# Engineering Data Stromberg-Carlson No. 130 Series Radio Receivers

# STROMBERG-CARLSON TELEPHONE MANUFACTURING COMPANY Rochester, New York

#### ELECTRICAL SPECIFICATIONS

Type of CircuitTuning Ranges	Superheterodyne A—540 to 1500 Kc.; B—1450 to 3500 Kc.; C—5600 to 18,000 Kc.					
Nos. 130-M and 130-R Receivers2 No. 6K7	2 No. 6K7, 1 No. 6A8, 1 No. 6H6, 1 No. 6F5, 1 No. 6F6, 1 No. 80, 1 No. 6A8, 1 No. 6H6, 1 No. 6F5, 1 No. 6F6, 1 No. 80, 1 No. 6E5					
Power Supply Frequency	25 to 60 Cycles and 50 to 60 Cycles 70 Watts 465 Kilocycles					
APPARATUS SPECIFICATIONS						
Nos. 130-HB, 130-UB, 130-LB, 130-RB25 to 60 No. 130-M50 to 60	Cycles       P-26246 Chassis; P-26171 Loud Speaker         Cycles       P-26247 Chassis; P-26171 Loud Speaker         Cycles       P-26246 Chassis; P-26170 Loud Speaker         Cycles       P-26247 Chassis; P-26170 Loud Speaker         Cycles       P-26247 Chassis; P-26170 Loud Speaker					

#### CIRCUIT DESCRIPTION

The No. 130 Series of Radio Receivers are divided into two groups; the Nos. 130-U, 130-H, and 130-L are seven tube receivers and are not equipped with the "Tri-Focal Tuning System". The Nos. 130-M and 130-R are eight tube receivers and are equipped with the exclusive Stromberg-Carlson "Tri-Focal Tuning System". A socket is provided on the rear of the chassis for making connections between the tuning indicator and receiver circuits. The chassis used in these different models of No. 130 Receivers are identical.

These No. 130 Receivers are composed of a seven tube chassis employing metal tubes, and have three tuning ranges. In order to obtain maximum performance from these receivers, a sensitivity control is provided for use on the standard broadcast band only. Its control knob is located on the rear of the chassis base. When either the "B" or "C" ranges are in operation, this sensitivity control is automatically cut out of the circuit so that the receiver will function at its maximum sensitivity on these two ranges. In some localities it will be found that without the use of this control, it will be impossible to eliminate adjacent channel interference. When this condition is obtained, the receiver should be tuned accurately to the desired station, and this sensitivity control adjusted so that minimum interference is obtained from the interfering station. See Figure 1.

The various tubes are used in these receivers as follows: One No. 6K7 tube is used in the R. F. Amplifier, and the other No. 6K7 is used in the I. F. Amplifier. The No. 6A8 tube functions as both Oscillator and Modulator tube. The No. 6H6 tube is used as a Demodulator and Automatic Volume Control tube. The No. 6F5 tube is used in the Audio Frequency Amplifier Stage (Driver), and the No. 6F6 tube is used in the Audio Power Output Stage. The No. 80 tube is the Rectifier tube of the power supply unit. In the Nos. 130-M and 130-R Receivers the No. 6E5 tube is used as the indicator of the Tri-Focal Tuning System.

#### NORMAL VOLTAGE READINGS

The various values of voltages listed in the following table are obtained by measuring between the various tube socket contacts and the chassis base, with the tubes in their respective sockets. The receiver is, therefore, in operation when the measurements are made. Figure 2 shows the terminal layout of the sockets with the proper terminal numbers.

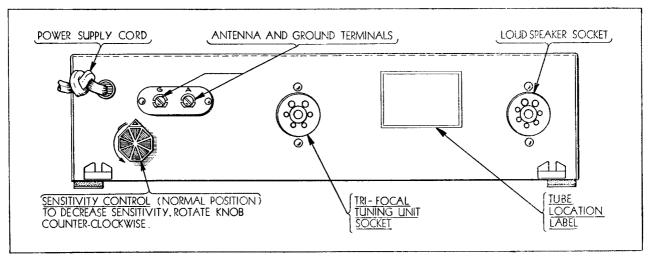


Fig. 1. Location and Operation of Sensitivity Control.

