



RCA VICTOR MODEL 8V7, 77V1

Chassis No. RC-615

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.—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.

| Steps | Connect high side of test oscillator to— | Tune test oscillator to— | Turn radio dial to— | Adjust the following for maximum peak output |
|-------|---|--------------------------|------------------------------------|--|
| 1 | 6SK7 grid in series with .01 mfd. | 455 kc. | Quiet Point at 550 kc. end of dial | Top and bottom (2nd I-F Trans.) T-2 |
| 2 | 6SA7 grid in series with .01 mfd. | | | Top and bottom (1st I-F Trans.) T-1 |
| 3 | Primary lead on loop in series with 200 mmfd. | 1,400 kc. | 1,400 kc. | C4 (osc.) C2 (ant.) |
| 4 | | 600 kc. | 600 kc. | L2 (osc.) Rock gang |
| 5 | | Repeat steps 3 and 4 | | |

Critical Lead Dress:

1. Dress speaker cable leads down next to chassis.
2. Dress output plate capacitors next to chassis.
3. Dress plate lead of output tube away from grid of audio amplifier.
4. Dress all a-c leads away from volume control down next to chassis.
5. Dress lead from top tap of volume control to range-tone switch along front apron of chassis.
6. Dress R12 and R15 down near chassis base.

