



SEPTEMBER 11, 1941

## ALIGNMENT PROCEDURE

## PRELIMINARY:

Output meter connection . . . . . Across loudspeaker voice coil  
 Output meter reading to indicate 500 milliwatts . . . . . 1.25 volts  
 Generator ground lead connection . . . . . Receiver chassis  
 Dummy antenna value to be in series with generator output . . . . . See chart below  
 Connection of generator output lead . . . . . See chart below  
 Generator modulation . . . . . 30%, 400 cycles  
 Position of Volume Control . . . . . Fully clockwise  
 Position of Tone Control . . . . . HI  
 Position of Dial Pointer with variable fully closed . . . . . On first mark to left of 540 kc calibration mark.

POSITION OF VARIABLE	GENERATOR FREQUENCY	DUMMY ANTENNA	GENERATOR CONNECTION	TRIMMERS ADJUSTED (IN ORDER SHOWN)	TRIMMER FUNCTION	ANT. COUPLED APPROXIMATE MICROVOLTS
Open	455 kc	.1 mfd.	7H7 Grid	T2, T1	IF	--
Fully open	1720 kc	.00005 mfd.	Ant. Lead	C19B*	Oscillator	--
1400 kc	1400 kc	.00005 mfd.	Ant. Lead	C19A*	Antenna	80**

## IMPORTANT ALIGNMENT NOTES

\* C19-A and B are best adjusted when the receiver is in the cabinet, through holes provided in the back cover.

\*\* 120 microvolts per meter using standard Hazeltine alignment loop 24 inches from receiver loop.

For operation of the chassis outside the cabinet with the phonograph plug disconnected, connect a jumper wire across the two top terminals of the phono socket.

The alignment procedure should be repeated stage by stage, in the original order, for greatest accuracy. Always keep the output from the test oscillator at its lowest possible value to make the AVC action of the receiver ineffective.