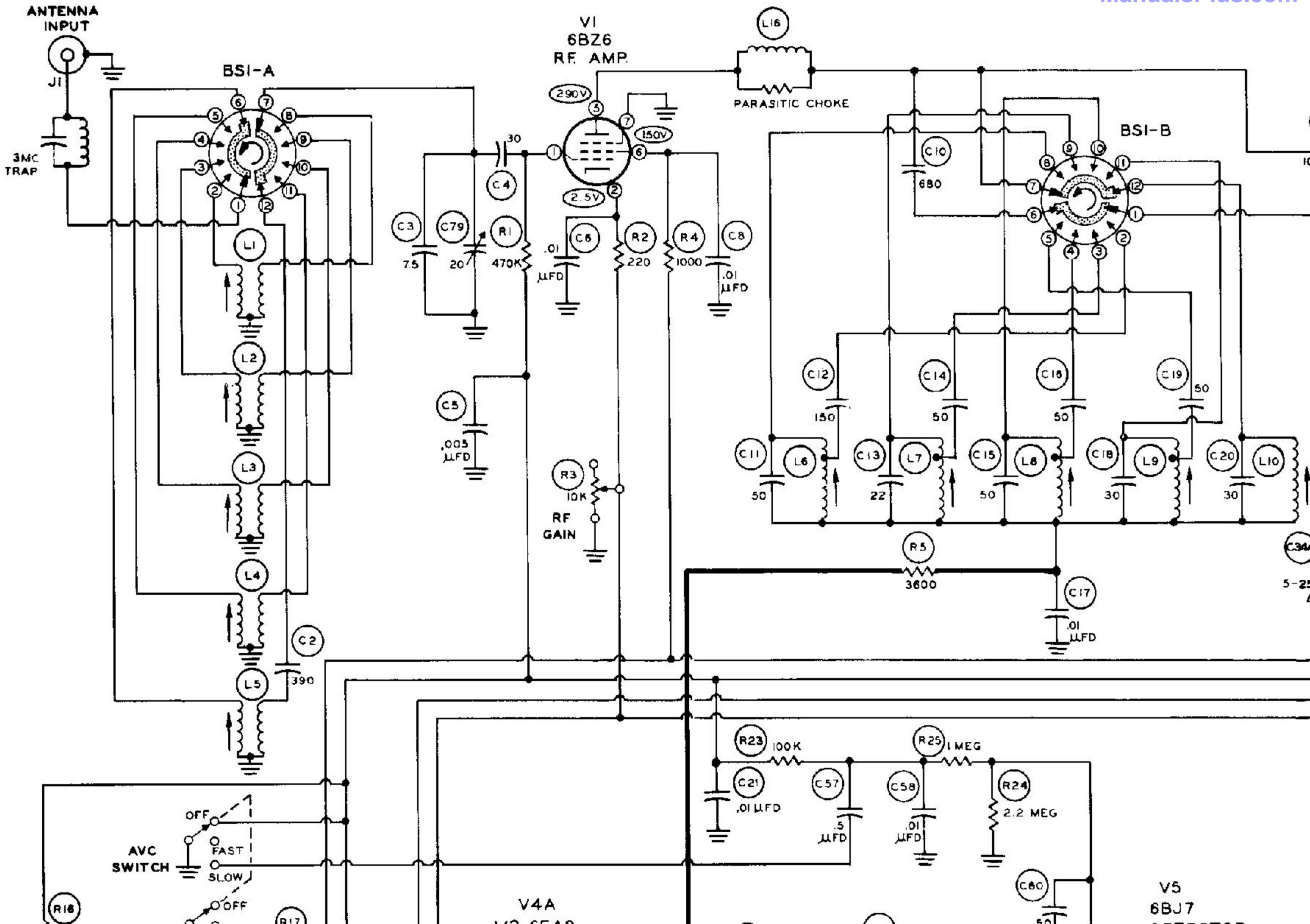
ALL VOLTAGES ARE BASED ON "NO SIGNAL" CONDITIONS, WITH MAXIMUM RF GAIN

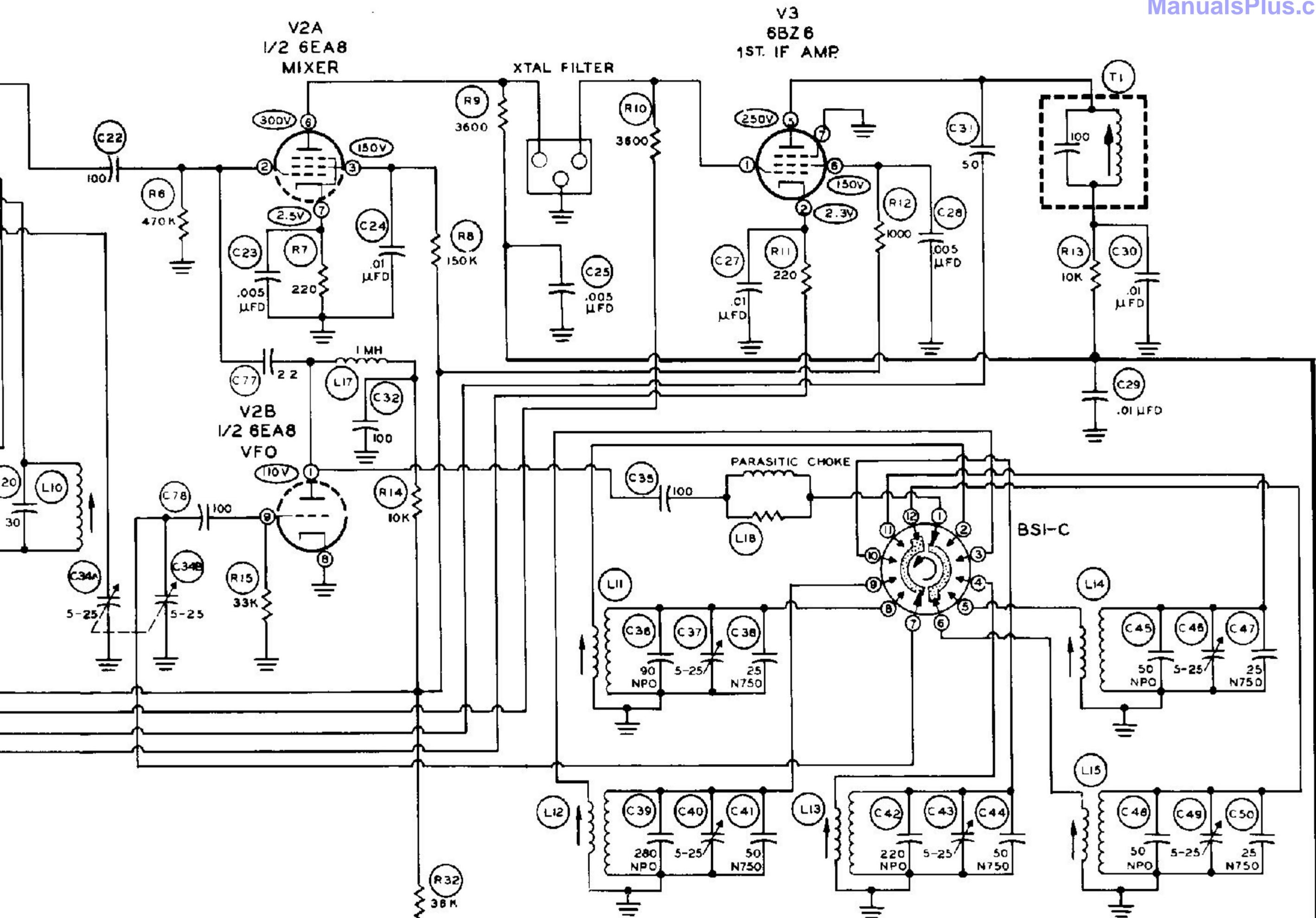
