

# Emerson Radio

R1, R7,	1 megohm $\frac{1}{4}$ watt carbon resistor.....
R18, R19	20,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R2	140 ohm $\frac{1}{2}$ watt wire wound resistor.....
R3	3 megohm $\frac{1}{4}$ watt carbon resistor.....
R4	Volume control 2.5 meg.....
R5	10 megohm $\frac{1}{4}$ watt carbon resistor.....
R6	
R8, R16,	
R17, R20	500,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R9, R10, R24	50,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R11	175 ohm 1 watt carbon resistor.....
R12	750 ohm 1 watt wire-wound resistor.....
R13	10,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R14	25,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R15, R23	100,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R21, R22	100,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R25	30,000 ohm $\frac{1}{4}$ watt carbon resistor.....
R26, R27, R28	Ballast resistor: R26—233 ohm, 6 watt; R27—190 ohm, 5 watt; R28—250 ohm, 3 watt
C1, C2	Two-gang variable condenser.....
C3, C16	0.002 mf, 600 volt tubular condenser.....
C4	0.0004 mf, 600 volt tubular condenser.....
C5	Trimmer, part of loop assembly.....
C6, C7, C8, C9	Trimmers, part of variable condenser.....
C11	Trimmer, part of variable condenser.....
C10	0.1 mf, 200 volt tubular condenser.....
C12	0.0006 mf, 600 volt tubular condenser.....
C13	0.0015 mf, 600 volt tubular condenser.....
C14	0.05 mf, 400 volt tubular condenser.....
C15	0.0002 mf, 600 volt tubular condenser.....
C17	0.02 mf, 400 volt tubular condenser.....
C18	0.00011 mf, mica condenser.....
C19	0.005 mf, 400 volt tubular condenser.....
C20, C21, C22	Multiple dry electrolytic condenser: 150 volt; C20—20 mf; C21—80 mf; C22—40 mf
C23	0.00025 mf, mica condenser.....
C24, C27, C30	0.05 mf, 200 volt tubular condenser.....
C31, C32	0.000026 mf, mica condenser.....
C25	0.001 mf, 600 volt tubular condenser.....
C26	0.00022 mf, mica condenser.....
C28	0.0003 mf, mica condenser.....
C29	

## I-f and Wave-trap Alignment

Swing the variable condenser to the minimum capacity position. Feed 455 kc to the grid of the 12SA7 tube through a .01 mf condenser and adjust the four i-f trimmers for maximum response.

Feed 455 kc to the external antenna lead and adjust the wave-trap for minimum response.

Note: The grid of the 12SA7 tube is the No. 8 pin.

Ballast resistor: R26—233 ohm, 6 watt; R27—190 ohm, 5 watt; R28—250 ohm, 3 watt

## VOLTAGE ANALYSIS

Tube	Plate	Screen	Cathode
12SA7	88	88	0
12SK7	48	46	0
12SF7	89	89	0
12SJ7	8	14	—
50L6GT	108	89	5.1

## MODEL: GH-437, GH-447 CHASSIS MODEL: GH

## MODEL: GH2-447 CHASSIS MODEL: GH2

