



Alignment Instructions:

Equipment required: Modulated RF signal generator; output meter; insulated screw-driver. two .1 mfd 400 volt capacitors.

To insure proper alignment, a radiated signal will be required during part of the alignment procedure. To radiate a signal, connect a loop of about 6 inches in diameter (one turn of #14 or #12 wire) across the output of the signal generator, and place this loop parallel to the loop of the receiver to be aligned, at a distance of about 10 or 12 inches.

Connect the output meter and signal generator as follows:

Output meter: Connect across the speaker voice coil and turn the volume control to maximum (extreme clockwise position).

Signal generator: When the generator is not used to radiate a signal, connect the low side to the receiver chassis through a .1 mfd condenser, clip the high side to the point at which signal injection is required, and keep the output as low as possible. Proceed in the sequence shown in the alignment chart.

ALIGNMENT PROCEDURE CHART

STEP	CONNECT HIGH SIDE OF SIGNAL GENERATOR TO-	SET SIGNAL GENERATOR TO-	SET DIAL KNOB CALIBRATION TO (ALIGN WITH LINE ON CABINET)	ADJUST THE FOLLOWING FOR MAXIMUM OUTPUT. (KEEP SIGNAL FROM SIGNAL GENERATOR AS LOW AS POSSIBLE.)
1	R F SECTION OF VARIABLE CONDENSER IN SERIES WITH A .1MFD. 400 VOLT CONDENSER.	455 KC.	EXTREME CLOCKWISE POSITION (CONDENSER PLATES FULLY OPEN.)	L4, L3, L2 AND REPEAT IN SAME ORDER (1ST. AND 2ND. I.F. TRANSFORMERS.)
2	USE RADIATED SIGNAL	1600 KC.	1600 KC. (16 ON KNOB)	C2 (OSCILLATOR TRIMMER)
3	(CONNECT BOTH SIDES OF SIGNAL GENERATOR TO RADIATION LOOP)	1400 KC.	MAXIMUM SIGNAL (APPROX. 14 ON KNOB)	C1 (ANTENNA TRIMMER)
4		600 KC.	MAXIMUM SIGNAL (APPROX. 6 ON KNOB)	ADJUST L1 ROCK VARIABLE FOR MAXIMUM SIGNAL.
5	REPEAT STEPS 2, 3 & 4 AT LEAST TWICE TO INSURE MAXIMUM SENSITIVITY & PROPER DIAL TRACKING			

