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.

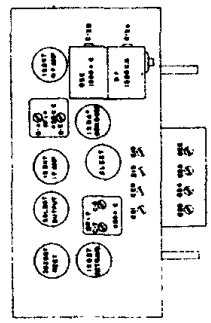
RF Alignment

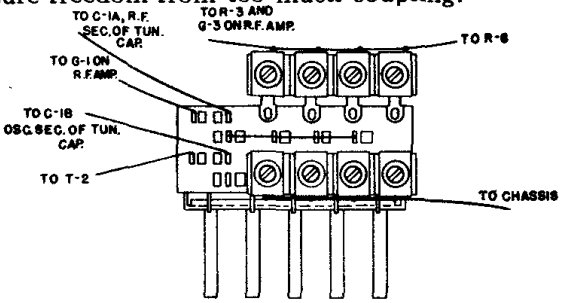
When making the following alignment the loop antenna must be bolted to the chassis by the two mounting screws. Since the glass dial scale is fastened to the cabinet, it cannot be used for reference during the alignment of the chassis outside the cabinet. Use must be made therefore of the four calibration marks at the botton 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-7068	C1A, 1B	CONDENSER—Tuning Condenser (with trimmers 2A, 2B mounted)
RC-235	C3	CAPACITOR—100 Mmf., mica
RC-374	C8	CAPACITOR—320 Mmf., mica
RC-242	C9	CAPACITOR—160 Mmf., mica
RC-639	C10	CAPACITOR—.01 Mfd., 600 V. paper
RC-672	C11	CAPACITOR—.05 Mfd., 200 V. paper
RC-160	C12	CAPACITOR—0.2 Mfd., 400 V. paper
RC-219	C13	CAPACITOR—47 Mmf., mica
RC-638	C14, 15	CAPACITOR—.01 Mfd., 600 V. paper
RC-662	C16	CAPACITOR—.05 Mfd., 600 V. paper
RC-6187	C17A	CAPACITOR—40 Mfd., 150 V. dry electrolytic
	C17B	CAPACITOR—30 Mfd., 150 V. dry electrolytic
RT-881	C18-C21	TRIMMER STRIP—Station key adjustments (R.F. section)
RT-883	C22-C25	TRIMMER STRIP—Station key adjustments (Osc. section)
RC-616	C26	CAPACITOR—.002 Mfd., 600 V. paper
RO-1210	R1	RESISTOR—22 ohm, ½ W. carbon
RO-1261	R2	RESISTOR—8200 ohm, ½ W. carbon
RO-1299	R3	RESISTOR—47,000 ohm, ½ W. carbon
RO-1295	R4	RESISTOR—33,000 ohm, ½ W. carbon
RO-1230	R5	RESISTOR—150 ohm, ½ W. carbon
RO-1250	R6	RESISTOR—2.2 megohms, ½ W. carbon
RV-123	R7, S1	VOLUME CONTROL—0.5 megohm control and power switch
RO-1240	R8	RESISTOR—5.6 megohm, ½ W. carbon
RO-1253	R9, 10, 11	RESISTOR—470,000 ohm, ½ W. carbon
RO-1220	R13	RESISTOR—100 ohm, ½ W. carbon
RO-661	R14	RESISTOR—1,000 ohm, 2 W. carbon
RS-3100	S2	SWITCH—Tone control switch
RS-3114	S3	SWITCH—Automatic tuning switch (less trimmers)
RL-566	L1	BEAM-A-SCOPE—Loop antenna and cabinet back assembly
RL-3083	T2	COIL—Oscillator coil and clip





Selector Switch Wiring