

SCHEMATIC OF THE HEATHKIT® DIGITAL COMPUTER H-89A/WH-89A (THREE OF THREE)

Part of 595-2597
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1. NOTES:
1-99 PARTS MOUNTED ON THE CHASSIS.
101-199 PARTS MOUNTED ON THE POWER SUPPLY CIRCUIT BOARD.
201-299 PARTS MOUNTED ON THE VIDEO CIRCUIT BOARD.
301-399 PARTS MOUNTED ON THE KEYBOARD CIRCUIT BOARD.
401-499 PARTS MOUNTED ON THE TERMINAL LOGIC CIRCUIT BOARD.
501-599 PARTS MOUNTED ON THE CPU LOGIC CIRCUIT BOARD.
2. RESISTORS MOUNTED ON THE VIDEO CIRCUIT BOARD ARE 1/2-WATT, 5% UNLESS MARKED OTHERWISE. RESISTORS MOUNTED ON THE LOGIC CIRCUIT BOARD ARE 1/4-WATT, 5% UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K=1,000; M=1,000,000).
3. ALL CAPACITORS ARE IN μ F UNLESS MARKED OTHERWISE.
4. THIS SYMBOL INDICATES CHASSIS GROUND.
5. THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
6. THIS SYMBOL INDICATES WHERE A WIRE CONNECTS TO A CIRCUIT BOARD.
7. THIS SYMBOL INDICATES A MECHANICAL CONNECTOR.
8. THIS SYMBOL INDICATES A PART THAT IS SHOWN ON A CIRCUIT BOARD, BUT IS ACTUALLY MOUNTED ON THE CHASSIS.
9. THIS SYMBOL INDICATES AN INTERRUPTED LINE. LAY A STRAIGHT EDGE ON THE ARROW TO SEE WHERE IT GOES TO OR COMES FROM.
10. THIS SYMBOL INDICATES A DC VOLTAGE TAKEN WITH A HIGH IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY $\pm 20\%$.
11. FUSE F1 IS CRITICAL FOR CONTINUED SAFETY. REPLACE IT ONLY WITH A PART OF THE SAME RATING OR WITH THE PROPER HEATH PART.

