









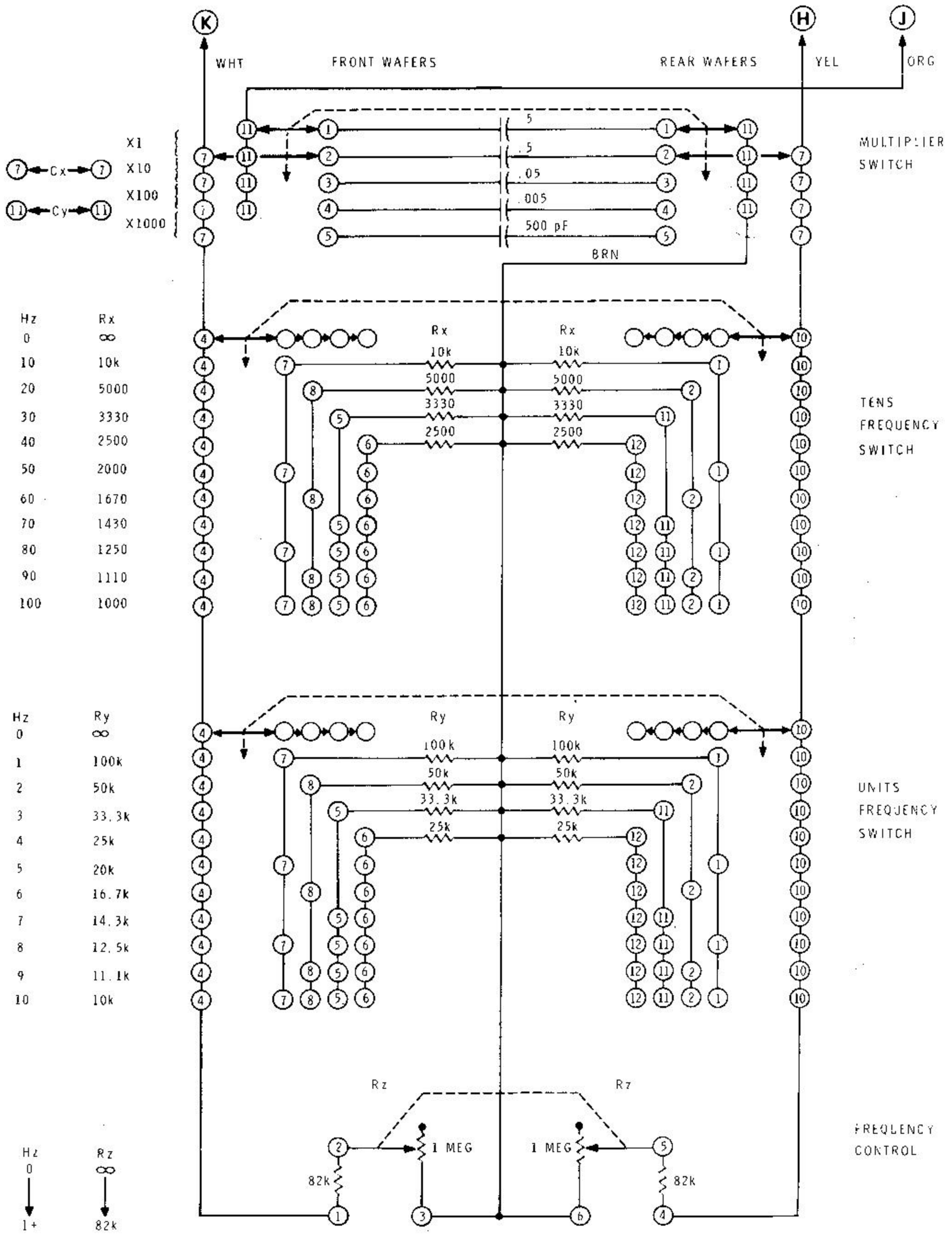
**SCHEMATIC OF THE
HEATHKIT®
SINE-SQUARE AUDIO GENERATOR
MODEL IG-5216**

NOTES:

