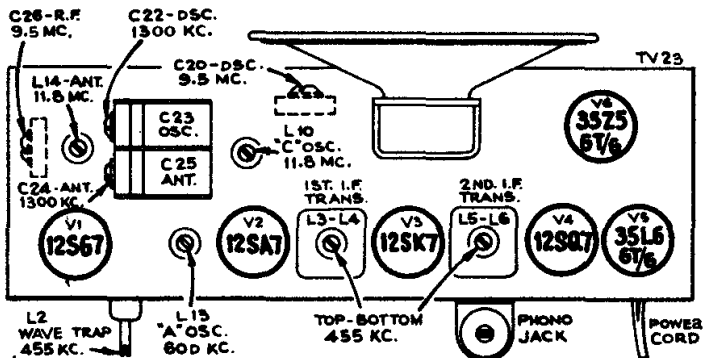


Alignment Procedure

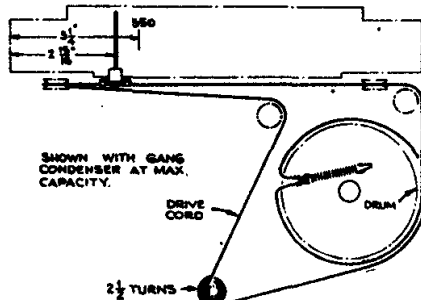
RCA VICTOR

MODELS 66X1, 66X2, 66X3, 66X4, 66X9

Chassis No. RC-1038



CATHODE CURRENTS—
 12S67 8.7 MA.
 12SA7 7.1 "
 12SK7 11.5 "
 12SQ7 16 "
 35L6/G 30-3 "
 35Z5/G 57.5 "



Test Oscillator.—Connect high side of test oscillator as shown in chart. Connect low side through a 0.1-mfd. capacitor to common "B." Keep the output signal as low as possible to avoid A.V.C. action.

Output Meter.—Connect meter across speaker voice coil. Turn volume control to maximum clockwise position, station selector switch to broadcast maximum high position (pos. 2), for broadcast alignment and to position 3 for high frequency band.

Dial Pointer Adjustment.—Rotate tuning condenser fully counter-clockwise (plates fully meshed). Adjust indicator to 2 1/4 in. from end of backplate as indicated in drawing.

On models 66X1 and 2 the dial indicator is accessible for adjustment by removing the metal strip below the dial glass. (Lift and swing the top forward).

Steps	Connect high side of the test oscillator to—	Tune test osc. to—	Turn radio dial to—	Adjust the following for maximum peak output
1	Pin #4 (signal grid) 12SK7 IF tube in series with 0.1 mfd.			T2† 2nd I-F trans.
2	Pin #8 (signal grid) 12SA7 1st det. in series with 0.1 mfd.	455 kc	Quiet point at 1600 kc end of the dial	T1 1st I-F trans.
3				L2 for minimum output (Wave trap)
4	Antenna in series with 200 mmf.	1300 kc	1300 kc	C22 (osc.) C24 (ant.)
5		600 kc	600 kc	L13 While rocking gang
6	Repeat steps 4 and 5.			
7		9.5 mc.	9.5 mc.	C20 (Osc.)*
8	Antenna in series with 50 mmf.	9.5 mc.	9.5 mc.	C26 Ant. while rocking gang
9		11.8 mc.	11.8 mc.	L10 (Osc.)**
10				L14 while rocking gang
11	Repeat steps 9 and 10.			

*If two peaks are obtained use minimum cap peak.

**If two peaks are obtained use minimum inductance peak.

†Do not repeat step No. 1.

