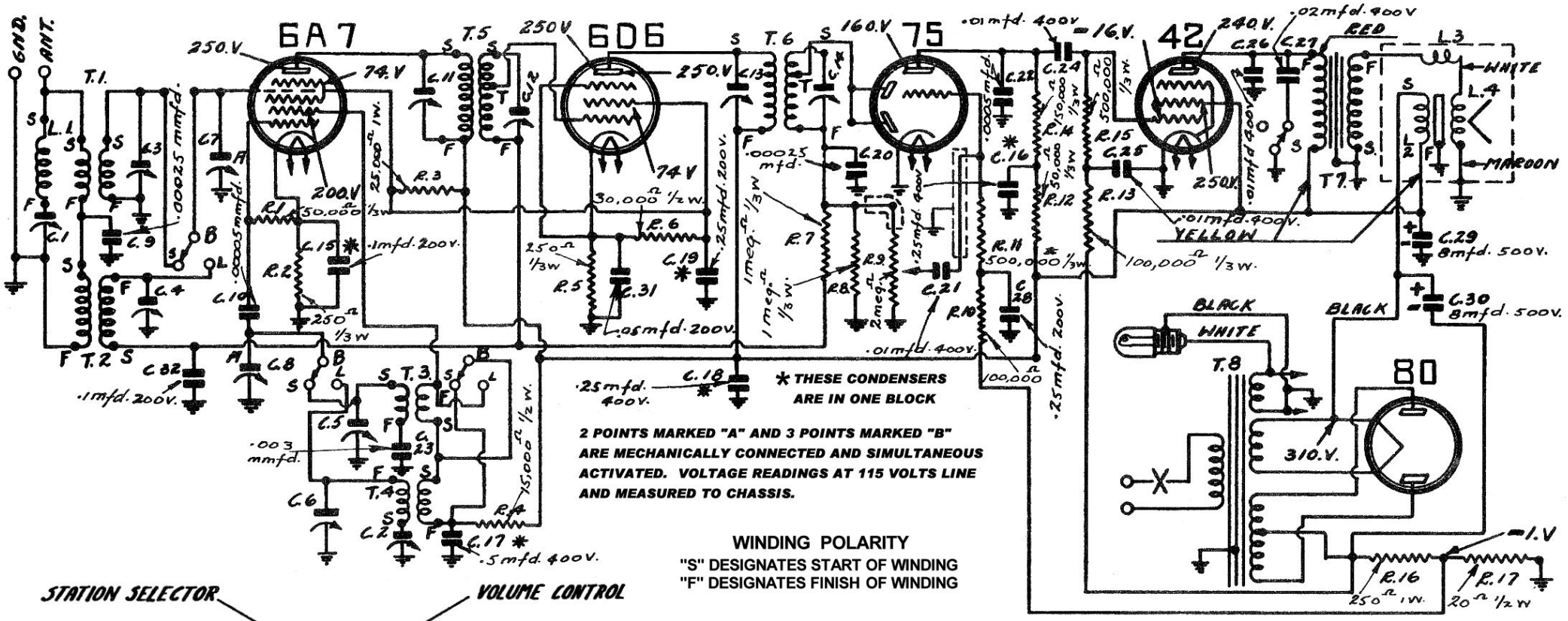

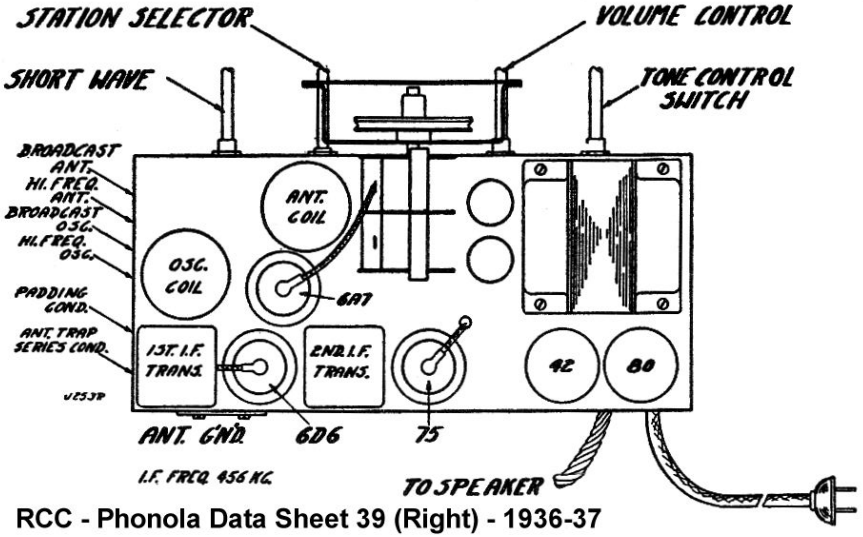

RCC - Phonola Data Sheet 39 (Right) - 1936-37

Phonola -

Electrohome Series 655

ALIGNMENT PROCEDURE

Should it become necessary to realign the receiver, proceed as follows:

Both volume and tone controls must be turned to the extreme right hand position (clockwise). The frequency range switch (Broadcast Short Wave Switch) must be turned to the left (counter clockwise). The tuning control is to be set in the maximum frequency position (rotor plates at a 180° angle to the stator plates).

I.F. ADJUSTMENT

Connect the signal generator, adjusted to 456 K.C., through a .1 mfd. condenser to the grid of the 6A7 tube. Attenuate the output of the signal generator to a suitable value and adjust the trimmer screws of the I.F. transformers for maximum output of the receiver as shown by an output meter connected from 42 plate to ground. Repeat the adjustment at least once, to verify results obtained.

SERIES TRAP ADJUSTMENT

Connect the signal generator (still adjusted to 456 K.C.) through a .00025 mfd. condenser to the antenna post of the receiver, adjust the receiver tuning control to the minimum frequency point (rotor plates fully covered by stator plates), increase the output of the signal generator to a suitable value and adjust the antenna trap series condenser for minimum output of the receiver.

BROADCAST BAND

Set the tuning control to 1500 K.C. on the dial and adjust the signal generator (still connected to the antenna post through a .00025 mfd. condenser) to 1500 K.C.

Obtain maximum output by means of adjusting the Broadcast oscillator and Broadcast antenna trimmers. Rotate the tuning control to 600 K.C. Set the signal generator to the same frequency and adjust the Padding Condenser for maximum output, meanwhile rocking the gang slightly across the 600 K.C. point as indicated on the dial. Check again at 1500 K.C. to verify accuracy of adjustments.

Electrohome Series 655

Alignment Information

SHORT WAVE ADJUSTMENT

Replace the .00025 mfd. condenser in the signal generator lead with a 400 ohm resistor. Turn the Broadcast-Short Wave Switch to the right hand (clockwise) position. Set the tuning control and the signal generator to 15,000 K.C. Adjust the high frequency oscillator trimmer for maximum output of the receiver, taking care to select the higher of the two response points, that is, the one for which the trimmer screw is farthest out. To check this adjustment a signal will be found when the gang is rotated 456 K.C. away from the original gang setting at 15,000 K.C., and the checking frequency will be 14,544 K.C.

Then adjust the high frequency antenna trimmer, carefully rotating the receiver tuning control back and forth across the 15,000 K.C. point in order to allow for slight detuning of the oscillator by the antenna trimmer.