



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

**NOTES:**

- BANDSWITCH WAFERS ARE SHOWN IN 90 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.

