

**SCHEMATIC OF THE  
HEATHKIT®  
RADIO DIRECTION FINDER  
MODEL MR-18**

NOTES:


1. COMPONENT PART NUMBERS ARE IN THE FOLLOWING GROUPS:  
 1-99 ANTENNA SWITCHBOARD.  
 100-199 RF SWITCHBOARD.  
 200-299 OSCILLATOR SWITCHBOARD.  
 300-399 RECEIVER CIRCUIT BOARD  
 400-499 CHASSIS.


2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE.

3. CAPACITOR VALUES ARE IN  $\mu\text{F}$  UNLESS MARKED OTHERWISE.

4. BAND SWITCH WAFERS ARE IN BAND D POSITION AS VIEWED FROM THE KNOB END OF THE SWITCH SHAFT.


5. VOLTAGE MEASUREMENTS ARE MADE WITH THE SWITCHES AND CONTROLS IN THE FOLLOWING POSITIONS:  
 SENSITIVITY - FULLY CLOCKWISE.  
 VOLUME-OFF - 1/4 TURN CLOCKWISE.  
 SENSE-DF - DF POSITION.  
 AM-CW/SSB - CW/SSB POSITION.  
 ANL-ON - ON POSITION.  
 BAND - BAND D POSITION.  
 TUNING - ANY DIAL LOCATION.

6.  THIS SYMBOL INDICATES THAT A PART IS MOUNTED ON THE CHASSIS EVEN THOUGH ITS POSITION ON THE SCHEMATIC SUGGESTS ANOTHER LOCATION.

7.  THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT TAKEN WITH AN 11 MEGOHM INPUT VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY  $\pm 20\%$ .

8.  THIS SYMBOL INDICATES AN RF VOLTAGE.

9.  THIS SYMBOL INDICATES A COMMON CIRCUIT BOARD FOIL.

10.  THIS SYMBOL INDICATES CHASSIS GROUND.

11.  THIS SYMBOL INDICATES CONNECTING POINTS TO THE CIRCUIT BOARD.

12.  THIS SYMBOL INDICATES A CIRCUIT BOARD CONNECTOR PIN.

13.  THIS SYMBOL INDICATES CLOCKWISE ROTATION OF CONTROLS AS VIEWED FROM THE KNOB END OF THE SHAFT.

14.  THIS SYMBOL INDICATES A SLIDE SWITCH.

15.  THIS SYMBOL INDICATES A ROCKER SWITCH.

16.  THIS SYMBOL INDICATES THE GROUND CONNECTIONS MADE BY THE CIRCUIT BOARD GUIDES.

17. THE DOT LOCATED ON THE ROTOR OF SOME SWITCHES INDICATES A TIE PIN WHICH CONNECTS A CONTACT ON ONE SIDE OF THE ROTOR TO CONTACTS ON THE OTHER SIDE OF THE SAME ROTOR.

