

INTRODUCTION

The Model HW-7 Heathkit Transceiver is a three-band QRP (low power) CW Transceiver with both built-in VFO and crystal transmit provisions. Band coverage is the CW portion of forty, twenty, and fifteen meters. The Transceiver can be operated from the Heathkit Accessory Power Supply Model HWA-7-1, an equivalent low impedance power supply, or batteries. The experienced amateur, QRP man, and novice alike will appreciate the dependability and versatility of this Transceiver.

Whether you use it for standby, camping, emergency operation, or your primary rig, the Transceiver will prove its

worth. Band changing and tune-up are easily accomplished with pushbutton band selection and single-control Tuning. The light-weight and compact Transceiver has pushbutton crystal transmit provisions for the novice or QRP roundtables. Main tuning is accomplished through a 6-to-1 vernier that is virtually backlash free. A Relative Power meter, built-in sidetone, and carry-along size make the Transceiver a pleasure to operate.

Refer to the "Kit Builders Guide" for complete information on unpacking, parts identification, tools, wiring, soldering, and step-by-step assembly procedures.

PARTS LIST

Check each part against the following list. The key numbers correspond to the numbers in the Parts Pictorial (fold-out from Page 5).

NOTE: Any part that is packaged in an individual envelope with its part number on it should be placed back in the

envelope after it is identified until it is called for in a step.

To order a replacement part, refer to the Price Each column and use the Parts Order Form furnished with this kit. If a Parts Order Form is not available, refer to "Replacement Parts" inside the rear cover of the Manual.

KEY PART	PARTS	DESCRIPTION	PRICE
No. No.	Per Kit		Each

RESISTORS

NOTE: All resistors are 1/2-watt, $\pm 10\%$ tolerance.

A1	1-140	2✓	1.5 Ω (brown-green-gold)	.10
A1	1-41	1✓	10 Ω (brown-black-black)	.10
A1	1-103	1✓	33 Ω (orange-orange-black)	.10
A1	1-3	6✓	100 Ω (brown-black-brown)	.10
A1	1-6	3✓	470 Ω (yellow-violet-brown)	.10
A1	1-9	9✓	1000 Ω (brown-black-red)	.10
A1	1-11	1✓	1500 Ω (brown-green-red)	.10
A1	1-16	4✓	4700 Ω (yellow-violet-red)	.10
A1	1-20	2✓	10 k Ω (brown-black-orange)	.10
A1	1-21	- 1✓	15 k Ω (brown-green-orange)	.10
A1	1-22	- 1✓	22 k Ω (red-red-orange)	.10
A1	1-25	5✓	47 k Ω (yellow-violet-orange)	.10
A1	1-47	- 1✓	56 k Ω (green-blue-orange)	.10
A1	1-26	- 1✓	100 k Ω (brown-black-yellow)	.10
A1	1-126	- 1✓	180 k Ω (brown-gray-yellow)	.10

KEY PART	PARTS	DESCRIPTION	PRICE
No. No.	Per Kit		Each

2-WATT RESISTORS-CONTROLS

A2	1-20-2	2✓	100 Ω (brown-black-brown) resistor	.10 ✓
A3	10-222	1✓	50 k Ω LIN (linear taper) control	.45 ✓
A4	19-95	1✓	10 k Ω AUD (audio taper) control with switch	1.05 ✓

CAPACITORS

Mica

B1	20-77	2✓	24 pF	.15
B1	20-96	1✓	36 pF	.15
B1	20-101	2✓	47 pF	.15
B1	20-102	2✓	100 pF	.15
B1	20-103	1✓	150 pF	.15
B1	20-105	3✓	180 pF	.20

Ceramic

B2	21-155	1✓	33 pF	.10
B2	21-47	5✓	.01 μ F	.10
B2	21-143	8✓	.05 μ F	.20