

Heathkit O-12 Parts List
From Manual Dated 11/4/60

<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>	<u>PART No.</u>	<u>PARTS Per Kit</u>	<u>DESCRIPTION</u>
Sockets-Terminal Strips			Sheet Metal Parts		
434-15	1	7-pin wafer socket	200-M116	1	Chassis
434-16	1	9-pin wafer socket	204-M77	1	Tube support bracket
434-45	3	7-pin molded socket	203-68F180	1	Panel
434-46	5	9-pin molded socket	206-M144	1	Top shield
434-41	1	12-pin wafer socket	206-M29	1	Bottom shield
434-22	1	Pilot lamp socket	204-M81	1	Left-hand bracket
431-1	1	1-lug terminal strip	204-M82	1	Right-hand bracket
431-2	2	2-lug terminal strip	204-M68	2	Angle bracket
431-10	1	3-lug terminal strip	207-M1	2	Tube clamp
431-12	3	4-lug terminal strip	90-25	1	Cabinet, w/cover plate
			210-M1	1	Tube ring
Tubes-Lamp			Knobs-Binding Posts		
411-65	1	1V2 tube	462-18	4	Skirtless knob
411-49	1	5UP1 cathode ray tube	462-19	8	Skirted knob
411-58	1	6AB4 tube	427-2	7	Binding post base
411-68	1	6AN8 tube	100-M16B	5	Binding post cap, black
411-4	1	6C4 tube	100-M16R	2	Binding post cap, red
411-79	1	6J6 tube			
411-64	1	6X4 tube			
411-25	3	12AU7 tube			
411-73	1	12BH7 tube			
412-1	1	#47 pilot lamp			
Hardware			Insulators		
250-2	18	3-48 x 3/8 machine screw	73-1	3	Grommet, 3/8"
250-8	5	#6 x 3/8 sheet metal screw	73-2	2	Grommet, 3/4"
250-9	20	6-32 x 3/8 machine screw	75-17	12	Insulator bushing
250-18	4	8-32 x 3/8 machine screw	346-1	1	Length sleeving
250-29	2	6-32 x 3/4 machine screw	73-5	1	Cushion strip
250-56	4	6-32 binder head machine screw	261-1	4	Rubber feet
250-83	2	#10 x 1/2 sheet metal screw	70-5	1	Banana plug insulator, black
252-1	18	3-48 hex nut	70-6	1	Banana plug insulator, red
252-3	32	6-32 hex nut			
252-4	4	8-32 hex nut			
252-7	13	Control hex nut			
253-10	13	Flat control washer			
254-1	23	#6 lockwasher			
254-2	4	#8 lockwasher			
254-4	11	Control lockwasher			
259-1	9	#6 solder lug			
259-10	2	Control solder lug			
			Miscellaneous		
			481-1	1	Condenser mounting wafer
			54-26	1	Power transformer
			85-14F178	1	Circuit board, front
			85-12F179	1	Circuit board, rear
			211-4	1	Handle
			438-13	2	Banana plug assembly, less insulator
			260-1	2	Alligator clip
			414-2	1	Grid screen
			421-1	1	Fuse 1 1/2 AMP.
			423-1	1	Fuse holder
			595-184	1	Instruction manual.

