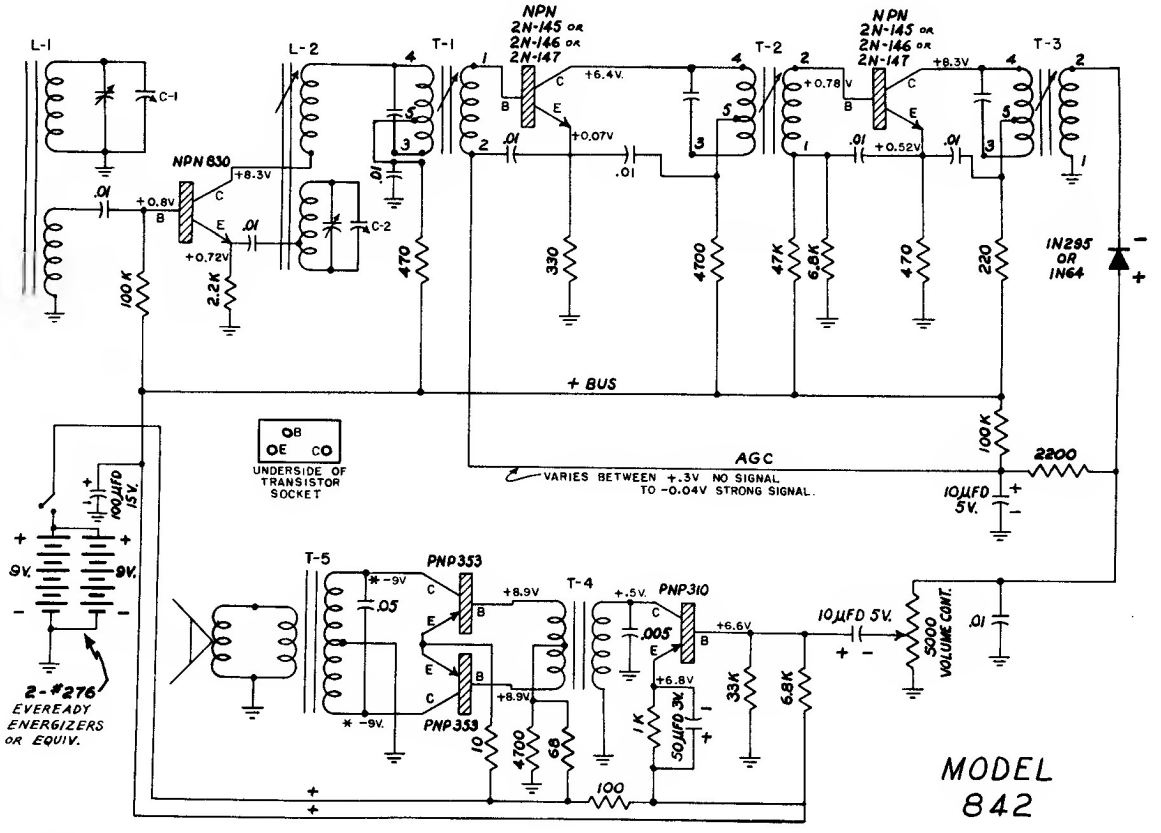
EMERSON RADIO Model 842, (Portable Transistor Radio



*INDICATES GROUND LEAD OF V.T.V.M. CONNECTED TO B+ SIDE OF ENERGIZER

CONDITIONS FOR VOLTAGE READINGS

1. Voltages indicated are positive unless otherwise indicated.
2. Measurements made with voltohmyst or equivalent.
3. All measurements taken from pin to chassis unless otherwise indicated.

ALIGNMENT INSTRUCTIONS

Volume control should be at maximum; output of signal generator should be no higher than necessary to obtain an output reading. Use an insulated alignment screwdriver for adjusting.

	DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	OUTPUT METER	ADJUST	REMARKS
1	.1 mfd.	High side to orange lead of bar loop antenna. Low side to chassis.	455 KC.	Tuning condenser fully open.	Across voice coil	T2, T3 and T1	Adjust for maximum output starting with T3.
2		Use a loop set perpendicular and about 20" from center of bar loop ant. in set.	1650 KC.	Tuning condenser fully open.	Across voice coil	C-2 (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-1 (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		"	1650 KC.	Tuning condenser fully open.	"	C-2 Osc. trimmer	If readjustment is necessary repeat steps 2 to 4 until no further improvement is noted.