CHASSIS 101.505,101.505X
101.506,101.507,101.509
101.512,101.513,101.527

SEARS-ROEBUCK & CO.

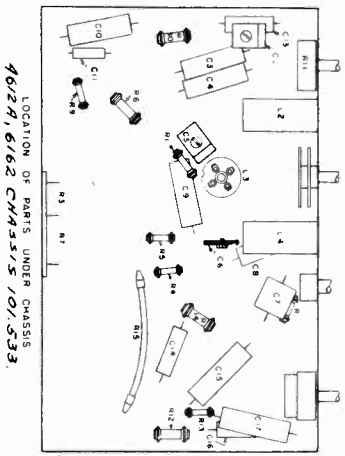
101.528,101.533
Alignment Notes

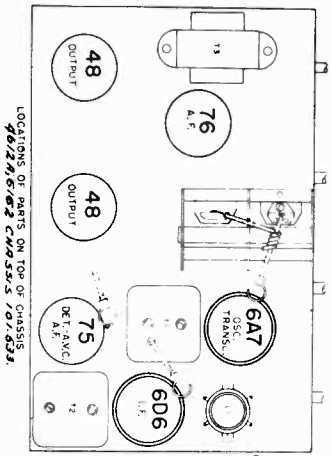
USE OF ALIGNMENT TABLE BELOW:- FOR TRIMMER LOCATIONS FOR ALL MODELS, SEE INDEX.

MODELS INDICATED AS 4612A INCLUDES MODELS 6162, CHASSIS 101.533.
.. .. ..4632A ;; .. 4633A, 6014, 6015, 6044, 6045, 6064, 6144, 6164,, CHASSIS 101.505 OR 101.505X.
.. .. .. 6005 .. .. 6071, 6076, 6171, 6176., CHASSIS 101.507.
.. .. .. 6016 .. .. 6017, 6046, 6047, 6146., CHASSIS 101.512.
.. .. .. 6022 .. .. 6122, 6132., CHASSIS 101.509.
.. .. .. 6023 .. .. 6123., CHASSIS 101.506.
.. .. .. 6072 .. .. 6077, 6172., CHASSIS 101.513.
.. .. .. 6073 .. .. 6173., CHASSIS 101.528.
.. .. .. 6125 .. .. CHASSIS 101.527.

FOR ALL MODELS, ALIGN EACH SUCESSIVE TRIMMER AS INDICATED. IN SOME MODELS, ALIGNMENT FREQUENCIES DIFFER; IN THESE CASES THE MODELS ARE SHOWN IN THE "WAVE BAND SWITCH POSITION" COLUMN. WHERE NO TRIMMER IS SHOWN FOR ADJUSTMENT, THE SET IS NOT ALIGNED AT THAT FREQUENCY.

Output meter connection . . . . . Across loud speaker voice coil
Output meter reading to indicate 50 milliwatts, Models 4612A, 6073 - .32 volt; 6005 - .29 volt; 4632A - .38 volt; 6016, 6072 - .37 volt.
Output meter reading to indicate 500 milliwatts, Models 6125 - 1.17 volts; 6022 - 1.22 volts; 6023 - 1.23 volts.
Generator ground lead connection . . . . . Receiver chassis
Dummy antenna value to be in series with generator output . . See chart below
Connection of generator output lead . . . . . See chart below
Generator modulation . . . . . 30%, 400 cycles
Average sensitivity in microvolts for 500 milliwatts output, Models 6022, 6072, 6125, 6023; for 50 milliwatts output, Models 4612, 6016, 6073, 6005; for 15 milliwatts output, Model 4632A . . . . . See chart below
Position of Volume Control . . . . . Fully clockwise
Position of Tone Control . . . . . Hi
Position of Dial Pointer with variable fully closed . . . . . Horizontal
(To fall along second ornamental horizontal line) Model 4632A; (To fall along first heavy black line below 550 kc.) Models 4612A, 6005, 6016, 6022, 6023, 6072, 6073, 6125.





ELIMINATING WHISTLE AT 930 KC: MODELS 4632A, 6005, 6016, 6022, 6023, 6072, 6125.

A whistle, due to a beat between the second harmonic (930 kc) of the 465 kc IF, and a 930 kc signal may be experienced. In localities where the 930 kc station is one that is frequently listened to, it will be desirable to shift the whistle to some other point where it will not be objectionable. This can be done by shifting the IF frequency of the receiver.

Determine at what point between 900 kc and 960 kc the whistle will be least objectionable. Dividing this frequency by two will give the new IF frequency to which the receiver should be aligned. For example, if it is determined that a whistle at 915 kc would not be objectionable, the IF should be realigned at 915/2 or 457.5 kc. Try to select the new IF frequency as near to 465 kc as possible.

Align the IF at the new frequency and then realign the rest of the receiver as described under, "ALIGNMENT PROCEDURE".

WAVE BAND SWITCH POSITION	POSITION OF VARIABLE	GEN. FREQ.	DUMMY ANT?	GENERATOR CONNECTION	TRIMMERS ADJUSTED (IN ORDER SHOWN) MODELS 4612A	4632A	6005	6016	6022	6023	6072	6073	6125	TRIMMER FUNCTION	APPROXIMATE MICROVOLTS MODELS 4612A	4632A	6005	6016	6022	6023	6072	6073	6125
"A"	CLOSED	465KC	.1MFD.	6072 6073 6A7 GRID; 6016 4632A 1C7G GRID; 6022 6125 6023 6J8G GRID; 6073 6D8G GRID		T2,T1	T2T1	T2T1	T2T1	T2T1	T2T1	T2T1	T2T1	IF OUTPUT IF INPUT		100	68	115	150	125	90	--	115
"A" (4612A)	550KC	465KC	.1MFD	6A7 GRID	T2,T1									I F	40								
"A"	600Ke	465KC	.0002MFD.	ANT. TERM.		C1*	C1*	C1*	C1*	C2*	C1*	C1*	C1*	WAVE TRAP	-	-	-	-	-	-	-	-	-
"A" (4612A)	OPEN	1750KC	.0002MFD.	ANT.TERM.	C5									OSC.	50								
"A" 6072 6022	FULLY OPEN	1730KC	.0002MFD.	ANT.TERM.					C7		C8			OSC.					95		80		
"A"	1400KC	1400KC	.0002MFD.	ANT.TERM.	C1	C5,C3	C6C2	C3	C2	C9C3	C2		C8C2	OSC.-TRANS.	25	60	40	30	70	30	55		45
"A" (6016)	1730KC	1730KC	.0002MFD.	ANT.TERM.				C5						OSC.				40			•		
"A" (6073)	1500KC	1500KC	.0002MFD.	ANT.TERM.								C5C2		OSC.-TRANS.								40	
"A"	600KCROCK	600KC	.0002MFD.	ANT.TERM.	C6	C7	C7	C7	C8	C10	C7	C6	C9	PADDER	15	40	30	35	60	30	40	30	30
"F" 4612A 6023 6073 6125 6022	15MC ROCK	15MC	400 OHMS	ANT. TERM.	C2		C3		C8	C5		C3	C4	TRANS.	35				60	45		45	100
"F"	16MC ROCK	16MC	400 OHMS	ANT.TERM.		C4	C4	C4			C3			TRANS.		70	50	40			50		
"F" (4612A)	6 MC	6 MC	400 OHMS	ANT.TERM.										--	70								

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 465 kc is known, the generator should be adjusted to the frequency of that station instead of to 465 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.

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