



**CAUTION:**  
DO NOT DISCONNECT SPEAKER  
PLUG WHEN RECEIVER IS ON.

WINDING POLARITY  
"S" DESIGNATES START OF WINDING  
"F" DESIGNATES FINISH OF WINDING

TO MEASURE THE VOLTAGE  
OF "X" USE ONLY A V.T.  
VOLTMETER

ALL VOLTAGES MEASURED  
TO CHASSIS AT 115V LINE

GR'D. - BLACK

ANT. - WHITE.

1<sup>st</sup> I.F. TRIMMERS

2<sup>nd</sup> I.F. TRIMMERS

SPEAKER SOCKET

TO LIGHT SOCKET

Phonola -

Electrohome 762-S

RCC - Phonola Data Sheet 57 (Lower) - 1937-38

## I. F. ALIGNMENT

Set the signal generator to 456 K.C., and connect the output to the grid cap of the 6A7 tube through a .1 Mfd. condenser.

The generator ground is connected to the chassis which must be externally grounded. The receiver dial is set to its highest frequency (gang open), the selector switch turned to broadcast band position, 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

#### Broadcast Band

**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 connected to the chassis ground post or frame, and externally grounded. With the band selector switch in the broadcast position, the dial of the receiver set at 1500 K.C. and the volume control turned full on, adjust the broadcast oscillator trimming condenser (located as shown on the tube layout chart) 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 broadcast 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.

#### Short Wave Band

**15 M. C.** Set the signal generator to 15 M.C. and connect its output to the antenna post of the receiver, through a 400 ohm resistor. The ground of the signal generator is connected to the chassis

# Electrohme

## 762-S

### Alignment Information

and must be externally grounded.

Switch the receiver to short wave band, set the receiver dial to 15 M.C. and turn the volume control full on. Adjust the short wave oscillator trimming condenser (shown on the tube layout chart) 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. The short wave antenna trimming condenser is then adjusted for maximum output.

#### WAVE TRAP ADJUSTMENT

The foregoing alignment having been completed, adjust the signal generator to 456 K.C. and connect its output through a .00025 Mfd. condenser to the antenna lead of the receiver. With the selector switch in the broadcast position and the gang closed (lowest frequency) adjust the wave trap to minimum output. It will probably be necessary to use several thousand microvolts to obtain a reading while making this adjustment.