# RCA Victor

# MODELS 9TX-31, 9TX-32, 9TX-33

## Chassis No. RC-405, RC-405A, RC-405B

## Five-Tube, Single-Band, AC-DC Superheterodyne Receivers

## Alignment Procedure

**Output Meter Alignment.**—Connect the meter across the voice coil, and turn the receiver volume control to maximum.

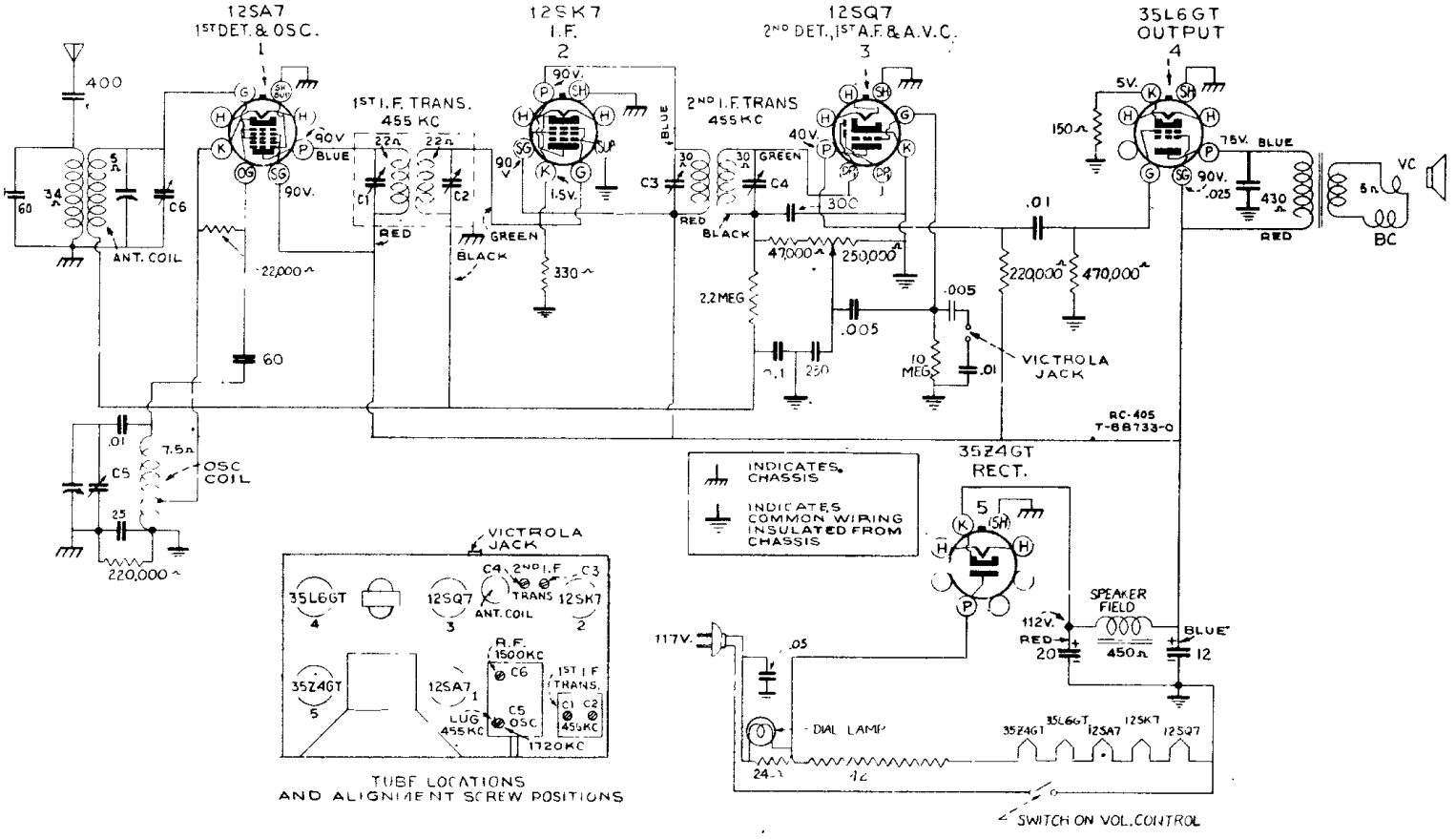
**Test-Oscillator.**—Connect the low side of the test-oscillator to the receiver chassis, through a .01 mfd. capacitor, and keep the output as low as possible.

| Steps | Connect the high side of test-oscillator to— | Tune test-osc. to— | Turn radio dial to— | Adjust the following for max. peak output— |
|---|---|---|---|---|
| 1 | Tuning condenser stator (osc.) in series with .01 mfd. | 455 kc | Quiet point at 1,600 kc end of dial | C1, C2, C3, C4 (1st and 2nd I-F transformers) |
| 2 | Antenna term. of ant. trans. in series with 100 mmfd. | 1,720 kc | Full clockwise (out of mesh) | C5 (oscillator) |
| 3 | | 1,500 kc | Resonance on 1,500 kc signal | C6 (antenna) |

### Precautionary Lead Dress

1. Dress 1st I-F plate and grid leads against chassis and away from each other. Dress plate lead from 12SK7 close to chassis.
2. Dress electrolytic capacitor against rear apron.

**Power-Supply Polarity.** — For operation on d-c, the power plug must be inserted in the outlet for correct polarity. If the set does not function, reverse the plug. On a-c, reversal of the plug may reduce hum.

**Antenna.**—The set is equipped with length of antenna wire. Do not connect the antenna to ground. If an outdoor antenna is used, it should not be longer than 100 feet, including lead-in. If it is longer, connect a 100 to 200 mmf. capacitor in series with the lead-in.

**Victrola Attachment.**—A jack is provided on the rear of chassis for connecting a Victrola Attachment into the audio-amplifying circuit. The cable from the Victrola Attachment should be terminated in a Stock No. 31048 plug to fit the jack.