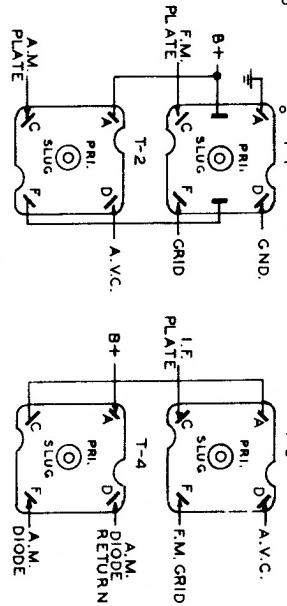
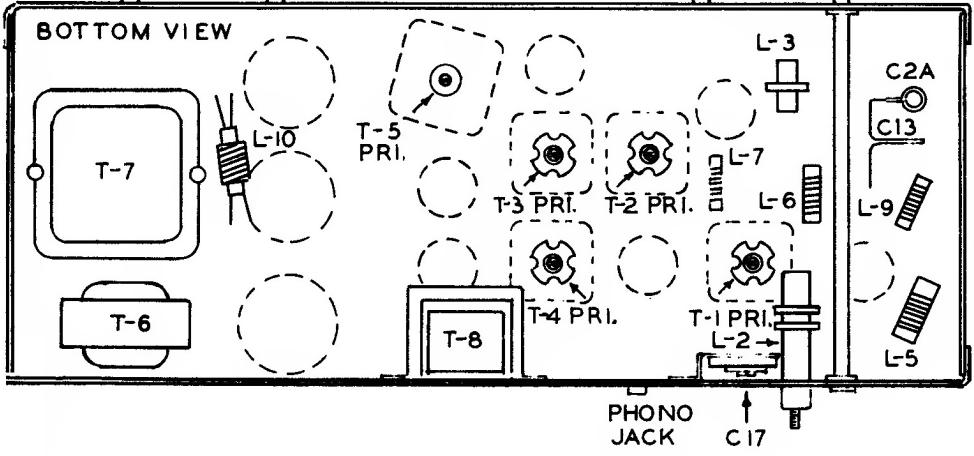
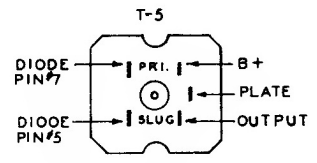


SPARTON SUPERHETERODYNE CHASSIS TYPE 8M10

MODELS 141X, 142X, 1040X, 1041X

Sparton Chassis 8M10, used in Models 141XX, 142XX, 1040XX, 1041XX, 1085, 1086, 1090, and 1091, electrically is almost identical to the chassis described on this page and on the next page (over).

SPECIAL NOTE: THESE TRANSFORMERS SUPPLIED IN COMPLETE ASSEMBLIES ** REPLACE ONLY WITH TEMPERATURE COEFFICIENT AS INDICATED.



SPARTON SUPERHETERODYNE RADIO RECEIVER

CHASSIS TYPE 8M10 MODELS 141X, 142X 1040X, 1041X

OPERATION	ALIGNMENT OF	GENERATOR CONNECTED TO	DUMMY ANT.	GENERATOR FREQUENCY	BAND SWITCH SETTING	TUNING COND SETTING	TRIMMER OR SLUG	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. Ant.		1500 KC.		1500 KC.	C2B Osc. Tri.	Peak Accurately
6.	A.M.-R.F.	On Cabinet	*	1500 KC.	A.M.	1500 KC.	C17 Ant. Tri.	Peak Accurately
7.	A.M.-R.F.	On Cabinet	*	600 KC.	A.M.	600 KC.	L-2 Slug	Max. Reading
8.	Repeat operations #5, #6 and #7.							
9.	Check Calibrations at 600, 1000 and 1500 KC.							
10.	SPECIAL NOTE: For complete F.M.-I.F. Visual Alignment instructions please refer to pages 9, 10, 11, 12, 13 and 14 of Bulletin 11, Manual 6.							
11.	F.M.-I.F. Alignment using an A.M. Generator and Output Meter.							
12.	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
13.	NOTE: Operations 11, 12, 14, 15, 18 and 19 must be made with generator output as low as possible, consistent with usable output meter reading.							
14.	T3 2nd. F.M.-I.F.	Pin #1 1st 6BA6 Tube	.02 MFD. COND.	10.7 MC.	F.M.	Open	T3 Sec. Slug	Max. Reading
							T3 Pri. Slug	Max. Reading
15.	T1 1st F.M.-I.F.	Pin #8 on 12AT7 Mixer Tube	.02 MFD. COND.	10.7 MC.	F.M.	Open	T1 Sec. Slug	Max. Reading
							T1 Pri. Slug	Max. Reading
16.	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.							
17.	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).							
18.	Place meter across C36 elect. condenser. (Meter reading approximately 1 volt)							
19.	F.M.-R.F.	F.M. Ant.	Match Gen. To 300 Ohms	106 MC	F.M.	106 MC.	C2A Osc. Tri.	Max. Reading
							C2C Ant. Tri.	Peak Accurately
20.	Check Calibration at 88 MC.							

*Use standard dummy antenna

