

ASSEMBLING
AND USING
YOUR

Heathkit

SIGNAL
GENERATOR
MODEL SG-7

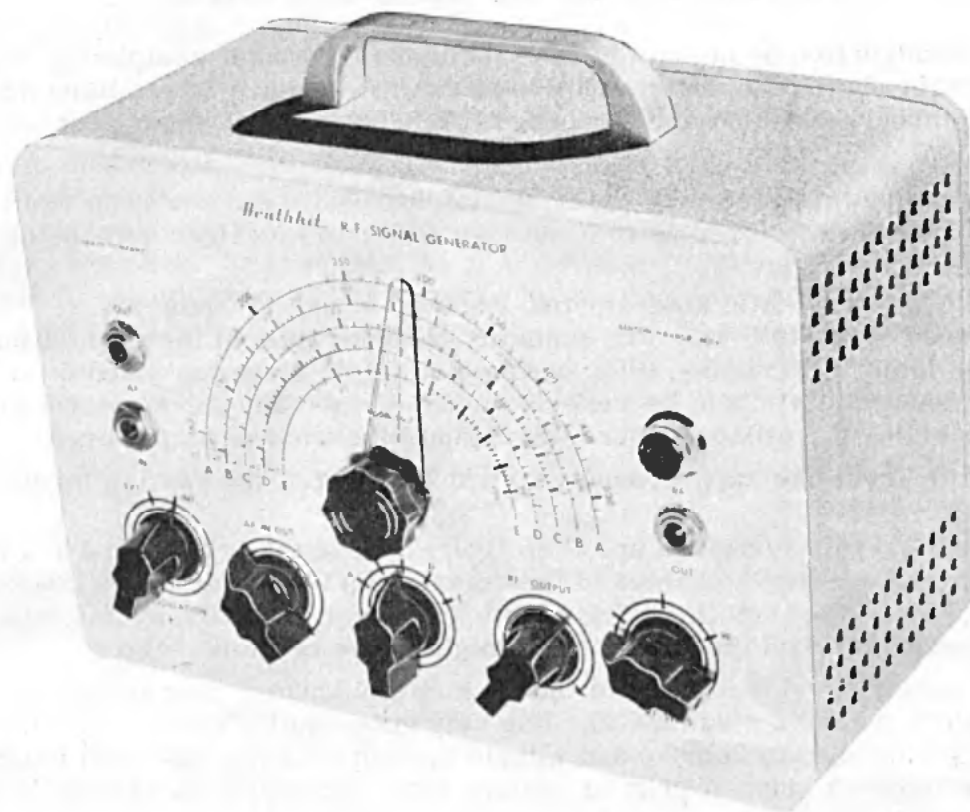
595-46

HEATH COMPANY

BENTON HARBOR,
MICHIGAN

THE WORLD'S *Finest* TEST EQUIPMENT IN KIT FORM

ASSEMBLY AND OPERATION OF THE HEATHKIT SIGNAL GENERATOR MODEL SG-7



SPECIFICATIONS

FREQUENCY RANGE

Band A	160 Kc to 500 Kc.
Band B	500 Kc to 1,650 Kc.
Band C	1.65 Mc to 5.5 Mc.
Band D	5.5 Mc to 18.5 Mc.
Band E	17 Mc to 52 Mc.
Calibrated Harmonics	51 Mc to 156 Mc.

RADIO FREQUENCY OUTPUT In excess of 100,000 microvolts.

