

Setchell Carlson, Inc.

Model: 5110

Chassis:

Year: Pre 1951

Power:

Circuit:

IF:

Tubes:

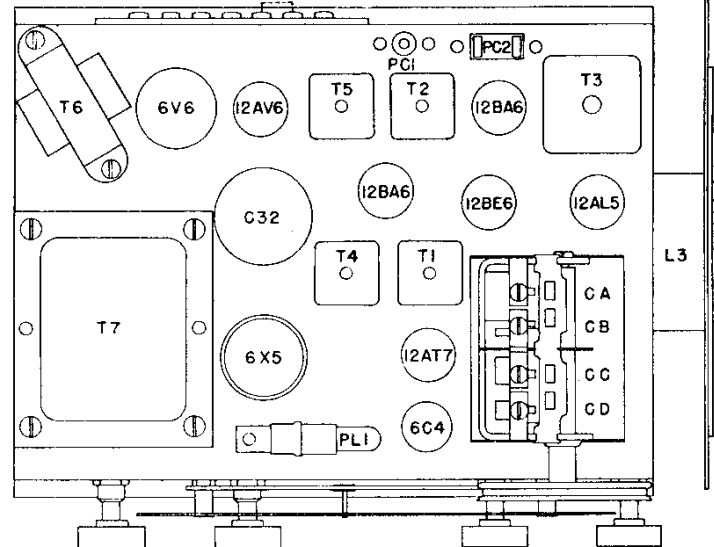
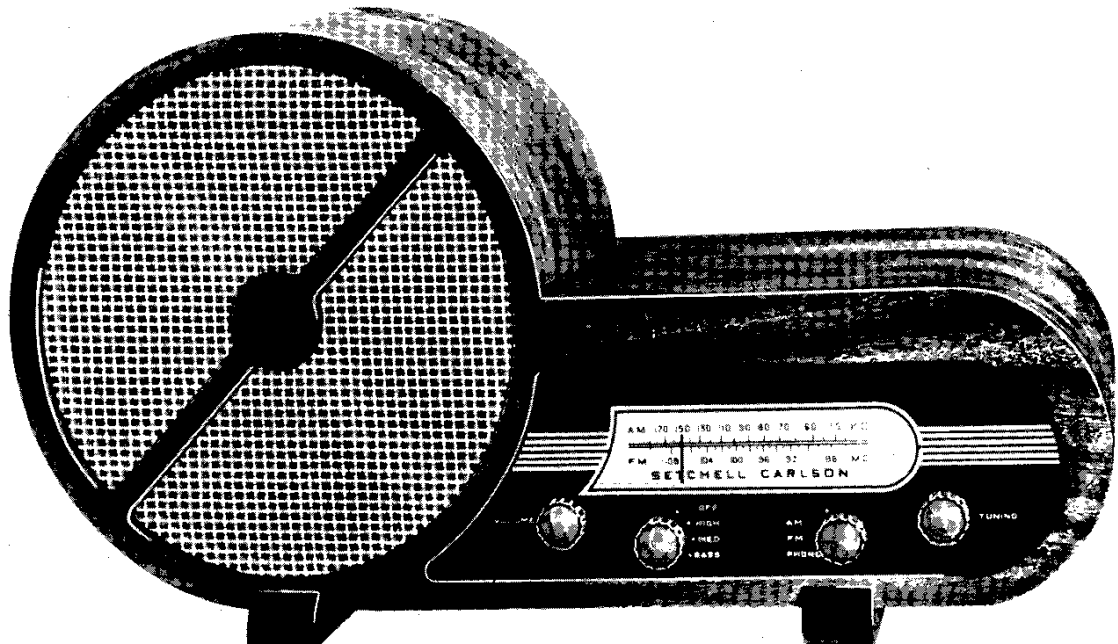
Bands:

