



This receiver has been designed to operate on a self-contained battery containing both the "B" battery (90 Volts) and the "A" battery (1 1/2 Volts) such as General #60B6L.

The battery cable coming from the receiver has been made long enough so that it may be used with larger batteries placed outside of the cabinet. Any one of the following batteries can be used with this receiver when they are placed on the outside of the cabinet: Eveready No 748, General No 60DL-11 L, Burgess No 17G-D60 Ray-O-Vac No AB 82.

This model is a 4-Tube Superhetrodyne radio receiver designed to cover a frequency range of from 540 kilocycles to 1725 kilocycles (KC). The tubes used are —

1A7 GT—Osc Converter
1N5 GT—I F Amplifier

1H5 GT—AVC Det Audio Amplifier
3Q5 GT—Power Output

ALIGNMENT PROCEDURE

With an output meter connected across the voice coil of the speaker, the output meter reading for 50 milliwatts is 4 volts using a signal which is modulated 30% at 400 cps. Follow through the procedure as outlined below for proper alignment.

Connect the signal generator to the grid cap of the 1A7 GT Tube through a 1 MFD Condenser. Connect the ground lead of the generator to the chassis. Adjust the signal generator to 455 KC and set the variable condenser of the receiver to minimum capacity (fully opened). With the volume control full on and minimum output from the signal generator adjust the two trimmers on the first and second I.F. transformers for maximum output.

Now connect the signal generator to the antenna connection of the receiver through a 00025 condenser. Adjust the signal generator frequency to 1725 KC. and set the variable condenser to minimum capacity (fully opened), and adjust the oscillator trimmer (C1B) for maximum output. Set signal generator to 1500 KC and tune receiver to signal. Adjust the antenna trimmer (C1A) on the variable condenser for maximum output.

