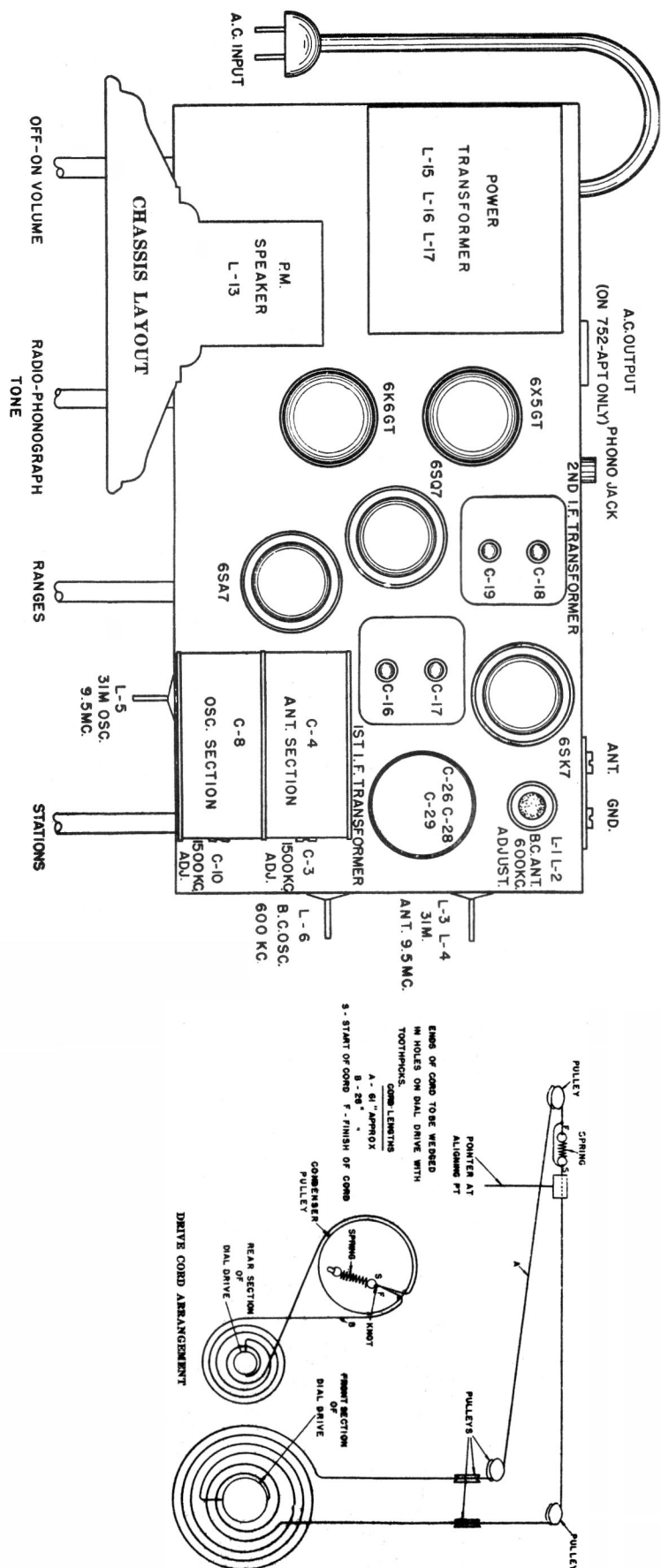
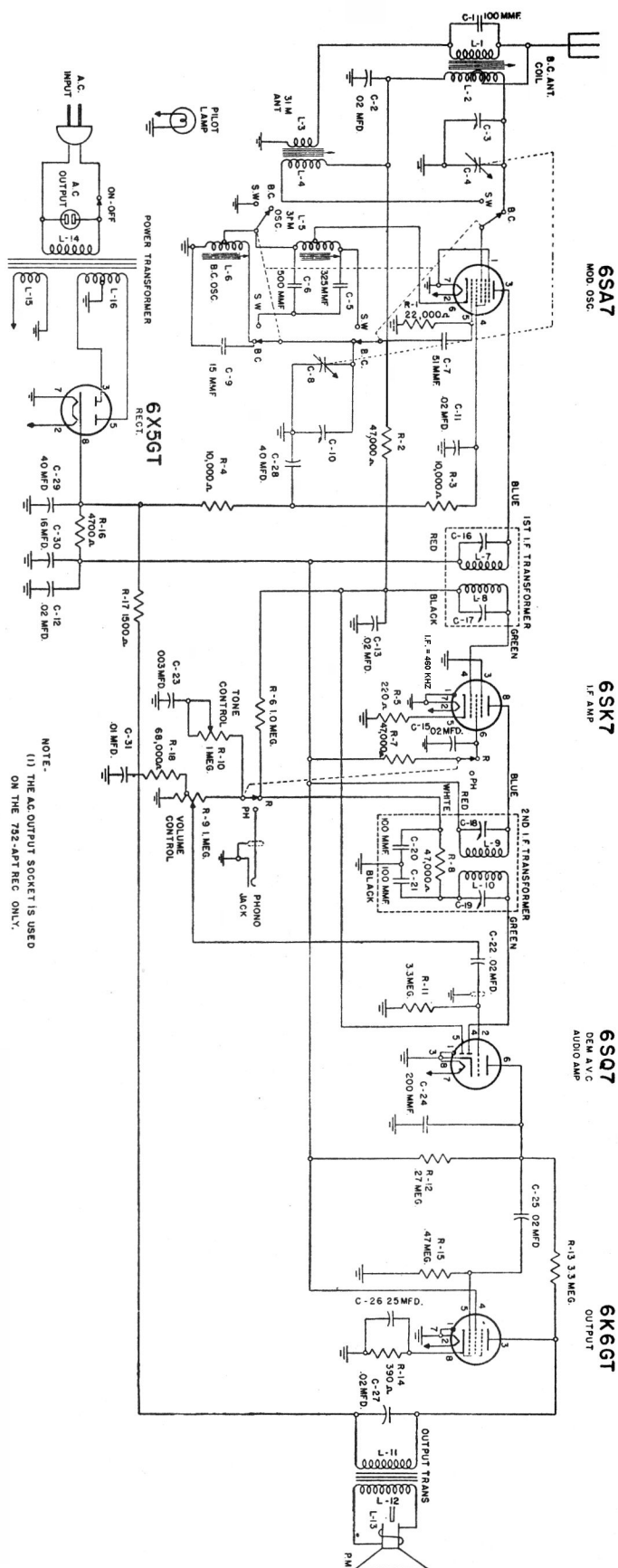


