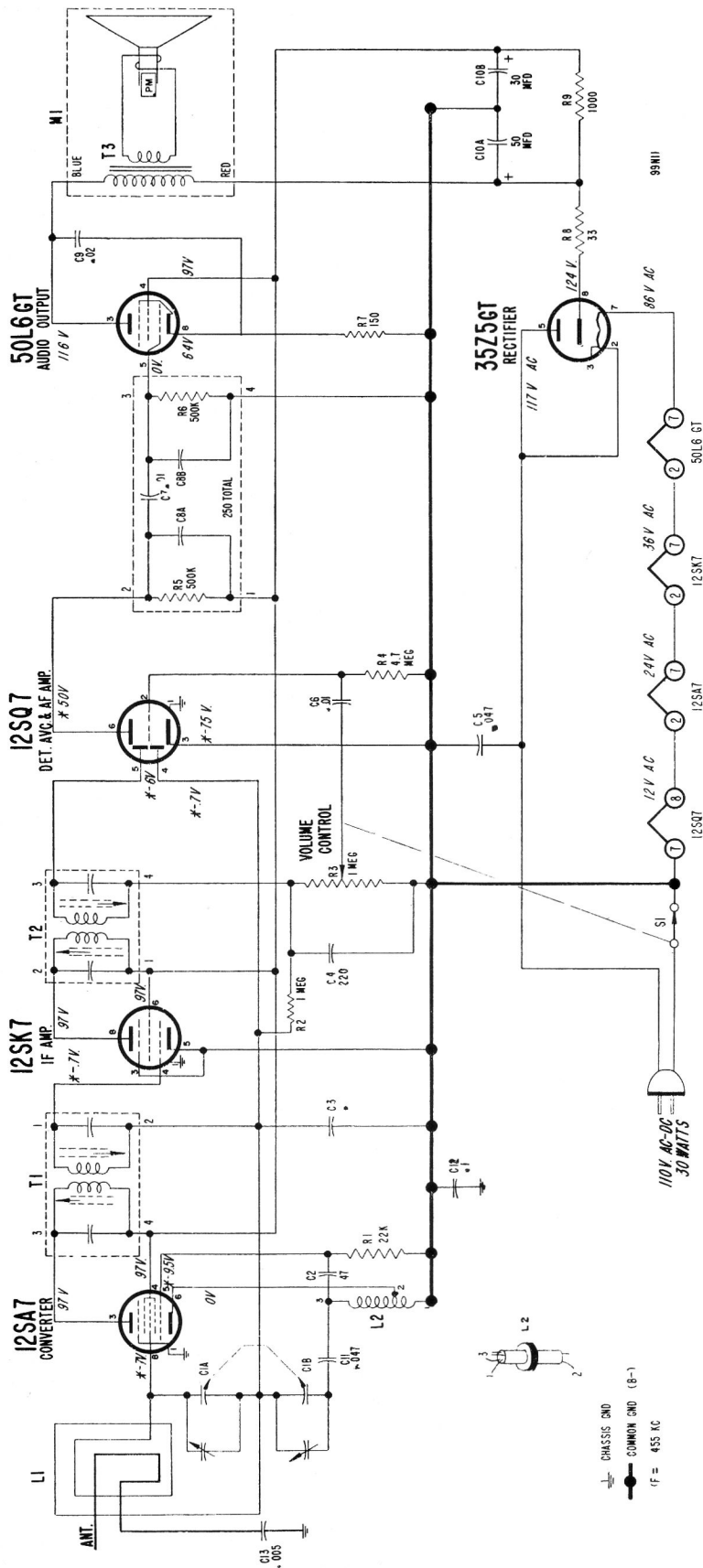
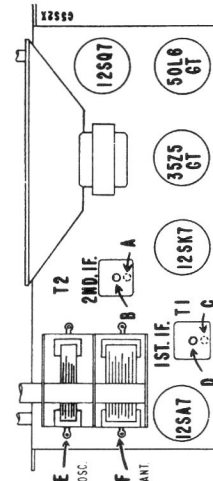
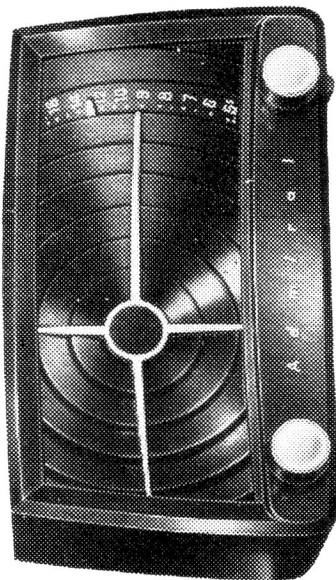




