



**SCHEMATIC OF THE  
HEATH  
MODEL WH8 DIGITAL COMPUTER  
FRONT PANEL BOARD, MOTHERBOARD,  
AND CHASSIS**

- NOTES:
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:  
1- 99 PARTS ON THE CHASSIS AND MOTHER BOARD.  
100-199 PARTS ON THE CONTROL CIRCUIT BOARD.  
200-299 PARTS ON THE CPU CIRCUIT BOARD.
  - ALL RESISTORS ARE 1/4-WATT, 5% UNLESS SHOWN OTHERWISE. VALUES ARE SHOWN IN OHMS (K=1000).
  - CAPACITOR VALUES ARE IN MICROFARADS UNLESS SHOWN OTHERWISE.
  - SYMBOLS:  
□ INDICATES A LETTERED CIRCUIT BOARD HOLE.  
◀◀ INDICATES A CONNECTOR SOCKET AND PLUG.  
▽ INDICATES CIRCUIT BOARD GROUND.  
≡ INDICATES CHASSIS GROUND.  
● INDICATES A CHASSIS MOUNTED COMPONENT.  
○ INDICATES THE SYSTEM BUS.
  - PARTS IN THE SHADED AREA ARE CRITICAL TO CONTINUED SAFETY. REPLACE ONLY WITH THE SAME RATED PART, OR WITH THE HEATH COMPANY PART NUMBER, IF SHOWN.
  - ALL WAVEFORMS WERE TAKEN IN THE MONITOR MODE (NO PROGRAM EXECUTION).
  - Q111-Q118 ARE LED SEGMENT DRIVERS. THE LETTER NEXT TO THE TRANSISTOR INDICATES WHICH SEGMENT THE TRANSISTOR DRIVES.
  - O. C. = OPEN COLLECTOR

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