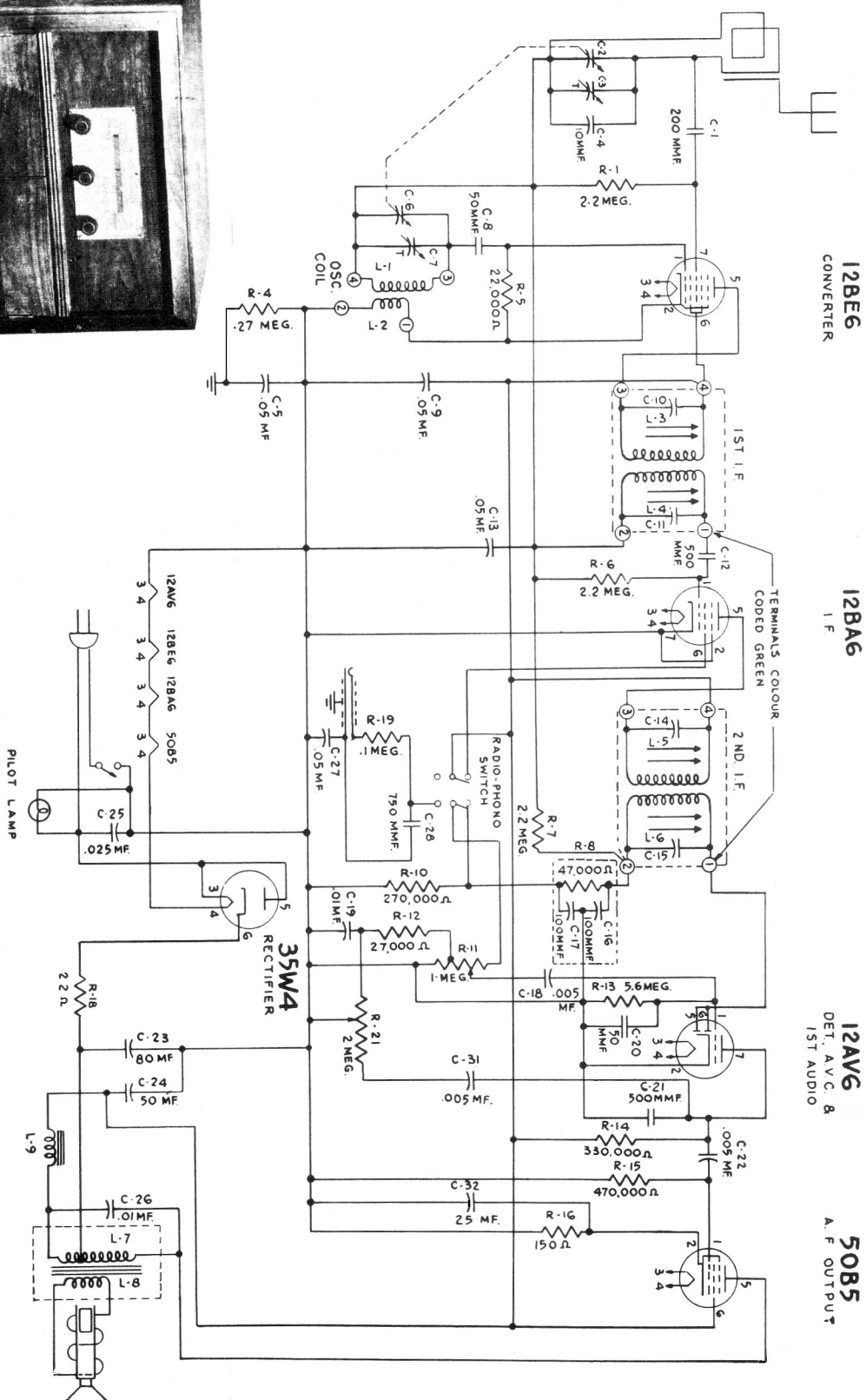
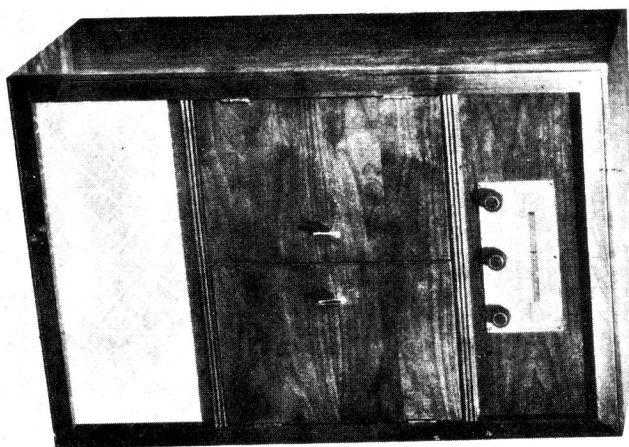


Stromberg-Carlson Model 2151 Receiver Schematic



SPECIFICATIONS

Voltage Rating 105-125 Volts A.C.
 Type of Circuit Superheterodyne
 Tuning Range 540 kc.-1640 kc.
 Number and Type of Tubes—5

1—12BE6 Converter
 1—12BA6 I.F. Amplifier
 1—12AV6 Det., AVC, 1st Audio Amplifier
 1—50B5 Power Output
 1—35W4 Rectifier

