

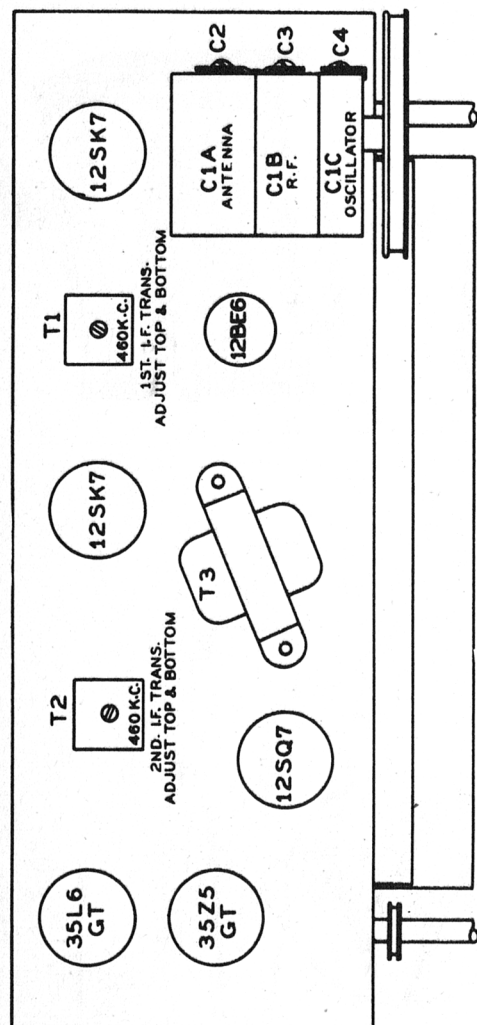
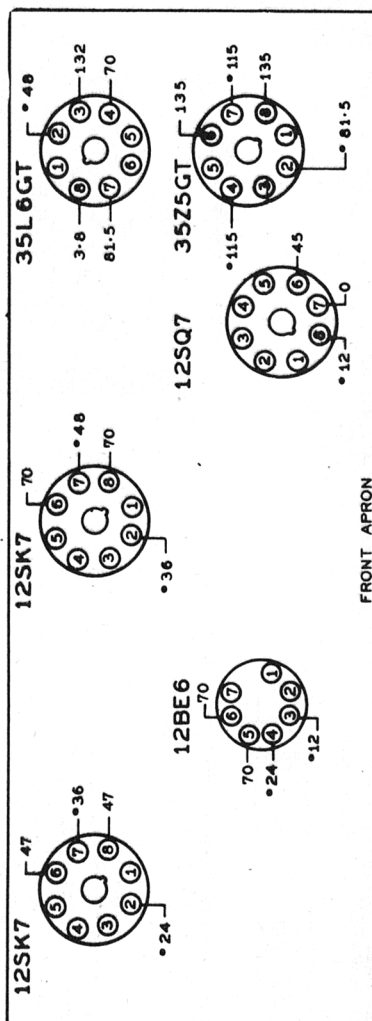


Fig. 2—Tube and Trimmer Location



FRONT APRON

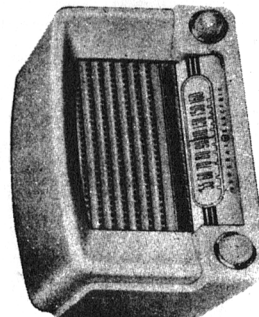
ALL VOLTAGES MEASURED AT 115 VOLTS 60 CYCLES  
WITH VOLUME CONTROL AT MINIMUM, NO SIGNAL INPUT  
AND PHONO-RADIO SWITCH IN RADIO POSITION.

• INDICATES A.C. VOLTAGE MEASURED WITH A 1000 OHM-  
PER-VOLT METER.

ALL VOLTAGES MEASURED WITH RESPECT TO B -

UNLESS OTHERWISE SPECIFIED VOLTAGES ARE D.C.  
MEASURED WITH A 20 000 OHM-PER-VOLT METER.

