



- NOTES:**
- ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE MARKED.
 - ALL CAPACITORS ARE IN µfd.
 - 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 H₂ INPUT.
 - ALL VOLTAGES WERE MEASURED WITH A VTVM AND MAY VARY ± 10%.
 - 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 INDICATED 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	6
5 - 10	15	21	10
10 - 15	20	28	15
15 - 20	25	35	20
20 - 25	29	41	25
25 - 30	33	47	30
30 - 35	38	54	35
35 - 40	43	60	40
40 - 45	47	68	45
45 - 50	53	74	50

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

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