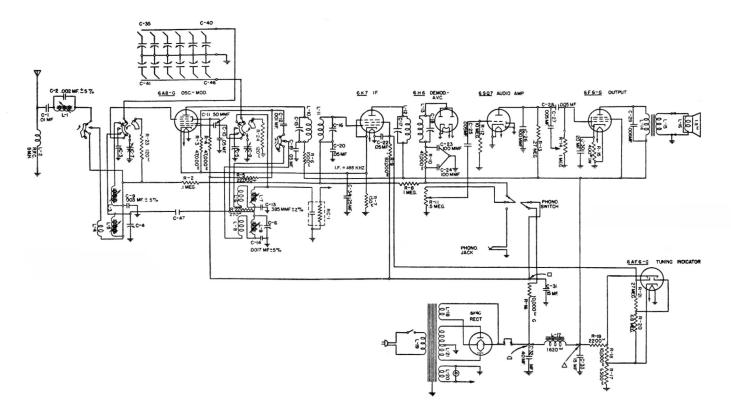
Stromberg-Carlson Model 972 Push Button Setting & Schematic



INSTRUCTIONS FOR SETTING UP PUSH BUTTONS

IMPORTANT: The stations selected should be the local or favorite stations which give good reception at all times.

Set up stations in the daytime to avoid unnecessary interference.

Allow the set to run for about twenty minutes before setting up stations.

Always use the tuning indicator unit when setting up stations in order to determine when the station is exactly in tune.

- 1. Remove the dial escutcheon by removing the screws and pulling downward and
- 2. Put the call letters of the selected stations in place above the push buttons. The stations should be arranged according to frequency with the highest frequency at the right and the lowest frequency at the left, just as on the dial. (The call letters will be found inside the envelope stapled inside or underneath the cabinet.)
- 3. Tune in manually the highest frequency station to be set up and note carefully the program being transmitted.
- 4. Turn the range switch to the push button position and push the highest frequency button, then adjust the large screw over this button until the desired program is heard. (If the proper adjusting screw cannot be reached it will be necessary to turn the station selector control until the screw is accessible through one of the holes in the pulley.
- 5. After the large screw is carefully adjusted, adjust the small vernier screw for maximum closing of the tuning indicator. (Be sure the large adjusting screw does not move while turning the vernier screw.)
- 6. Set up the other five stations in the same manner.
- 7. Recheck the adjustment of each adjusting screw.

Stromberg-Carlson Model 972 Alignment Data & Chassis Layout

Models 972, 952, 952-P, 992

NEVER ALIGN UNLESS ABSOLUTELY NECESSARY

Use a good modulated signal generator (test oscillator) with variable output voltage and a sensitive output meter across the voice coil of the speaker. Always align using the smallest possible input from the signal generator (except when wave trap

adjustment is made). A strong signal makes adjustments inaccurate.

See location chart above for location of all the aligning adjustment screws

Aligning Procedure (follow this order exactly) Dial pointer adjustment.

- With the plates of the gang tuning capacitor fully engaged, set the dial pointer directly on the vertical line located at the extreme low frequency end of the short wave band. the vertical line located at the extreme low
- Intermediate frequency adjustments
- Set the range switch to Standard Broadcast position
- Connect the ground terminal of the signal generator to the Tune set to extreme low frequency end of the dial

ground terminal of

- Introduce a modulated signal of 455 Kilocycles to the grid cap of the 6A8G Tube, using a 0.1 microfarad capacitor in series with the output lead of the signal generator. (Do not remove the grid clip from this tube.)
- Adjust the I. F. Aligners for maximum output in the following order Secondary of second I. F. transformer.
- Secondary of first I. F. transformer
- Primary of first I. F. transformer
- III. Radio frequency adjustments.

Short Wave Range (C Band)

- Replace the 0.1 microfarad cap erator with a 400 ohm carbon
- Set the range switch to the short-wave range position (C Band).
- Set the signal generator frequency and the receiver tuning dial to 6 megacycles
- Adjust the 6 megacycles oscillator and antenna (iron cores) for maximum signal

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- Set the signal generator frequency and the receiver tuning dial to 17 megacycles. the 17
- Repeat operations three and four
- Repeat operations five and six

Standard Broadcast Range (A Band)

- Replace the 400 ohm carbon type resistor in series with the output lead from the signal generator with a 200 micro-microfarad capacitor.
- Set the range switch to the Standard Broadcast Range (A Band)
- Set the signal generator frequency and the receiver tuning dial to 600
- the 600 Kc. oscillator and antenna (iron cores) for maximum signal
- signal generator frequency and the receiver tuning dial to 1500 Kc.
- Adjust the 1500 Kc. oscillator and antenna aligning capacitors for maximum signal.

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IV. Wave Trap Adjustment.

(Leave the receiver connected in the same manner as when adjusting the Standard Broadcast Range ("A" Band)).

- Set the signal generator frequency to $455~\mathrm{Kc}$, and introduce a fairly strong modulated signal to the receiver. Tune set to 1000 Kc

- Adjust the wave trap aligner for minimum signal

