

RCA VICTOR

1X51 Series

1X51 SERIES:

1X51 (Maroon)	1X52 (Ivory)	1X53 (Green)
1X54 (Tan)	1X55 (Blue)	1X56 (Red)
	1X57 (White)	

Chassis No. RC 1104, RC 1104A, RC 1104B

Chassis using different tubes:

CHASSIS NO. RC 1104-1, RC 1104A-1, RC 1104B-1

Same as above except rectifier is RCA 35W4 instead of RCA 35Z5GT.

CHASSIS NO. RC 1104C, RC 1104D, RC 1104E

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|---------------|-------|---------------------------|
| (1) RCA 12BE6 | | Converter |
| (2) RCA 12BA6 | | I.F. Amplifier |
| (3) RCA 12AV6 | | Det. - A.V.C. - A.F. Amp. |
| (4) RCA 50C5 | | Output |
| (5) RCA 35W4 | | Rectifier |

Test-Oscillator

For all alignment operations, connect the low side of the test-oscillator to the receiver chassis, and keep the oscillator output as low as possible to avoid a-v-c action.

On AC operation an isolation transformer (115 v./115 v.) may be necessary for the receiver if the test oscillator is also AC operated.

Dial Centering

If the mounting of the tuning condenser has been disturbed, it may be necessary to adjust its position after replacing the chassis in the cabinet. This may be done in the following manner:

1. Replace tuning knob.
2. Install chassis and tighten the mounting screws.
3. Loosen the two screws which hold the tuning condenser mounting bracket to the chassis.
4. Adjust the position of the tuning condenser mounting bracket so that the tuning knob may be rotated without binding on the cabinet.
5. The two screws should then be tightened to maintain this position.

Alignment Procedure

Steps	Connect the high side of test-oscillator to—	Tune test-osc. to—	Turn radio dial to—	Adjust the following for max. output
1	12BA6 I-F grid through .01 mfd. capacitor	455 kc	Quiet-point 1600 kc end of dial	*T2 (top and bottom) 2nd I-F trans.
2	Stator of C1-2 through .01 mfd.			T1 (top and bottom) 1st I-F trans.
3		1620 kc	Min. cap.	osc. trimmer
4	Short wire loop near loop to radiate signal	1400 kc	1400 kc signal	†ant. trimmer
5		600 kc	600 kc signal	L2 (osc.) Rock gang
6		Repeat steps 3, 4 and 5.		

* Do not readjust T2 when test oscillator is connected to C1-2.

† When adjusting ant. trimmer it is necessary to have the loop in the same position and spacing as it will have when assembled in the cabinet. This spacing is 5/2" from dial hack plate to loop.