Voltages are given for a line voltage of 120 volts, and allowance should be made for differences when the line voltage is higher or lower. A meter having a resistance of 1000 ohms per volt should be used for measuring the D. C. voltages. Voltage values shown are those obtained on the lowest possible scale of a meter having the following ranges: O-2.5, O-10, O-100, O-250, O-500, O-1000 volts except when an asterisk appears after any given voltage value in which case the 1000 volt scale was used.

			Terminals of Sockets						Heater Voltages Between Heater Terminals			
Tube	Circuit	Cap.	1	2	3	4	5	6	7	8	Socket Terminal Numbers	Volts
6K7	R. F. Amp.	0	0	0	+ 54	+ 96	+7.6	+4.5	6.3	+7.6	2-7	$\overline{6.3}$
6A8	OscMod.	0	0	0	+222	+ 72	-1.0	+143	6.3	+6.1	2-7	6.3
6K7	I. F. Amp.	0	0	0	+240	+ 96	+7.4	+4.5	6.3	+7.4	2-7	6.3
6H6	Dem.—A.V.C.		0	0	0	0	0		6.3	+4.5	2-7	6.3
6F5	Audio Amp.	0	0	0		+122*			6.3	+.75	2-7	6.3
6F6	Audio Output		0	0	+226	+237	0	0	6.3	+ 15	2-7	6.3
80	Rectifier		+330	325	325	+330	-				1-4	4.8
cator Pl	nl Tuning Indi- ug's Socket ri-Focal Tuning Jsed		6.3	0	+7.6	+235	+7.8	0			1-6	6.3
cator Pl When T	nl Tuning Indi- ug's Socket ri-Focal Tuning Not Used		6.3	0	+7.6	+237	+7.3	0			1-6	6.3
Speaker			+327	0	0	$\frac{+327}{+327}$	+327	0	+237			

Receiver tuned to 1000 Kc., no signal. A. C. voltages are indicated by italics,

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#### ALIGNMENT DATA

All alignment adjustments are accurately made at the factory on these receivers and ordinarily no readjustments are necessary. However, should it become necessary to make any readjustments, this alignment procedure should be carefully followed.

In making any alignment adjustments always adjust the signal generator's output to the minimum value where a good alignment may still be obtained. Never attempt to make any alignment adjustments using a strong signal.

Figure 2 shows the location of all the aligning capacitors used in this receiver.

#### Intermediate Frequency Amplifier Adjustments

The intermediate frequency used in these receivers is 465 kilocycles. In making these I. F. circuit adjustments always align in the following order:

- Secondary of 2nd I. F. Transformer (Capacitor C-13). Primary of 2nd I. F. Transformer (Capacitor C-12). Secondary of 1st I. F. Transformer (Capacitor C-11). Primary of 1st I. F. Transformer (Capacitor C-10).

### Radio Frequency Adjustments

The adjustments of the aligning capacitors used in the radio frequency circuits very carefully made in the following order and at the frequencies specified below:

1. Oscillator's "C" Band Shunt Aligner at 17 Megacycles (Capacitor C-7).

2. R. F. Interstage "C" Band Shunt Aligner at 17 Megacycles (Capacitor C-6).

3. Antenna "C" Band Shunt Aligner at 17 Megacycles (Capacitor C-3).

4. Oscillator's "B" Band Shunt Aligner at 3.4 Megacycles (Capacitor C-8).

5. R. F. Interstage "B" Band Shunt Aligner at 3.4 Megacycles (Capacitor C-5).

6. Antenna "B" Band Shunt Aligner at 3.4 Megacycles (Capacitor C-9).

7. Oscillator's "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-9).

8. R. F. Interstage "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-4).

9. Antenna "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-1).

10. Oscillator's "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-9).

11. Oscillator's "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-9).

12. R. F. Interstage "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-9).

13. Antenna "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-1). The adjustments of the aligning capacitors used in the radio frequency circuits in this receiver should be

