

**SCHEMATIC OF THE  
HEATHKIT®  
VIDEO TERMINAL  
MODEL H19**

NOTES:

1. COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:  
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 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  $\mu$ F UNLESS MARKED OTHERWISE.
4.  $\equiv$  THIS SYMBOL INDICATES CHASSIS GROUND.
5.  $\nabla$  THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.
6.  $\square$  THIS SYMBOL INDICATES WHERE A WIRE CONNECTS TO A CIRCUIT BOARD.
7.  $\rightarrow\rightarrow$  THIS SYMBOL INDICATES A MECHANICAL CONNECTOR.
8.  $\odot$  THIS SYMBOL INDICATES A PART THAT IS SHOWN ON A CIRCUIT BOARD, BUT IS ACTUALLY MOUNTED ON THE CHASSIS.
9.  $\rightarrow$  THIS SYMBOL INDICATES AN INTERRUPTED LINE. LAY A STRAIGHT EDGE ON THE ARROW TO SEE WHERE IT GOES TO OR COMES FROM.
10.  $\odot$  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.

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Page 1 of 2

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