



RCA VICTOR

AC-DC Radio Receiver

Models 2X61, 2X62

Chassis No. RC-1080C RC-1080D

ALIGNMENT PROCEDURE

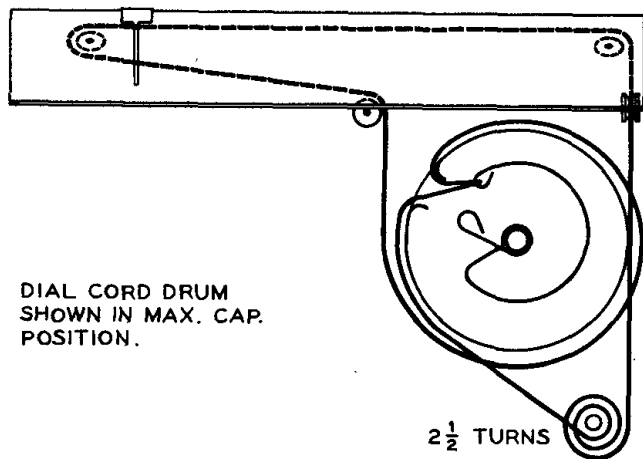
Cathode Ray Alignment is the preferable method. Connections for the oscilloscope are shown on the schematic diagram.

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.

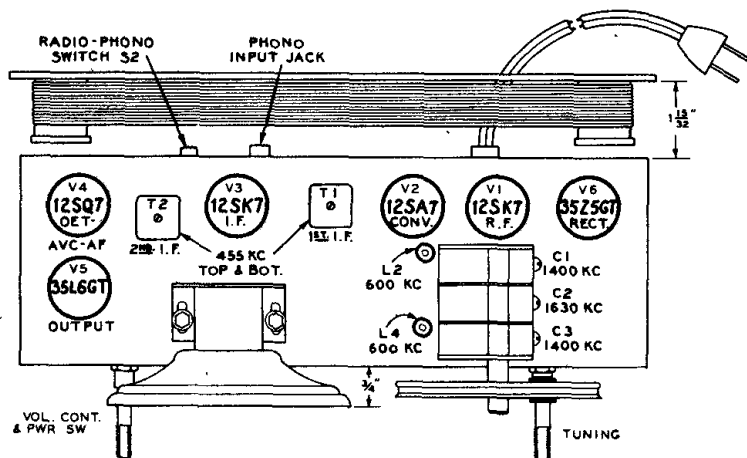
Step	Connect high side of sig. gen. to—	Sig. gen. output	Turn radio dial to—	Adjust for peak output
1	Pin No. 4 of 12SK7 tube	455 kc	Quiet point near 600 kc	Top and bottom cores of T2
2	Pin No. 8 of 12SA7 tube			Top and bottom cores of T1
3		1620 kc	1620 kc	C6 Osc. C5 R.F. C4 Ant.
		1400 kc	1400 kc	
4	"External Antenna" terminal through 100 mmf. capacitor	Shunt C5 with 22,000 ohm resistor		
		600 kc	600 kc	L4 Osc. (Rock gang)
5		Remove 22,000 ohm resistor from C5		
		600 kc	600 kc	L2 R.F.
6		Repeat steps 3, 4 and 5		

The position of the loop antenna in relation to the chassis affects adjustment of C4. The correct position is indicated on the illustration "Tube and Trimmer Locations."



DIAL CORD DRUM SHOWN IN MAX. CAP. POSITION.