Fig. 3—Socket Voltage Diagram



C600

## SPECIFICATIONS

|                                   |                                   |               |               |
|-----------------------------------|-----------------------------------|---------------|---------------|
| CABINET:                          | C600                              | C601          | C602          |
| Model                             | Walnut Plastic                    | Wood (Walnut) | Wood (Walnut) |
| Height                            | 8-5/16"                           | 9-5/8"        | 11-5/8"       |
| Width                             | 12-1/2"                           | 14"           | 16"           |
| Depth                             | 7-3/4"                            | 9-1/4"        | 8-7/8"        |
| ELECTRICAL RATING (INPUT):        |                                   |               |               |
| Voltage                           | 105-125 Volts AC or DC            |               |               |
| Frequency (on AC)                 | 25 to 60 cycles                   |               |               |
| Current (at 115 Volts)            | 0.28 Amperes                      |               |               |
| OPERATING FREQUENCIES:            |                                   |               |               |
| Intermediate Frequency            | 460 kc                            |               |               |
| Broadcast Band                    | 540 kc to 1600 kc                 |               |               |
| POWER OUTPUT:                     |                                   |               |               |
| Undistorted                       | 0.8 watts                         |               |               |
| Maximum                           | 1.4 watts                         |               |               |
| LOUDSPEAKER:                      |                                   |               |               |
| Type                              | Alnico PM                         |               |               |
| Voice Coil Impedance (400 cycles) | 3.2 ohms                          |               |               |
| Outside Cone Diameter             | 5-1/4"                            |               |               |
|                                   | 6"                                |               |               |
|                                   | 8"                                |               |               |
| TUBE COMPLEMENT:                  |                                   |               |               |
| RF Amplifier                      | 12SK7                             |               |               |
| Oscillator - Converter            | 12BE6                             |               |               |
| IF Amplifier                      | 12SK7                             |               |               |
| Detector, AVC, Audio              | 12SK7                             |               |               |
| Power Output                      | 35L6GT                            |               |               |
| Rectifier                         | 35Z5GT                            |               |               |
| Pilot Lamp                        | Mazda 7WC7 110-125V               |               |               |
|                                   | Double Contact Bayonet Base Clear |               |               |

## ALIGNMENT CHART

CAUTION: Use an isolating transformer between line and receiver to prevent damage to Test Equipment.  
Connect low side of Signal Generator to B minus.

NOTE: In Steps 4, 5 & 6 Use Method "B" if several peaks are obtained in using Method "A"

| Step | Connect Test Oscillator to                                         | Test Oscillator Setting | Dial Setting      | Adjust for Maximum Output                            |
|------|--------------------------------------------------------------------|-------------------------|-------------------|------------------------------------------------------|
| 1    | 12SK7 (I.F. Amp) Grid in Series with 0.05 mfd.                     | 460 kc                  | Gang fully closed | 2nd I.F. Transformer Primary & secondary cores       |
| 2    | R.F. section of gang through 0.05 mfd.                             | 460 kc                  | Gang fully closed | 1st I.F. Transformer Primary & secondary cores       |
| 3    | Repeat Steps 1 and 2.                                              |                         |                   |                                                      |
| 4    | A* Radiation Loop or B Pin 7 of 12BE6 in series with 200 MMFD      | 1620 kc                 | Gang fully open   | C4 Oscillator Trimmer on Gang Condenser.             |
| 5    | A* Radiation Loop or B Pin 4 of 12SK7(RF) in series with 200 MMFD. | 1500 kc                 | Tune in signal    | C3 R.F. Trimmer on gang while rocking gang condenser |
| 6    | A* Radiation Loop or B Antenna Terminal in series with 200 MMFD.   | 1500 kc                 | Tune in signal    | **C2 Antenna Trimmer on gang condenser               |

\*Radiation Loop consists of two turns #18 Wire wound into a Loop about eighteen inches in diameter; Locate two to four feet from receiver Loop.  
Do not change relative position of Radiation Loop or Receiver Loop during Alignment.  
\*\*Receiver Loop must be in the same position relative to chassis as when installed in the cabinet.