IDENTIFICATION TABLE

Input Power Rating 36 watts at 117 line volts
 Intermediate Frequency 455 kc.
 Speaker Voice Coil Impedance (P.M.) 6-8 ohms, 400 cycles
 Power Output Maximum 2.5 watts, 10% distortion 1.2 watts

Model	Chassis	Cabinet	Speaker	Phono Equip.
2151W	02962	02960	48995	148975—25 cycle or 148976—60 cycle

Stromberg-Carlson Model 2151 Receiver

Alignment & Dial Cord Stringing

Band and Pointer Setting	Generator Setting	Input and Dummy	Meter Connections	Trimmer Adjustments and Notes
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I.F. ALIGNMENT

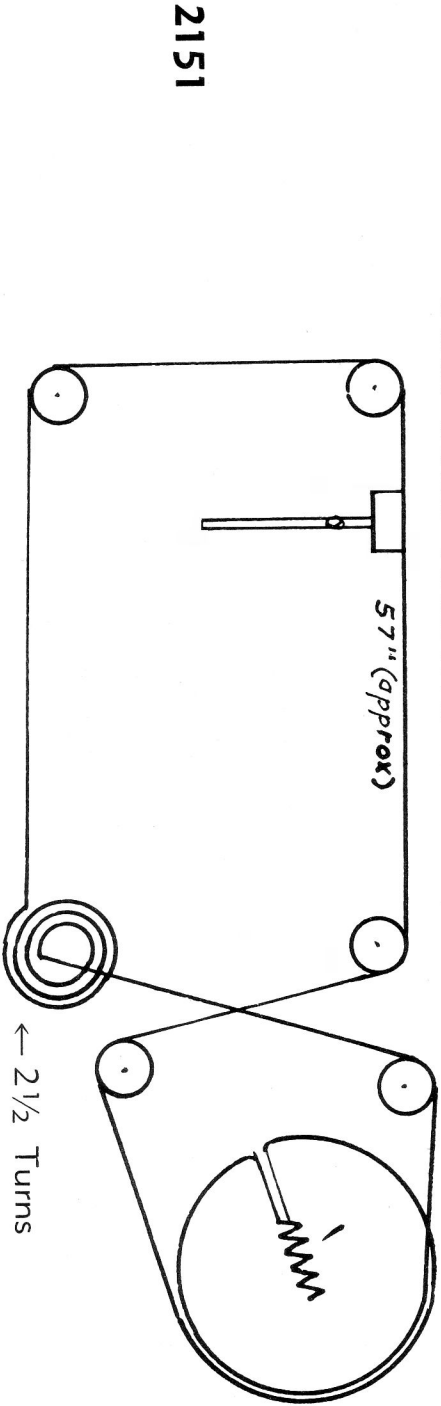
Lower end of band.	455 kc.	Signal generator ground lead to B minus (common bus) through .2 mfd. capacitor. "Hot" lead through .1 mfd. capacitor to No. 1 pin 12BA6 I.F. socket.	Output meter across voice coil	Adjust the iron cores (top and bottom) of the 2nd I.F. transformer for maximum output with minimum signal input. Signal should be approx. 2500 uvs.
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Lower end of band.	455 kc.	Leave signal generator ground to B minus. Connect "hot" lead through .1 mfd. capacitor to No. 7 pin 12BE6 socket.	Output meter across voice coil.	Adjust the iron cores (top and bottom) of the 1st I.F. transformer for maximum output, with minimum signal input. Signal should be approx. 50 uvs. Return to 2nd I.F. transformer and adjust the bottom core to attain maximum overall sensitivity of 50 uvs. or better and correct tracking.
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R.F. ALIGNMENT

With gang capacitor fully meshed, adjust pointer to coincide with the calibration mark located at the top left-hand edge of the dial frame.				
Extreme high frequency end of the scale.	1650 Kc.	Hazeltine loop or equivalent.	Output meter across voice coil.	Adjust the oscillator trimmer capacitor so that it is just possible to tune through the 1650 Kc. signal without going off scale.
1400 kc.	1400 kc.	Hazeltine loop or equivalent.	Output meter across voice coil.	Adjust the antenna trimmer capacitor for correct tracking and maximum sensitivity. It will be necessary to "rock" the gang while this adjustment is being made. Re-check sensitivity at 1600 kc. and 600 kc.

DIAL CORD ARRANGEMENT VIEWED FROM FRONT



WITH THE GANG CONDENSER PLATES FULLY MESHED SET THE POINTER TO THE CALIBRATION POINT AT THE TOP LEFT HAND END OF THE DIAL FRAME

Stromberg-Carlson Model 2151 Receiver

Voltage Chart & Chassis Layout

VOLTAGE CHART

SOCKET	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
12BE6	Converter	-8.	0	(12)	(22)	105	105	-5	—
12BA6	I.F. Amplifier	-8	0	(22)	(34)	105	105	0	—
12AV6	Demod., AVC, 1st Audio	-9	0	0	(12)	-5	-5	55.	—
50B5	Power Output	0	7.	(34)	(86)	108	105	0	—
35W4	Rectifier	0	115	(86)	(117)	(117)	0	115	—

Line volts 117. Frequency 25 cycles
Taken with a Sylvania Polymeter
Figures in brackets are AC readings
Negative meter lead to B— (common bus)

TUBE LAYOUT AND TRIMMER LOCATION

