## RCA Victor MODELS BK-41 and BT-41

Cathode-ray Alignment is the preferable method. Connections for e oscillograph are as follows: Vertical "Hi" to E on the 2nd I-F the oscillograph are as follows: Vert transformer, Vertical "O" to chassis.

Output Meter Alignment.—If this method is used, connect the meter across the voice coil, and turn the receiver volume control to

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

For additional details, refer to booklet "RCA Victor Receiver

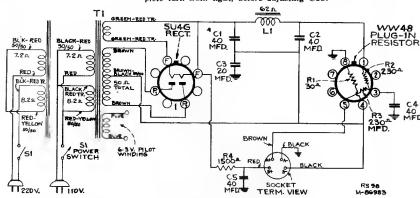
Alignment.'

Pre-setting Dial.—With gang condenser in full mesh, the pointer should be horizontal.

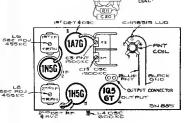
Steps	Connect the high side of test-oscil- lator to-	Tune test-osc. to	Turn radio dial to—	Adjust the follow- ing for max. peak output
No. 1	1N5-G I-F grid cap, in series with 0.01 mfd.	455 kc	Quiet point between 550-750 kc	L7 and L8 (2nd I-F transformer)
No. 2	1A7-G 1st-det. grid cap in series with 0.01 mfd.	455 kc		L5 and L8 (1st I-F transformer)
No. 3	Antenna lead, in series with 200 mmfd.	600 kc	600 kc	L4 (oscillator) L2 (antenna)
No. 4	Antenna lead, in series with 200 mmfd.	1,500 kc	1,500 kc	C15† (oscillator) C3 (antenna)

† Trimmer C16 on gang condenser should be unscrewed one complete turn from tight, before adjusting C15.





Schematic Diagram—Model CV-40



## Precautionary Lead Dress

- Red lead from second i-f transformer to screen terminal of 1N5-G
  must be dressed close to and along edge of chassis.
- 2. Twisted green wire from antenna coil to gang must be 9 turns and kept clear of rotor.
- Blue and green leads to volume control must be dressed close to chassis and between gang and front apron.
- The opening in the shield of the 1N5-G should be turned away from the chassis and the i-f transformers.

5. Antenna and ground wires shoud be twisted together.

