

## General Electric Co.

**Model: 107**

**Chassis:**

**Year: Pre 1950**

**Power:**

**Circuit:**

**IF:**

**Tubes:**

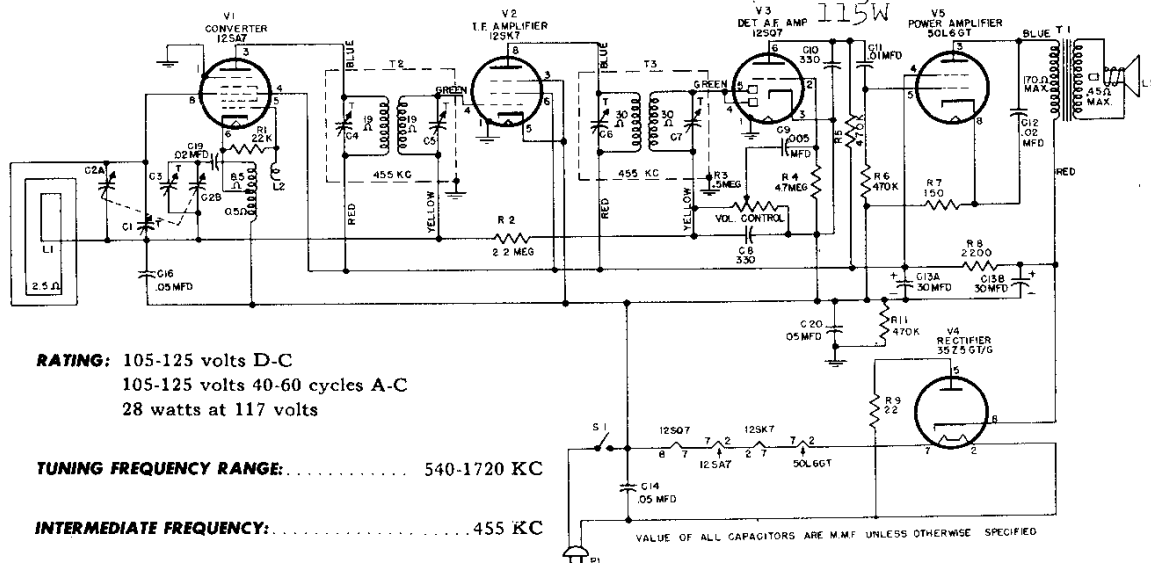
**Bands:**

### Resources

**Riders Volume 18 - GE 18-13**

**Riders Volume 18 - GE 18-14**

GENERAL ELECTRIC CO. MODELS 102, 102W, 107,  
107W, 114, 114W, 115,  
115W



**RATING:** 105-125 volts D-C  
105-125 volts 40-60 cycles A-C  
28 watts at 117 volts

**TUNING FREQUENCY RANGE:** ..... 540-1720 KC

**INTERMEDIATE FREQUENCY:** ..... 455 KC

**ALIGNMENT PROCEDURE**

**ALIGNMENT FREQUENCIES**

I-F ..... 455 KC  
R-F ..... 1720 and 1500 KC

The location of all trimmers is shown in Fig. 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**

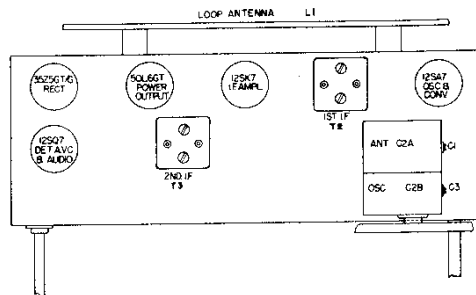
Apply the R-F alignment signals through a standard IRE dummy antenna to the primary on the loop. With the gang condenser wide open, align the oscillator trimmer (C3) to 1720 KC. Change the generator signal to 1500 KC, tune the receiver to the signal and peak the antenna trimmer (C1) for maximum output.

**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.

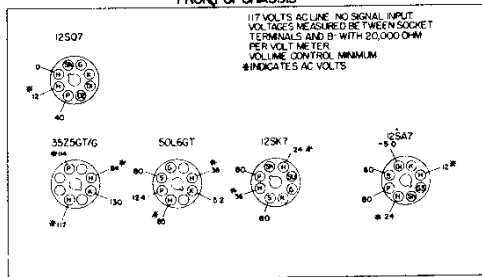
**LOUDSPEAKER "ALNICO V" MAGNET DYNAMIC**

Outside Cone Diameter ..... 4 in.  
Voice Coil Impedance (400 cyc) ..... 3.2 ohms



**Tube and Trimmer Location**

**FRONT VIEW OF CHASSIS**



**BOTTOM VIEW OF CHASSIS**

**Socket Voltage Diagram**

**GENERAL INFORMATION**

These models are 5-tube (including rectifier) superheterodyne receivers in distinctively styled brown plastic and white urea cabinets. These receivers incorporate built-in antenna, automatic volume control, oversize permanent magnet speaker and beam power output.

**TUBES**

Converter and Oscillator ..... 12SA7  
I.F. Amplifier ..... 12SK7  
Det. Audio, AVC ..... 12SK7  
Power Output ..... 50L6GT  
Rectifier ..... 35Z5GT

