

SCHEMATIC OF THE HEATHKIT® STATION MONITOR MODEL HO-5404

HOIES.

- 1. Component numbers are arranged in the following groups:
- 1 99 Parts mounted on the chassis. 101 - 199 Parts mounted on the main circuit board
- All resistors are rated at 1/4-watt and have a tolerance of 5% unless otherwise noted. Resistor values are in ohms (k = 1000; M = 100
- 3. Capacifor values less than 1 are in µF (microfarads). All other capacitor
- values are in pF (picoterads) unless otherwise noted.

 4. The following symbols indicate DC voltages measured under varying conditions; generally, the RTTY pushbutton is degressed, no signal
- input, spot is centered on the screen:
 - spot is contained on the screen:
- This symbol indicates a normal DC voltage.
 - This symbol indicates voltages that vary with the setting of
 - This symbol indicates voltages that very with the settings of
 - the position controls.
 - This symbol indicates voltages measured with the Trap pushbullion depressed, no RF signal input.
 - This symbol indicates voltages that vary with settings of the Sweep and range (100, 10 k, 100 k) pushbutton, SSB pushbut-
- This symbol indicates a circuit board ground.
- This symbol indicates a circuit board grou
- This symbol indicates chassis ground.
- This symbol indicates a circuit board connection.
 - This symbol indicates a component that is shown within the circuit board outline that is actually located on the chassis.
- 9. * (Q201) This voltage may vary from 0 to -9 VDC, depending upon
- (U201) This voltage may vary from 0 to -9 VDC, depending upon the RF level present at the Antenna input sockets.
- Switches SW3, SW6, and SW9 are shown in their depressed (in) positions. Switches SW4, SW5, SW7, and SW6 are shown in their released (out) existions.
- Pins P1 through P5 are for connection of the optional Pan Adaptor Module, Model HOA-5404-1.
 - Module, Model HOA-5404-1.
- The part within the shaded area is critical to product safety. Replace it only with the proper Health part or the exact equivalent.
- Waveforms were taken with the SSB and 1 kHz pushbutton depressed, and the SWEEP control fully clockwise. The oscilloscope was set for 2 ms/DIV (pulse spacing varies with the setting of the SWEEP control).

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NOTES:

4.

Compo	nent numbers are arranged in the following groups:
1-	99 Parts mounted on the charses
101-1	
1-2	
All resis otherwis 1,000,0	stors are rated at 1/4-walt and have a tolerance of 5% units noted. Resistor values are in chims ($k=1000$; M 00).
Capacit values a	or values less than 1 are in μF (microfarads). All other capacities in pF (picofarads) unless otherwise noted.
conditio	owing symbols indicate DC voltages measured under vary ns; generally, the RTTY pushbutton is depressed, no sig tot is contered on the screen:
0	This symbol indicates a normal DC voltage.
\Diamond	This symbol indicates voltages that vary with the setting the balance controls.
	This symbol indicates voltages that vary with the settings the position controls.
\bigcirc	This symbol indicates voltages measured with the Tr pushbutton depressed, no RF signal input.
∇	This symbol indicates voltages that vary with settings of t Sweep and range (100, 10 k, 100 k) pushbutton, SSB pushb ton depressed.
\Diamond	This symbol indicates a circuit board ground.
Ö	This symbol indicates chassis ground.
0	This symbol indicates a circuit board connection,
0	This symbol indicates a component that is shown within a circuit board outline that is actually located on the chassis.

Switches SWA, SWB, and SWB are shown in their depressed (in) positions. Switches SWA, SWS, SWT, and SWB are shown in their released (out) positions.
 Pins P1 through P5 are for connection of the optional Pan Adaptor Modula, Model HQA-5404-1.

 * (Q201) This voltage may vary from 0 to −9 VDC, depending upon the RF level present at the Antonna input sockets.

- The part within the shaded area is critical to product safety. Replace it only with the proper Heath part or the exact equivalent.
- Waveforms were taken with the SSB and 1 kHz pushbutton depressed, and the SWEEP control fully clockwise. The oscilloscope was set for 2 ms/DIV (pulse spacing varies with the setting of the SWEEP control).





