NOBLITT-SPARKS INDUSTRIES, INC. MODEL 140P

ALIGNMENT PROCEDURE

PRELIMINARY:

Output meter connection ..... Across loudspeaker voice coil
Output meter reading to indicate 50 milliwatts (standard ouput) ..... .4 volts
Dummy antenna value to be used in series with generator output ..... See chart below
Connection of generator output lead ..... See Chart Below
Connection of generator ground lead ..... Floating ground
Generator modulation ..... 30% 400 cycles
Position of volume control ..... Fully clockwise
Position of dial pointer with variable fully closed..... Last mark at left end of dial

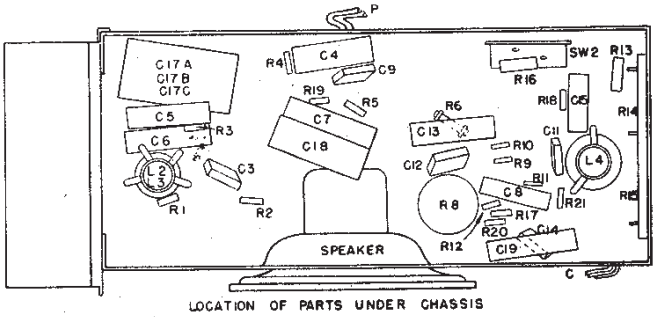
Position of Variable	Frequency of Generator	Dummy Antenna	Generator Output Connection	Trimmers Adjusted in Order Shown for Maximum Output	Function of Trimmer
Open	455	.05 mfd.	IR5 grid (Stator of C1)	Top of 2nd & 1st IF trans. T2 & T1	IF
1400	1400		*Test Loop	C2; C1, Trimmers on Variable Condenser	Osc. Ant.
600	600		*Test Loop	**Check Point	

*Standard Hazeltine Test Loop Model 1150 or 3 turns of wire about 6" in diameter, placed about one foot from the set loop.

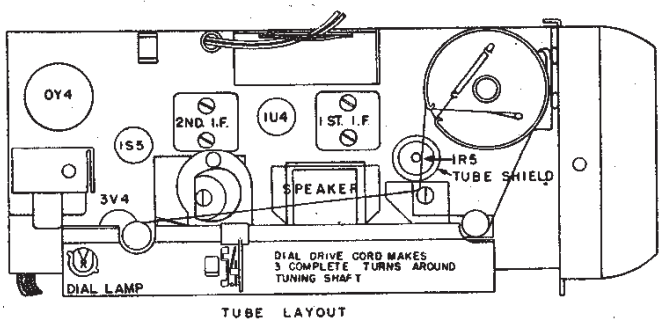
The alignment procedure should be repeated in the original order for greatest accuracy. Always keep the output from the signal generator at its lowest possible value to make the AVC action of the receiver ineffective.

CAUTION: While handling the set out of the cabinet, be careful not to bend the loop because any change in its spacing in respect to the aluminum plate will change the tracking of the antenne circuit with the oscillator.

**If the antenna stage does not track with the oscillator at 600 Kc, check to see if the loop is parallel with the aluminum plate. If it is necessary to straigten the loop to track the set at 600 kc, it will be necessary to retune the set to 1400 kc and repeat the alignment procedure in its original order until the correct spacing has been obtained. In some few cases, due to variations in the parts and wiring of the set, the loop may have to be bent slightly out or in to track the set, but usually the best tracking is obtained with the loop straight.



LOCATION OF PARTS UNDER CHASSIS



TUBE LAYOUT