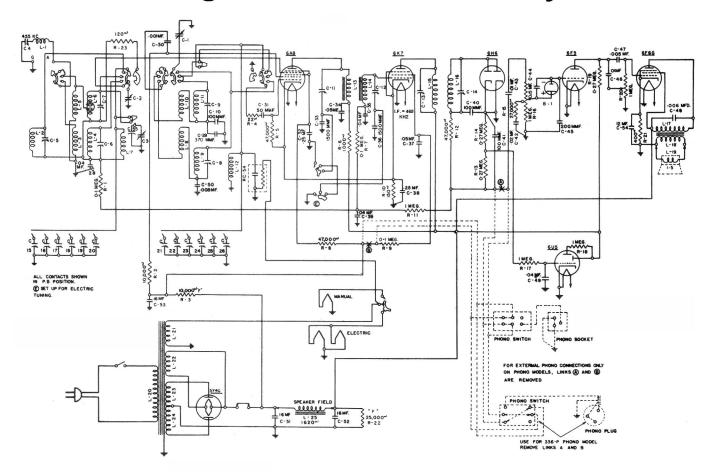
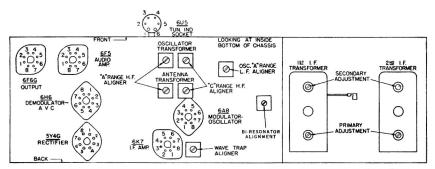
### Stromberg-Carlson Model 337 Schematic, Voltage Chart & Chassis Layout



Stromberg-Carlson Model 337 Voltages

Tube	Circuit	Сар	Terminals of Sockets								Heater Voltages Between Heater	
			1	2	i i		5	6	7	8	Terminals	
					3	4					Socket Terminal Numbers	Volts
6A8	Mod.—Osc.	0	0	0	+235	+80	-15	+230	6.4	+2.8	2-7	6.4
6K7	I. F. Amp.	0	0	0	+200	+70	+2.8	+255	6.4	+2.8	2-7	6.4
6H6	Dem.—A. V. C.	_	0	0	.3	0	.3	0	6.4	0	2-7	6.4
6F5	Audio Amp.	0	0	0		+100	0	.5	6.4	0	2-7	6.4
6F6G	Audio Output	_	0	0	+230	+240	0	250	6.4	+14	2-7	6.4
6U5	Tuning Ind.	_	6.2	+18*	-1.5	+250	0	0	_		1-6	6.4
5YAG	Rectifier		_		340	_	340		350	350	7-8	5.0
Speaker	r Socket	+350	0	0	+350	+350	0	+250				

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



Stromberg-Carlson Chassis Layout, Etc.

Also Trimmer on No. 3 (Rear) section of Gang Condenser

### Stromberg-Carlson Model 337 Alignment Data

The intermediate frequency used in these receivers is 465 kilocycles. s align the circuits in the order given in these instructions. In making these circuit adjustments

- Set the Electric Tuning and Range Switch control knob to the manual tuning standard broadcast posi-tion (arrow on knob pointing in direction of letters "BR"). Set the dial pointer by means of the Station Selector knobs to the extreme low frequency position on the receiver's dial. Rotate the 'Off-Oro' control knob slightly clockwise from its most counter-clockwise position, which is the "normal" position. By aid of a screwdriver rotate the slotted shaft of the Electric Tuning switch located at the rear of the chassis base, so that the slotted shaft of the the slotted shaft of the word "Set-Up" (maximum clockwise rotation). Rotate the Volume control knob to its maximum clockwise position (maximum volume).
- Apply between the chassis base (or ground binding post) of the receiver and the grid of the No. 6A8 modulator-oscillator tube, a modulated signal of 465 kilocycles from the test oscillator, using a 0.1 microfarad capacitor in series with the connection between the output terminal of the test oscillator and the grid of the No. 6A8 tube. Do not remove the chassis grid lead connecting to this tube. The ground (or low side) terminal of the test oscillator should be connected to either the chassis base or the ground binding post terminal.
- Now, noting from Figure 1, the aligning capacitors for the first and second I. F. transformers, align the I.F. circuits in the following manner.

Adjusting the circuits to obtain maximum oscillator as required. reading on the output meter, reducing the output

### Radio Frequency Adjustments

The alignment of the radio frequency circuits in these receivers order specified. should be very carefully made and

## Alignment of Short Wave Range (Also Referred to as "C" Range)

In aligning the radio frequency circuits for this range, replace the 0.1-microfarad capacitor which was placed in series with the test oscillator's output lead for the 1. F. alignments, with a 400-dim carbon type resistor. This lead should then be connected to the antenna binding post located on the rear of the receiver chassis. The ground terminal (or low side) of the test oscillator should be connected to the ground binding post on the receiver.

- Rotate the Electric Tuning and Range Switch control knob to the Short Wave ("C") range position and set the test oscillator's frequency and the receiver's tuning dial to 17 megacycles.
- Adjust the oscillator's "C" range high frequency aligner for maximum output.
  Adjust the antenna's "C" range high frequency aligner for maximum output and Adjust the antenna's "C" range high frequency aligner for maximum output and at the same time rotate the gang tuning capacitor back and forth through resonance until maximum output is obtained.

## Alignment of Standard Broadcast Range (Also Referred to as "A" Range)

- aligning the radio frequency circuits for this range, replace the 400-ohm carbon type resistor in series test oscillator's output lead with a 200-intero-microfarad capacitor and align these circuits as follows: Rotate the Electric Tuning and Range Switch control knob to the manual tuning. Standard Broadcast (BR) range position and set the test oscillator's frequency and the receiver's tuning dial to 1.5 mega-
- Adjust the antenna's "A" range high frequency aligner for maximum output.
- Set the test oscillator's frequency and the receiver's tuning dial to 0.6 megacycles.
- s aligner) for maximum output, forth through resonance until
- Reset both the test oscillator's frequency and receiver's tuning dial to 1.5 megacycles and repeat operations Nos. 2 and 3.

