



**SCHEMATIC OF THE  
HEATHKIT®  
MONITOR SCOPE  
MODEL SB-610**

**NOTES:**

1. MOST RESISTORS AND CAPACITORS ARE NUMBERED ACCORDING TO THE TUBE THEY ARE ASSOCIATED WITH.  
 EXAMPLE:  

2. PARTS IN THE POWER SUPPLY ARE NUMBERED IN THE 600 SERIES.
3. \*REFER TO THE ALTERNATE CONNECTIONS SECTION OF THE MANUAL FOR THE CORRECT PART (C1, C2, AND L2).
4. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS ( $K \times = 1000$ ,  $M = 1,000,000$ ).
5. CAPACITOR VALUES LESS THAN 1 ARE IN  $\mu F$ . VALUES OF 1 AND ABOVE ARE IN  $\mu F$ , UNLESS THEY ARE MARKED OTHERWISE.
6.  THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, TAKEN WITH AN 11 MEGOHM VTVM, FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY  $\pm 10\%$ .

7. ☐ THIS SYMBOL INDICATES A VOLTAGE THAT MAY VARY WITH ASSOCIATED CONTROL SETTING.
8. VOLTAGE READINGS TAKEN WITH THE CONTROLS AND SWITCHES IN THE FOLLOWING POSITIONS:  
  
HORIZONTAL GAIN - FULL CLOCKWISE  
SWEEP FREQUENCY - FULL CLOCKWISE  
INTENSITY - SET FOR NORMAL TRACE  
FOCUS - SET FOR NORMAL TRACE  
VERTICAL POSITION - SET FOR NORMAL TRACE  
HORIZONTAL POSITION - SET FOR NORMAL TRACE  
VERTICAL GAIN - FULL COUNTERCLOCKWISE  
SWEEP - FULL COUNTERCLOCKWISE  
TONE GENERATOR - FULL COUNTERCLOCKWISE EXCEPT FOR  
MEASUREMENTS AT V4. VOLTAGE READINGS AT V4  
ARE TAKEN WITH TONE SWITCH IN 2-TONE POSITION.  
CLAMP - PUSHED IN
9. SWITCH WAFERS SHOWN IN FULL COUNTERCLOCKWISE POSITION, AS VIEWED FROM THE KNOB END OF THE SHAFT.