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PART No.	PARTS Per Kit	DESCRIPTION	PART No.	PARTS Per Kit	DESCRIPTION
Resistors			Condensers, Mica		
1-84	1	62 Ω 1/2 watt 5%	20-1	1	47 μμf 500 volt
1-3	5	100 Ω 1/2 watt	20-43	1	390 μμf 500 volt
1-45	3	220 Ω 1/2 watt	31-12	1	Dual trimmer; 5-20 and 100-300 μμf
1-6	1	470 Ω 1/2 watt	Condensers, Ceramic Disc		
1-8	1	820 Ω 1/2 watt	21-3	1	10 μμf 600 volt
1-9	1	1 KΩ 1/2 watt	21-5	1	20 μμf 600 volt
1-90	2	2 KΩ 1/2 watt	21-9	1	100 μμf 600 volt
1-57	3	2.2 KΩ 1/2 watt 5%	21-21	1	200 μμf 600 volt
1-13	1	2.7 KΩ 1/2 watt	21-13	1	500 μμf 600 volt
1-14	3	3.3 KΩ 1/2 watt	21-36	1	0.002 μfd 600 volt
1-46	2	3.9 KΩ 1/2 watt	21-16	1	0.01 μfd 600 volt
1-19	1	6.8 KΩ 1/2 watt	21-31	1	0.02 μfd 600 volt
1-20	3	10 KΩ 1/2 watt	21-38	2	0.02 μfd 1600 volt
1-21	1	15 KΩ 1/2 watt	Condensers, Electrolytic		
1-22	2	22 KΩ 1/2 watt	25-32	1	40-20-20 μfd at 450 volt, 50 μfd at 300 volt
1-24	2	33 KΩ 1/2 watt	25-31	1	20-20-20 μfd at 250 volt
1-88	1	36 KΩ 1/2 watt 5%	25-28	1	100 μfd 50 volt
1-25	1	47 KΩ 1/2 watt	25-20	2	40 μfd 150 volt
1-26	2	100 KΩ 1/2 watt	Control-Switches		
1-27	2	150 KΩ 1/2 watt	10-65	1	2 KΩ (Vert. Gain)
1-87	1	330 KΩ 1/2 watt 5%	10-41	1	20 KΩ C. T. (Vert. Pos.)
1-33	3	470 KΩ 1/2 watt	10-8	1	10 KΩ (Hor. Gain)
1-35	3	1 megohm 1/2 watt	10-13	1	200 KΩ C. T. (Hor. Pos.)
1-38	2	3.3 megohm 1/2 watt	10-14	1	250 KΩ (Phase)
1-71	2	4.7 megohm 1/2 watt	19-40	1	500 KΩ w/switch (Inten.)
1-40	3	10 megohm 1/2 watt	10-32	1	1 megohm (Spot Shape)
1-70	1	22 megohm 1/2 watt	10-39	2	2 megohm (Ext. Sync Amplitude and Focus)
1A-2	2	1 KΩ 1 watt	10-45	1	7.5 Megohm (Freq. Vernier)
1A-22	1	1.5 KΩ 1 watt	63-47	1	1 sec. 3 pos. wafer switch (Vert. Input)
1A-27	2	33 KΩ 1 watt	63-88	1	1 sec. 4 pos. wafer switch (Sync. Selector)
1A-28	1	100 KΩ 1 watt	63-87	1	1 sec. 7 pos. wafer switch Hor/Freq. Selector
1A-32	1	470 KΩ 1 watt	Coils		
1A-34	1	1 megohm 1 watt	45-12	2	33 μh (orange band-resistor form)
1A-37	1	3.3 megohm 1 watt	45-23	2	61 μh (red band)
1B-19	1	1.2 KΩ 2 watt	45-24	2	90 μh (blue band)
1B-1	2	2.7 KΩ 2 watt	45-25	1	30 μh (green band)
1B-2	1	4.7 KΩ 2 watt	Wire-Cable		
1B-20	1	100 Ω 2 watt	340-2	1	length Bare wire
1B-22	1	12 KΩ 2 watt	344-1	1	length Hookup wire
2-129	1	3.3 megohm 1/2 watt 5% precision	341-1	1	length Test lead wire, black
3G-15	1	1 KΩ 7 watt wirewound	341-2	1	length Test lead wire, red
3G-4	1	5 KΩ 7 watt wirewound	89-1	1	Line cord
Condensers, Tubular			100-50	1	Cable assembly
23-59	2	0.05 μfd 200 volt	347-2	1	300 Ω transmission line
23-28	6	0.1 μfd 200 volt			
23-58	1	0.2 μfd 200 volt			
23-3	1	0.01 μfd 400 volt			
23-63	3	0.25 μfd 400 volt			
23-11	1	0.1 μfd 600 volt			
23-62	2	0.1 μfd 1600 volt			