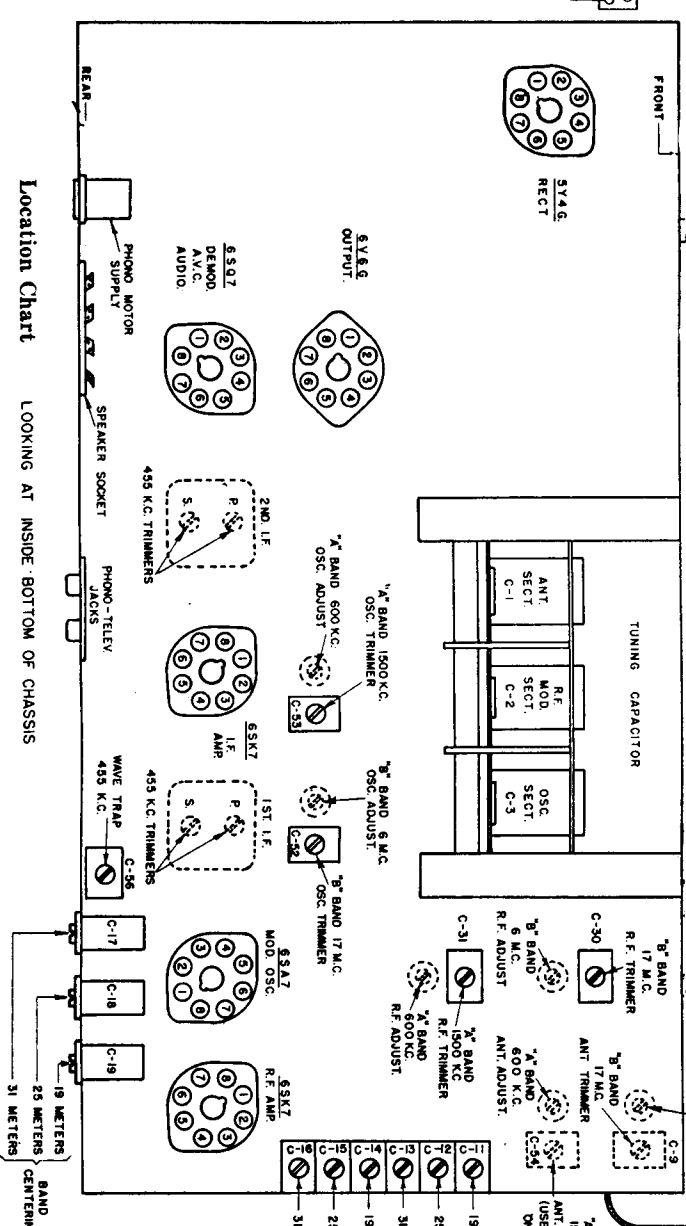
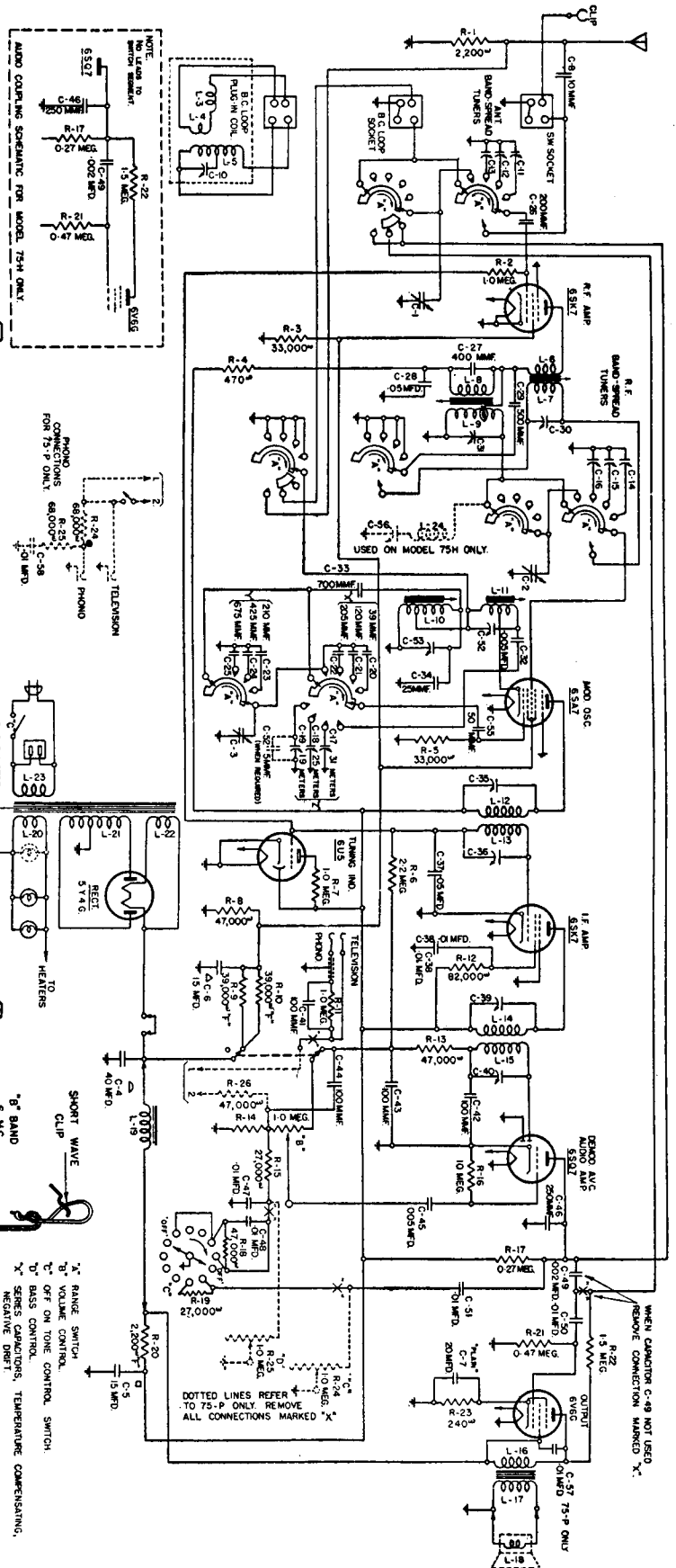