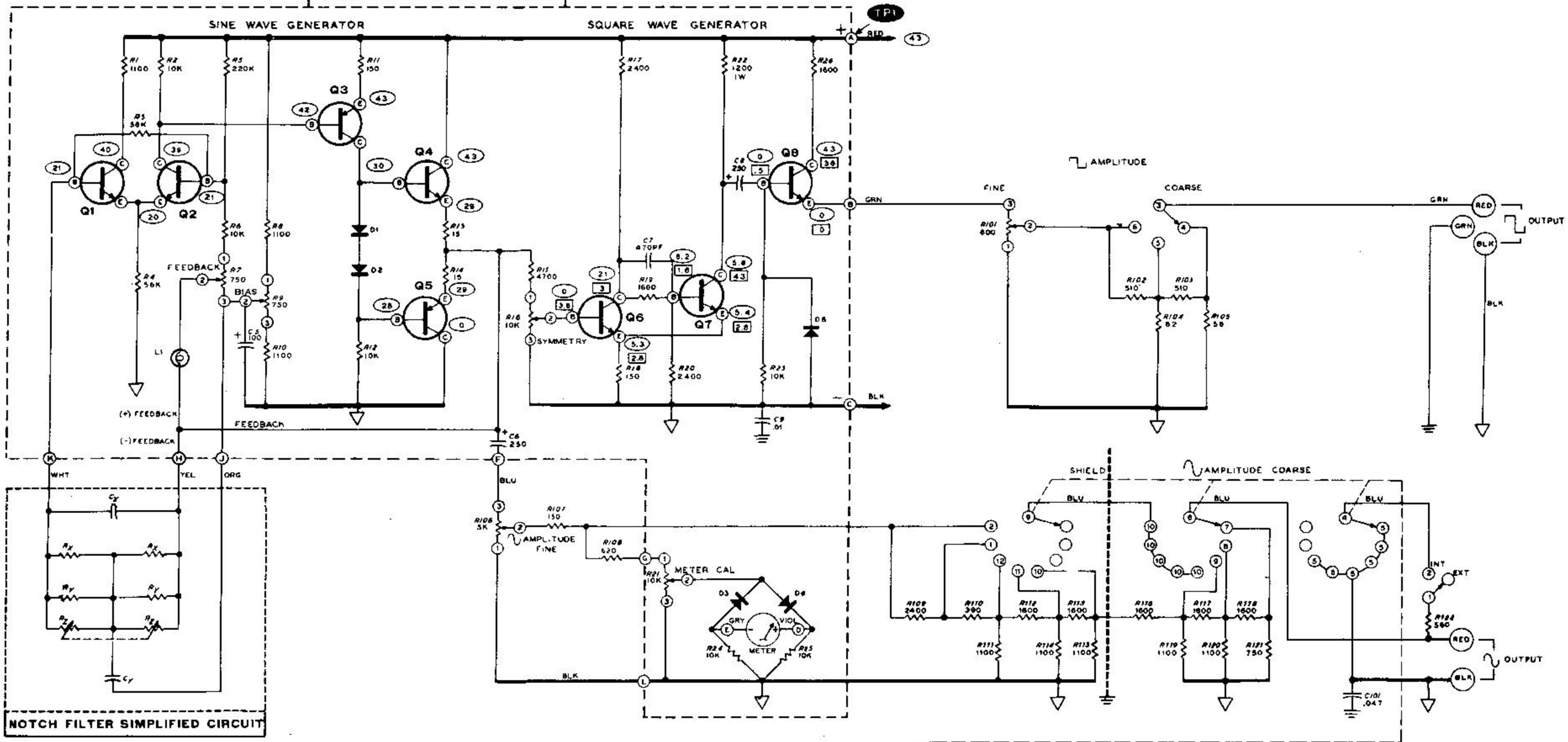
1. RESISTORS AND CAPACITORS, EXCEPT THOSE IN THE NOTCH FILTER CIRCUIT, ARE NUMBERED IN THE FOLLOWING GROUPS:
 0-99 PARTS MOUNTED ON CIRCUIT BOARDS.
 100-199 PARTS MOUNTED ON CHASSIS.
2. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS ($\times 1000$).
3. ALL CAPACITORS ARE IN μF UNLESS MARKED OTHERWISE (pF -PICOFARAD).
4. ALL SWITCHES SHOWN IN FULL COUNTERCLOCKWISE POSITION WHEN VIEWED FROM THE KNOB END.
5.  INDICATES COMMON CIRCUIT GROUND.
6.  INDICATES CHASSIS GROUND.
7. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS.
8.  +DC VOLTAGES TO EITHER COMMON OUTPUT TERMINAL. ALL CIRCUIT BOARD CONTROLS FULLY CCW, ALL FREQUENCY SWITCHES AND CONTROL CCW, ALL AMPLITUDE SWITCHES AND CONTROLS FULLY CW, VOLTAGES $\pm 10\%$.
9.  +DC VOLTAGES, THE SAME AS ABOVE, EXCEPT SYMMETRY CONTROL FULLY CW.

TRANSISTOR, DIODE	PART NUMBER	MAY BE REPLACED WITH	BASING DIAGRAM (BOTTOM VIEW)
Q1, Q2, Q4	417-94	2N3416	
Q3, Q5	417-201	2N2306	
Q6, Q7, Q8	417-154	2N2369	
Q10	417-178	40389	
D1, D2, D5, D6	57-65	1N4002 SILICON 100 PIV, 100 mA	
D3, D4	56-26	1N141	
D7	56-66	ZENER 1N3035 1 WATT	
D8	56-56	1N4149	