### Align Special Bi-Resonator Stage

- Rotate the Electric Tuning and Range Switch control knob to the Manual Tuning Standard Broadcast (0) range position, and set the test oscillator's frequency and the receiver's tuning dial to 1.5 megacycles
- Adjust the aligner across the Bi-Resonator coil for maximum output.
- Adjust the aligner across the No. 3 gang section (Rear) for maximum output
- Rock the gang tuning capacitor slightly back and forth through resonance while making the above adjustments until maximum output is obtained.
- Under no circumstances must the trimmers on the Oscillator or Antenna coils be touched during this operation.

### Wave Trap Adjustment

In adjusting the wave trap circuit, set the Electric Tuning and Range Switch control knob to the manual tuning, Standard Broadcast position (arrow on knob bophting in direction of letters "BE"). Set the dilal pointer to 1,000 kilocycles and the Electric Tuning Switch, located on the back of the receiver chassis, to the "Set-Up"

IMPORTANT: When all the aligning adjustments have been completed, it is important that the g Switch (located on the rear of the receiver chassis) be reset to the "Operate" position.

### Stromberg-Carlson Model 337 Alignment Data

# INSTRUCTIONS FOR SETTING UP THE ELECTRIC TUNING ARRANGEMENT

- Before proceeding to set up the stations for electric tuning, the radio receiver should be turned "on" for approximately twenty to thirty minutes.
- Set the Range Switch Control Knob to the manual tuning position for the Standard Broadcast (arrow on knob pointing in direction of the letters BR or dot).
- Remove the list of station letters from the P-28781 package assembly which is tacked inside cabinet. Remove the two screws which hold the electric tuning escutcheon plate (metal plate). from the escutcheon, the strip of transparent material and the strip of paper on which
- Remove the five screws which hold the electric tuning escutcheon to the front panel
- From the lists of stations, remove the call letters of the six stations which it is desired to electric tuning. These six stations should preferably be selected and set up in the daytime best service will be obtained at all times. ne so that

CAUTION: Each button adjustment for electric tuning has assigned frequency limits. These limits designated for each adjustment on the cover plate which covers the electric tuning adjusting capaciting (visible when the electric tuning escutcheon is removed from the cabinet). The six stations should selected so that the frequency of each station will be within the asigned frequency limits of its associated.

It will be noted that the station letters are printed on partially cut squares to facilitate ease in removing the desired station letters. In setting up these six favorite stations, the following order should be followed:

Looking at the front of the receiver, the station letters of the station having the highest frequency should be inserted into the farthest left-hand square of the escutcheon. Then, in successive order, according to the frequency, insert the station letters of the remaining five stations into the other five squares of the electric tuning escutchion; the station letters of the station having the lowest frequency being inserted into the farthest right-hand square of the escutcheon.

After the six station call letters have been inserted into the escutcheon, the transparent strip should replaced over the station call letters, and the escutcheon plate then fastened into its position on electric tuning secutcheon by means of the two screws.

The tuning adjustments for the six favorite stations can now be made, starting with the station having the highest frequency and proceeding as follows:

- MPORTANT: By aid of a screwdriver, rotate the slotted shaft of the Electric Tuning Switch, which is located at the rear of the chassis base, so that the slotted shaft points in the direction of the word, "Set-up" (maximum clockwise rotation).
- With the receiver turned "on", and the Range Switch control knob set to the standard broadcast position (arrow on knob pointing in direction of letters BR or dot), tune the receiver in the conventional manner by means of the station selector knobs to that station having the highest frequency (of the six chosen for setting up in the electric tuning arrangement) and carefully note the program which it is broadcasting. Then, rotate the Range Switch control knob to the electric tuning position (arrow on knob pointing in direction of the small star).
- With the electric tuning escutcheon still removed from the cabinet, push in the push button rod for the station having the highest frequency which is within the assigned frequency limits for this button). New, looking in on the electric tuning unit, rotate by means of a small screwdriver, the screw of the oscillator (OSC.) tuning adjustment which is designated 1500 to 1030 kilocycles to the position where the desired station is received.

In order to check whether the program being received is from the desired station, simply rotate the Range Switch control knob to the manual tuning position deraw on knob pointing in direction of letters and with the receiver tuned in manually to the desired station a quick check can be made; then, rotate the Range Switch control knob back to the electric tuning position. Exact resonance with the desired station should be obtained by observing the tuning indicator.

IMPORTANT: Always use the tuning indicator unit when setting up stations for electric tuning order to determine when resonance with the desired station is obtained.

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When the oscillator tuning adjustment has been properly made as mentioned in paragraph 9 above, the screw of the antenna (ANYI) tuning adjustment designated 1560 to 1030 kilocycles should be rotated to the position where exact resonance with the desired station is again obtained by observing the tuning indicator.

When these adjustments have been properly made, the station having the highest frequency is correctly set up for electric tuning selection.

- Now proceed to set up the remaining five stations in the same manner as mentioned in Paragraphs 7, 8, 9 and 10 above, proceeding according to the frequency of the remaining stations.
- IMPORTANT: When all of the adjustments have properly been made for the six desired stations, the slotted shaft of the Electric Tuning Switch located on the rear of the chassis base, should be rotated so that the slotted shaft points in the direction of the word, "Operate" (maximum counter-clockwise rotation).