Location Chart
LOOKING AT INSIDE BOTTOM OF CHASSIS



1940-41
1F. 455 KC.
Alignment, Pushbutton Tuning and Voltage Data on Sheet 61

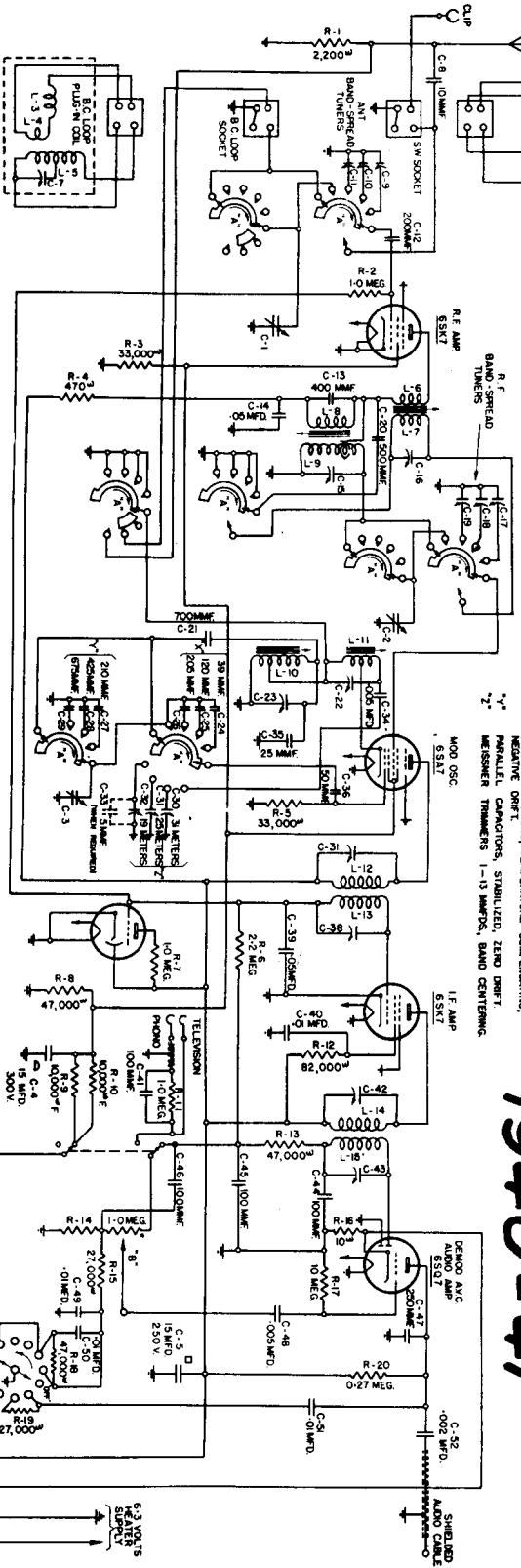
STROMBERG-CARLSON



- * RANGE SWITCH
- † VOLUME CONTROL
- ‡ OFF ON TONE CONTROL SWITCH
- § SERIES CAPACITORS, TEMPERATURE COMPENSATING, NEGATIVE DRIET
- ¶ PARALLEL CAPACITORS, STABILIZED ZERO DRIET
- ⋄ MESSAGE TRIMMERS 1-10 MUF - BAND CENTERING

