

Sears Roebuck & Co.

Model: 6495

Chassis:

Year: Pre June 1940

Power:

Circuit:

IF:

Tubes:

Bands:

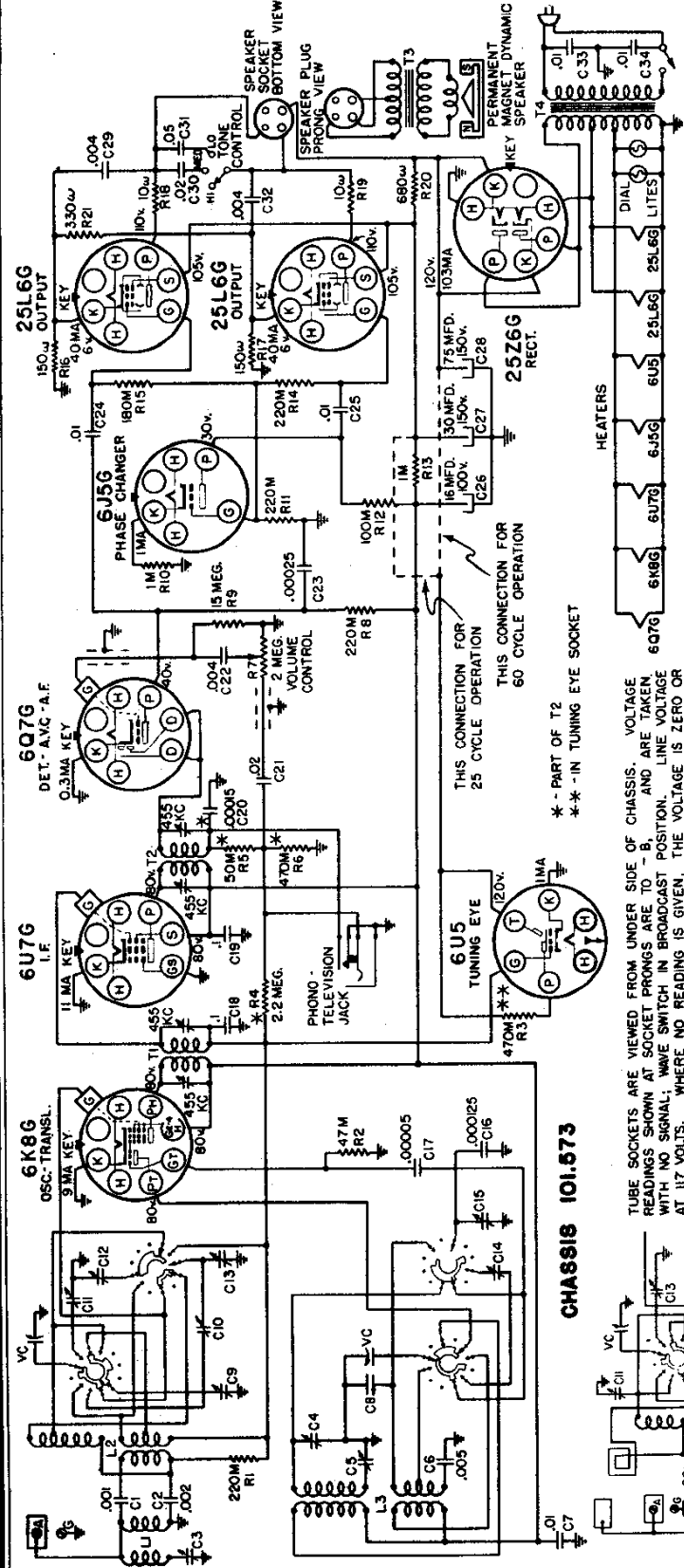
Resources

Riders Volume 11 - SEARS 11-63

Riders Volume 11 - SEARS 11-64

SEARS, ROEBUCK & CO.

