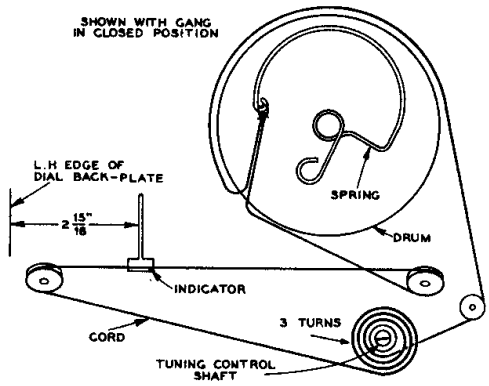
RCA VICTOR

AC-DC Radio Receiver

Model 4-X-641

Chassis No. RC-1140



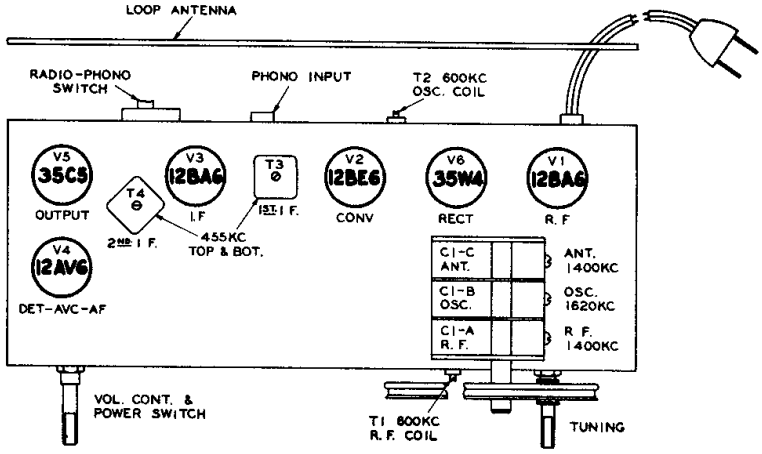
Dial Indicator and Drive Mechanism

ALIGNMENT PROCEDURE

Output Meter Alignment.—If this method is used, connect the meter across the voice coil and turn the receiver volume control to maximum.

Test Oscillator.—Connect low side of test oscillator to common wiring in series with a .1 mf. capacitor. If the test oscillator is a. c. operated it may be necessary to use an isolation transformer for the receiver during alignment and the low side of the test oscillator connected directly to common wiring at the electrolytic capacitor. Keep the oscillator output low to prevent a-v-c action.

Step	Connect high side of sig. gen. to—	Sig. gen. output	Turn radio dial to—	Adjust for peak output
1	Pin No. 7 of 12BE6 (V2 conv.)	455 kc	Quiet point near 600 kc	Top and bottom cores of T3 and T4
2	"External Antenna" terminal	1620 kc	Gang open	*C1-B Osc.
3		1400 kc	1400 kc signal	C1-A R.F. C1-C Ant.
4		Shunt C1-A with 22,000 ohm resistor		
		600 kc	600 kc	T2 Osc. (Rock gang)
5		Remove 22,000 ohm resistor from C1-A		
		600 kc	600 kc	T1 R.F.
6		Repeat steps 3, 4 and 5		



Tube and Trimmer Locations

Power Output

Undistorted ..... 0.8 watt
Maximum ..... 1.2 watts

Tuning Drive Ratio ..... 10 to 1 (5 turns of knob)