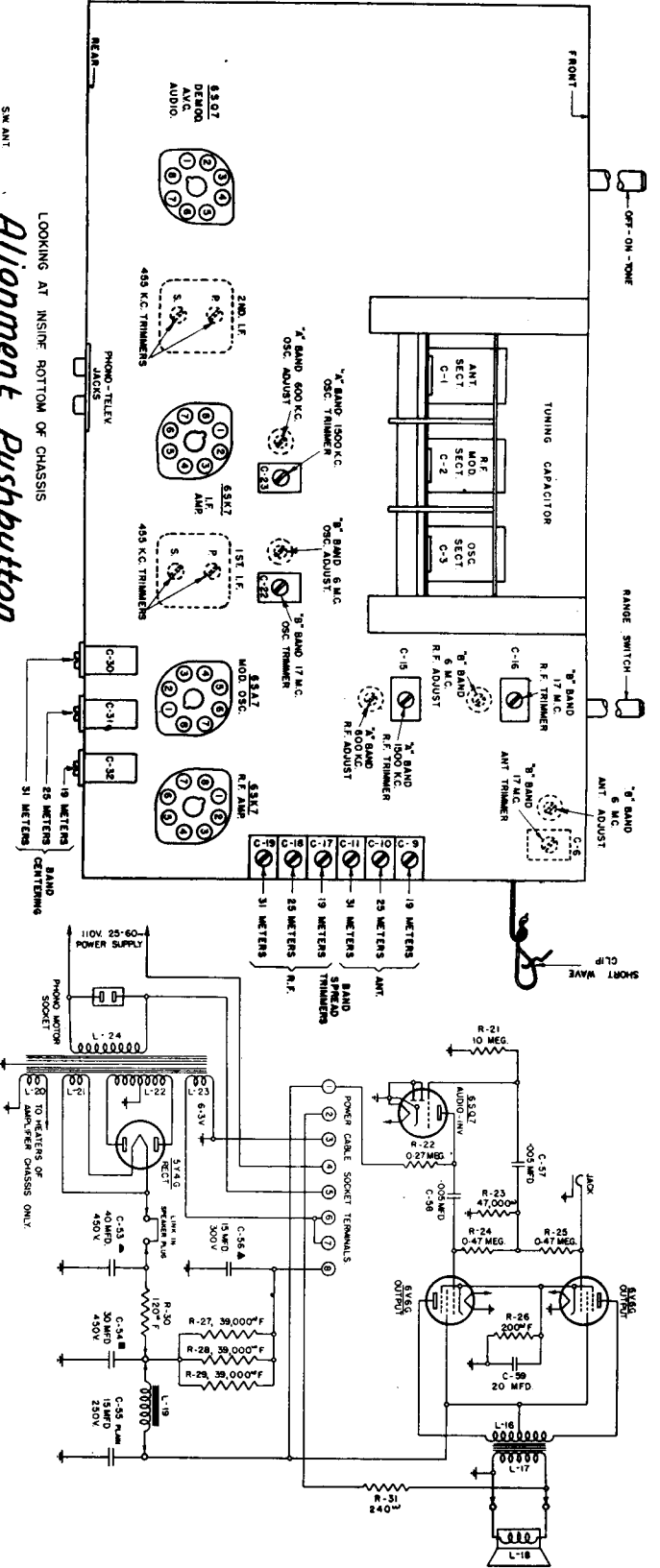
DATA SHEET 59

MODEL 95



LOOKING AT INSIDE BOTTOM OF CHASSIS
 Alignment, Pushbutton
 and Voltage Reading
 Data on Sheet 61

IF 455K Schematic Diagram (95 Power Amplifier)
 1940-41



LOOKING AT INSIDE BOTTOM OF CHASSIS
 Alignment, Pushbutton
 and Voltage Reading
 Data on Sheet 61

IF 455K Schematic Diagram (95 Power Amplifier)
 1940-41

NORMAL VOLTAGE READINGS

Take all readings with chassis operating and tune manually to 1000 kc.—No signal. Use a line voltage of 120 volts or make allowance for the variations. Use a good high resistance voltmeter having a resistance of at least 1000 ohms per volt.

Take all D.C. readings on the 500 volt scale except when an asterisk appears. Read from indicated terminals to chassis base. See location chart for position of terminals. A.C. voltages are indicated by italics.

