

SPARTON RADIO

THE SPARKS-WITHINGTON COMPANY

STEP BY STEP ALIGNMENT PROCEDURE

CHASSIS TYPE 5C3

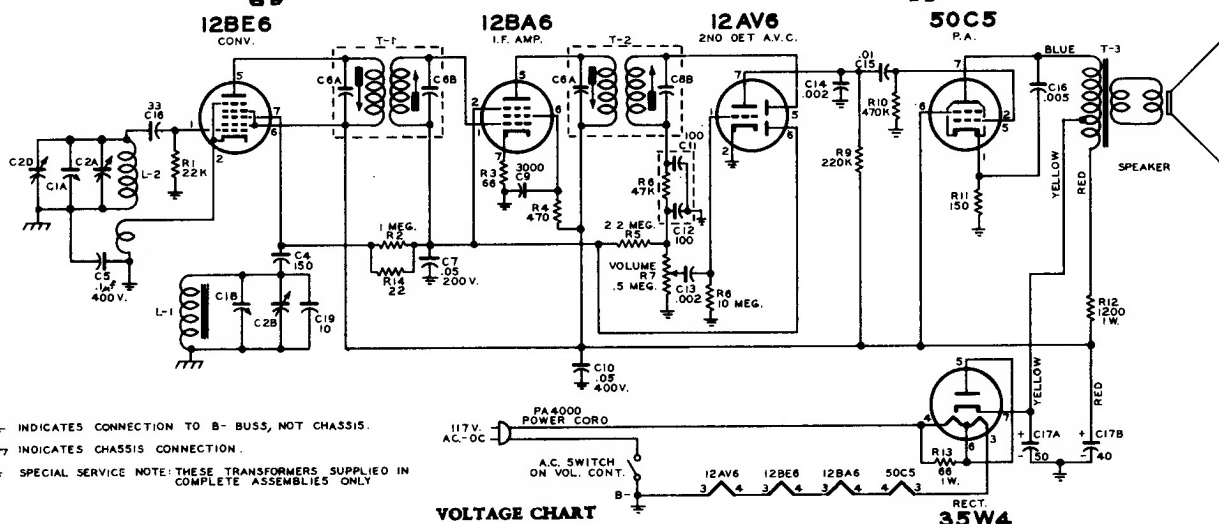
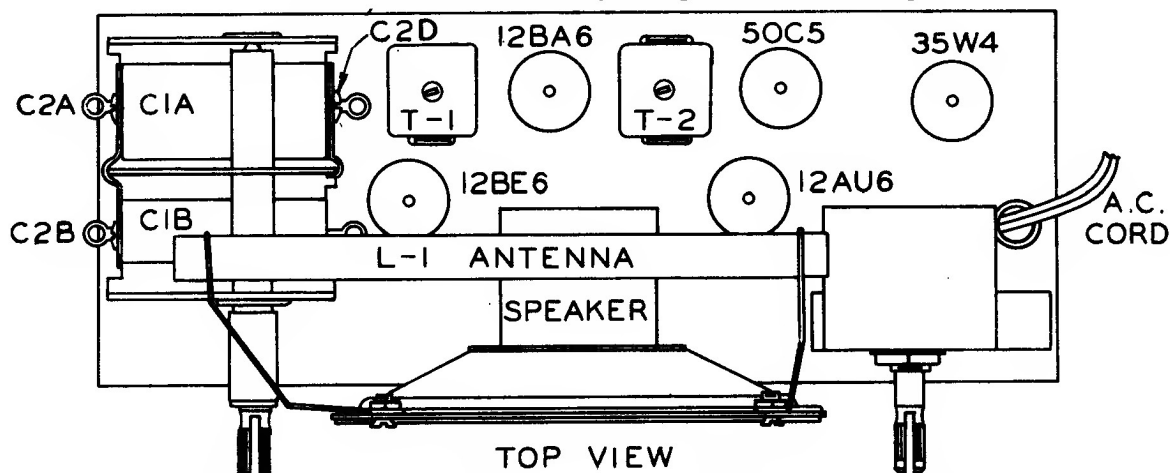
MODELS 342,
345 & 349

OPER- ATION	ALIGNMENT OF	GENERATOR CONNECTED TO	DUMMY ANTENNA	GENERATOR FREQUENCY	TUNING COND. SETTING	TRIMMER	REMARKS
1.	I.F.	Pin #7 on 12BE6	.02 MFD. Cond.	456 KC.	Fully Open	Slug T-2 Top & Bottom	Peak Accurately
						Slug T-1 Top & Bottom	Peak Accurately
2.	Broadcast	*	Driver Loop	1500 KC.	1500 KC.	C2A Osc. Tr.	Peak Accurately
						C2D Osc. Tr.	**
						C2B Ant. Tr.	***
3.	Repeat operations 1 and 2						
4.	Check calibrations at 600, 1000 and 1500 KC.						

* Use driver loop.

** Trimmer C2D as shown on schematic is preset at factory and only on certain conditions will have to be re-adjusted in the field. This trimmer is located on side of gang.

*** Rock dial while adjusting for maximum output.



⊥ INDICATES CONNECTION TO B- BUSS, NOT CHASSIS.

⏏ INDICATES CHASSIS CONNECTION.

* SPECIAL SERVICE NOTE: THESE TRANSFORMERS SUPPLIED IN COMPLETE ASSEMBLIES ONLY

VOLTAGE CHART

Line Voltage: 117 Volts AC		Position of volume control: Full with set tuned to quiet channel.							
TUBE	FUNCTION	Voltage of Sockets Prongs to B- See Prong Nos. on Schematic.							
		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
12BE6	Converter	**	0	23*	11.5*	95	95	**	
12BA6	I.F. Amp.	**	0	23*	34.5*	95	93	0.55	
12AV6	2nd Det. & Audio Amp.	**	0	11.5*	0	**	0	48	
50C5	Power Amp.	6.3	0	84.5*	34.5*	0	95	115	0
35W4	Rectifier	0	118	84.5*	117*	117*	108*	120	

* AC Volts.

** Cannot be measured with 20,000 ohms per volt voltmeter.