MODELS 6335,6435,6490
 6495,Ch.101.573
 Schematic,Voltage,Tuner
 MODEL 6490A,Ch.101.573-1,-1B
 Change in Schematic



JUNE 19, 1939

INTERMEDIATE FREQUENCY 455 kc

POWER SUPPLY:
 All models available 105-125 v., 50-60 cycles AC; 65 watts
 All models available 105-125 v., 35-60 cycles AC; 65 watts

POWER OUTPUT:
 Type Push-pull beam
 Undistorted 3 watts
 Maximum 3.7 watts

LOUD SPEAKER:
 Type FM Dynamic
 Size8 and 10 inch

CHASSIS 101.573

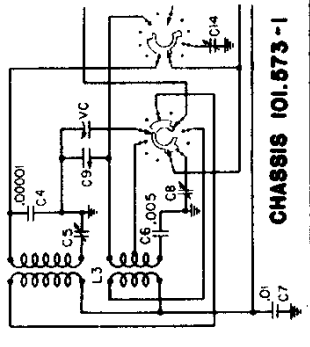
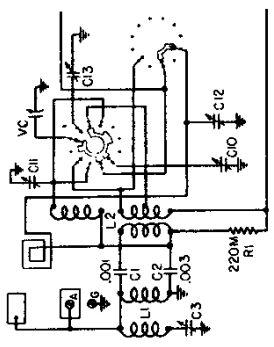
TUBE SOCKETS ARE VIEWED FROM UNDER SIDE OF CHASSIS. VOLTAGE READINGS SHOWN AT SOCKET PRONGS ARE TO - B, AND ARE TAKEN WITH NO SIGNAL, WAVE SWITCH IN BROADCAST POSITION. LINE VOLTAGE AT 117 VOLTS, WHERE NO READING IS GIVEN, THE VOLTAGE IS ZERO OR TOO LOW TO READ.

THIS CONNECTION FOR 25 CYCLE OPERATION

THIS CONNECTION FOR 60 CYCLE OPERATION

** - PART OF T2

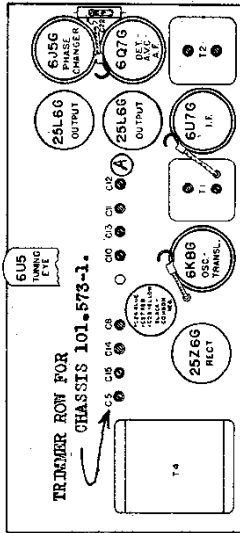
** - IN TUNING EYE SOCKET



MODELS 6335, 6435, 6490
6495, Ch. 101.573; 6490A
Ch. 101.573-1, -1B
Alignment, Chassis

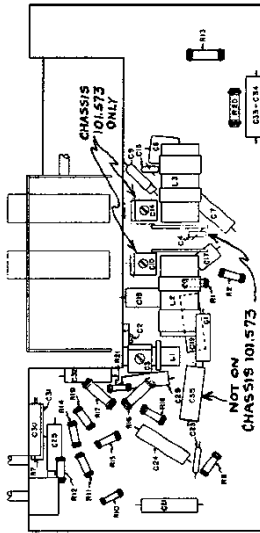
SEARS, ROEBUCK & CO.

