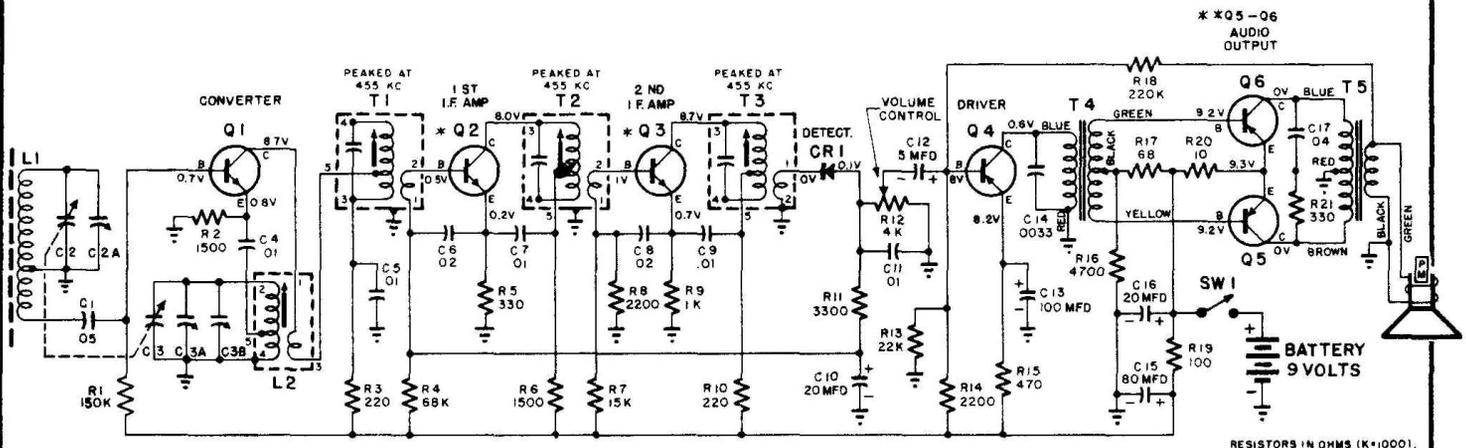


EMERSON RADIO Model 855, Chassis 120314



* EMERSON PT NO 815010 CALLED OFF FOR Q2 AND Q3 CAN BE EITHER TWO (2)-2N146 OR A 2N145 AND A 2N147 TRANSISTOR FOR REPLACEMENT PURPOSES HOWEVER, OUR PT NO 815010 WILL BE A 2N146 TRANSISTOR

* * IF ONE OF THESE TRANSISTORS Q5 OR Q6 BECOMES DEFECTIVE REPLACE BOTH OF THEM WITH A NEW MATCHED PAIR.

RESISTORS IN OHMS (K=1000), CAPACITORS IN MFD'S UNLESS OTHERWISE NOTED

NOTES

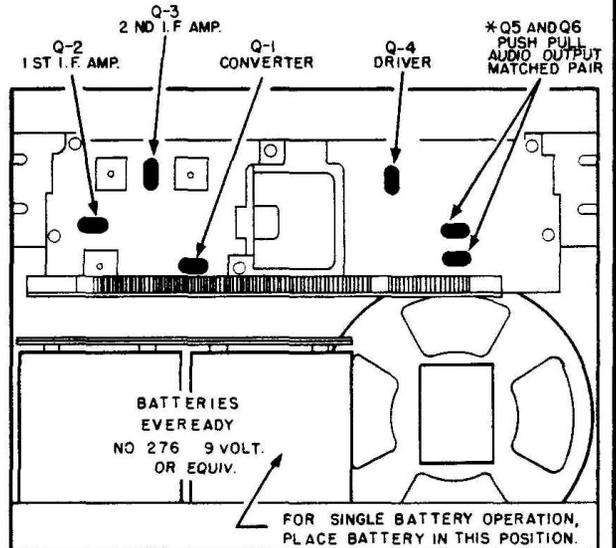
RESISTANCE READINGS

TURN SET "OFF" THEN REMOVE ALL TRANSISTORS BEFORE TAKING RESISTANCE READINGS

SYMBOL	TERMINAL B	TERMINAL C	TERMINAL E
Q-1	150K	3.4K	1500
Q-2	4K	4.8K	330
Q-3	1.9K	1K	3.4K
Q-4	4.5K	500	3.4K
Q-5	3.2K	19	3.2K
Q-6	3.2K	21	3.2K

RESISTANCE READINGS SHOWN ABOVE IN OHMS UNLESS OTHERWISE SPECIFIED

Voltages indicated are positive d.c., resistance is ohms. Measurements made with voltahmyst or equivalent. All measurements taken between points and chassis,



*NOTE IF ONE OF THESE TRANSISTORS Q5 OR Q6 BECOMES DEFECTIVE REPLACE BOTH OF THEM WITH A NEW MATCHED PAIR

ALIGNMENT INSTRUCTIONS

Volume control should be at maximum; output of signal generator should be no higher than necessary to obtain an output reading with a 30% audio modulated R.F. 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 junction of L-1 & C-2. 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-3A (osc. trimmer) See note below	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-2A (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-3A Osc. trimmer	If readjustment is necessary repeat steps 2 to 4 until no further improvement is noted.

NOTE: C-3A is the oscillator trimmer capacitor, physically located on the bottom side of the tuning capacitor when the chassis is mounted in its case. Both C-3A and C-2A can be reached through cutouts in the antenna mounting board. C-3B is the alternate oscillator trimmer capacitor and is factory adjusted for minimum trimmer capacity requirements.