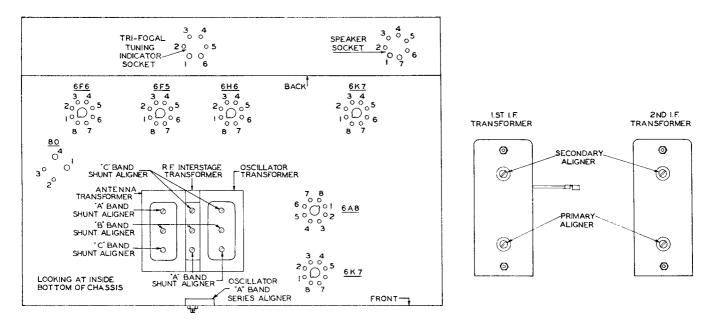


Fig 2. Terminal Layout for Voltage Measurement Chart and Location of the Various Aligning Capacitors.

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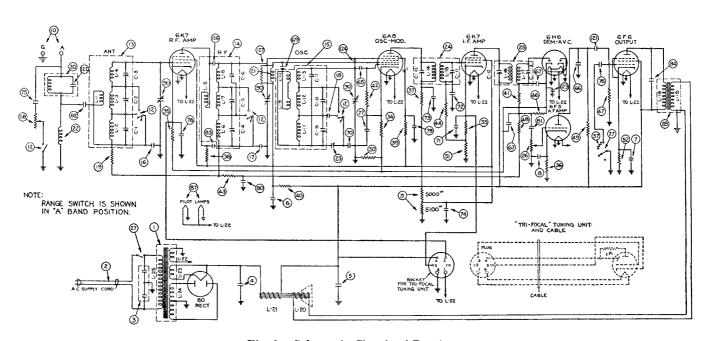


Fig. 3. Schematic Circuit of Receiver.

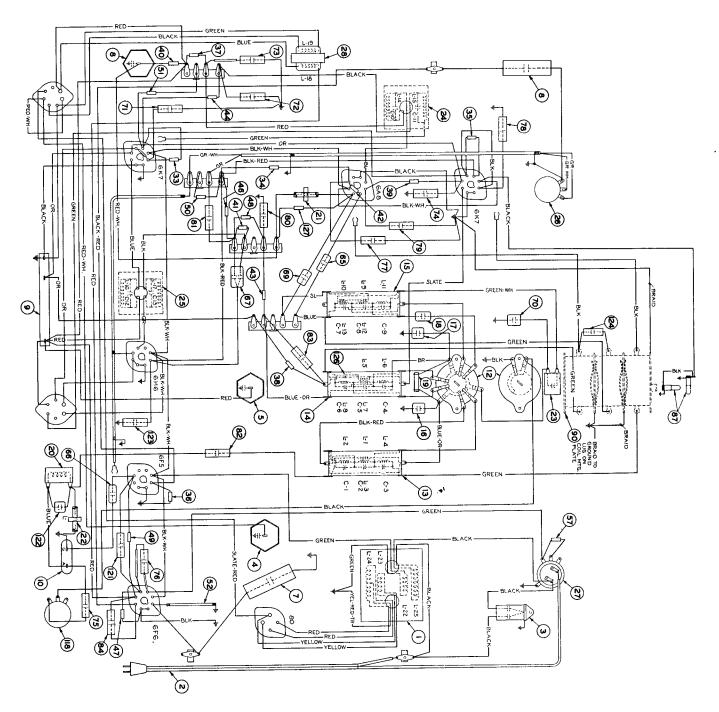


Fig. 4. Wiring Diagram of Chassis.

