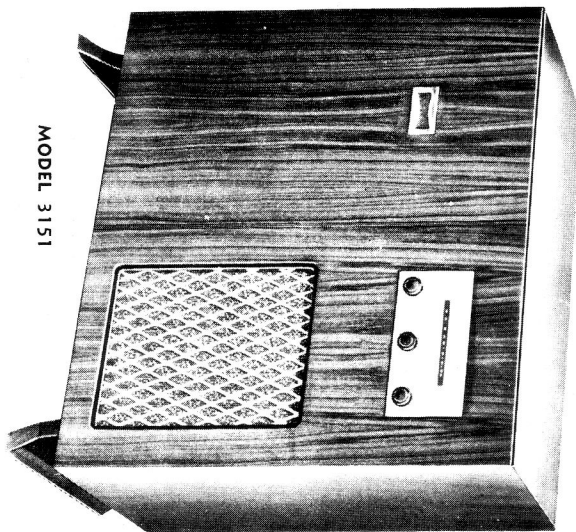
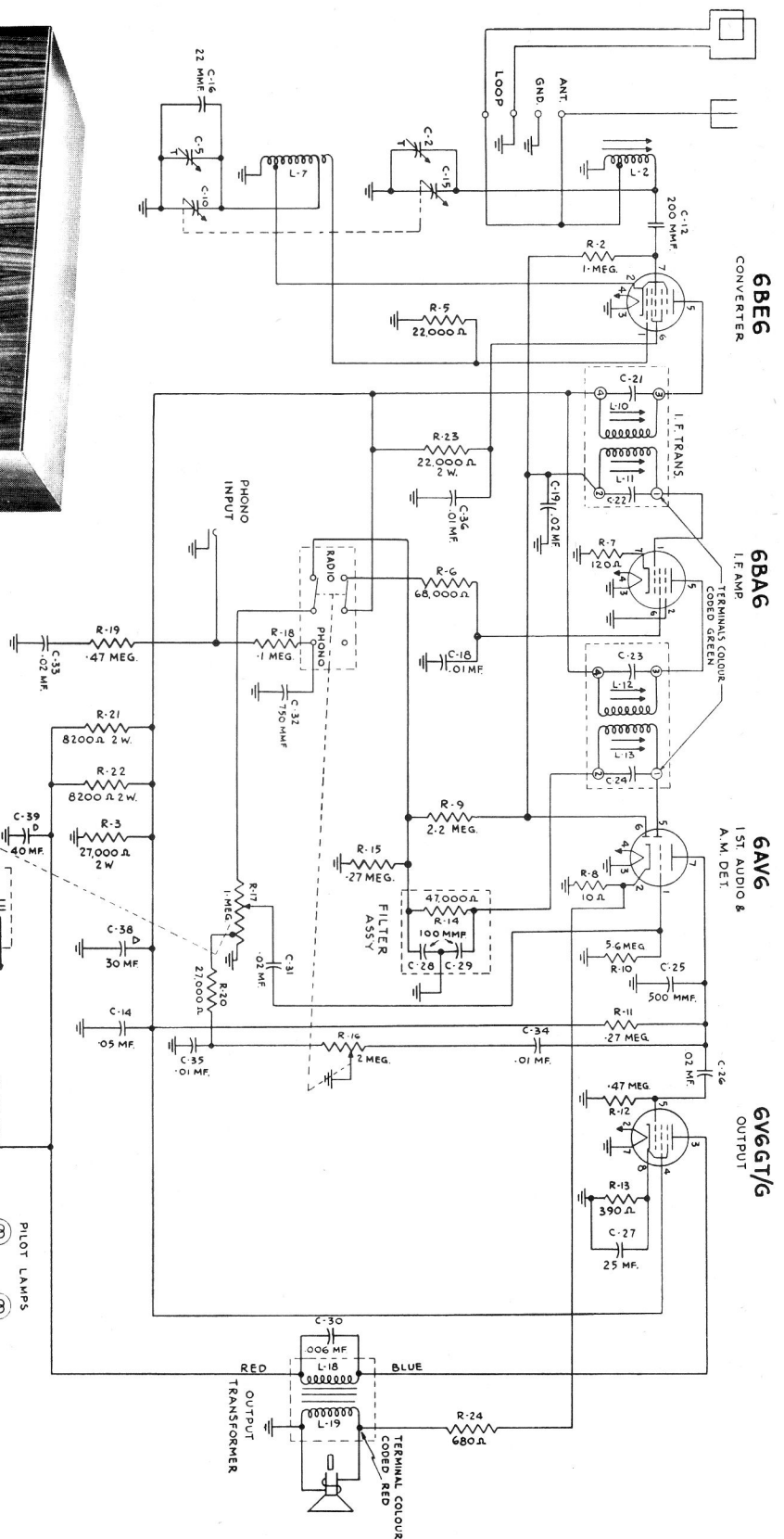


Stromberg-Carlson Model 3151 A.C. Receiver Schematic, Etc.



