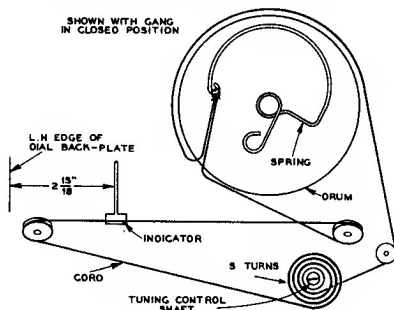


RCA VICTOR

AC-DC Radio Receiver

Model 4-X-641

Chassis No. RC-1140



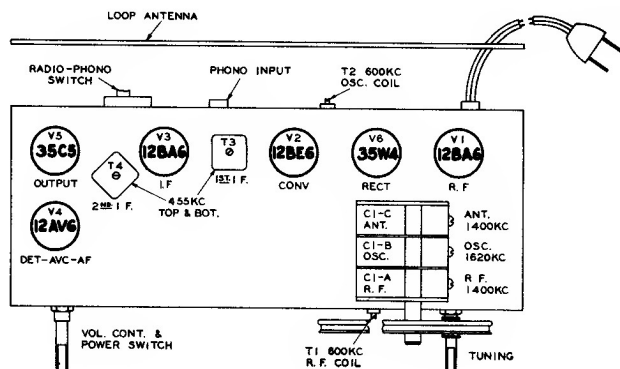
Dial Indicator and Drive Mechanism

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.

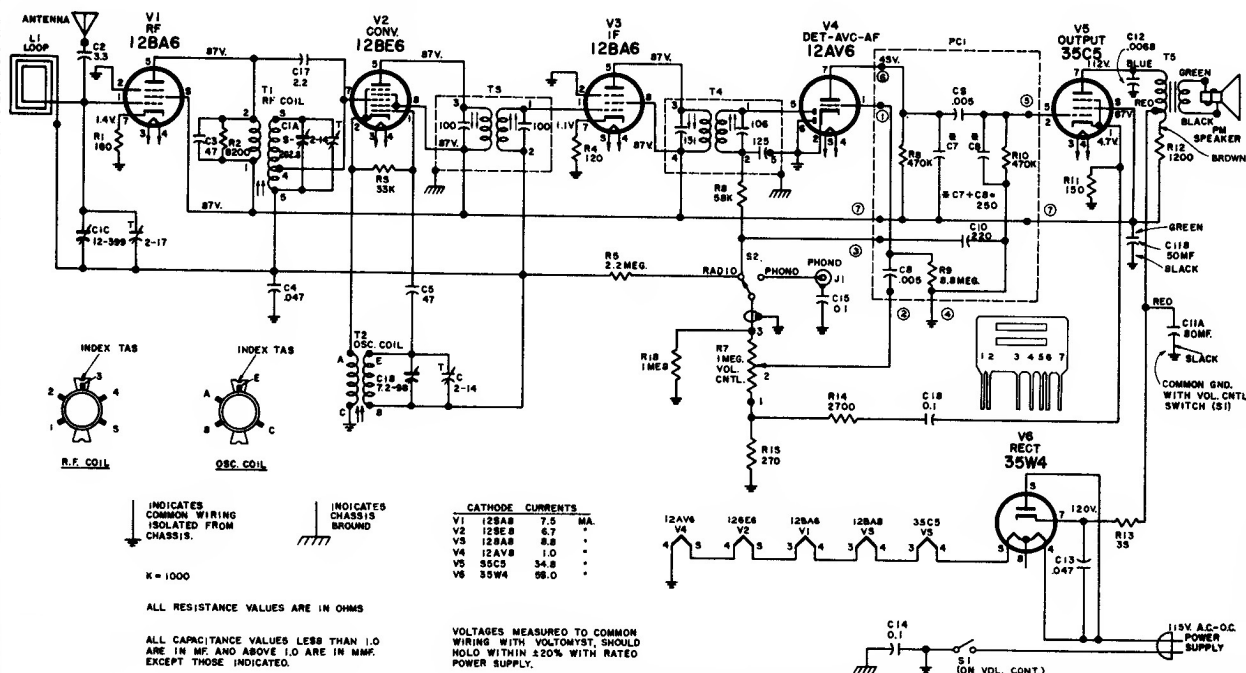
Step	Connect high side of sig. gen. to—	Sig. gen. output	Turn radio dial to—	Adjust for peak output
1	Pin No. 7 of 12BE6 (V2 conv.)	455 kc	Quiet point near 600 kc	Top and bottom cores of T3 and T4
2		1620 kc	Gang open	*Cl-B Osc.
3		1400 kc	1400 kc signal	Cl-A R.F. Cl-C Ant.
4	"External Antenna" terminal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



ALL RESISTANCE VALUES ARE IN OHMS

ALL CAPACITANCE VALUES LESS THAN 1.0 ARE IN MF. AND ABOVE 1.0 ARE IN MM. EXCEPT THOSE INDICATED.

VOLTAGES MEASURED TO COMMON WIRING WITH VOLTOYST, SHOULD HOLD WITHIN $\pm 20\%$ WITH RATED POWER SUPPLY.

K = 1000