

Emerson Radio

R1	20,000 ohm ¼ watt carbon resistor.....
R2, R6	15 megohm ¼ watt carbon resistor.....
R3	140 ohm ½ watt wire-wound resistor
R4	2 megohm ¼ watt carbon resistor.....
R5	Volume control .5 meg. (Model 431)
R5	Volume control .5 meg. (Model 439)
R7, R8	500,000 ohm ¼ watt carbon resistor
R9	50,000 ohm ¼ watt carbon resistor
R10	10,000 ohm ¼ watt carbon resistor
R11	25,000 ohm ¼ watt carbon resistor
R12, R13	R12—130 ohm, 12.5 watt; R13—25 ohm
R14	220,000 ohm ¼ watt carbon resistor....
C1, C2	Two-gang variable condenser.....
C3, C16	0.002 mf, 600 volt tubular condenser.
C4	0.0002 mf, 600 volt tubular condenser
C5	0.05 mf, 200 volt tubular condenser
C12, C19	0.00022 mica condenser.....
C13	0.05 mf, 200 volt tubular condenser.
C14	0.05 mf, 400 volt tubular condenser.
C15	0.04 mf, 200 volt tubular condenser.
C17, C18	0.02 mf, 400 volt tubular condenser.
C19	0.00022 mica condenser.....
C20, C21	Dual 20 mf, 150 volt, dry electrolytic
C22	Trimmer, part of L2.
C23	0.2 mf, 200 volt tubular condenser

MODELS: GA-439 and GA-441
CHASSIS MODEL: GA

MODELS: GA1-439 and GA1-441
CHASSIS MODEL: GA1

R-f Alignment

Set the dial pointer at 140. Feed 1400 kc from the signal generator into a loop of wire about one foot in diameter. Hold this radiating loop about 12 inches away from and parallel to the receiver loop antenna. Advance the input to the loop until a satisfactory deflection is obtained on the output meter. Adjust first the oscillator trimmer then the antenna trimmer for maximum response. If the loop antenna has been replaced it may be necessary to retrack the loop inductance. With the dial set at 60 feed 600 kc to the antenna lead. A portion of the outside may be swung to either side of the center to give maximum response. Repeat the trimmer alignment at 140.

Tube	Plate	Screen	Cathode
6SG7 or 7H7	87	39	0
6SA7	87	87	0
6SK7 or 7A7	87	87	0
6SQ7 or 7B6	32	—	0
25L6	79	87	6.0

