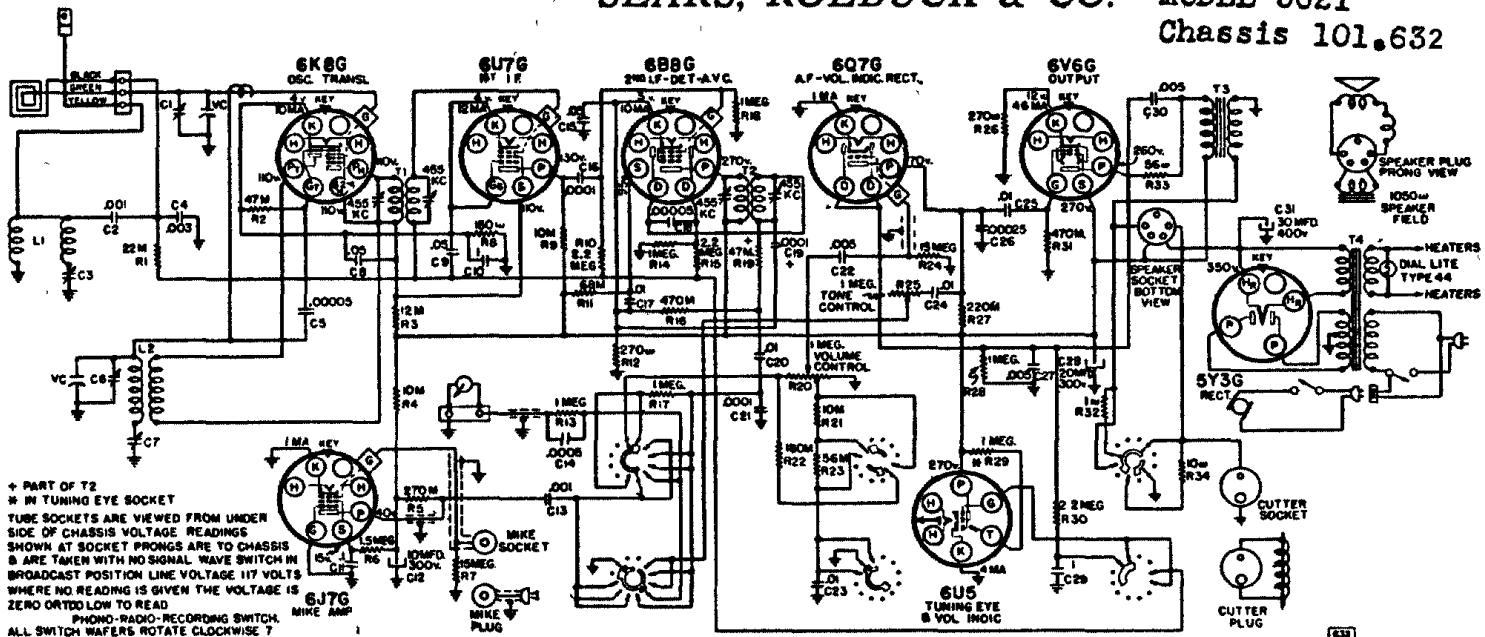


# SEARS, ROEBUCK & CO. MODEL 5621

## Chassis 101.632



JAN. 17, 1941

IF PEAK 455 KC

### PRELIMINARY:

### ALIGNMENT PROCEDURE

Output meter connection . . . . . Across loudspeaker voice coil  
 Output meter reading to indicate 500 milliwatts . . . . . 1.9 volts  
 Approximate microvolts input for 500 milliwatts output . . . . . See chart below  
 Dummy antenna value to be in series with generator output . . . . . See chart below  
 Connection of generator output lead . . . . . See chart below  
 Connection of generator ground lead . . . . . Receiver chassis  
 Generator modulation . . . . . 30%, 400 cycles  
 Position of Volume Control . . . . . Fully clockwise  
 Position of Tone Control . . . . . Counter-clockwise (HI)  
 Position of Dial Pointer with variable fully closed . . . . . On mark to left of  
 540 kc calibration mark

POSITION OF VARIABLE	GENERATOR FREQUENCY	DUMMY ANTENNA	GENERATOR CONNECTION	TRIMMERS ADJUSTED (IN ORDER SHOWN)	TRIMMER FUNCTION	APPROXIMATE MICROVOLTS
Closed	455 kc	.1 mfd.	6K8G Grid	T2, T1	IF	—
600 kc	455 kc	.00005 mfd.	Ant. Clip	C3*	Wave Trap	—
Fully open	1620 kc	.00005 mfd.	Ant. Clip	C6	Oscillator	—
1400 kc	1400 kc	.00005 mfd.	Ant. Clip	C1	Translator	125
600 kc (rock)	600 kc	.00005 mfd.	Ant. Clip	C7	Padder	55

### IMPORTANT ALIGNMENT NOTES

\* The generator should be adjusted for high output. The trimmer should be adjusted for minimum output meter reading instead of the usual maximum reading. If the frequency of an interfering station around 455 kc is known, the generator should be adjusted to the frequency of that station instead of to 455 kc.

Where indicated by the word, "Rock", the variable should be rocked back and forth a degree or two while making the adjustment.

The alignment procedure should be repeated stage by stage, in the original order, for greatest accuracy. Always keep the output from the test oscillator at its lowest possible value to make the AVC action of the receiver ineffective.

LOCATIONS OF PARTS ON TOP . . . CHASSIS 101.632