Stromberg-Carlson Model 752 Schematic

Chassis Layout & Dial Cord Drive



Stromberg-Carlson Model 752 Alignment Data, Etc.

ALIGNING INFORMATION

Never re-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, as a strong signal makes adjustments inaccurate. Always turn the receiver volume control "full on".

Aligning Procedure (Follow this order exactly):

1. Dial Pointer Adjustment.

With the plates of the gang condenser fully engaged, check to be sure that the dial pointer is in a vertical position directly on the calibration mark located at the low frequency end of the dial scale. It appears as a small gold dot just below the center gold line and the word "Short Wave". Adjust if necessary.

2. Intermediate Frequency Adjustments.

- 2.1 Set the range switch to "BC" broadcast position.
- 2.2 Set the pointer to the extreme low frequency end of the dial.
- 2.3 Connect the ground terminal of the signal generator to the chassis ground terminal.
- 2.4 Introduce a modulated 460 kilocycle signal to the grid of the 6SA7 modulator tube (No. 8 terminal or C₅) using a .1 mfd. capacitor in series with the output lead of the signal generator.
- 2.5 Adjust the I.F. 460 kc trimmers for maximum output in the following order:
 - A. Secondary of 2nd I.F. transformer C19
 - B. Primary of 2nd I.F. transformer C18
 - C. Secondary of 1st I.F. transformer C17
 - D. Primary of 1st I.F. transformer C16

3. Radio Frequency Adjustments

Broadcast Range

- 3.1 Set the range switch to Broadcast "BC".
- 3.2 Set the signal generator frequency and the receiver tuning dial to 1500 Kc.
- 3.3 Connect a 200 mmfd. capacitor in series with the antenna lead from the signal generator to the "Ant." terminal on the set, replacing the .1 mfd. capacitor.
- 3.4 Adjust the "BC" band oscillator trimmer C10 for maximum signal and correct calibration.
- 3.5 Adjust antenna trimmer C₃ for maximum output. "Rock" the gang to obtain maximum peak.
- 3.6 Adjust L6 "BC Oscillator 600 kc adjust" for correct calibration and L1, L2 "BC Ant. 600 kc adjust" for maximum sensitivity.
- 3.7 Repeat 3.4, 3.5, 3.6 until no further improvement of calibration or sensitivity is obtained.

4. 31 Meter Spreadband Range.

- 4.1 Set the range switch to Shortwave "SW".
- 4.2 Set the Signal Generator frequency and the receiver tuning dial to 9.500 megacycles.
- 4.3 Connect a 400 ohm carbon resistor in series with the antenna lead from the Signal Generator to the "Ant." terminal on the set, replacing the 200 mmfd. capacitor.
- 4.4 Adjust the "31 M Osc. 9.5 mc" adjusting screw L5 for maximum signal and correct calibration.
- 4.5 Adjust the "31 M Ant. 9.5 mc." adjusting screw L3L4 for maximum output "Rock" the gang to obtain maximum peak.
- 4.6 Check sensitivity at 9.250 mcs. and 9.750 mcs.

Take all readings with the chassis operating and tuned to 1000 Kc—no signal. Use a line voltage of 117 volts or make allowance for any variations.

Use a good high resistance voltmeter having a resistance of at least 1000 ohms per volt. Read from the indicated terminals to the chassis base. See the location chart for position of sockets. AC voltages are indicated by italics.

NORMAL VOLTAGE READINGS

Tube	Circuit	Socket Terminals							
		1	2	3	4	5	6	7	8
6SA7	Mod.-Osc.....			225	125	-6.5		<i>6.4</i>	<i>-.25</i>
6SK7	I.F. Amp.....				-.25	3	100	<i>6.4</i>	225
6SQ7	Demod. AVC, 1st Audio.....		-.25		-.25	-.25	82	<i>6.4</i>	
6K6GT	Output.....			260	225		-.25	<i>6.4</i>	13
6X5GT	Rectifier.....			280	225	280	260	<i>6.4</i>	320