

## ADJUSTMENTS

### R-f Alignment

An oscillator with frequencies of 455 and 1600 kc is required.

An output meter should be used across the voice coil or output transformer for observing maximum response.

Always use as weak a test signal as possible when aligning the receiver.

### Location of Coils and Trimmer Adjustments

The first i-f transformer is located next to the output transformer.

The trimmers are accessible through holes in top of the can.

The second i-f transformer is located between the 1T4 and 1S5 tubes. The single trimming core screw extends from the end of the can.

The oscillator coil is located next to the first i-f transformer. The trimmer for the oscillator is located on the smaller variable condenser section.

The 600 kc oscillator core adjustment is the brass screw protruding from the end of the oscillator coil.

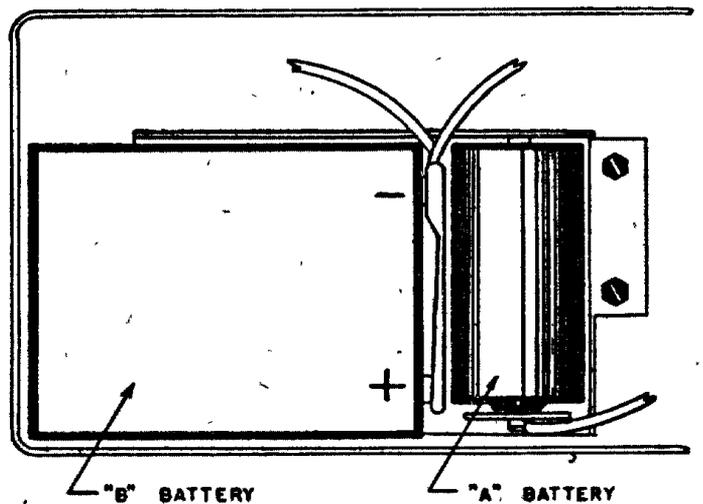
The loop antenna acts as the antenna coil. Trimmer for the loop is located on the larger section of the variable condenser.

### I-f Alignment

Rotate variable condenser to minimum capacity position.

Feed 455 kc to the grid of the 1R5 tube through a 0.01 mf condenser. Adjust the three i-f trimmer screws for maximum response. (Clip the i-f input to the stator lug of the larger variable condenser section.)

Set the dial pointer at 160. Set the signal generator at 1600 kc and feed its output into a loop of wire about one foot in diameter. Hold this radiating loop about one foot away from and parallel to the receiver loop antenna. Advance the output of the generator until deflection is obtained on the output meter. Adjust first the oscillator trimmer (smaller section of variable condenser) then the antenna trimmer (larger section of variable condenser) for maximum response. Set the dial pointer at 60. Feed 600 kc and rock the variable condenser while adjusting the oscillator core adjustment for maximum response. Return to 1600 and check alignment. If re-adjustment is necessary return to 600 and repeat entire procedure.



Place Batteries on Shelf, as Illustrated