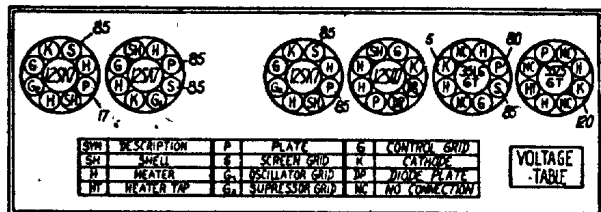
**ALIGNMENT**

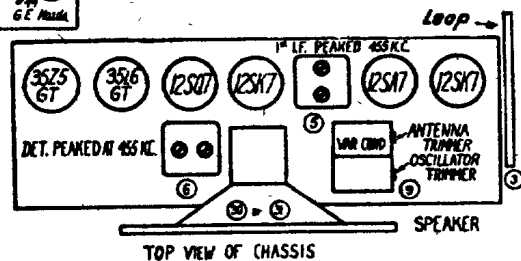
I.F.-----455 K.C.  
R.F.-----1700 to  
1400 K.C.

FOR CONVENTIONAL  
ALIGNMENT SEE  
SPECIAL SECTION  
VOL. EIGHT



BOTTOM VIEW OF CHASSIS

ALL ABOVE VOLTAGES MEASURED FROM SOCKET TERMINAL TO CHASSIS WITH A 1000 Ω PER VOLT VOLTMETER



TOP VIEW OF CHASSIS

**SERVICE NOTES**

Tuning Control Drive Ratio \_\_\_\_\_ 12:1  
Power Consumption (with phono) \_\_\_\_\_ 40 watts  
Intermediate Frequency \_\_\_\_\_ 455 K.C.  
Tuning Frequency Range \_\_\_\_\_ 540-1700 K.C.  
Maximum Power Output \_\_\_\_\_ 0.9 watts  
Loud Speaker \_\_\_\_\_ Cone Diameter---5 inches  
Voice Coil Impedance \_\_\_\_\_ (at 400 cycles) 3 ohms

Plate (8) of 12SK7 R. F. tube to common ground \_\_\_\_\_ 17 volts  
Screen (6) of 12SK7 R.F. tube to common ground \_\_\_\_\_ 85 volts  
Plate (3) of 12SA7 tube to common ground \_\_\_\_\_ 85 volts  
Screen (4) of 12SA7 tube to common ground \_\_\_\_\_ 85 volts  
Plate (8) of 12SK7 I.F. tube to common ground \_\_\_\_\_ 85 volts  
Screen (6) of 12SK7 I.F. tube to common ground \_\_\_\_\_ 85 volts  
Plate (3) of 35L6GT tube to common ground \_\_\_\_\_ 80 volts  
Screen (4) 35L6GT tube to common ground \_\_\_\_\_ 85 volts  
Cathode (8) 35L6GT tube to common ground \_\_\_\_\_ 5.0 volts  
Cathode (8) 35Z5GT tube to common ground \_\_\_\_\_ 120 volts  
Heater (2) and (7) of 12SA7 tube \_\_\_\_\_ 12.4 volts AC  
Heater (2) and (7) of 12SK7 R.F. tube \_\_\_\_\_ 12.4 volts AC  
Heater (2) and (7) of 12SK7 I.F. tube \_\_\_\_\_ 12.4 volts AC  
Heater (2) and (7) of 12SQ7 tube \_\_\_\_\_ 12.4 volts AC  
Heater (2) and (7) of 35L6GT tube \_\_\_\_\_ 35.0 volts AC  
Heater (2) and (7) of 35Z5GT tube \_\_\_\_\_ 35.0 volts AC

**SERVICE INFORMATION**

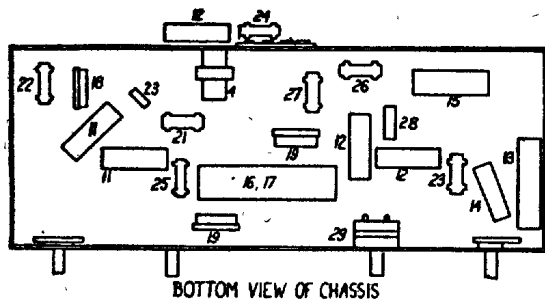
Voltages--Line 117 Volts AC--Power Consumption 40 Watts including Phono-graph Motor. Volume Control maximum. Meter 1000 ohms per volt, 250 volt

**R.F. Alignment**

Connect an output meter across the voice coil. Rotate the volume control to maximum. Set test oscillator to 455 kilocycles and apply signal to control grid of 12SK7 R.F. through a .05 mfd. capacitor. Align the second I.F. transformer trimmers, next adjust the first I.F. transformer trimmers. Keep the test oscillator output to a level that will give a good meter reading.

**R.F. Alignment**

Attach high side of test oscillator to flexible lead extending from rear of chassis through a .00025 mfd. condenser. Connect the low side to the receiver chassis. Adjust the test oscillator and receiver to 1700 kilocycles. Peak 1700 kilocycles oscillator trimmer for maximum output. Change test oscillator signal and receiver dial to approximately 1400 kilocycles. Then trim 1400 kilocycles antenna trimmer for maximum output.



BOTTOM VIEW OF CHASSIS