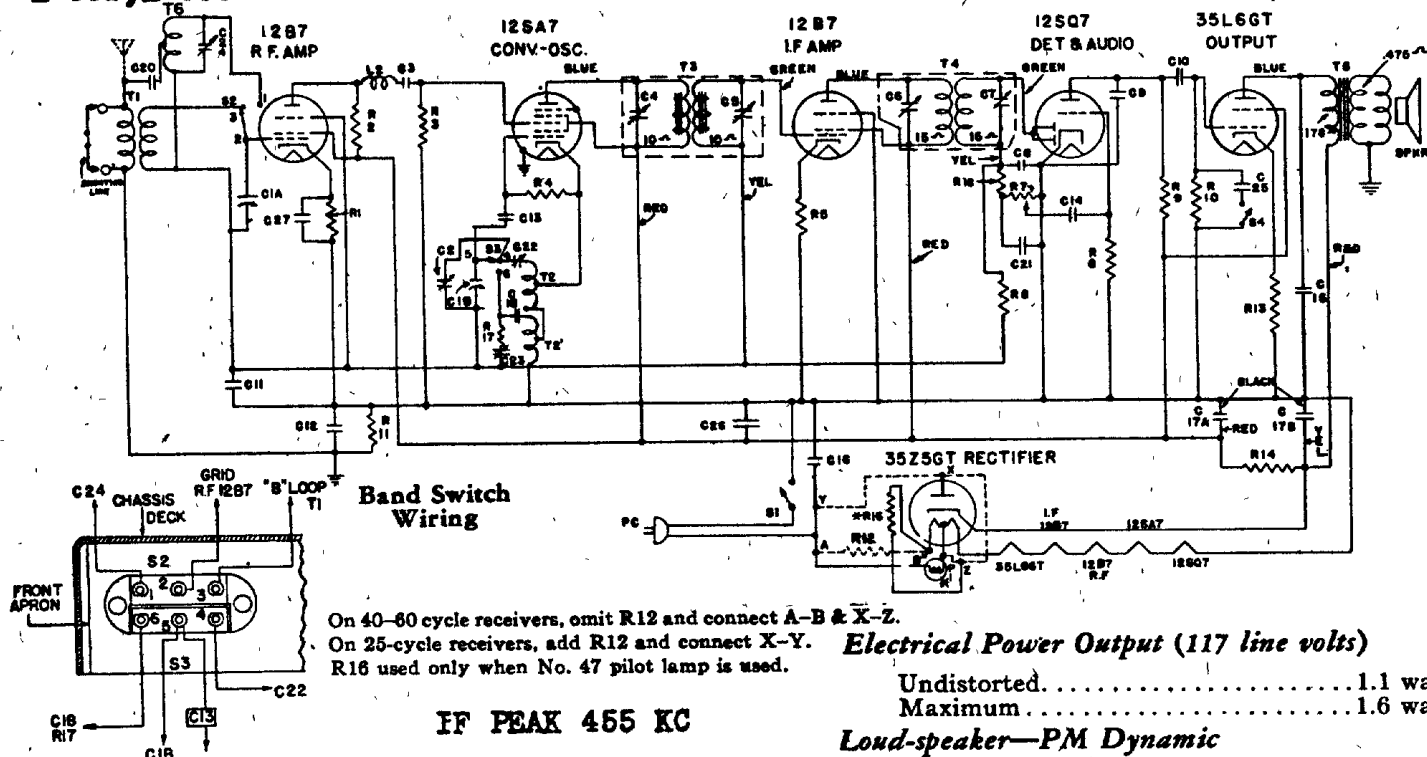


MODELS L-613, L-621, L-624,  
L-632, L-633

GENERAL ELECTRIC CO.



IF PEAK 455 KC

### ALIGNMENT CHART

Step	Connect Test-Osc. to	Test-Osc. Setting	Pointer Setting	Adjust Trimmers for Max. Output
1	12B7 IF Grid in series with .05 mfd.	455 KC	"BC" Band 550 KC	C6 & C7
2	6SA7 Conv. grid in series with .05 mfd.	455 KC	"BC" Band 550 KC	C4 & C5
3	Capacity Coupled	580 KC	"BC" Band 580 KC	C22**
4	Capacity Coupled	1500 KC	"BC" Band 1500 KC	C2** (Osc.)
5	REPEAT STEP 3			
6	Capacity Coupled	18 MC	"SW" Band 18 MC	C23* (Osc.)
7	Capacity Coupled	18 MC	"SW" Band 18 MC	C24** (Ant.)

\* Use minimum capacity peak.

\*\* Rock gang condenser when making alignment.