THE FOLLOWING OSCILLATOR GRID VOLTAGES ARE MADE WITH A RF PROBE AT OSCILLATOR PIN 9:

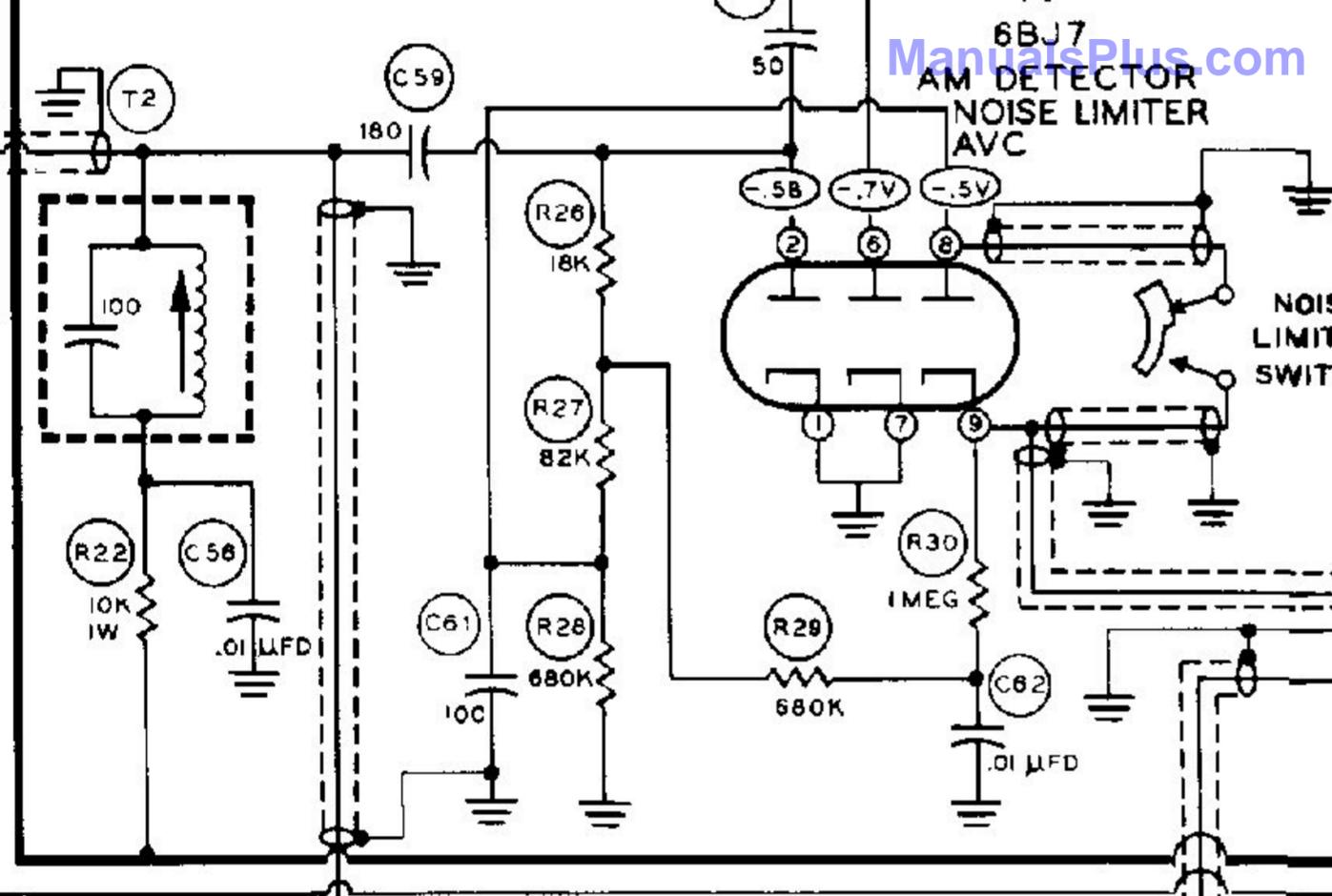
