

Sparton Superheterodyne

CHASSIS - 8L9

MODEL - 121, 1058, 1059, 1060
1061, 1064, 1072

STEP BY STEP ALIGNMENT PROCEDURE

OPERATION	ALIGNMENT OF	GENERATOR CONNECTED TO	DUMMY ANT.	GENERATOR FREQUENCY	BAND SWITCH SETTING	TUNING COND. SETTING	TRIMMER	REMARKS
1.	Set dial pointer even with left-hand stop line with condenser gang closed.							
2.	Connect output meter across speaker terminals.							
3.	A.M. - I.F.	Pin #7 of 6BE6 Conv. Tube	.02 MFD. Cond.	456 KC.	A.M.	Open	T4 Sec. Slug	Max. Reading
							T4 Pri. Slug	Max. Reading
							T2 Sec. Slug	Max. Reading
							T2 Pri. Slug	Max. Reading
4.	Repeat operation #3.							
5.	A.M. - R.F.	A.M. Ant. On Cabinet	*	1500 KC.	A.M.	1500 KC.	G2B Osc. Tri.	Peak Accurately
1500 KC.				G2D Ant. Tri.			Peak Accurately	
6.								
7.	Repeat operations #5 and #6.							
8.	Check Calibrations at 600, 1000 and 1500 KC.							
10.	F.M. - I.F. Alignment using an A.M. Generator and Output Meter.							
11.	T5 F.M. Ratio Det.	Pin #1 of 2nd 6BA6 Tube	.02 MFD. Cond.	10.7 MC.	F.M.	Open	T5 Sec. Slug	Max. Reading
							T5 Pri. Slug	Max. Reading
12.	NOTE: Operations 11, 13, 14, 15, 18 and 19 must be made with generator output as low as possible, consistent with a usable output meter reading.							
13.	T3 2nd F.M. - I.F.	Pin #1 1st 6AB6 Tube	.02 MFD. Cond.	10.7 MC.	F.M.	Open	T3 Sec. Slug	Max. Reading
							T3 Pri. Slug	Max. Reading
14.	T1 1st F.M. - I.F.	Pin #8 on 7F8 Conv. Tube	.02 MFD. Cond.	10.7 MC.	F.M.	Open	T1 Sec. Slug	Max. Reading
							T1 Pri. Slug	Max. Reading
15.	Adjust secondary slug on T5 ratio detector transformer to minimum deflection or dip on output meter. Under certain conditions it is possible to adjust T5 sec. slug to minimum noise with the receiver tuned to a weak station. This operation is very critical and the receiver must be tuned to the center response only.							
16.	F.M. - R.F. alignment using an A.M. generator with frequencies of 88 to 108 MC. and a vacuum tube voltmeter, or D.C. voltmeter. (20,000 OHMS per volt).							
17.	Place meter across C32 elect. condenser. (Meter reading approx. 1 volt.)							
18.	F.M. - R.F.	F.M. Ant.	Match Gen. to 300 OHMS	106 MC.	F.M.	106MC.	C39 Osc. Pri.	Max. A.V.C.V.
							C2C Ant. Tri.	Peak Accurately
19.	Check calibration at 88 MC.							

* Use standard dummy antenna

