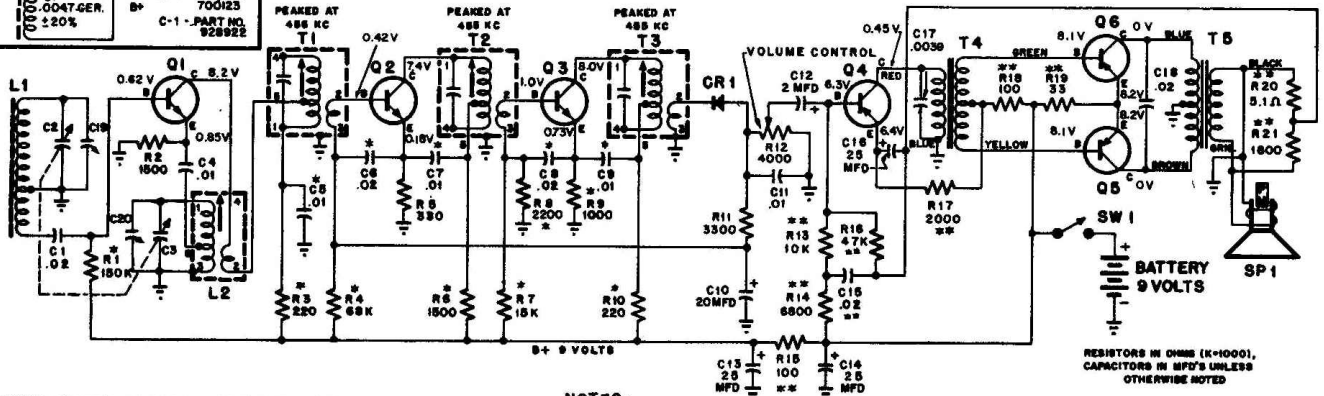
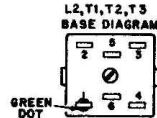
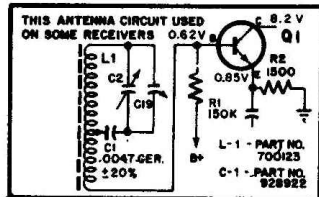


EMERSON RADIO & PHONOGRAPH CORPORATION

MODEL 849

CHASSIS 120324



NOTE:
* COMPONENT MOUNTED ON ETCHED WIRED BOARD # 630181
** COMPONENT MOUNTED ON ETCHED WIRED BOARD # 630179

NOTES:
IF ONE OF THESE TRANSISTORS (Q5 OR Q6) BECOMES DEFECTIVE REPLACE BOTH OF THEM WITH A NEW MATCHED PAIR.

RESISTANCE READINGS

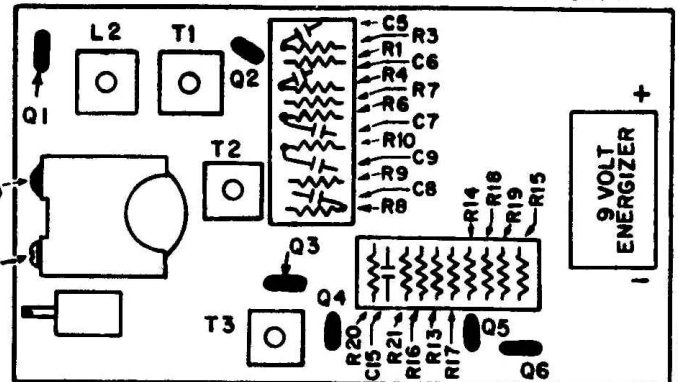
(TURN SET "OFF" THEN REMOVE ALL TRANSISTORS BEFORE TAKING RESISTANCE READINGS)

SYMBOL	TERMINAL B	TERMINAL C	TERMINAL E
Q-1	170K	*11K	1500
Q-2	4.5K	*13K	330
Q-3	2.2K	*11K	1K
Q-4	18K	600	*13K
Q-5	*12K	40	11K
Q-6	*12K	40	11K

RESISTANCE READINGS SHOWN ABOVE IN OHMS UNLESS OTHERWISE SPECIFIED.

*Wait approx. 1 minute till meter settles.

ENERGIZER - EVEREADY # 226 OR EQUIV.



ALIGNMENT, TRANSISTOR AND BATTERY LOCATION DIAGRAM

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.	1640 KC.	Tuning condenser fully open.	Across voice coil	C-20 (osc. trimmer)	Fashion loop of several turns of wire and radiates signal into bar loop of receiver. Adjust for maximum output.
3		"	1400 KC.	Tune for maximum output.	Across voice coil.	C-19 (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-20 Osc. trimmer	If readjustment is necessary repeat steps 2 to 4 until no further improvement is noted.