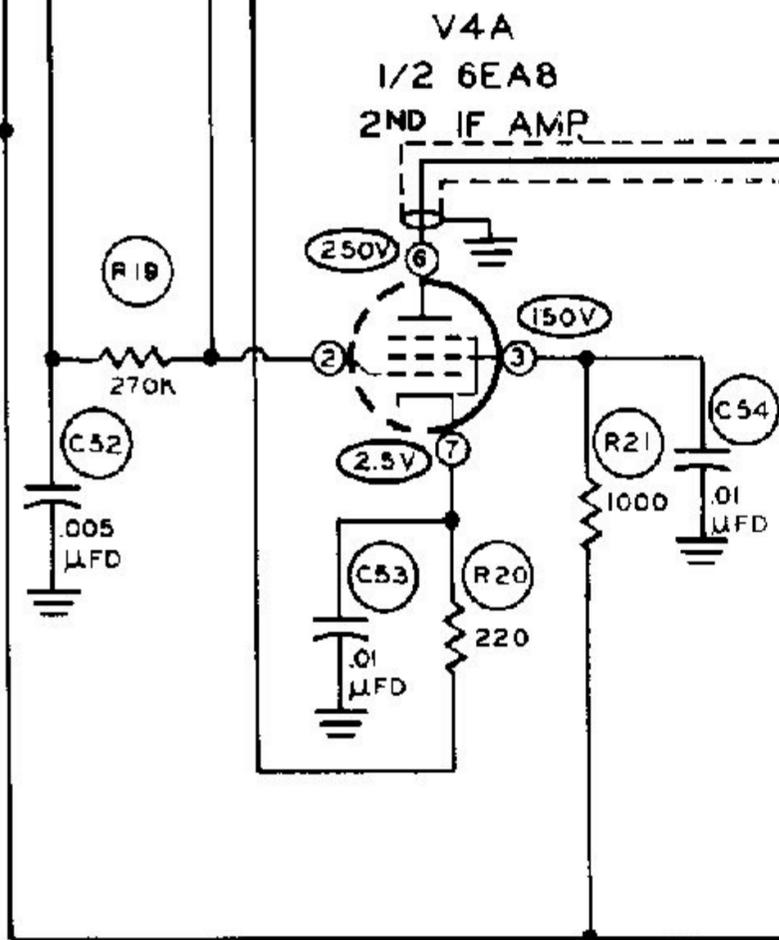
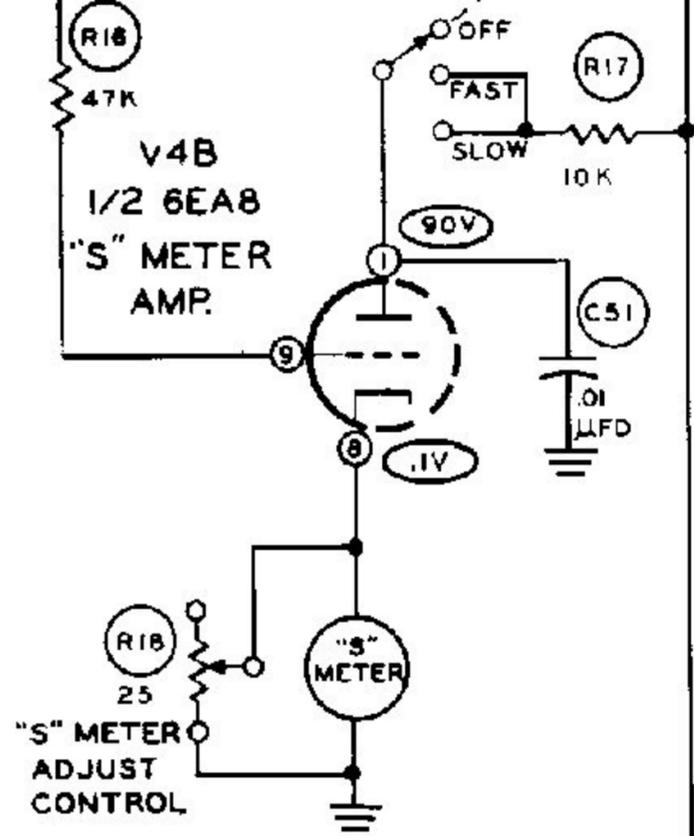
80 METERS	- 5 V
40 METERS	- 2 V
20 METERS	- 6 V
15 METERS	- 3.5 V
10 METERS	- 3 V

WIRING SHOWN IS FOR NEGATIVE GROUND VEHICLES.









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