Resources

Riders Volume 21 - SET-CARL 21-3

Riders Volume 21 - SET-CARL 21-4

MODELS 5110,
51103, Ch. 511A



MODEL 51103 5110 SPECIFICATIONS

- A. M. band coverage: 535 KC to 1800 KC.
- F. M. band coverage: 110 MC to 87 MC.
- Ten-inch Alnico V - P. M. console speaker.
- 3.2-ohm speaker terminals (for T. V.)
- Wattage load: A. M.—40 watts
F. M.—50 watts
- Undistorted power output: 2 watts.
- Eight tubes, plus rectifier—
6C4, 12AT7, 12BA6, 12BE6, 12BA6,
6V6, 12AL5, 12AV6, 6X5 Rectifier.

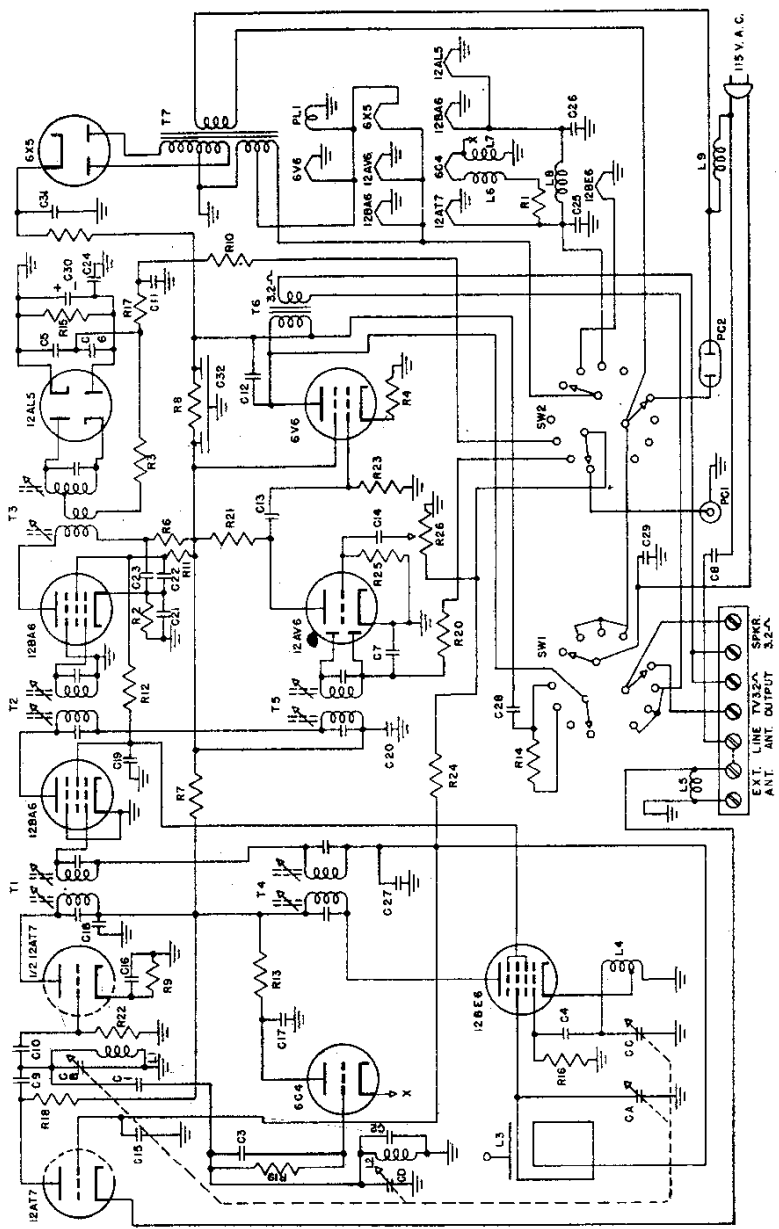
F. M. ALIGNMENT

Align I.F.'s, T1, T2, primary T3 to 10.7 KC by connecting unmodulated signal generator to grid of 12AT7 through .01 condenser. Use vacuum tube volt meter to read highest AVC voltage across C30 condenser. Adjust secondary T3 (ratio detector coil, top slug) for minimum hiss level (off station). Adjust oscillator trimmer to correspond with dial calibration at 100 mc and RF trimmer for maximum sensitivity.

