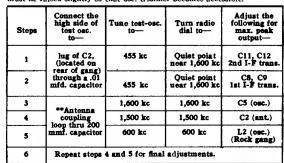
## RCA **54B5** Chassis No. RC1047

## Alignment Procedure

Test Oscillator.—Connect test oscillator as indicated in chart keeping the output as low as possible to avoid A V C action.

Output Meter.—Connect a high resistance AC voltmeter in series with a anid capacitor from top lug of TB1 (plate of 354) to ground. Turn volume control to maximum position.

When using the dummy case for the osc. alignment, the loop assembly must he raised slightly so that osc. trimmer becomes accessible.



\*The 1F transformers can he aligned with chassis out of case.

\*\*Steps 3, 4 and 5 require a coupling loop from the signal generator to feed a signal into the receiver loop located in the back. This loop should he approximately one turn of 6 x 3½ inches coupled to the signal generator through a 200 mm, capacitor, and loosely coupled to the receiver loop antenna at about 1½ inches distance, so as not to disturb the receiver loop inductance. Ground test oscillator through .1 mf. capacitor to receiver chassis.

## CRITICAL LEAD DRESS

- 1. Dress blue, green and black leads of second IF transformer as direct as possible. If excess lead exists, dress down side of socket and flat against chassis to transformer opening.
- Cross the green and the black leads Inside the first IF transformer can, keeping the green lead to the outside. Load coil bracket is to separate the blue and the green leads.
- 3. Dress audio coupling capacitor C14 and the lead to the volume control up and underneath shelf supporting the output transformer.
- 4. Wire in the three capacitors pyramided hehind the speaker with enough space hehind the battery holder to allow holder to move when battery is replaced. Dress the ground leads of these capacitors to keep from sborting the off-on switch.
- Observe the outside foil connections on all paper capacitors, also the polarity of the electrolytic capacitor C17.
- 6. Keep blue and red leads of output transformer above the mounting shelf.
  - 7. Dress all leads as far as possible from loading coil.
- 8. Dress leads to gang as far as possible from all metal parts.
- 9. Dress loop leads to keep from interfering with battery replacement.

1/21 A BATT

