

Stromberg Carlson Co.

Model: 130R

Chassis:

Year: Pre October 1936

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

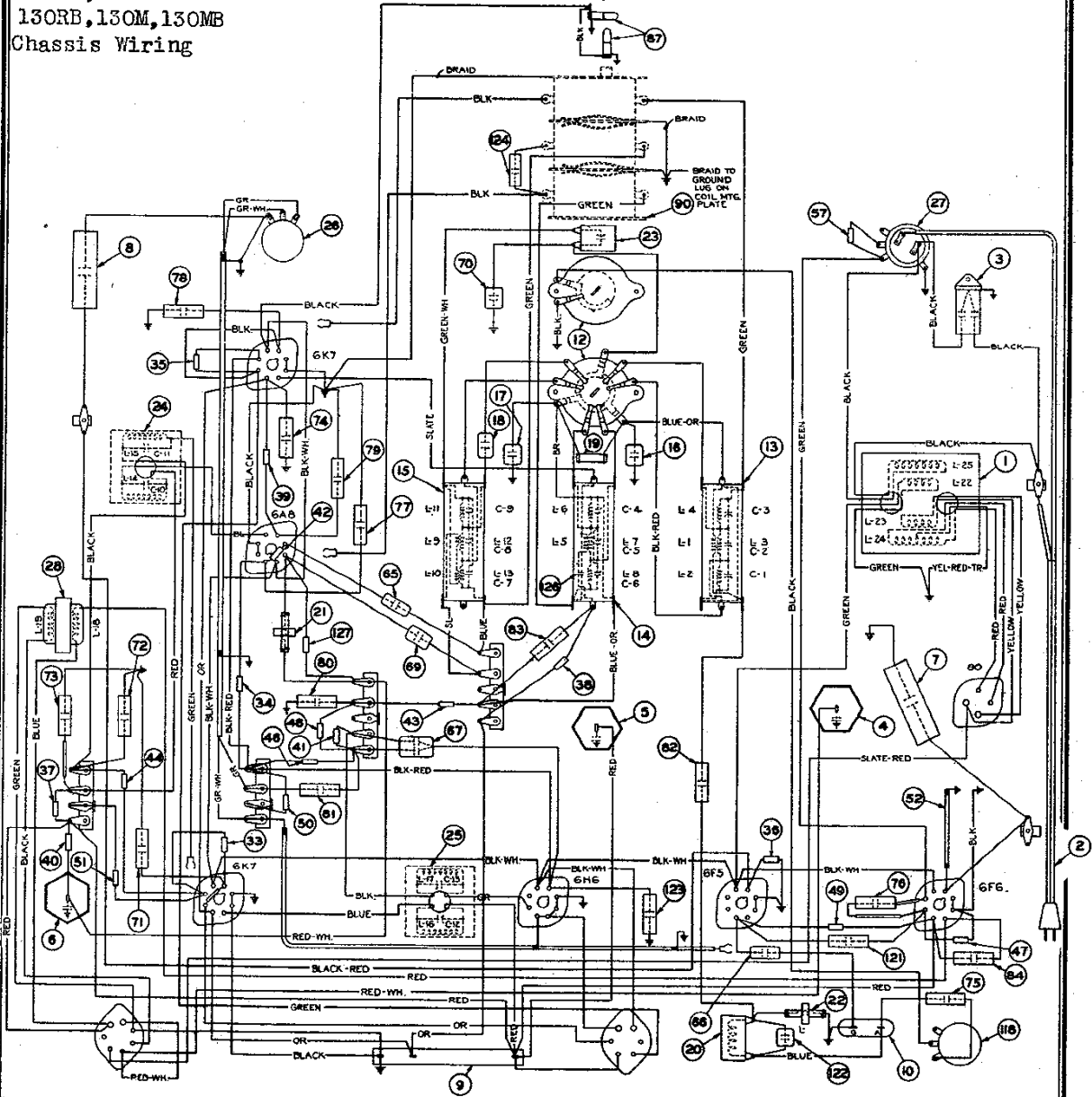
[Riders Volume 7 - STROMBERG 7-20](#)

[Riders Volume 7 - STROMBERG 7-21](#)

[Riders Volume 7 - STROMBERG 7-22](#)

MODELS 130H, 130U, 130L
 130R, 130HB,
 130UB, 130LB
 130RB, 130M, 130MB
 Chassis Wiring

STROMBERG-CARLSON TEL. MFG. CO.



Type of Circuit	Superheterodyne
Tuning Ranges	A—540 to 1500 Kc.; B—1450 to 3500 Kc.; C—5600 to 18,000 Kc.
Number and Types of Tubes:	
Nos. 130-H, 130-U, and 130-L Receivers	2 No. 6K7, 1 No. 6A8, 1 No. 6H6, 1 No. 6F5, 1 No. 6F6, 1 No. 80
Nos. 130-M and 130-R Receivers	2 No. 6K7, 1 No. 6A8, 1 No. 6H6, 1 No. 6F5, 1 No. 6F6, 1 No. 80, 1 No. 6E5
Power Supply Voltage	105 to 125 Volts
Power Supply Frequency	25 to 60 Cycles and 50 to 60 Cycles
Input Power Rating	70 Watts
Frequency of Intermediate Amplifier	465 Kilocycles

APPARATUS SPECIFICATIONS

Nos. 130-H, 130-U, 130-L, 130-R	50 to 60 Cycles	P-26246 Chassis; P-26171 Loud Speaker
Nos. 130-HB, 130-UB, 130-LB, 130-RB	25 to 60 Cycles	P-26247 Chassis; P-26171 Loud Speaker
No. 130-M	50 to 60 Cycles	P-26246 Chassis; P-26170 Loud Speaker
No. 130-MB	25 to 60 Cycles	P-26247 Chassis; P-26170 Loud Speaker

STROMBERG-CARLSON TEL. MFG. CO.