## TUBE AND TRIMMER LOCATION



## VOLTAGE DATA

Voltages shown on schematic diagram.

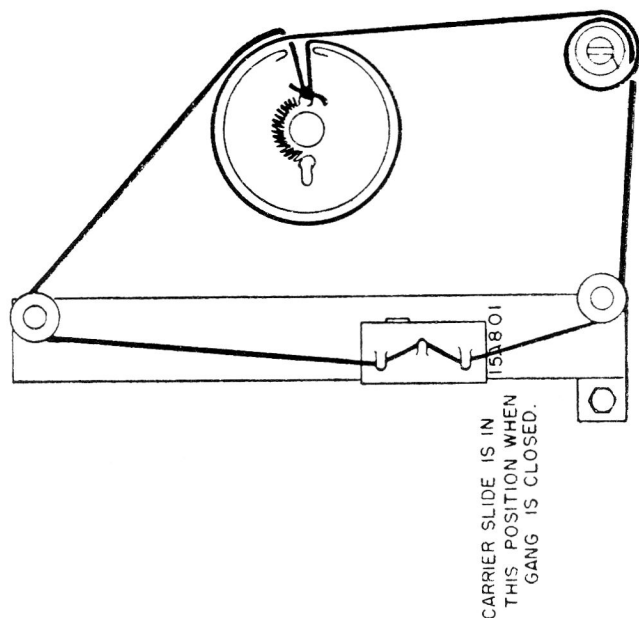
- All readings made between tube socket terminals and B minus (terminal of On-Off switch).
- Measured on 117 Volts AC line.
- Voltages measured with Vacuum Tube Voltmeter.

\* THESE READINGS WILL BE EITHER LOWER OR PRACTICALLY ZERO IF TAKEN WITH A 1000 OHM-PER-VOLT METER

### ALIGNMENT PROCEDURE

- Turn receiver volume control full on.
- Use an isolation transformer if available, otherwise connect a .1 mfd. condenser in series with low side of signal generator and connect to B minus (terminal of On-Off switch).
- Caution: Do not connect a ground wire directly to chassis.
- Connect output meter across speaker voice coil.
- Use lowest output setting of signal generator capable of producing adequate output meter indication and then proceed as outlined in chart below.
- Repeat adjustments to insure good results.
- Use a non-metallic alignment tool for IF transformers.

### DIAL CORD STRINGING



5S2X

| Step                                                                                               | Dummy Antenna in Series with Signal Generator                                                       | Connection of Signal Generator (High Side)   | Signal Generator Frequency | Receiver Gang Setting    | Trimmer Description  | Trimmer Designation | Type of Adjustment |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------|--------------------------|----------------------|---------------------|--------------------|
| 1                                                                                                  | 250 mmfd. condenser                                                                                 | Pin 8 of 12SA7 tube                          | 455 KC                     | Gang fully open          | 2nd IF<br>1st IF     | *A, B<br>*C, D      | Maximum Output     |
| 2                                                                                                  | 250 mmfd. condenser                                                                                 | Tuning condenser<br>Antenna stator           | 1620 KC                    | "                        | Oscillator (on gang) | E                   | "                  |
| 3                                                                                                  | Loop of several turns of wire (or place generator lead close to receiver loop for adequate signal). | No physical connection (signal by radiation) | 1400 KC                    | Tune in Generator signal | Antenna (on gang)    | F                   | "                  |
| *These readings will be either lower or practically zero if taken with a 1,000 ohm-per-volt meter. |                                                                                                     |                                              |                            |                          |                      |                     |                    |