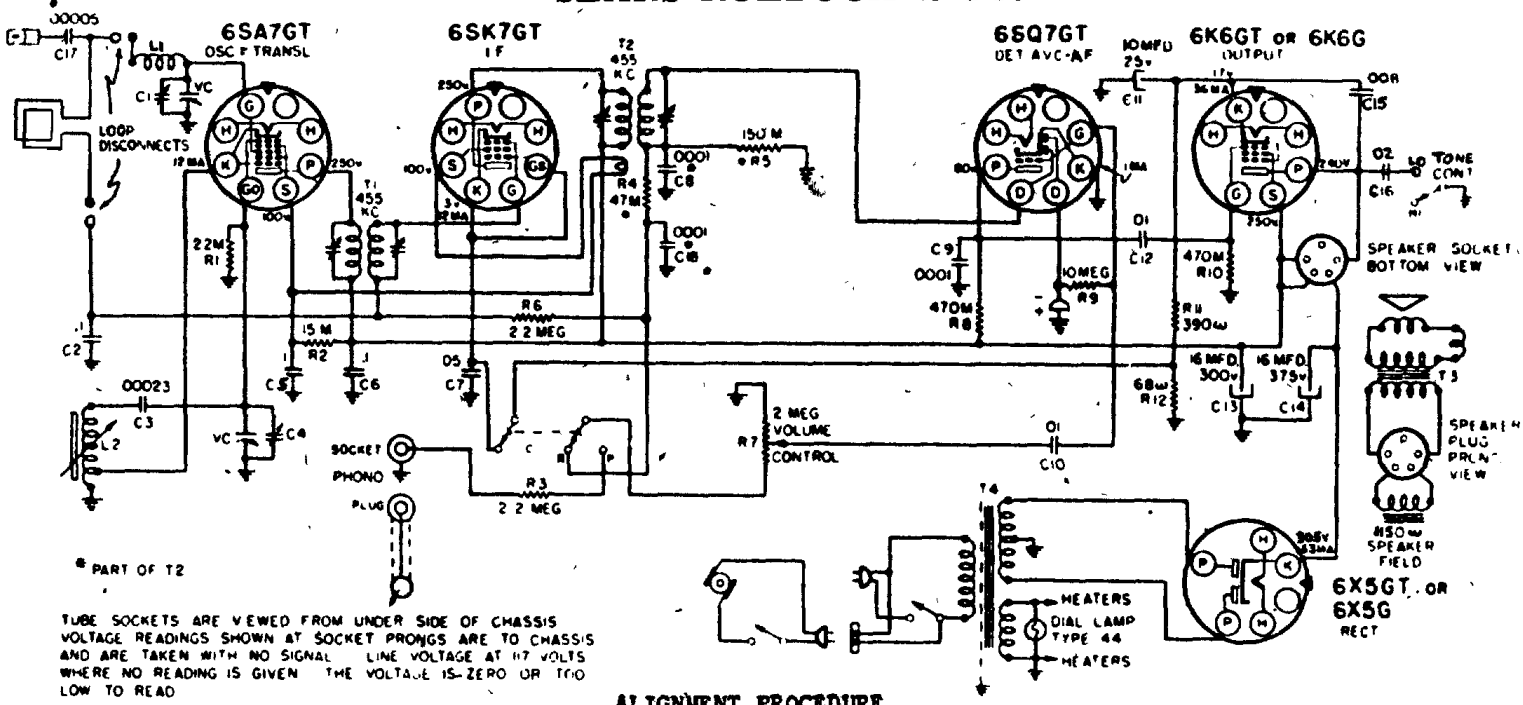
MODEL 6100, Ch. 101.660-1A

SEARS ROEBUCK & CO.



TUBE SOCKETS ARE VIEWED FROM UNDER SIDE OF CHASSIS VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO CHASSIS AND ARE TAKEN WITH NO SIGNAL LINE VOLTAGE AT 117 VOLTS WHERE NO READING IS GIVEN THE VOLTAGE IS ZERO OR TOO LOW TO READ

ALIGNMENT PROCEDURE

PRELIMINARY:

Output meter connection.....Across loudspeaker voice coil
Output meter reading to indicate 500 milliwatts.....1.25 volts
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.....Counterclockwise (HI)
Position of Dial Pointer with variable fully closed.....On mark below 540 Kc Calibration mark

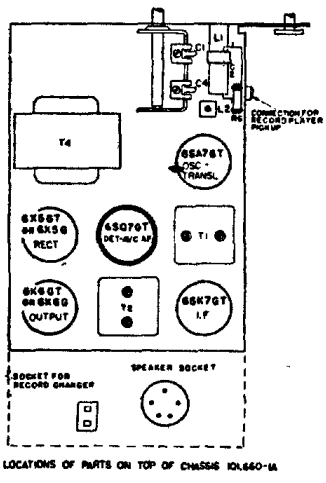
POSITION OF VARIABLE	GENERATOR FREQUENCY	DUMMY ANTENNA	GENERATOR CONNECTION	ADJUSTMENTS (IN ORDER SHOWN)	FUNCTION
Closed	455 Kc	.1 mfd.	6SA7 Grid	T2, T1	I.F.
Fully open	1620 Kc	.00005 mfd.	Ant. Clip	C4	Oscillator
1410 Kc	1410 Kc	.00005 mfd.	Ant. Clip	C1	Translator
600 Kc (rock)	600 Kc	.00005 mfd.	Ant. Clip	L2	Padder
Fully open	1620 Kc	.00005 mfd.	Ant. Clip	C4	Oscillator

IMPORTANT ALIGNMENT NOTES.

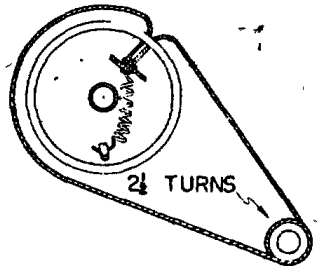
Where indicated by the word "Rock", the variable should be rocked back and forth a degree or two while making the adjustment.

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.

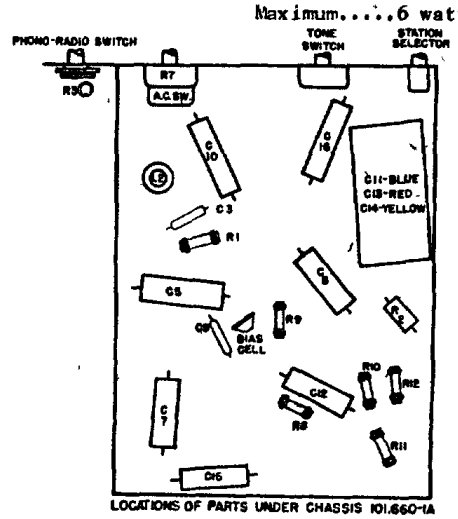
POWER OUTPUT Undistorted.....2.5 watts Maximum.....6 watts



LOCATIONS OF PARTS ON TOP OF CHASSIS 101.660-1A



CONDENSER DRIVE HOOKUP



LOCATIONS OF PARTS UNDER CHASSIS 101.660-1A