



**SCHEMATIC OF THE HEATHKIT® TWO METER AM TRANSCEIVER MODEL HW-17**

1. RESISTOR, CAPACITOR, AND DIODE NUMBERS ARE IN THE FOLLOWING GROUPS:  
 0-99 PARTS MOUNTED IN THE TUNER  
 100-199 PARTS MOUNTED ON THE TRANSMITTER CIRCUIT BOARD  
 200-299 PARTS MOUNTED ON THE RECEIVER CIRCUIT BOARD  
 300-399 PARTS MOUNTED ELSEWHERE
2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS OR K=1,000, M=1,000,000.
3. CAPACITOR VALUES LESS THAN 1 ARE IN μF. VALUES OF 1 AND ABOVE ARE μF UNLESS THEY ARE MARKED OTHERWISE.
4. ARROW → INDICATES CLOCKWISE ROTATION OF SWITCH SHAFT (VIEWED FROM KNOB END).
5. SWITCHES ARE SHOWN IN THE FOLLOWING POSITIONS:  
 POWER SWITCH IN OFF  
 FUNCTION SWITCH IN BATT. SAVER  
 ANT. SWITCH IN "ON"  
 MICROPHONE PTT SWITCH IN "RECEIVE"
6. ○ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, UNLESS MARKED OTHERWISE. TAKEN FROM THE POINT INDICATED TO CHASSIS GROUND WITH AN ILM MICRO INPUT (VOLTAGE MAY VARY ± 20%). □ THIS SYMBOL INDICATES AN AC VOLTAGE TAKEN FROM THE POINT INDICATED TO CHASSIS GROUND.
7. REFER TO CHASSIS PHOTOGRAPHS AND X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
8. POWER TRANSFORMER PRIMARY WIRING CONNECTIONS FOR 240 VAC ARE SHOWN IN THE BOX.
9. ▽ THIS SYMBOL INDICATES A COMMON CONNECTION INSIDE THE PREASSEMBLED TUNER  
 ▽ THIS SYMBOL INDICATES A CONNECTION TO THE RECEIVER CIRCUIT BOARD GROUND FOIL  
 ▽ THIS SYMBOL INDICATES A CONNECTION TO THE TRANSMITTER CIRCUIT BOARD GROUND FOIL  
 ≡ THIS SYMBOL INDICATES A CONNECTION TO THE CHASSIS