A. M. ALIGNMENT

Connect signal generator to mixer grid (12BE6) through .01 condenser and align I.F.'s T4 and T5 to 455 KC. Use output meter across output transformer or vacuum tube volt meter for highest AVC voltage across condenser C27. Align oscillator trimmer to dial calibration at approximately 1400 KC and antenna trimmer for best sensitivity.

MODELS 5110,
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SCHEMATIC DIAGRAM

- L1—FM RF Coil
- L2—Oscillator Coil
- L3—AM Loop Antenna
- L4—AM Oscillator Coil
- L5—FM Antenna Choke
- L6—Filament Choke
- L7—Filament Choke
- L8—FM Line Antenna Choke
- T1—10.7 Meg. I. F. Transformer
- T2—10.7 Meg. I. F. Transformer
- T3—10.7 Meg. Ratio Detector
- T4—455 Meg. I. F. Transformer
- T5—455 Meg. I. F. Transformer
- T6—Audio O. P. Transformer
- T7—Power Transformer
- SW1—3 Pole 4-Pos. Off-On Tone Switch
- SW2—3-Pole 4-Pos. AM-FM Phono Switch
- PC1—Phono Pickup Connector
- PC2—Phono Motor Connector
- PL1—No. 47 Pilot Light

C1	1.5	Mmfd.	400 V. N220	Condenser
C2	100	Mmfd.	400 V. Tubular	Ceramic
C3	100	Mmfd.	400 V. Tubular	Ceramic
C4	100	Mmfd.	400 V. Tubular	Ceramic
C5	100	Mmfd.	400 V. Tubular	Ceramic
C6	100	Mmfd.	400 V. Tubular	Ceramic
C7	100	Mmfd.	400 V. Tubular	Ceramic
C8	100	Mmfd.	400 V. Tubular	Ceramic
C9	250	Mmfd.	400 V. Tubular	Ceramic
C10	250	Mmfd.	400 V. Tubular	Ceramic
C11	.0015	Mfd.	400 V. Mica	Condenser
C12	.01	Mfd.	400 V. Paper	Condenser
C13	.01	Mfd.	400 V. Paper	Condenser
C14	.01	Mfd.	400 V. Paper	Condenser
C15	.01	Mfd.	400 V. Paper	Condenser
C16	.01	Mfd.	400 V. Disc	Ceramic
C17	.01	Mfd.	400 V. Disc	Ceramic
C18	.01	Mfd.	400 V. Disc	Ceramic
C19	.01	Mfd.	400 V. Disc	Ceramic
C20	.01	Mfd.	400 V. Disc	Ceramic
C21	.01	Mfd.	400 V. Disc	Ceramic
C22	.01	Mfd.	400 V. Disc	Ceramic
C23	.01	Mfd.	400 V. Disc	Ceramic
C24	.01	Mfd.	400 V. Disc	Ceramic
C25	.01	Mfd.	400 V. Disc	Ceramic
C26	.01	Mfd.	400 V. Disc	Ceramic
C27	.05	Mfd.	200 V. Paper	Condenser
C28	.05	Mfd.	200 V. Paper	Condenser
C29	.1	Mfd.	400 V. Paper	Condenser
C30	.1	Mfd.	400 V. Paper	Condenser
C31	.1	Mfd.	400 V. Paper	Condenser
C32	20	Mfd.	475 V. Electro.	Condenser
C33	20	Mfd.	475 V. Electro.	Condenser
CA	B, C, D	Gang	Condenser	AM-FM