

GENERAL ELECTRIC

Six-tube Superheterodyne with Electric Tuning Keys

MODEL L-660

Alignment Frequencies

RF 1500 KC
 IF 455 KC

The chassis must be removed from the cabinet as described above to make the following alignments. The locations of all trimmers is shown in Fig. 1.

IF Alignment

Connect an output meter across the voice coil. Turn the volume control to maximum. Set test oscillator to 455 KC and keep the oscillator output as low as a readable meter reading will permit.

Apply signal to the 12SA7 converter grid through a .05 mfd. capacitor and align progressively the trimmers in the 2nd and 1st IF transformers.

RF Alignment

When making the following alignment the loop antenna must be bolted to the chassis by the two mounting screws. Since the glass dial scale is fastened to the cabinet, it cannot be used for reference during the alignment of the chassis outside the cabinet. Use must be made therefore of the four calibration marks at the bottom flange of the dial scale reflector plate (immediately below end of dial scale pointer). These marks referring from left to right are as follows: Reference point, 580 KC, 1000 KC, and 1500 KC.

The RF signal should be capacity coupled to the receiver loop by placing a two foot piece of wire for an antenna on the test oscillator output post (high side). Keeping this antenna two feet or more from the receiver loop will generally insure freedom from too much coupling.

With the gang condenser plates completely closed, the end of the pointer should line up with the first mark to the left of the dial reflector plate. If it doesn't the pointer can be moved on the dial cord until it does. Set the signal generator to 1500 KC. Set pointer to the 1500 KC mark (extreme right flange mark) and align (C2B) to the signal. Peak (C2A) for maximum output.

Part No.	Symbol	Description
RC-7045	C1A, 1B	CONDENSER—Tuning Condenser (with trimmers 2A, 2B mounted)
RC-235	C2	CAPACITOR—100 Mfd., mica
RC-274	C3	CAPACITOR—220 Mfd., mica
RC-242	C4	CAPACITOR—100 Mfd., mica
RC-180	C10	CAPACITOR—20 Mfd., 500 V. paper
RC-273	C11	CAPACITOR—25 Mfd., 500 V. paper
RC-218	C12	CAPACITOR—47 Mfd., mica
RC-202	C13, 15	CAPACITOR—0.1 Mfd., 500 V. paper
RC-202	C14	CAPACITOR—25 Mfd., 500 V. paper
RC-202	C17A	CAPACITOR—40 Mfd., 180 V. dry electrolytic
RC-217	C17	CAPACITOR—30 Mfd., 180 V. dry electrolytic
RT-881	C18-C21	TRIMMER STRIP—Station key adjustment (R.F. section)
RT-882	C22-C25	TRIMMER STRIP—Station key adjustment (A.F. section)
RC-216	C26	CAPACITOR—202 Mfd., 500 V. paper
RC-1219	R1	RESISTOR—22 ohm, 1/4 W. carbon
RC-1219	R2	RESISTOR—220 ohm, 1/4 W. carbon
RC-1219	R3	RESISTOR—47,000 ohm, 1/4 W. carbon
RC-1219	R4	RESISTOR—10,000 ohm, 1/4 W. carbon
RC-1219	R5	RESISTOR—150 ohm, 1/4 W. carbon
RC-1219	R6	RESISTOR—22,000 ohm, 1/4 W. carbon
RC-1219	R7	RESISTOR—100 ohm, 1/4 W. carbon
RC-1219	R8	RESISTOR—22 ohm, 1/4 W. carbon
RC-1219	R9, 10, 11	RESISTOR—470,000 ohm, 1/4 W. carbon
RC-1219	R10	RESISTOR—10,000 ohm, 1/4 W. carbon
RC-1219	R11	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R12	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R13	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R14	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R15	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R16	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R17	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R18	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R19	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R20	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R21	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R22	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R23	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R24	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R25	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R26	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R27	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R28	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R29	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R30	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R31	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R32	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R33	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R34	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R35	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R36	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R37	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R38	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R39	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R40	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R41	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R42	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R43	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R44	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R45	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R46	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R47	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R48	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R49	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R50	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R51	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R52	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R53	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R54	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R55	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R56	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R57	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R58	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R59	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R60	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R61	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R62	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R63	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R64	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R65	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R66	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R67	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R68	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R69	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R70	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R71	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R72	RESISTOR—1,000 ohm, 1/4 W. carbon
RC-1219	R73	RESISTOR—1,000 ohm, 1/4 W. carbon

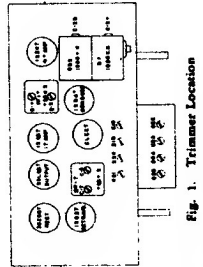
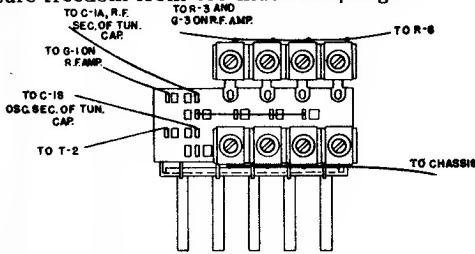
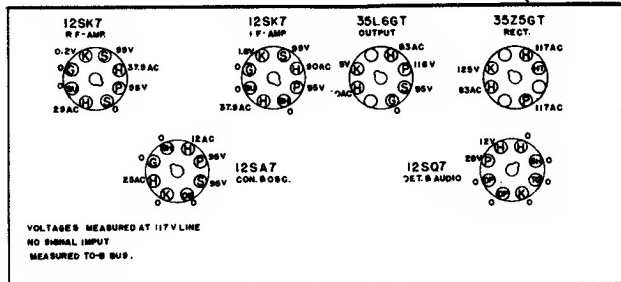


Fig. 1. Trimmer Location



Selector Switch Wiring



VOLTAGES MEASURED AT 117 V LINE
 NO SIGNAL INPUT
 MEASURED TO-B BUS.

FRONT OF CHASSIS
 BOTTOM VIEW OF CHASSIS

