

**SCHEMATIC OF THE  
HEATHKIT®  
TRANSISTORIZED REGULATED  
POWER SUPPLY  
MODEL IP-20**

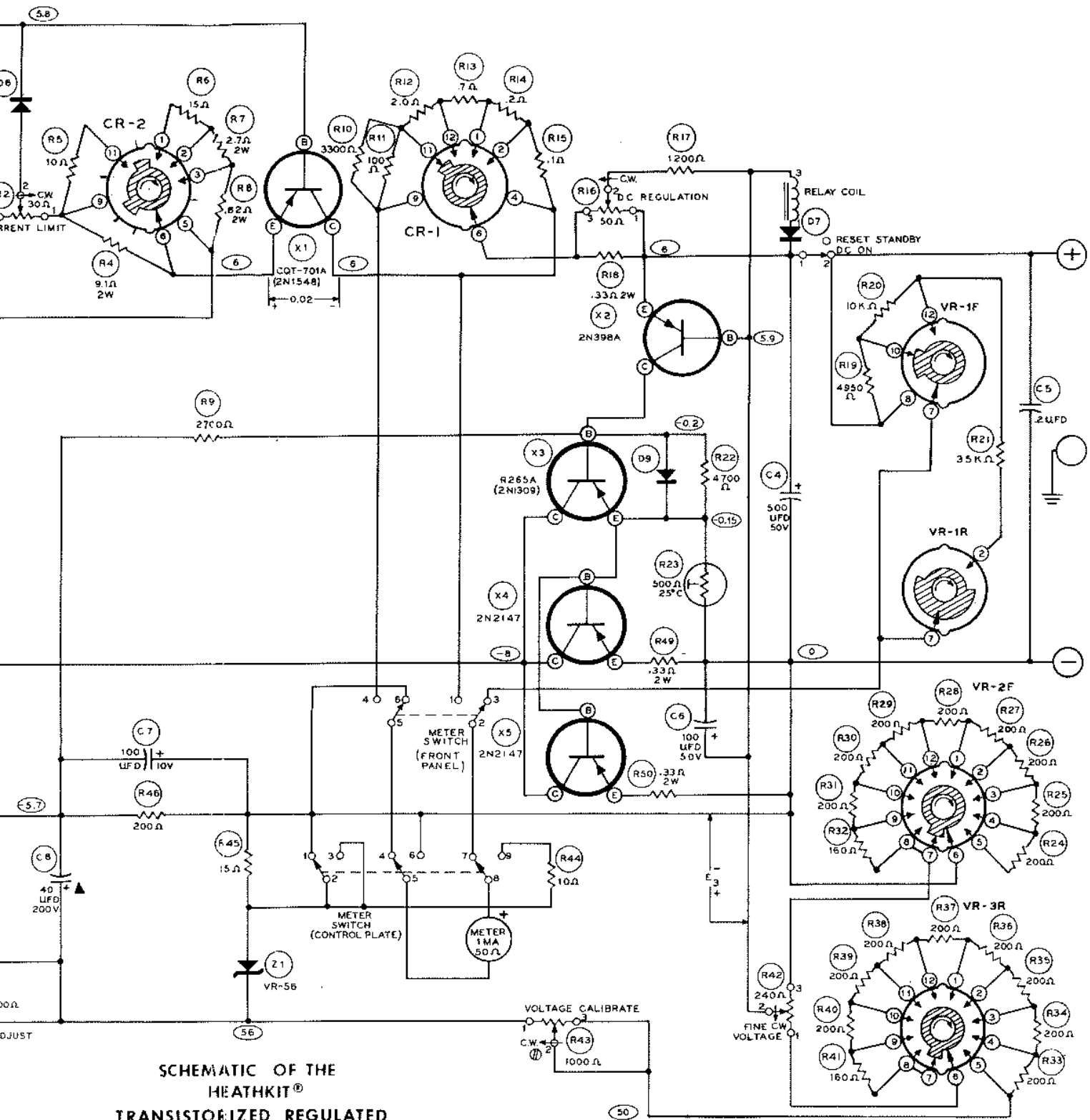
ALL RESISTANCES IN OHMS K = 1000.  
ALL RESISTORS 1/2 WATT UNLESS OTHERWISE SPECIFIED.

**NOTES:**

1. ALL VOLTAGES TAKEN AT 117 VOLTS, 60 CPS INPUT.
2. ALL VOLTAGES READ WITH A VTVM.
3. CONTROLS SET AS FOLLOWS FOR VOLTAGE MEASUREMENTS:  
 VOLTAGE RANGE - 5  
 CURRENT RANGE - 1.5 A  
 FINE VOLTAGE - MAX clockwise  
 CURRENT LIMIT - MAX clockwise  
 TOGGLE SWITCH - Reset-standby  
 METER SWITCH - Voltage
4. ALL VOLTAGES MEASURED FROM NEGATIVE (-) OUTPUT TERMINAL UNLESS OTHERWISE INDICATED. ○ INDICATES VOLTAGE READING.
5. ALL VOLTAGES ARE DC UNLESS OTHERWISE INDICATED.
6. VOLTAGE READINGS CAN VARY ±10%.
7. OUTPUT UNLOADED.
8. ROTARY SWITCHES SHOWN IN MAXIMUM COUNTERCLOCKWISE POSITION.

POSITION OF VR	E1 VOLTS AC	E2 VOLTS DC	E3 VOLTS DC
5	10	14	6
10	15	21	10
15	20	28	15
20	25	35	20
25	29	41	25
30	33	47	30
35	38	54	35
40	43	60	40
45	47	66	45
50	53	74	50

Set controls as in note 3 except for Voltage Range (VR) switch.



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3
6
10
15
20
25
30
35
40
45
50

for