



Fig 1 Tube, Trimmer and Battery Locations

ALIGNMENT PROCEDURE

(See schematic diagram)

The following alignment procedure is for use only by competent servicemen having the proper equipment.

The alignment should be made with volume control fully on and the output from the signal generator as low as possible to prevent AVC action from interfering with correct alignment.

With the 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 400 c.p.s.

Adjust all trimmers for maximum output. Repeat alignment procedure given below as a final check.

For alignment points refer to Figure No. 1.

CAUTION This is an A C D C receiver and if alignment is made with the receiver connected to 117 volts AC or DC it is necessary to isolate the signal generator or the receiver from the line by use of a transformer or place a 2 MFD condenser in both test leads of the Signal Generator.

Position of Variable	Generator Frequency	Dummy Ant Mfd	Generator Connections	Trimmer Adjustment	Trimmer Function
Fully open	455 KC	1	*1R5 Gnd (Stator of C1A)	T2	Output IF
Fully open	455 KC	1	*1R5 Gnd (Stator of C1A)	T1	Input IF
Fully open	1600 KC	1	*1R5 Gnd (Stator of C1A)	C1B	Oscillator
Tune in signal from generator	1400 KC	—	Loosely coupled to loop	C1A	Antenna

*Connect ground lead of signal generator to common negative

1R5—Mixer, Oscillator

1U4—IF Amplifier

1S5—Detector and 1st Audio

3V4—Power output