



SCHEMATIC OF THE
HEATHKIT®
2-METER HAND-HELD TRANSMITTER
HW-20-21

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simply - look

	E	B	C
Q5	4	17	35
Q6	1	7	0
Q7	4	13	0
Q8	0	1	1
Q9	0	3	3
Q10	0	7	1
Q11	-	6	-

	E	B	C
Q5	5	0	7
Q6	4	8	5
Q7	4	3	2
Q8	0	3	2
Q9	0	7	3
Q10	0	1	4
Q11	12	5	3

- NOTES:
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
1-100 PARTS ON THE MAIN CIRCUIT BOARD
201-299 PARTS IN THE CASE
301-399 PARTS IN THE BATTERY CHARGER
400-499 PARTS ON THE RF DETECTOR
 - ALL RESISTORS ARE 1/4 WATT, 5% TOLERANCE UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS, K=1000, M=1,000,000
 - CAPACITORS EQUAL TO OR LESS THAN 1 µF ARE IN µF (MICROFARADS); ALL OTHER CAPACITORS ARE IN PF (PICOFARADS) UNLESS OTHERWISE MARKED
 - INDUCTORS ARE SHOWN IN MH (MILLIHENRIES) AND µH (MICROHENRIES)
 - THIS SYMBOL INDICATES A DC VOLTAGE MEASUREMENT TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT INDICATED TO GROUND UNLESS THE FOLLOWING INDICATES OTHERWISE
- NO INPUT SIGNAL
 - SQUELCH CONTROL FULLY COUNTERCLOCKWISE
 - VOLUME CONTROL FULLY COUNTERCLOCKWISE
 - LOWEST FREQUENCY OSCILLATOR CRISTAL IN CASE
 - TRANSMITTER VOLTAGES AT THE WATTAGE INDICATED
- THIS SYMBOL INDICATES A TEST POINT ON THE MAIN CIRCUIT BOARD
 - THIS SYMBOL INDICATES A SOCKETED COMPONENT ON THE MAIN CIRCUIT BOARD
 - SEE TABLES 1 AND 2 FOR LOGIC
 - THIS SYMBOL DENOTES A HIGH VOLTAGE TEST POINT ON THE MAIN CIRCUIT BOARD
- REFER TO THE CIRCUIT BOARD DATA SHEET FOR THE LOCATION OF PARTS
 - TP INDICATES TEST POINT
 - INDICATES TEST POINT USED ONLY WHEN MEASUREMENTS PERFORMED WITHOUT AC POWER