### Special Service Information

- Stage gains  
Antenna post to RF grid—3.0 at 1000 KC  
RF grid to converter grid—6.0 at 1000 KC  
Converter grid to IF grid—50 at 455 KC  
IF grid to 12SQ7 diode plate—75 at 455 KC
- Audio gains  
.14 volts, 400 cycles signal across volume control with control set to maximum will give approximately 1/2-watt speaker output.
- DC voltage developed across oscillator grid resistor (R4) averages 9.0 volts at 1000 KC or 8.0 volts at 10,000 KC.  
\* Variations of  $\pm 20\%$  permissible. All readings obtained with enough signal input to give 1/2-watt speaker output.

### Electrical Power Output (117 line volts)

Undistorted.....1.1 watts  
Maximum.....1.6 watts

### Loud-speaker—PM Dynamic

Outside Cone Diameter.....5 inches  
Voice Coil Impedance (400 cycles)...3.5 ohms

### REPLACEMENT PARTS LIST

Stock No.	Symbol	Description	List Price
*RC-7050	C1a, 1b	CONDENSER—Tuning condenser.	\$1.95
*RC-6547	C2	CAPACITOR—"BC" and "SW"	
		Osc. trimmer assembly.....	.30
*RC-235	C3	CAPACITOR—100 mmf. mica.....	.25
*RC-274	C8	CAPACITOR—330 mmf. mica.....	.30
*RC-242	C9	CAPACITOR—150 mmf. mica.....	.25
*RC-039	C10	CAPACITOR—.01 mfd., 600 V paper.....	.25
*RC-072	C11	CAPACITOR—.05 mfd. 260 V paper.....	.25
*RC-104	C12	CAPACITOR—.01 mfd. 600 V paper.....	.30
*RC-216	C13	CAPACITOR—47 mmf. mica.....	.25
*RC-023	C14	CAPACITOR—.005 mfd. 600 V paper.....	.25
*RC-039	C15	CAPACITOR—.01 mfd. 600 V paper.....	.25
*RC-092	C16	CAPACITOR—.05 mfd. 600 V paper.....	.30
*RC-5183	C17a, 17b	CAPACITOR—50 mfd. 60 mfd. 150 V. Electrolytic.....	.80
*RC-391	C18	CAPACITOR—4300 mmf. mica.....	.35
*RC-209	C20	CAPACITOR—39 mmf. mica.....	.25
*RC-235	C21	CAPACITOR—100 mmf. mica.....	.25
*RC-6548	C22	CAPACITOR—"B" padder.....	.35
*RC-6547	C23	CAPACITOR—"SW" and "BC"	
		Osc. Trimmer Assembly.....	.30
*RC-6546	C24	CAPACITOR—"SW" band ant. trimmer.....	.20
*RC-053	C25	CAPACITOR—.0032 mfd 600 V paper.....	.25
*RC-039	C-26, 27	CAPACITOR—.01 mfd. 600-V paper.....	.25
*RQ-1227	R-1	RESISTOR—47 ohm, 1/2-W. carbon.....	.70-5
*RQ-1275	R-2	RESISTOR—4700 ohm, 1/2-W carbon.....	.70-5
*RQ-1299	R-3	RESISTOR—47,000 ohm, 1/2-W carbon.....	.70-5
*RQ-1295	R-4	RESISTOR—33,000 ohm, 1/2-W carbon.....	.70-5
*RQ-1235	R-5	RESISTOR—100 ohm, 1/2-W carbon.....	.70-5
*RQ-1339	R-6	RESISTOR—2.2 megohm, 1/2-W carbon.....	.70-5
*RV-120	R-7, S-1	VOL. CONTROL—.5 megohm with power switch (Models L-621, 624, 632, 633).....	1.45
RV-131	R-7, S-1	VOL. CONTROL—.5 megohm with power switch (Model L-613 only).....	1.45
*RQ-1349	R-8	RESISTOR—5.6 megohm, 1/2-W carbon.....	.70-5
*RQ-1315	R-9	RESISTOR—220,000 ohm, 1/2-W carbon.....	.70-5
*RQ-1323	R-10, 11	RESISTOR—470,000 ohm 1/2-W carbon.....	.70-5
*RQ-1213	R-12	RESISTOR—12 ohm, 1/2-W. carbon.....	.70-5
*RQ-1239	R-13	RESISTOR—150 ohm, 1/2-W. carbon.....	.70-5
*RQ-651	R-14	RESISTOR—1000 ohm, 2-W. carbon.....	.20
*RQ-1255	R-16	RESISTOR—680 ohm, 1/2-W. carbon.....	.70-5
*RQ-1231	R-17	RESISTOR—68 ohm, 1/2-W. carbon.....	.70-5
*RQ-1299	R-18	RESISTOR—47,000 ohm, 1/2-W. carbon.....	.70-5
*RL-1012	L-2	COIL—R.F. Choke coil.....	.20

PRICES SUBJECT  
TO CHANGE  
WITHOUT NOTICE

