



This is a five tube, single band, superheterodyne receiver, incorporating a built-in loop antenna and four inch P.M. type speaker. Tuning range is 540 to 1600 kc, and the receiver is designed for either 117 volt—25-60 cycles A.C. or 117 volt D.C. line operation and consumes approximately 30 watts of power.

ALIGNMENT PROCEDURE

Remove the two control knobs, dial scale, and screws from bottom of cabinet. Now remove the three lower screws in cabinet back and drop back out of two top retaining clips. Pull chassis out of cabinet. Replace the dial on gang shaft, in correct position. For alignment use a signal generator and output meter. Connect meter across V.C. terminals on speaker. Turn volume control full on and use weakest signal from generator which will give a readable output. Proceed with alignment as follows.

- (1) Using a .1 mfd. dummy antenna, connect signal generator between B—and antenna section (rear) of gang condenser.
- (2) With gang fully open and signal generator set at 455 kc adjust iron cores in 1st I.F. transformer and then in 2nd I.F. transformer for maximum output. Do not repeat 1st I.F. transformer.
- (3) Set gang condenser so that indicating mark for 1500 kc is directly above gang shaft. Tune signal generator to 1500 kc and adjust trimmer on oscillator section (front) of gang condenser to bring in signal.

Note: No figures appear on dial scale to indicate 1500 kc. This is first large division mark after 1400 kc. Last mark on dial scale represents position of 1600 kc.

- (4) Using a standard dummy antenna connect signal generator to antenna lead (blue wire) at rear of chassis. Set dial scale and signal generator at 1500 kc as in (3) and peak trimmer on antenna section of gang for maximum output.