



In order to provide satisfactory tracking with the K. F. and 1st detector tuned circuits the oscillator is provided with a 600 K. C. and a 1400 K. C. trimmer condenser. The 1400 K. C. trimmer condenser is located on top of the tuning condenser and trimmer condenser is located on top of the tuning condenser. The 600 K. C. trimmer condenser is across the 550 Mmf. fixed condenser and the adjusting screw is in front of the first I. F. can on top of the classing.

The I. F. transformers are small universal wound coils mounted on a piece of tubing. The I. F. tuning condensers are small mica condensers. The coil tubing standards and condensers are mounted on porcelain bases and are enclosed in metal cans located on top of the chassis. The adjusting screws of the four I. F. tuning condensers are reached from the bottom of the chassis.

Check the voltages at the sockets to see if the power system is delivering the correct voltages. The antenna and ground should be disconnected. The shield should be on. The tester plug can be inserted in the sockets and the shield placed over it. When the plug is inserted in the oscillator socket the cable must be doubled back over it in order to get the shield back on. When reading the voltages of the 1st detector bring the grid tap and wire through the trimmer condenser hole in the shield. The voltage chart shows the voltages and currents with all tubes in, speaker connected and set in operating condition. The voltages will vary with individual receivers and with variations in tubes. The voltages as shown are, with a line voltage of 115.

Several of the voltages as indicated in the chart cannot be satisfactorily read at the socket but should be read across the resistors at which they are developed.

¹⁾ Measured across 250 ohm series resistor.
²⁾ Bias voltage varies from 15 to 50 between 1500 and 350 K.C. settings of tuning condenser.
³⁾ Measured across 1000 and 1200 ohm sections of hunt resistor.
⁴⁾ Measured over two 600 ohm sections of hunt resistor.
⁵⁾ Measured across 550 ohm series resistor.

For 25 cycle sets remove the .06 Mfd. condenser across the filter choke and use No. U-3084 power transformer instead of U-2783.