## REPLACEMENT PARTS

Item Number	Piece Number	Part	Item Number	Piece Number	Part
1	26248	Power Transformer (50 to 60 Cycles)	70	25489	Capacitor, .00125 Mf.
1	26249	Power Transformer (25 to 60 Cycles)	71	24402	Capacitor Assembly, .1 Mf.
2	24268	Cord, A. C. Supply	72	24402	Capacitor Assembly, .1 Mf.
3	21535	Capacitor Assembly (201 Mf. Capacitors)	73	25483	Capacitor Assembly, .1 Mf., 400 Volts
4	26403	Capacitor, Electrolytic, 25Mf.	74	25483	Capacitor Assembly, .1 Mf., 400 Volts
5	25458	Capacitor, Electrolytic, 16 Mf.	75	25149	Capacitor Assembly, .01 Mf.
6	25458	Capacitor, Electrolytic, 16 Mf.	76	25149	Capacitor Assembly, .01 Mf.
7	24207	Capacitor, Electrolytic, 10 Mf., 25 Volts	77	25150	Capacitor Assembly, .02 Mf.
8	24207	Capacitor, Electrolytic, 10 Mf., 25 Volts	78	25150	Capacitor Assembly, .02 Mf.
9	26405	Resistor, "B" Voltage Divider	79	25150	Capacitor Assembly, .02 Mf.
12	26402	Range Switch	80	25150	Capacitor Assembly, .02 Mf.
13	25510	Coil Assembly, Antenna	81	25150	Capacitor Assembly, .02 Mf.
14	25511	Coil Assembly, R. F.	82	25150	Capacitor Assembly, .02 Mf.
15	25512	Coil Assembly, Oscillator	83	25481	Capacitor Assembly, .002 Mf.
16	25488	Capacitor, .002 Mf.	84	25533	Capacitor Assembly, .006 Mf.
17	25527	Capacitor, .0027 Mf.	87	26287	Pilot Lamp
18	25490	Capacitor, .0038 Mf.	89	26285	Dial Assembly
19	26383	Resistor, Type "E1", .1 Megohm	90	26414	Gang Tuning Capacitor
20	25513	Coil Assembly, Wave Trap	121	25149	Capacitor Assembly, .01 Mf.
21	25814	Coil Assembly, R. F. Choke	122	25488	Capacitor, .002 Mf.
22	25814	Coil Assembly, R. F. Choke	123	24402	Capacitor Assembly, .1 Mf.
23	26047	Capacitor, Osc. Series Aligner	124	26417	Capacitor, Gimmick
24	26406	1st I. F. Transformer	127	26350	Resistor, Type "E", 27,000 Ohms
25	25506	2nd I. F. Transformer			
26	26114	Potentiometer, Volume Control			
27	26271	Switch, "Off-On-Tone"		M	IISCELLANEOUS PARTS
28	26411	Transformer, Audio Output			
29	22988	Socket, 4 Pong	Piece		704
30	22974	Socket, 6 Prong	Number		Part
31 32	23517	Socket, 7 Prong	<b>26</b> 250	Cone A	ssembly (For P-26170 Speaker)
		a 1 1 0 m			- · ·
	25539	Socket, 8 Prong	25492		Assembly (For P-26171 Speaker)
33	26327	Resistor, Type "E", 330 Ohms	26043	Plug (	assembly (For P-26171 Speaker) For Loud Speaker Cable)
33 34	2632 <b>7</b> 2632 <b>6</b>	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms	26043 26491	Plug () Plug (	assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable)
33 34 35	26327 26326 26331	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms	26043	Plug () Plug ( Resista	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No.
33 34 35 36	26327 26326 26331 26340	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E" 3900 Ohms	26043 26491 263 <b>6</b> 9	Plug () Plug ( Resiste 6E5	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube)
33 34 35 36 37	26327 26326 26331 26340 26341	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E" 3900 Ohms Resistor, Type "E", 47,000 Ohms	26043 26491 26369 26147	Plug () Plug ( Resiste 6E5 Pilot L	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Jamp Socket
33 34 35 36 37 38	26327 26326 26331 26340 26341 26345	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E" 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms	26043 26491 263 <b>6</b> 9	Plug () Plug ( Resiste 6E5 Pilot L Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Jamp Socket (For Volume Control. Used on the Nos. 130-H,
33 34 35 36 37 38 39	26327 26326 26331 26340 26341 26345 26345	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E" 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,600 Ohms Resistor, Type "E", 10,000 Ohms	26043 26491 26369 26147 26302	Plug (1 Plug ( Resiste 6E5 Pilot I Knob 130-	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Jamp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers)
33 34 35 36 37 38 39	26327 26326 26331 26340 26341 26345 26345 26350	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms	26043 26491 26369 26147	Plug (1 Plug ( Resista 6E5 Pilot L Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) samp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No.
33 34 35 36 37 38 39 40	26327 26326 26331 26340 26341 26345 26345 26350 26353	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms	26043 26491 26369 26147 26302 26303	Plug (1 Plug ( Resista 6E5 Pilot L Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For, Type "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers)
33 34 35 36 37 38 39 40 41	26327 26326 26331 26340 26341 26345 26345 26350 26353 26353	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms	26043 26491 26369 26147 26302	Plug (1 Plug ( Resiste 6E5 Pilot L Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Or, Type "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers) (For Range Switch. Used on Nos. 130-H, 130-U,