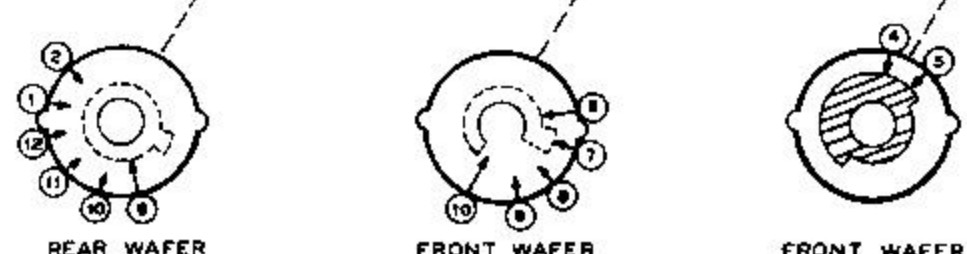
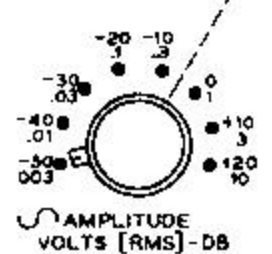
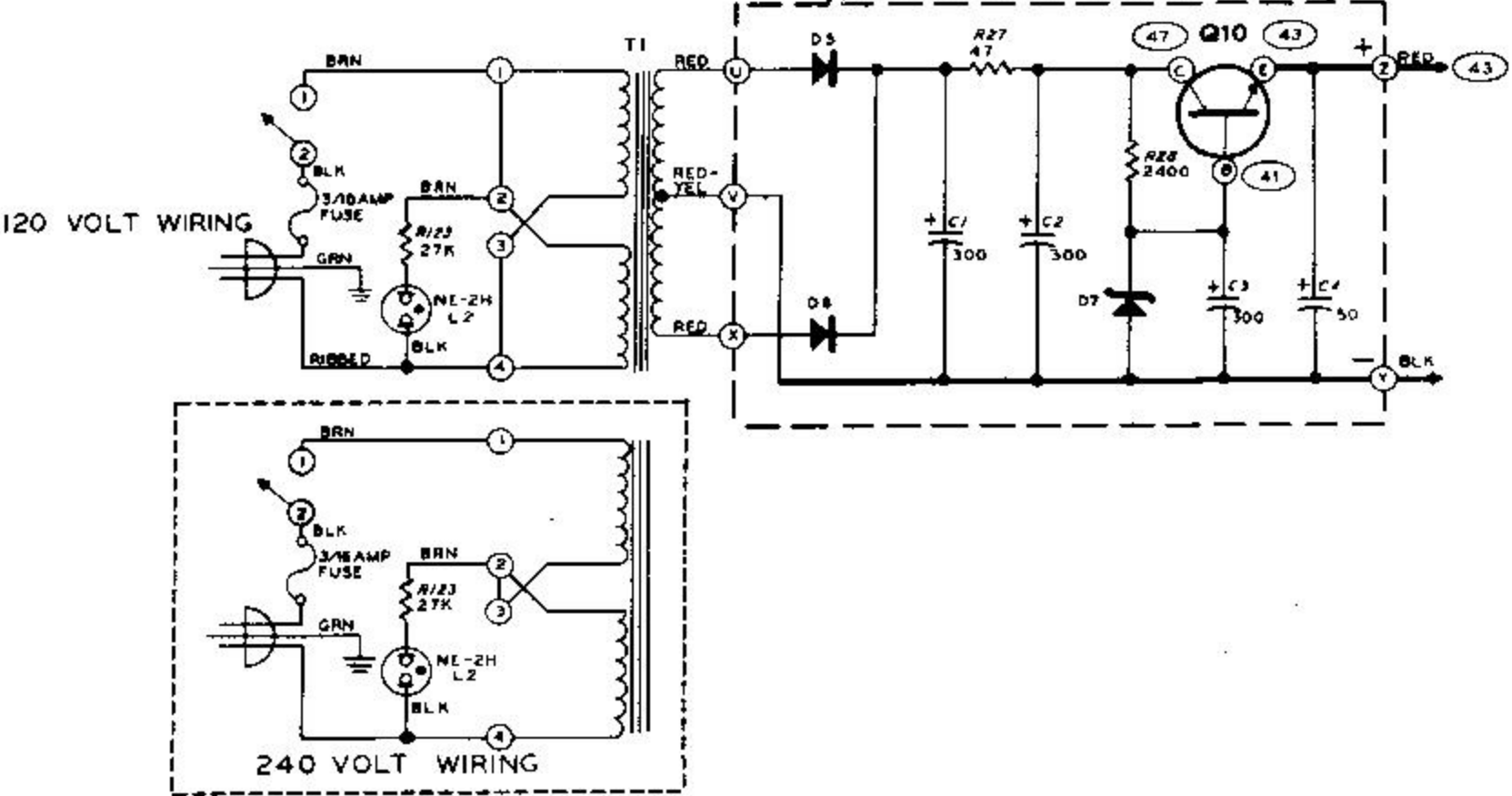
NOTCH FILTER — COMPLETE CIRCUIT



WAVE GENERATOR CIRCUIT BOARD



POWER SUPPLY CIRCUIT BOARD



SCHEMATIC OF THE HEATHKIT[®] SINE-SQUARE AUDIO GENERATOR MODEL IG-5218