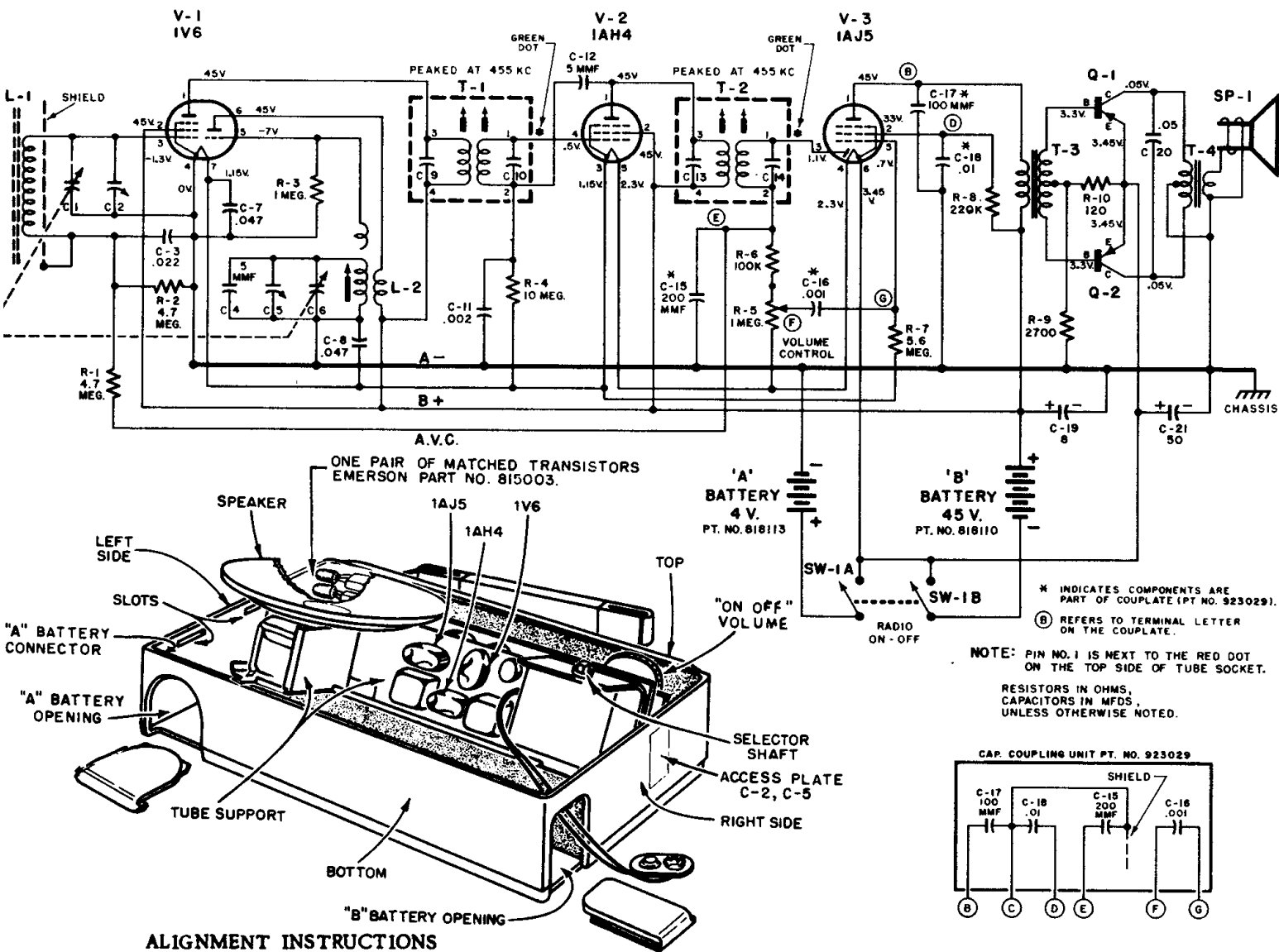


EMERSON RADIO Model 838, Chassis 120274



## ALIGNMENT INSTRUCTIONS

Volume control should be at maximum; output of signal generator should be no higher than necessary to obtain an output reading.

**NOTE:** C-5, C-2, and L-2 must be adjusted with the chassis and batteries in the cabinet. C-5 and C-2 can be adjusted by removing a small plate on the side of the cabinet by pressing it out from the inside.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 mfd.	High side to pin 3 (grid) of 1V6. Low side to chassis.	455 KC.	Tuning condenser fully open.	Across voice coil	T2 and T1	Adjust top and bottom of each for maximum output.
2		Use a loop set perpendicular and about 20" from center of bar loop ant. in set.	1640 KC.	Tuning condenser fully open.	Across voice coil	C-5 (osc. trimmer)	Fashion loop of several turns of wire and radiate signal into bar loop of receiver. Adjust for maximum output.
3		"	1400 KC.	Tune for maximum output.	Across voice coil.	C-2 (Ant. trimmer)	Adjust for maximum output.
4		"	600 KC.	Tuning condenser set for 600 KC.	Across voice coil.	Osc. slug in L-2	Rock the variable cond. each side of 600 KC while adj. osc. slug for maximum response.
5		"	1640 KC.	Tuning condenser fully open.	"	C-5 Osc. trimmer	If readjustment is necessary repeat steps 2 to 4 until no further improvement is noted.