33 34 35 36 37 38 39 40 41 42 43	26327 26326 26331 26340 26341 26345 26345 26350 26353 26353	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms	26043 26491 26369 26147 26302 26303 26385	Plug (1 Plug (1 Resiste 6E5 Pilot L Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Jamp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers)
33 34 35 36 37 38 39 40 41 42 43	26327 26326 26331 26340 26341 26345 26345 26350 26353 26353 26357	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Obms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1,1 Megohm Resistor, Type "E", 1 Megohm	26043 26491 26369 26147 26302 26303	Plug (1 Plug (1 Resiste 6E5 Pilot L Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Tube) Jamp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-R
33 34 35 36 37 38 39 40 41 42 43 44	26327 26326 26331 26340 26341 26345 26345 26350 26353 26353 26357 26357 26365	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1, 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm	26043 26491 26369 26147 26302 26303 26385 26304	Plug (1 Plug (1 Resiste 6E5 Pilet L Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", 1 Megohm (Used at Socket of No. Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-R eivers
33 34 35 36 37 38 39 40 41 42 43 44 46 47	26327 26326 26331 26340 26341 26345 26355 26353 26353 26357 26365 26365 26365	Resistor, Type "E", 270 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 480 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1,1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 47,000 Ohms	26043 26491 26369 26147 26302 26303 26385	Plug (1 Plug (1 Resiste 6E5 Pilot I Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Or, Type "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-M. Receivers) (For Volume Control. Used only on the No. R. Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M. Receivers) (For Range Switch, Used only on the No. 130-R eivers (For Off-On-Tone Control, Used on Nos. 130-H,
33 34 35 36 37 38 39 40 41 42 43 44 46 47	26327 26326 26331 26340 26341 26345 26345 26350 26353 26357 26357 26365 26365 26365	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm	26043 26491 26369 26147 26302 26303 26385 26304	Plug (1) Plug (1) Resistr 6E5 Pilot I. Knob 130- Knob 130- Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-Recivers (For Off-On-Tone Control. Used on Nos. 130-H, U, 130-L, 130-M Receivers)
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49	26327 26326 26331 26340 26341 26345 26345 26350 26353 26357 26357 26365 26365 26369 26362	Resistor, Type "E", 270 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 27 Megohm	26043 26491 26369 26147 26302 26303 26385 26304	Plug (1) Plug (1) Resiste 6E5 Pilot L Knob 130- Knob 130- Knob 130- Knob 130- Knob 130- Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-Recivers (For Off-On-Tone Control. Used on Nos. 130-H, U, 130-L, 130-M Receivers) (For Off-On-Tone Control. Used only on the
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50	26327 26326 26331 26340 26341 26345 26345 26353 26353 26357 26365 26365 26365 26362 26362	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms	26043 26491 26369 26147 26302 26303 26385 26304 26384	Plug (1) Plug (1) Resiste 6E5 Pilot L Knob 130- Knob 130- Knob 130- Knob 130- Knob 130- Knob Nob Nob Nob Nob Nob Nob Nob Nob Nob N	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) or, Type "E", I Megohm (Used at Socket of No. Tube) Tube Tube) Tube Tube Tube Tube Tube Tube Tube Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50	26327 26326 26331 26340 26341 26345 26345 26353 26353 26357 26357 26365 26365 26365 26362 26328 26330	Resistor, Type "E", 330 Ohms Resistor, Type "E", 870 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "F", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms	26043 26491 26369 26147 26302 26303 26385 26304	Plug (1) Plug (1) Resiste 6E5 Pilet I Knob 130- Knob 130- Knob 130- Knob 130- Knob Nob Nob Nob Nob Nob Nob Nob Nob Nob N	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Tube) Tube) Tube, Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50	26327 26326 26331 26340 26341 26345 26353 26353 26353 26357 26357 26365 26365 26365 26369 26362 26328 26330 25500	Resistor, Type "E", 270 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 29 Ohms Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms Resistor, Type "E", 560 Ohms Resistor, 400 Ohms, 1 Watt	26043 26491 26369 26147 26302 26303 26385 26304 26384 26298	Plug (1) Plug (1) Resiste 6E5 Pilot I Knob 130- Knob 130- Knob 130- Knob Nob Knob Nob Knob the	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Tube) Tube) Tube Tube Tube Tube Tube Tube Tube Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 57	26327 26326 26331 26340 26341 26345 26345 26350 26353 26357 26357 26357 26365 26365 26362 26362 26328 26328 26330 26550 26553	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms Resistor, 400 Ohms, 1 Watt Resistor, Type "E", 47,000 Ohms	26043 26491 26369 26147 26302 26303 26385 26304 26384	Plug (1) Plug (1) Resistr 6E5 Pilot I. Knob 130- Knob 130- Knob 130- Knob Nob Knob Nob Knob Nob Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Tube) Tube) Tube Tube Tube Tube Tube Tube Tube Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 57 60	26327 26326 26331 26340 26345 26345 26350 26353 26357 26357 26357 26365 26365 26362 26362 26328 26330 25500 26353 25998	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms Resistor, 400 Ohms, 1 Watt Resistor, Type "E", 47,000 Ohms Bracket Assembly	26043 26491 26369 26147 26302 26303 26385 26304 26384 26298 26305	Plug (1) Plug (1) Resiste 6E5 Pilot L Knob 130- Knob 130- Knob 130- Knob Nob Nob Knob 130- Knob the Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-L, 130-M Receivers) (For Volume Control. Used only on the No. Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-Recivers (For Off-On-Tone Control. Used on Nos. 130-H, U, 130-L, 130-M Receivers) (For Off-On-Tone Control. Used only on the 130-Receiver) (For Large Pertion of Tuning Shaft. Used on Nos. 130-H, 130-U, 130-L, 130-M Receivers) (For Large Portion of Tuning Shaft. Used only the No. 130-R Receivers)
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 57 60 65	26327 26326 26331 26340 26341 26345 26350 26353 26357 26357 26365 26362 26369 26362 26328 26330 25500 26353 25998	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms Resistor, 400 Ohms, 1 Watt Resistor, Type "E", 47,000 Ohms Bracket Assembly Capacitor, 100 Mmf.	26043 26491 26369 26147 26302 26303 26385 26304 26384 26298	Plug (1) Plug (1) Resiste 6E5 Pilot I Knob 130- Knob 130- Knob 130- Knob Nob Knob Nob Knob the Knob on t Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Tube) Tube) Tube Tube Tube Tube Tube Tube Tube Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 57 60 65 66	26327 26326 26331 26340 26341 26345 26353 26353 26353 26357 26365 26365 26365 26362 26362 26328 26330 25500 26353 25504	Resistor, Type "E", 270 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 480 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 1 Megohm Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 390 Ohms Resistor, Type "E", 47,000 Ohms Resistor, 100 Mmf, Capacitor, 100 Mmf,	26043 26491 26369 26147 26302 26303 26385 26304 26384 26298 26305 26307	Plug (1) Plug (1) Plug (1) Resiste 6E5 Pilot I. Knob 130- Knob 130- Knob 130- Knob Knob 130- Knob the Knob the Knob the Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Tube) Tube) Tube Tube Tube Tube Tube Tube Tube Tube
33 34 35 36 37 38 39 40 41 42 43 44 46 47 48 49 50 51 52 57 60 65	26327 26326 26331 26340 26341 26345 26350 26353 26357 26357 26365 26362 26369 26362 26328 26330 25500 26353 25998	Resistor, Type "E", 330 Ohms Resistor, Type "E", 270 Ohms Resistor, Type "E", 680 Ohms Resistor, Type "E", 3900 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 10,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 27,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47,000 Ohms Resistor, Type "E", 47 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 27 Megohm Resistor, Type "E", 390 Ohms Resistor, Type "E", 560 Ohms Resistor, 400 Ohms, 1 Watt Resistor, Type "E", 47,000 Ohms Bracket Assembly Capacitor, 100 Mmf.	26043 26491 26369 26147 26302 26303 26385 26304 26384 26298 26305	Plug (1) Plug (1) Resistr 6E5 Pilot I. Knob 130- Knob 130- Knob 130- Knob No. Knob the Knob on t Knob	Assembly (For P-26171 Speaker) For Loud Speaker Cable) For Tri-Focal Tuning Unit Cable) For Tri-Focal Tuning Unit Cable) Trype "E", 1 Megohm (Used at Socket of No. Tube) Tube) Amp Socket (For Volume Control. Used on the Nos. 130-H, U, 130-M Receivers) (For Volume Control. Used only on the No. R Receivers) (For Range Switch. Used on Nos. 130-H, 130-U, L, 130-M Receivers) (For Range Switch. Used only on the No. 130-R eivers (For Off-On-Tone Control. Used on Nos. 130-H, U, 130-L, 130-M Receivers) (For Gf-On-Tone Control. Used only on the 130-R Receiver) (For Large Pertion of Tuning Shaft. Used on Nos. 130-H, 130-U, 130-L, 130-M Receivers) (For Large Portion of Tuning Shaft. Used only the No. 130-R Receivers) (For Vernier Portion of Tuning Shaft. Used on

