GENERAL ELECTRIC

RADIO

SERVICE DATA

FOR

MODEL 113

ALIGNMENT PROCEDURE

ALIGNMENT FREQUENCIES:

I-F ..... 455 kc
R-F ..... 1725 kc and 1500 kc
The location of all trimmers is shown in Figure 1.

I-F ALIGNMENT:

Connect an output meter across the voice coil. Turn the volume control to maximum. Set test oscillator to 455 kc and keep the oscillator output as low as a readable meter reading will permit. Apply signal to the converter grid through a .05 mfd. capacitor and align progressively the trimmers in the 2nd and 1st i-f transformer cans.

R-F ALIGNMENT:

Apply the r-f alignment signals through a standard IRE dummy antenna to C9. With the gang condenser wide open, align the oscillator trimmer (C11) to 1725 kc. Change the generator signal to 1500 kc, tune the receiver to the signal, and peak antenna trimmer (C9) for maximum output.

PRECAUTION:

If the signal generator is a-c operated, use an isolating transformer between the power supply and the radio receiver power input. The use of an isolating capacitor is not recommended, as a-c through the capacitor will introduce hum modulation and/or create the possibility of a burned-out signal generator attenuator.

CABINET:

OVER-ALL DIMENSIONS:

Height ..... 6 in.
Width ..... 9¼ in.
Depth ..... 4¾ in.

ELECTRICAL RATING:

Voltage ..... 105-125 v. AC or DC
Frequency on AC ..... 40-60 cps
Wattage (at 117 volts) ..... 28 watts

OPERATING FREQUENCIES:

Broadcast Band ..... 540-1725 kc

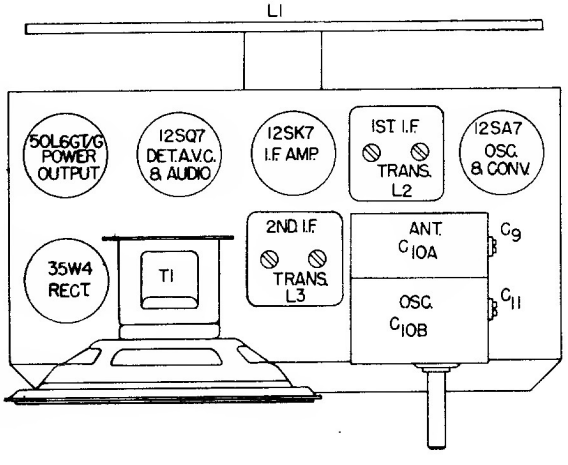
Intermediate Frequency ..... 455 kc

LOUDSPEAKER ..... ***"ALNICO V" MAGNET DYNAMIC***

Outside Cone Diameter ..... 4 in.
Voice Coil Impedance (400 cycles) ..... 3.5 ohms

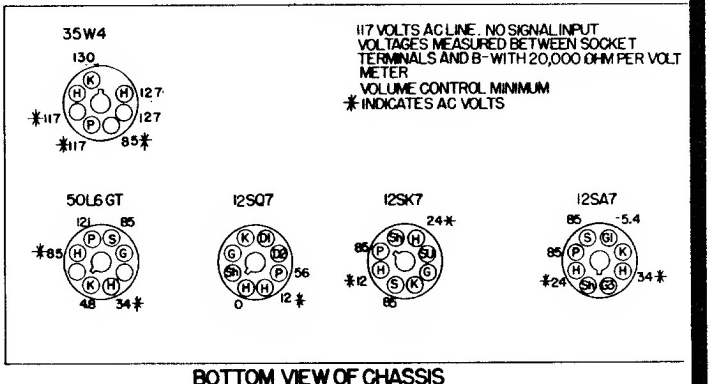
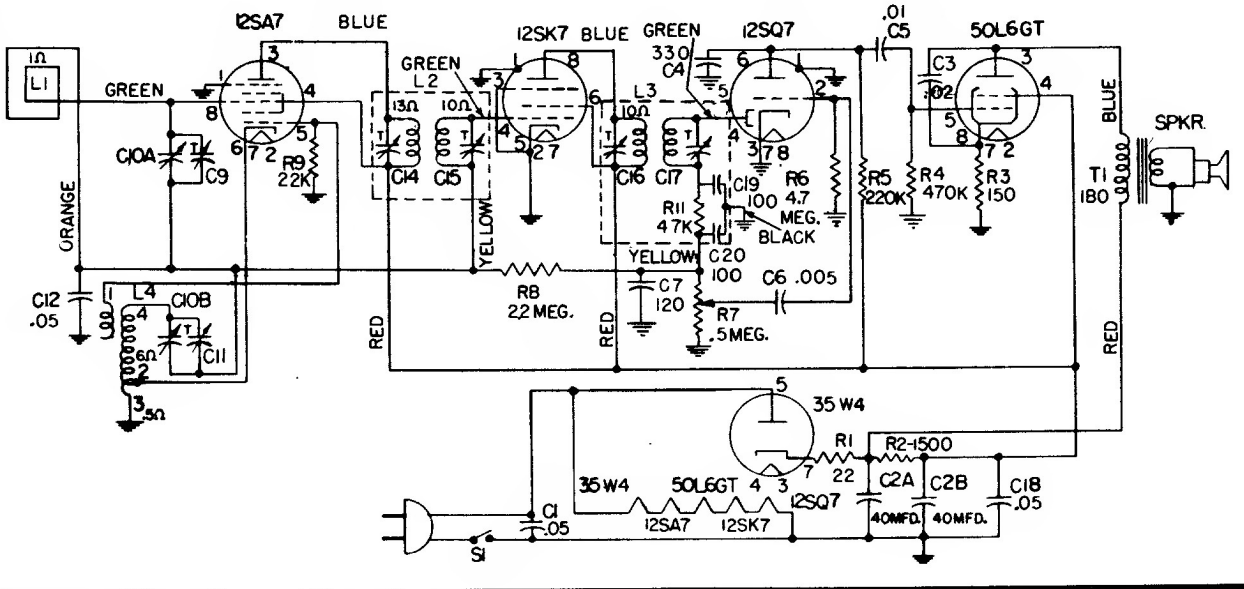
TUBES COMPLEMENT:

Converter-Oscillator 12SA7
I-F Amplifier 12SK7
Detector, AVC Audio 12SQ7
Power Output 50L6GT
Rectifier 35W4



Tube and Trimmer Location

FRONT OF CHASSIS



BOTTOM VIEW OF CHASSIS