MODELS 130H, 130U
130L, 130R, 130HB,
130UB, 130LB, 130RB
130M, 130MB
Voltage, Alignment

Tube	Circuit	Cap.	Terminals of Sockets								Heater Voltages Between Heater Terminals	
			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	6.3
6A8	Osc.-Mod.	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
Tri-Focal Tuning Indicator Plug's Socket When Tri-Focal Tuning Unit Is Used												
			6.3	0	+7.6	+235	+7.8	0	—	—	1-6	6.3
Tri-Focal Tuning Indicator Plug's Socket When Tri-Focal Tuning Unit Is Not Used												
			6.3	0	+7.6	+237	+7.3	0	—	—	1-6	6.3
Speaker Socket												
			+327	0	0	+327	+327	0	+237	—	—	—

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

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:

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

Radio Frequency Adjustments

The adjustments of the aligning capacitors used in the radio frequency circuits in this receiver should be 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-2).
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 Series Aligner at 0.6 Megacycles (Capacitor (23)).
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-4).
13. Antenna "A" Band Shunt Aligner at 1.4 Megacycles (Capacitor C-1).

MODELS 130H, 130U,
130L, 130R, 130HB
130UB, 130LB, 130RB

STROMBERG-CARLSON TEL. MFG. CO.

130M, 130MB
Circuit Data
Socket, Trimmers, Parts

CIRCUIT DESCRIPTION

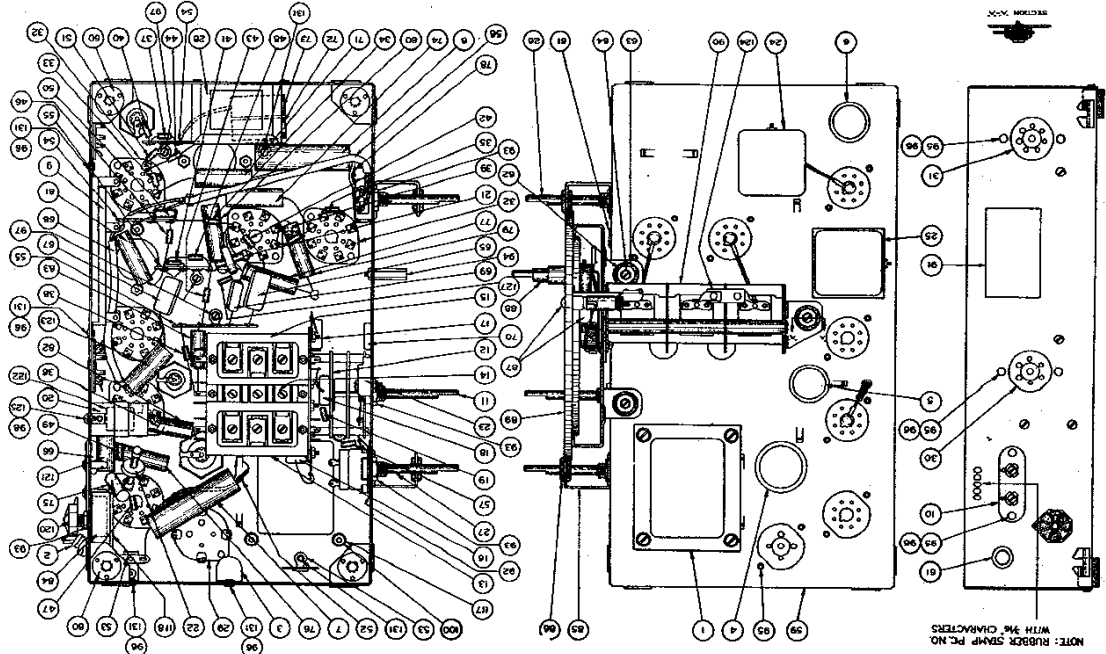
The No. 130 Series of Radio Receivers are divided into two groups; the Nos. 130-U, 130-H, and 130-L are seven tube receivers, and the Nos. 130-R, 130-LB, 130-M, and 130-MB are eight tube receivers and are equipped with the exclusive Stromberg-Carlson Tri-Focal Tuning System. The chassis used in these 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 have its maximum sensitivity on these two ranges. In some localities it will be necessary to tune the receiver on the standard broadcast band with the sensitivity control and this sensitivity control should be tuned accurately to the desired 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. 6B6 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. 6R5 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.

REPLACEMENT PARTS

Table with 4 columns: Part Name, Part Number, Price, and Quantity. Lists various components like Power Transformer, Capacitors, Resistors, and Tubes.

MISCELLANEOUS PARTS

Table with 4 columns: Part Name, Part Number, Price, and Quantity. Lists miscellaneous components like Coils, Knobs, and Switches.



NOTE: RUBBER STAMP P.C. NO. WITH THE DIMENSIONS