



# RCA VICTOR

## 65F and CV-42 Electrifier

Chassis No. (RC-1004E) (RS-1000)

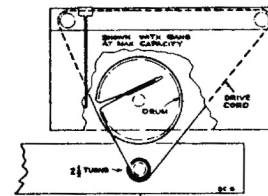
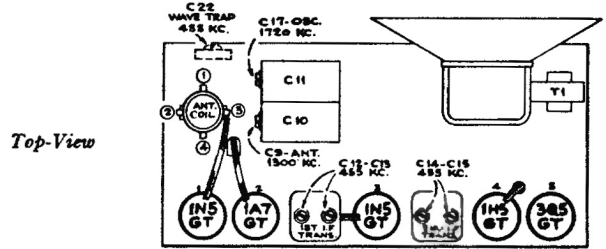
Cathode Ray Alignment is the preferable method. Connections for the oscillograph are shown in the diagram.

**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 output as low as possible to avoid AVC action.

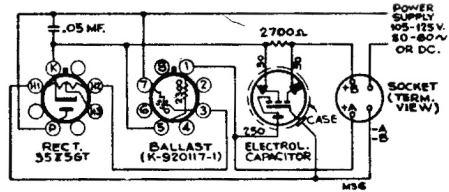
**Pre-Setting Dial.**—With gang condenser in full mesh, the pointer should be set at the left-hand end dial calibration mark.

| Step | Connect high side of the test oscillator to— | Tune test osc. to— | Turn radio dial to—                   | Adjust the following for maximum peak output          |
|------|--|--------------------|---------------------------------------|---|
| 1    | I-F grid in series with .01 mfd.             | 455 kc             | Quiet point between 550 and 750 kc    | C14, C15 (2nd I-F Trans.)                             |
| 2    | 1A7GT grid in series with .01 mfd.           |                    |                                       | C12, C13 (1st I-F Trans.)                             |
| 3    | Antenna terminals in series with 200 mmfd.   | 1,720 kc           | Tuning condenser rotor plates all out | C17 (osc.)  |
| 4    |  | 1,300 kc           | 1,300 kc signal                       | C9 (ant.)   |
| 5    |  | 455 kc             | Quiet point between 550 and 750 kc    | Adjust C22 for minimum output on strong 455 kc signal |



### Precautionary Lead Dress.—

1. The lead from the 3Q5 plate to output transformer should be dressed under clip, and away from audio input leads.
2. All filament wires should be dressed close to chassis.
3. Keep AVC lead connecting C1 (0.1 mfd. filter) to antenna coil away from the 1A7GT plate.
4. Keep blue plate leads coming from I.F. transformers short and close to chassis.
5. Keep yellow leads connected to oscillator coil away from trap coil.
6. Keep grid lead of 1N5GT RF tube away from 1A7GT grid.
7. Keep green lead from second I.F. transformer short and close to ground.



Electrifier Schematic