MODULATION FREQUENCY Approximately 400 cycles

AUDIO OUTPUT 1½ to 2 Volts

AUDIO FREQUENCY INPUT Approximately 5V across 1 Megohm

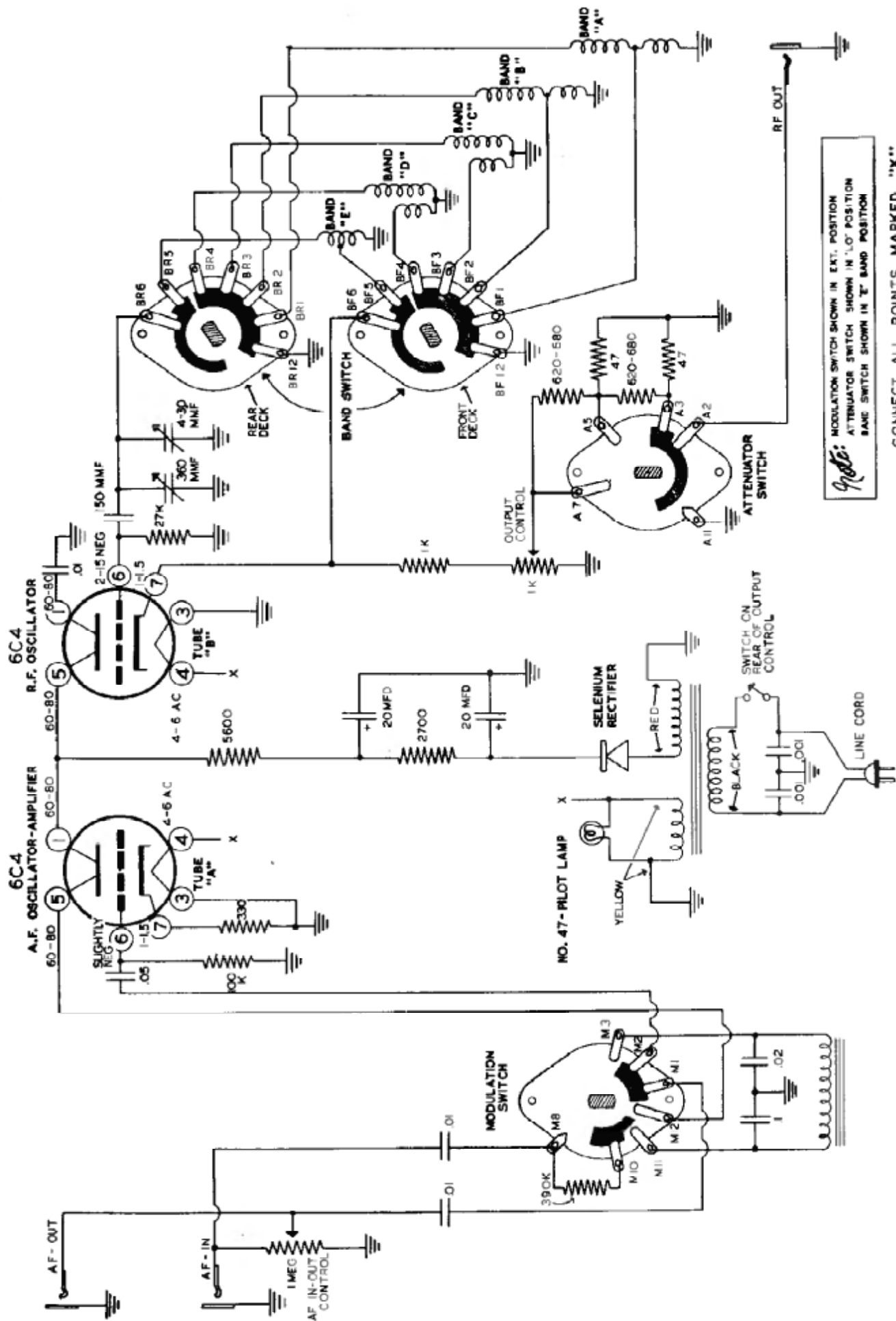
TUBES

6C4 RF Oscillator 6C4 Audio Oscillator or Audio Amplifier

POWER REQUIREMENTS 105-125V. 50/60 cycles

PARTS LIST SG-7

Part No.	Parts Per Kit	Description	Part No.	Parts Per Kit	Description
Resistors			Sockets-Knobs-Jacks		
1-1	2	47 Ohm	434-15	2	Miniature Tube Sockets
1-4	1	330 Ohm	434-22	1	Pilot Light Socket
1-7	2	620-680 Ohm	252-12	1	Pilot Light Nut
1-9	1	1000 Ohm	455-1	1	Pilot Light Bushing
1-13	1	2,700 Ohm	413-1	1	Pilot Light Jewel
1-18	1	5,600 Ohm	402-M12	5	Pointer Knobs
1-23	1	27K Ohm	462-5	1	Knob
1-26	1	100K Ohm	100-M10	1	Indicator Assembly
1-32	1	390K Ohm	436-1	3	Phone Jacks
Condensers			Hardware		
21-11	1	150 MMF	250-2	4	3-48 x 1/8 Screws
23-1	2	.001 MFD	252-1	4	3-48 Nuts
23-3	3	.01 MFD	250-7	3	6-32 x 3/16 Screws
23-8	1	.02 MFD	250-9	11	6-32 x 3/8 Screws
23-10	1	.05 MFD	250-13	1	6-32 x 1 Screw
23-11	1	.1 MFD	250-8	2	#6 x 3/8 Sheet Metal Screws
25-7	1	20-20 MFD-150V	251-1	2	6-32 Spade Bolts
31-6	1	5-20 MMF Trimmer	252-3	24	6-32 Nuts
26-1	1	360 MMF Tuning	254-1	21	#6 Lockwashers
Control-Switches			259-1	6	#6 Solder Lugs
19-14	1	1K Ohms Control with Sw.	250-15	1	8-32 x 1/8 Set Screws
10-17	1	1 Megohm Control	250-19	2	10-24 x 3/8 Handle Screws
63-19	1	5 Position Band Sw.	252-7	8	Control Nuts
63-6	1	3 Position Attenuator Sw.	254-4	8	Control Lockwashers
63-4	1	2 Position Modulation Sw.	253-10	7	Control Nickel Washers
Coils-Choke-Transformer			250-22	5	Set Screws
40-11	1	Oscillator Coil Band A	Clips-Plug-Wire		
40-12	1	Oscillator Coil Band B	260-1	2	Alligator Clips
40-13	1	Oscillator Coil Band C	438-3	1	Phone Plug
40-14	1	Oscillator Coil Band D	343-1	1	Length Shielded Test Lead
40-15	1	Oscillator Coil Band E	344-1	1	Roll Hookup Wire
46-1	1	AF Choke	340-2	1	Length Bare Wire
54-2	1	Power Transformer	345-1	1	Length Braid
Tubes-Lamp-Rectifier			346-1	1	Length Spaghetti
411-4	2	6C4 Tubes	69-1	1	Line Cord
412-1	1	#47 Pilot Lamp	Chassis-Parts-Cabinet		
57-2	1	Selenium Rectifier	200-M36	1	Chassis
Grommets-Feet-Terminal Strips			200-M37	1	Sub Chassis
73-1	4	3/8 Grommets	203-26F10	1	Front Panel
261-1	4	Rubber Feet	90-14	1	Cabinet
431-2	1	2 Lug Terminal Strip	211-1	1	Handle
431-3	1	3 Lug Terminal Strip	Manual		
			595-46	1	Instruction Manual



WIRING OF EXPORT TYPE
110/220 VOLT POWER
TRANSFORMERS

These transformers have a dual primary for use on either 110 Volts or 220 Volts.
Wire as shown.

