MODELS 547, 547A, CHASSIS RE-242

NOBLITT-SPARKS INDUSTRIES, INC.MODELS 442,444AH, CHASSIS RE-91, RE-200

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PRELIMINARY:	4 1 1 1 1 1
Output meter connection	Across loudspeaker voice con
o died water was die a to indicate 900 milliprotte (standard Ollfolf)	0.0 70163
Dummy antenna to be in series with signal generator output	Floating ground
Connection of generator ground lead	30% 400 cycles
Generator modulation	Fully clockwise
Position of volume Control Position of pointer with variable fully closed	54 on dial
Dogition of pointer with variable fully closed	

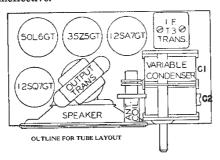
A ODITION OF BOUNDED								
Position of	Generator Frequency	Dummy Antenna	Generator Output	Trimmers Adjuster	Trimmer Function	Approximate Sensitivity		
Variable Open	455 Kc	.05 uf	Connection 12SA7 Grid (Stator of C-1)	2 trimmers on top of T-3	IF'	3000 uv		
1400 Kc	1400 Kc	.00005 uf	Antenna lug	**C-2	Oscillator	360 uv		

**Since the antenna section of the variable has no trimmer, the rotor of the variable should be rocked back and forth on both sides of 1400 Kc while adjusting the oscillator trimmer for maximum output. This is to obtain the combination of rotor and triner setting to give perfect tracking of the two sections of the variable condenser and consequently give maximum output.

Check sensitivity at 600 Kc. If weak, adjust antenna section plates for maximum output at 600 Kc. Tracking of the condenser at points other than 1400 Kc is accomplished by bending the outside plates on the variable condenser rotor, which are cut for this purpose. When bending plates to track the condenser at any given frequency, keep in mind the fact that this will affect the tracking at all frequencies below the point where the plates are bent. A tuning wand is very helpful in checking the tracking of this condenser, to indicate whether more or less capacity is needed.

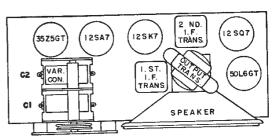
The alignment procedure should be repeated stage by stage in the original order for greatest accuracy.

Always keep the output from the test oscillator at its lowest possible value to make the AVC action of the receiver ineffective.



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maximum output.)



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ALIGNMENT PROCEDURE

PRELIMINARY: Output meter connection Output meter reading to indicate 200 milliwatts (standard output) Across	loudspeaker voice coil
Output meter reading to indicate 200 milliwatts (standard output) Dummy antenna to be used in series with generator output	See chart below
Dummy antenna to be used in series with generator output Connection of generator output lead Connection of generator ground lead	Floating ground
Connection of generator ground lead	30% 400 cycles
Generator modulation	Fully clockwise
Position of Volume Control	Horizontal
Position of dial pointer with variable fully closed Place the set loop in the same position with respect to the rear of the chassis, and the same	distance from the chas-
Place the set loop in the same position with respect to the real of the chassis, the	
sis as it would be with the set mounted in the cabinet.	

sis, as it	would be with the	set mounted in	tile capital		
Position of Variable Open	Frequency of Generator 455	Dummy Antenna .05 mfd.	Generator Output Connection 12SA7 Grid (Stator of C-1)	Trimmers Adjusted In Order Shown For Maximum Output Top of 2nd & 1st IF trans. T2 & T1	Function of Trimmer IF
1400	1400		*Test Loop	C2; C1, Trimmers on Variable Condenser	Osc. Ant.
600	600		*Test Loop	Check Point (If weak, adjust variable plates for	

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

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.