MODEL 3151



IDENTIFICATION TABLE

Model	Chassis	Cabinet	Speaker	Phono Equip.
3151W	02994	02992	48998	148975—25 cycle or 148976—60 cycle
Input Power Rating	51 watts at 117 line volts			
Intermediate Frequency	455 kc.			
Speaker Voice Coil Impedance (P.M.)	6-8 ohms, 400 cycles			
Power Output	Maximum 8.0 watts, 10% distortion 4.0 watts			

Stromberg-Carlson Model 3151

Alignment Information

ALIGNMENT PROCEDURE 3151

Band and Pointer Setting	Generator Setting	Input and Dummy	Meter Connections	Trimmer Adjustments and Notes
I.F. ALIGNMENT				
Lower end of band.	455 kc.	Signal Generator through .1 mfd. capacitor to pin No. 1 of 6BA6 I.F. amplifier socket.	Output meter across voice coil.	1. Adjust the iron cores (top and bottom) of the 2nd I.F. transformer L12 and L13 for maximum output with minimum signal input. Signal should be approx. 3500 uvs.
Lower end of band.	455 kc.	Signal Generator through .1 mfd. capacitor to pin No. 7 of the 6BE6 socket.	Output meter across voice coil.	2. Adjust the iron cores (top and bottom) of the 1st I.F. transformer L10 and L11 for maximum output with minimum signal input. Signal should be approx. 70 to 80 uvs. 3. Repeat 1 and 2 until maximum sensitivity and correct tracking are attained. There should be no sign of oscillation or "swishing."

R.F. ALIGNMENT

With the gang capacitor fully meshed, adjust the pointer to coincide with calibration mark located at the extreme low frequency end of the dial frame.

1500 kc.	1500 kc.	Connect a 30% modulated signal generator to the Ant. Gnd. terminals through a standard I.R.E. dummy antenna. Either the loop or an approved loop substitute must be connected across the loop terminals.	Output meter across voice coil.	1. Adjust oscillator trimmer capacitor C5 for maximum output and correct calibration. 2. Adjust the antenna trimmer C2 for maximum output, rocking the gang for correct peak.
600 kc.	600 kc.	Connect a 30% modulated signal to the antenna ground terminals through a standard I.R.E. dummy antenna or 200 mfd. capacitor. The loop antenna must be connected across the loop terminals.	Output meter across voice coil.	3. Adjust the antenna coil L2 iron core for maximum output, rocking the gang for correct peak. Repeat steps 1, 2, 3 until no further improvement is noted.

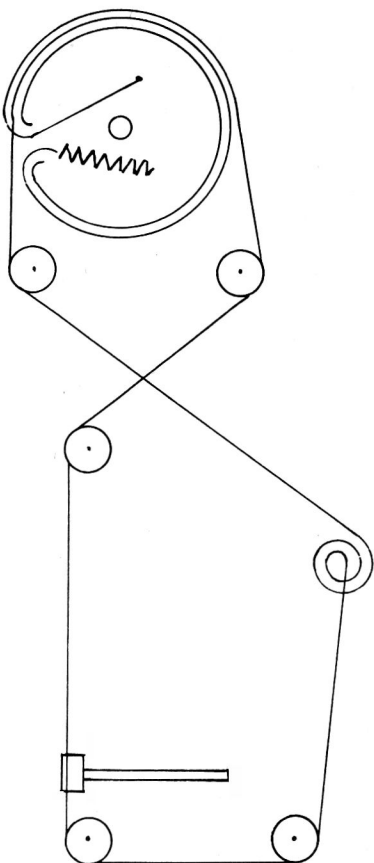
Number and Type of Tubes—5

1—6BE6	Converter	Voltage Rating	105-120 Volts A.C.
1—6BA6	I.F. Amplifier	Type of Circuit	Superheterodyne
1—6AV6	Detector, AVC, First Audio	Tuning Range	535 kc.-1700 kc.
1—6V6GT	Output Amplifier		
1—5Y3GT	Rectifier		

Stromberg-Carlson Model 3151 Receiver

Dial Stringing, Voltage Chart & Chassis & I.F. Transformer Layout

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



DIAL CORD ARRANGEMENT FOR MODEL No. 3151

SOCKET	FUNCTION	PIN 1	PIN 2	PIN 3	PIN 4	PIN 5	PIN 6	PIN 7	PIN 8
5Y3GT	Rectifier	0	285	0	(250)	0	(250)	0	285
6V6GT	Power Output	0	0	270	185	0	185	(6.7)	10.5
6AT6	Detector, AVC, 1st Audio	-1.0	0	0	(6.7)	-.45	-.7	78.	—
6BA6	I.F. Amplifier	-.7	0	0	(6.7)	185.	65.	.7	—
6BE6	Converter	-5.	0	0	(6.7)	185.	74.	-.7	—

Line volts 117. Frequency 25 cycles
Taken with a Sylvania Polymer Type 134
Figures in brackets are AC readings

TUBE LAYOUT AND TRIMMER LOCATION
MODEL No. 3151