MODEL 75 —VOLTAGES—

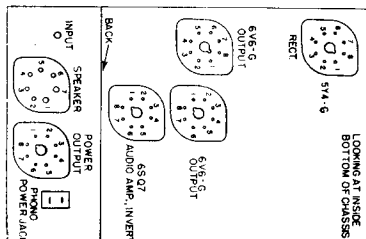
Tube	Circuit	TERMINALS OF SOCKETS							
		1	2	3	4	5	6	7	8
6SK7	R. F. Amplifier	0	0	0	0	+80	6.3	+200	
6SK7	Modulator and Oscillator	0	0	+210	+80	0	0	6.3	0
6SK7	I. F. Amplifier	0	0	0	0	+65	6.3	+205	
6SQ7	Demodulator, A. V. C., Audio	0	0	0	0	+95	6.3	+12*	
6V6G	Output	0	0	+280	+260	0	0	6.3	+12*
6U5	Tuning Indicator	6.3	+65	0	+210	0	0	—	—
6Y4G	Rectifier	0	0	+350	0	+350	0	+340	+340

*Read on lowest possible scale of voltmeter

MODEL 95 —VOLTAGES— POWER AMPLIFIER CHASSIS

Tube	Circuit	TERMINALS OF SOCKETS							
		1	2	3	4	5	6	7	8
6SK7	R. F. Amplifier	0	0	0	0	+90	6.3	+340	
6SA7	Modulator and Oscillator	0	0	+245	+90	0	0	6.3	0
6SK7	I. F. Amplifier	0	0	0	0	+80	6.3	+345	
6SQ7	Dem., A. V. C., 1st Audio	0	0	0	0	+95	6.3	0	
6U5	Tuning Indicator	6.3	+90	0	+250	0	0	—	—
6SQ7	Amplifier Chassis	1	2	3	4	5	6	7	8
6V6G	Inverter	0	0	0	0	0	+35	6.3	0
6V6G	Output	0	0	+235	+245	0	0	6.3	+13.5*
6V6G	Output	0	0	+235	+245	0	0	6.3	+13.5*
6Y4G	Rectifier	0	0	365	0	365	0	+385	+385

*Read on lowest possible scale of voltmeter



ALIGNMENT & DUSHBUTTON DATA, MODELS 75 & 95

TRIMMER NUMBERS IN BRACKETS ARE FOR MODEL 95 ONLY.

THOSE NOT IN BRACKETS ARE FOR MODEL 75 ONLY.

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. A strong signal makes adjustments inaccurate.

Always have the volume control "full on".

Adjust the band-centering aligning capacitor **c77(94)** for maximum signal.

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.

- I. Dial pointer adjustment.**
- With the plates of the gang tuning capacitor fully engaged, check to be sure that the dial pointer is in a vertical position directly on the calibration marks located at the low frequency end of the dial scale. Adjust if necessary.

- II. Intermediate frequency adjustments.**
- Set range switch to Standard Broadcast position.
 - Turn set to extreme low frequency end of dial.
 - Connect the ground terminal of the signal generator to the ground terminal of the chassis.
 - Introduce a modulated signal of 455 kilocycles to the grid of the 6SA7 Modulator and Oscillator tube (terminal No. 8) using a 0.1 micro-farad capacitor in series with the out-put lead of the signal generator.

- Adjust the I. F. aligners for maximum output in the following order:
 - Secondary of second I. F. Transformer.
 - Primary of second I. F. Transformer.
 - Secondary of first I. F. Transformer.
 - Primary of first I. F. Transformer.

- Loosen the set screw of the lever to set up.
- Push in the lever and manually tune in the desired station, observing the tuning indicator in order to obtain exact resonance.
- Loosen the set screw of the lever and observe that the lever is pushed up accurately set-up, be sure that the lever is in the same amount of pressure as will be used when operating the push buttons.
- Tighten the set screw. Be sure not to disturb the adjustment in any way while tightening the screw.
- Place the proper button on the lever.
- Check the accuracy of the adjustment by detuning the station and retuning with the button. Repeat if necessary.
- Set up the other five stations in the same manner.

III. Radio frequency adjustments.

Standard Broadcast Range (A Band).

- Connect a 200 mmfd. capacitor in series with the antenna lead from the signal generator and the antenna binding post.
- Set the range switch to "BR" position.
- Set the signal generator frequency and the receiver tuning dial to 600 kilocycles.
- Adjust the 600 kc. oscillator iron core for maximum signal.
- Adjust the 600 kc. R. F. and antenna iron cores for maximum signal.

Band Spread Ranges.

- Before aligning the Band Spread ranges make certain that the short wave range is correctly aligned then do not make any changes on these aligners. Otherwise the whole procedure will have to be repeated.
- Set the range switch to the "3" meter" position.
- Set the signal generator frequency and the receiver tuning dial to 515 megacycles.

IV. Wave Trap Adjustment (75-H only).

- Tune the receiver to 1000 kc.
- Set the signal generator frequency to 455 kc. and introduce a fairly strong modulated signal to the receiver.
- Adjust the wave trap aligning capacitor (C-66) for minimum signal.

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.

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.

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