Trimmers, Socket
Dial Data
MODELS See Below
Dial Drive Data

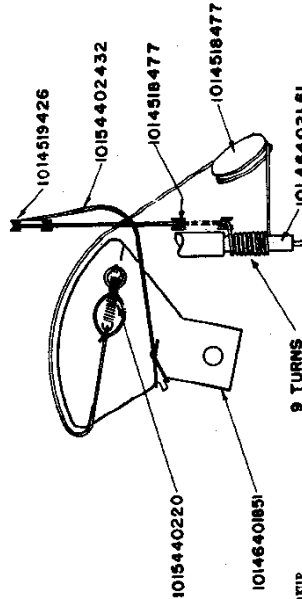


LOCATIONS OF PARTS ON TOP OF CHASSIS

TRIMMER ROW AT (A) ABOVE
FOR CHASSIS 101.573



LOCATIONS OF PARTS UNDER CHASSIS



DIAL DRIVE HOOKUP

THIS DIAL AND DRIVE HOOKUP APPLIES DIRECTLY TO MODELS 6335, 6435, 6490, 6495, CHASSIS 101.573; 6490A CHASSIS 101.573-1, -1B; 6360, 6360, 6361, 6379, 6380, 6381 CHASSIS 101.579; 6368 CHASSIS 101.582; 6382 CHASSIS 101.594; also to MODELS 6362, 6363, 6364 CHASSIS 101.581 EXCEPT THAT PART NO. 1014141219 REPLACES PART 101414183 SHOWN ABOVE. THE ABOVE ALSO APPLIES TO MODEL 6441 CHASSIS 101.599 EXCEPT THAT PART NO. 1015440220 REPLACES NO. 1015440220 AND 1014519426 REPLACES PART NO. 1014519426 SHOWN ABOVE.

ALIGNMENT PROCEDURE

PRELIMINARY:
Output meter connection to indicate 500 milliwatts . . . Across loud speaker voice coil
Generator ground lead connection . . . To ext. 400 ohm load
Generator modulation . . . To ext. 400 ohm load
Position of Volume Control . . . Fully clockwise
Position of Tone Control . . . Fully clockwise
Position of Dial Pointer with variable fully closed . . . At block to left of
550 to calibration mark.

FOR CHASSIS 101.573-1

WAVE BAND POSITION	GENERATOR FREQUENCY	DUMMY ANTENNA CONNECTION	GENERATOR CONNECTION	TRIMMER FUNCTION	APPROXIMATE MICROVOLTS
"A"	Closed	455 kc	6K86 Grid	IF	--
"B"	500 kc	455 kc*	0003 mfd. Ant. Term.	Wave Trap	100
"C"	2.5 mc	400 ohms Ant. Term.	Cl4	Oscillator	100
"D"	15 mc (rock)	15 mc Ant. Term.	Cl1	Translator	100
"E"	9.55 mc	15 mc Ant. Term.	Cl2	Translator	40
"F"	1400 kc	1400 kc	0003 mfd. Ant. Term.	Padder	40
"G"	500 kc (rock)	500 kc	0003 mfd. Ant. Term.	Trans. Pad.	100
"H"	15 mc (rock)	15 mc	400 ohms Ant. Term.	Translator	15
"I"	9.55 mc	9.55 mc	400 ohms Ant. Term.	Osc. Transl.	80

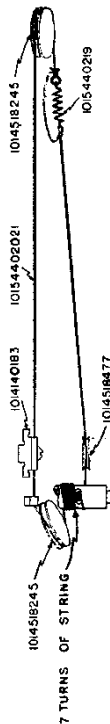
FOR CHASSIS 101.573

WAVE BAND POSITION	GENERATOR FREQUENCY	DUMMY ANTENNA CONNECTION	GENERATOR CONNECTION	TRIMMER FUNCTION	APPROXIMATE MICROVOLTS
"A"	Closed	455 kc	6K86 Grid	IF	--
"B"	500 kc	455 kc*	0003 mfd. Ant. Term.	Wave Trap	100
"C"	1400 kc	1400 kc	0003 mfd. Ant. Term.	Oscillator	40
"D"	500 kc (rock)	500 kc	0003 mfd. Ant. Term.	Translator	40
"E"	2.5 mc	2.5 mc	400 ohms Ant. Term.	Trans. Pad.	100
"F"	15 mc (rock)	15 mc	400 ohms Ant. Term.	Translator	15
"G"	9.55 mc	9.55 mc	400 ohms Ant. Term.	Osc. Transl.	80

Repeat the Cl4, Cl0 and Cl2 adjustments until perfect alignment is obtained. This will require going back and forth over these adjustments several times.

IMPORTANT ALIGNMENT NOTES

- * The generator should be adjusted for high output. The trimmer should be adjusted for minimum output. The frequency of the generator should be checked for accuracy or an interfering station around 455 kc is known. The generator should be adjusted to the frequency of that station instead of to 455 kc. Cl3 is mounted under the receiver.
- 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.



DIAL DRIVE HOOKUP