



Phonola - Electrohome Series 641

Electrohome Series

641

Radio Alignment Information

I. F. ALIGNMENT

Set the signal generator to 456 K.C., and connect the output to the grid cap of the 6A8 tube through a .1 Mfd. condenser. The generator ground is connected to the chassis ground post or frame which must be externally grounded. The receiver dial is set to its highest frequency (gang open), and the volume control turned full on.

The I. F. trimmers, located as shown on the tube layout chart, are then adjusted by means of a non-metallic screw driver until maximum output results.

R. F. ALIGNMENT

1500 K. C. Set the signal generator to 1500 K.C., and connect its output lead to the antenna post of the receiver in series with a .00025 Mfd. condenser. The ground from the signal generator must be con-

nected to the chassis ground lead or frame, and externally grounded. With the receiver dial set at 1500 K.C., and volume full on, adjust the oscillator trimming condenser until a signal is heard. **Note:** There may be two signals present, use the one obtained by the minimum capacity setting of the trimming condenser and adjust it to its peak. Then adjust the antenna trimming condenser for maximum output.

600 K.C. Set the receiver dial and the signal generator to 600 K.C. Adjust the 600 K.C. padding condenser for maximum output. While making this adjustment rock the tuning control back and forth through the signal until maximum output results.

Following this, it is advisable to repeat the procedure outlined for 1500 K.C. to compensate for any slight discrepancy caused by the adjustment of the series padding condenser.

The R. F. sensitivity of this receiver is 100 microvolts at 1500 K.C., and 125 microvolts at 600 K.C.

VOLTAGES

All voltages indicated on the diagram are measured from the chassis with a voltmeter of 1000 ohms per volt. Readings were taken with volume control turned full on, line voltage at 115 volts and antenna and ground leads shorted together.