



- NOTES:**
- ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE MARKED.
  - ALL CAPACITORS ARE IN  $\mu\text{f}$ .
  - INDICATES A DC VOLTAGE MEASUREMENT FROM POINT INDICATED TO NEGATIVE (-) OUTPUT TERMINAL.
  - ALL VOLTAGES WERE MEASURED WITH NO LOAD ON THE OUTPUT TERMINALS WITH 117 VAC 60 Hz INPUT.
  - ALL VOLTAGES WERE MEASURED WITH A VTVM, AND MAY VARY  $\pm 1\%$ .
  - ALL SWITCHES ARE SHOWN IN THE FULLY COUNTERCLOCKWISE POSITION, AS VIEWED FROM THE KNOB END OF THE SHAFT.
  - ARROWS ON CONTROLS AND SWITCHES INDICATE CLOCKWISE ROTATION.
  - CONTROLS AND SWITCHES ARE SET AS FOLLOWS FOR VOLTAGE MEASUREMENTS:
- |                        |                  |
|------------------------|------------------|
| COARSE VOLTAGE         | - .5-5 VOLTS     |
| COARSE CURRENT         | - 1.5A           |
| FINE VOLTAGE           | - MAX. CLOCKWISE |
| FINE CURRENT           | - MAX. CLOCKWISE |
| RESET-STANDBY          | - RESET-STANDBY  |
| CURRENT-VOLTAGE SWITCH | - VOLTAGE        |
| ZENER CURRENT SWITCH   | - NORMAL         |

ROTARY SWITCHES ARE SHOWN IN MAXIMUM COUNTERCLOCKWISE POSITION, AND ARE MARKED AS IN THE FOLLOWING EXAMPLE:

CV MEANS THIS IS A PART OF THE COARSE VOLTAGE SWITCH. THIS NUMBER INDICATES THE SWITCH WAFER AS COUNTED FROM THE FRONT PANEL.

F - FRONT R - REAR FR - FRONT AND REAR

POSITION OF CV SWITCH	E1 VOLTS AC	E2 VOLTS DC	E3 VOLTS DC
.5-5	10	14	5
5-10	15	21	8
10-15	20	28	11
15-20	25	35	14
20-25	30	42	17
25-30	35	49	20
30-35	40	56	23
35-40	45	63	26
40-45	50	70	29
45-50	55	77	32

Set controls and switches as in NOTES except for Coarse Voltage switch.

**SCHEMATIC OF THE HEATHKIT™ REGULATED L.V. POWER SUPPLY MODEL IP-27**