



NOTES:

1. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS OR K OHMS (K=1000)
2. ALL RESISTORS ARE 10% UNLESS MARKED OTHERWISE.
3. ALL CAPACITOR VALUES ARE IN μ F UNLESS MARKED OTHERWISE
4. REFER TO THE 'CIRCUIT BOARD X-RAY VIEW' FOR THE PHYSICAL LOCATION OF PARTS.
5. ∇ THIS SYMBOL INDICATES A CIRCUIT BOARD GROUND.

6. \diamond THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH CONTROLS SET TO THE MIDDLE OF THEIR RANGES. ALL MEASUREMENTS TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CIRCUIT BOARD GROUND. VOLTAGES MAY VARY AS MUCH AS $\pm 20\%$.
7. ALL MEASUREMENTS TAKEN WITH THE KEY CLOSED.
8. \bigcirc THIS SYMBOL INDICATES A LETTERED CIRCUIT BOARD CONNECTION POINT.

**SCHEMATIC OF THE
HEATHKIT[®]
CODE OSCILLATOR
MODEL HD-1416**