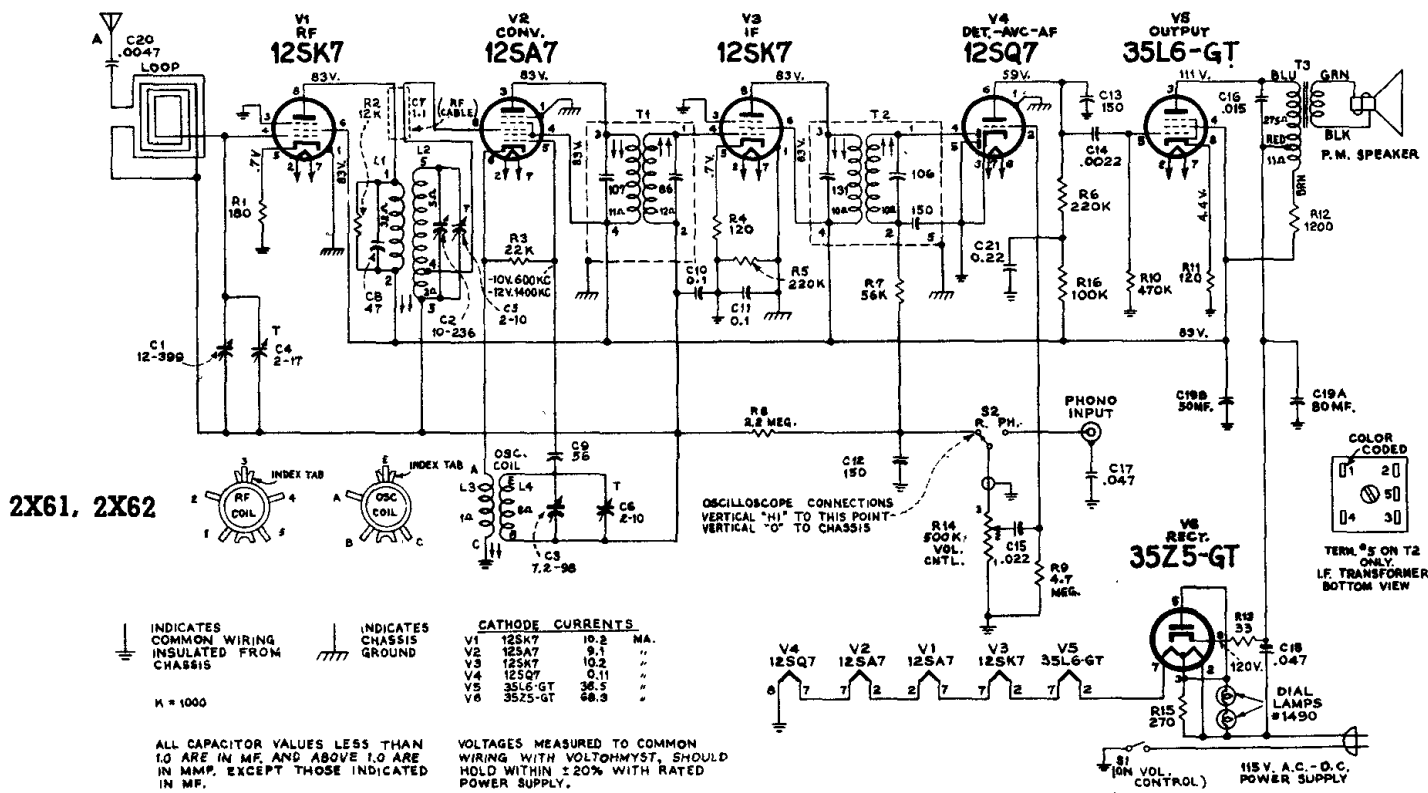
Dial Indicator and Drive Mechanism



Tube and Trimmer Locations

NOTE.—If reception is not obtained on d. c. operation, reverse plug in outlet receptacle. On a. c. operation this may reduce hum.

The position of the speaker is adjustable; the correct position is indicated on the illustration "Tube and Trimmer Locations."



2X61, 2X62

INDICATES COMMON WIRING INSULATED FROM CHASSIS
INDICATES CHASSIS GROUND
M = 1000

CATHODE CURRENTS		
V1	V2	V3
12SK7	12SA7	12SK7
10.2	9.1	10.2
MA.	MA.	MA.
V4	V5	V6
12SQ7	35L6-GT	35Z5-GT
0.11	36.5	68.3
MA.	MA.	MA.

ALL CAPACITOR VALUES LESS THAN 10 ARE IN MF. AND ABOVE 1.0 ARE IN MMF. EXCEPT THOSE INDICATED IN MF.

VOLTAGES MEASURED TO COMMON WIRING WITH VOLTOHMYST, SHOULD HOLD WITHIN ±20% WITH RATED POWER SUPPLY.