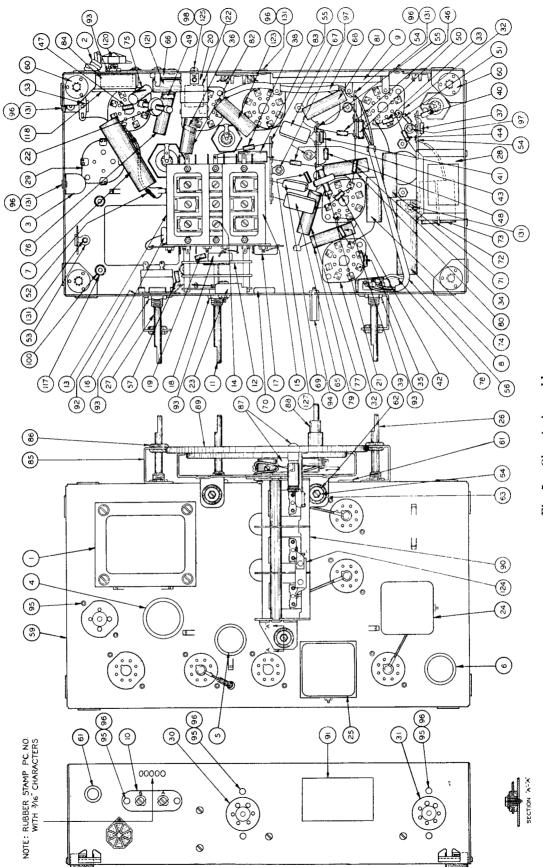


Fig. 5. Chassis Assembly.

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