General Electric Co.

	Model: GA62	Chassis:	Year: Pre August 1939
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		

Resources

Riders Volume 10 - GE 10-12

MODEL GA62
Schematic, Voltage, Socket
Trimmers, Alignment

GENERAL ELECTRIC CO.

MODEL GA-62

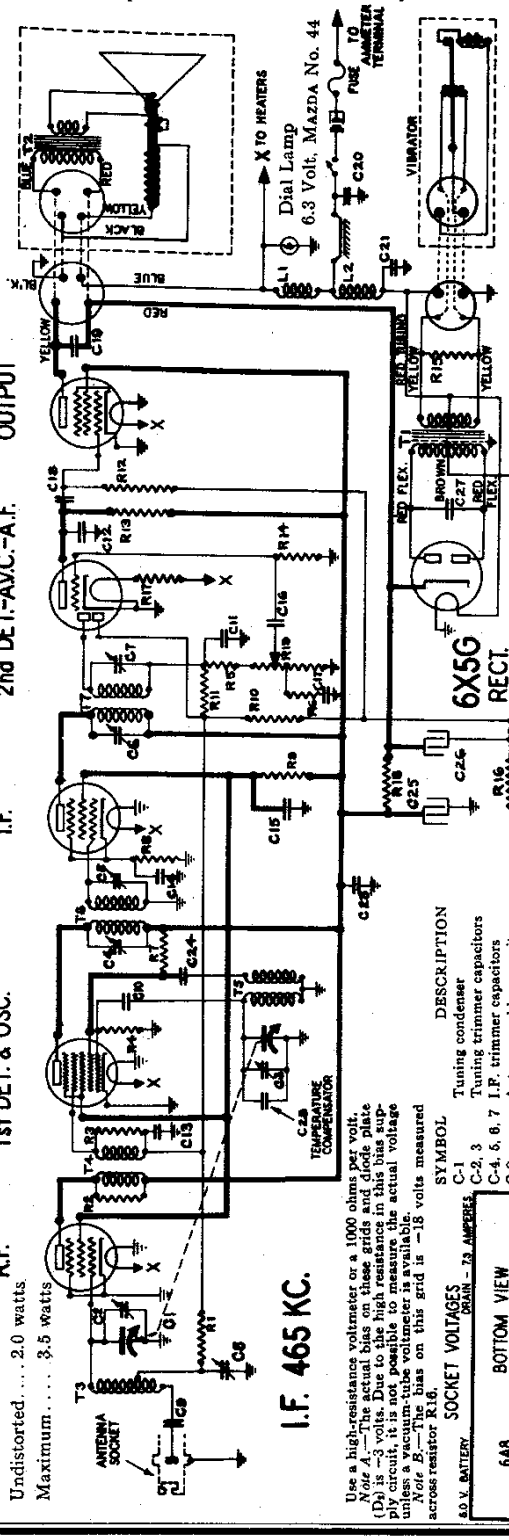
Loud-speaker—Electrodynamic

Speaker Diameter.....6 inches
Cone Coil Impedance.....4 ohms at 400 cycles

Tuning Frequency Range...540-1540 K.C.

Electrical Power Output
Undistorted....2.0 watts
Maximum.....3.5 watts

Current Consumption
Storage Battery.....6.3 volts—7.3 amps



Use a high-resistance voltmeter or a 1000 ohms per volt. *Note A.*—The actual bias on these grids and diode plate (D1) is −3 volts. Due to the high resistance in this bias supply circuit, it is not possible to measure the actual voltage unless a vacuum-tube voltmeter is available. *Note B.*—The bias on this grid is −18 volts measured across resistor R16.

SYMBOL	DESCRIPTION
C-1	Tuning condenser
C-2, 3	Tuning trimmer capacitors
C-4, 5, 6, 7	I.F. trimmer capacitors
C-8	Antenna padder capacitor
C-9	.002 mfd. mica capacitor
C-10	100 mmf. mica capacitor
C-11	250 mmf. mica capacitor
C-12	1100 mmf. mica capacitor
C-13	.05 mfd. paper capacitor
C-14, 15	.1 mfd. paper capacitor
C-16, 22	.004 mfd. paper capacitor
C-17, 24	.01 mfd. paper capacitor
C-18	.02 mfd. paper capacitor
C-19	.005 mfd. paper capacitor
C-20, 21	.5 mfd. paper capacitor
C-23	.1 mfd. paper capacitor
C-25, 26	8 mfd. dry electrolytic
C-27	.01 mfd. oil-filled capacitor
C-28	Temp. compensator capacitor
L-1	Choke coil (short)
L-2	Choke coil (long)
R-1	470,000 ohms, carbon resistor
R-2	68,000 ohms, carbon resistor
R-3	33,000 ohms, carbon resistor
R-4, 5, 6	47,000 ohms, carbon resistor
R-7	22,000 ohms, carbon resistor
R-8	820 ohms, carbon resistor
R-9	27,000 ohms, carbon resistor
R-10	10 megohms, carbon resistor
R-11	1.5 megohms, carbon resistor
R-12	470,000 ohms, carbon resistor
R-13	220,000 ohms, carbon resistor
R-14	10 megohms, carbon resistor
R-15	220 ohms, wire wound resistor
R-16	360 ohms, wire wound resistor
R-17	3 ohms, wire wound resistor
R-18	1500 ohms, wire wound resistor
R-19	500,000 ohms, volume control

T-1	Power transformer
T-2	Output transformer
T-3	Antenna transformer
T-4	Detector transformer
T-5	Oscillator transformer
T-6	1st I.F. transformer
T-7	2nd I.F. transformer

GENERAL INFORMATION

Model GA-62 is a compact, six-tube superheterodyne receiver, employing six General Electric Pre-tested Tubes as described previously. The power supply consists of a non-synchronous type vibrator and full-wave high-vacuum rectifier operating in a conventional rectifier circuit. The receiver incorporates a simplified mechanically adjusted "Touch-Tuning" system, allowing a setup of five stations for automatic tuning. The use of an antenna-matching trimmer results in the maximum transfer of energy from the antenna to the control grid of the 6K7 R.F. tube, providing a high signal-to-noise ratio.

ALIGNMENT

IF ALIGNMENT - Adj. 4 trimmers at 465 KC thru .1 mf cond.

RF ALIGNMENT - Adj. osc. and Ant. trimmers C-3 and C-2 at 1400 KC. thru 100 mmf cond.- **PEAK** C-8 at 600 KC.

CONVENTIONAL ALIGNMENT - SEE SPECIAL SECTION VOL. V111.

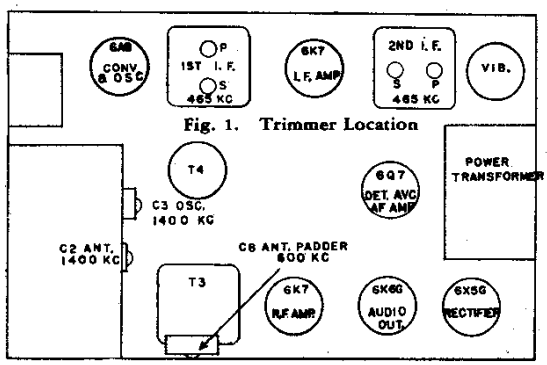


Fig. 1. Trimmer Location