

STROMBERG-CARLSON

RADIO RECEIVER NO. 1110

SERIES NO. 10

ALIGNING

Never realign unless absolutely necessary.

Use a good signal generator modulated at 400 or 1,000 cycles, with variable output voltage and a sensitive output meter across the voice coil of the speaker.

Always align using the lowest possible input from the signal generator. A strong signal makes adjustments approximate.

Always have the volume control "full on."

Aligning Procedure (follow this order exactly)**Intermediate Frequency Adjustments.**

1. Set range switch to Standard Broadcast Position.
2. Tune set to extreme high frequency end of dial.
3. Connect the ground terminal of the signal generator to the ground terminal of the chassis.
4. Introduce a modulated signal of 455 KC. to the grid of the 6SA7 Converter tube (middle section of gang condenser) using a 0.1 mfd. capacitor in series with the output lead of the signal generator.
5. Adjust the I.F. aligners for maximum output in the following order:
 - a. Secondary of second I.F. transformer.
 - b. Primary of second I.F. transformer.
 - c. Secondary of first I.F. transformer.
 - d. Primary of first I.F. transformer.

Dial Pointer Adjustment

With plates of the gang tuning capacitor fully engaged make certain that the dial pointer is in a horizontal position directly on the calibration marks located at the low frequency end of dial scale. Adjust the dial pointer if necessary.

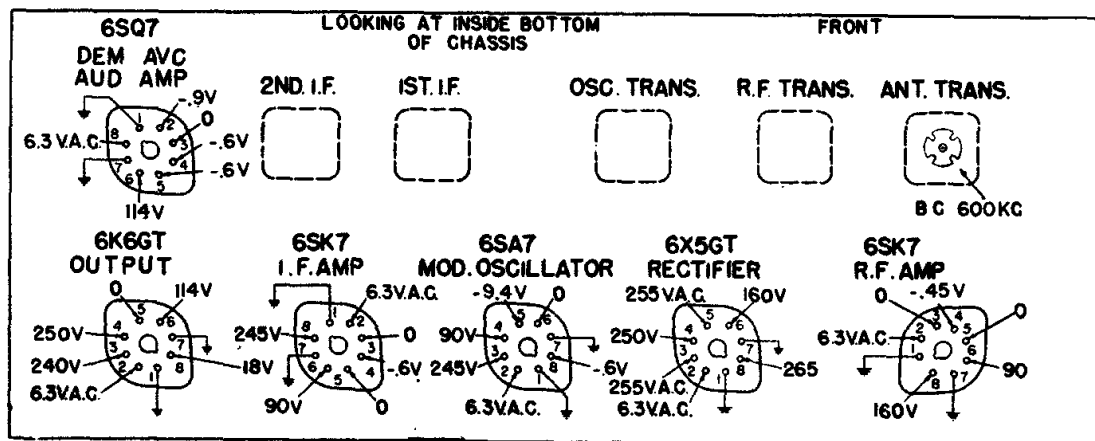
Radio Frequency Adjustments**Standard Broadcast Range.**

Antenna must remain connected for R.F. adjustments.

1. With the signal generator output lead connected to the Antenna and Ground terminal of the receiver, tune the signal generator frequency and receiver tuning dial to 1400 KC.
2. Adjust the oscillator, R.F. and antenna trimmers of the gang condenser for maximum signal.
3. Set the signal generator frequency and receiver tuning dial to 600 KC.
4. Adjust the 600 KC. padding condenser in oscillator coil shield for maximum signal.
5. Adjust the iron core in antenna transformer for maximum output. (Underside of chassis)
6. Repeat the above procedure until no further change is required.

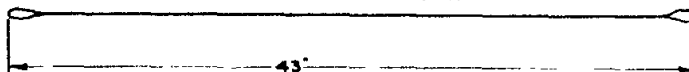
Radio Frequency Adjustments**Short Wave Range**

1. Set the range switch to Short Wave position.
2. Set the signal generator frequency and receiver tuning dial to 14 MC.
3. Connect the output of the signal generator to the antenna terminal on the chassis.
4. Adjust the oscillator, R.F. and antenna trimmers for maximum output.
5. Repeat the above procedure until no further change is required.

**SPECIFICATIONS**

Voltage Rating.....105-125 Volts
 Type of Circuit.....Superheterodyne
 Tuning Range...S.W. 8.7—15.5 MC. Broadcast 540 KC.—1600 KC.
 Intermediate Frequency.....455 KC.
 Speaker Voice Coil Impedance.....at 400 Cycles 3.5 Ohms
 Power Output.....2 Watts

DIAL CORD LENGTH

**DIAL CORDING DIAGRAM**