

EMERSON RADIO Model 880, "ATLAS," "EXPLORER," "VANGUARD,"
(For alignment points and transistor locations, see drawing on page 35)
Chassis 120485

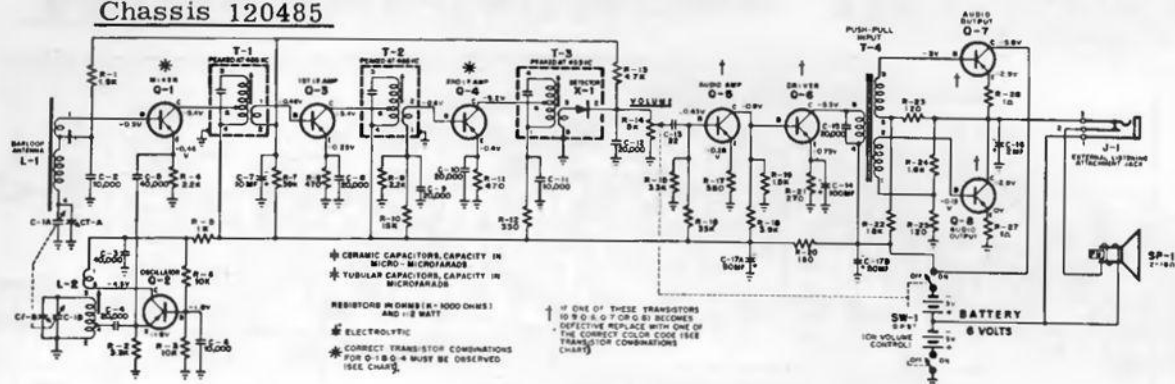


FIG. 6 - SCHEMATIC DIAGRAM, CHASSIS 120485 (VOLTAGE READING CONDITIONS)

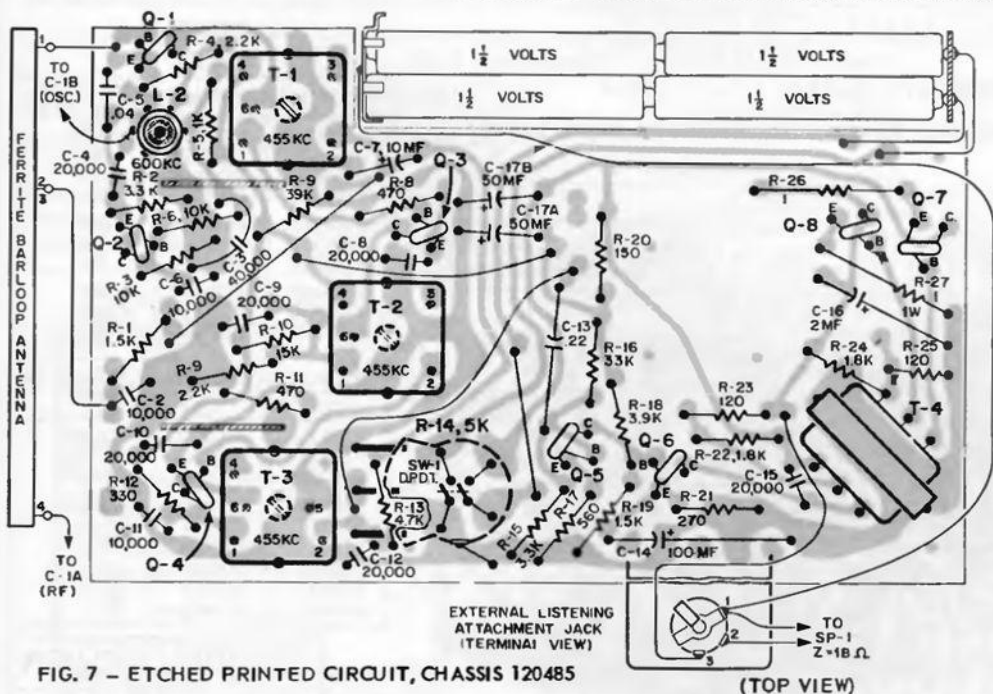


FIG. 7 - ETCHED PRINTED CIRCUIT, CHASSIS 120485 (TOP VIEW)

TRANSISTOR REPLACEMENT INFORMATION*

TRANSISTOR PAIRS

Q1	Q4
815051H	815054A
815051A	815054B

CONDITIONS FOR VOLTAGE READINGS

1. Voltages indicated are positive D.C.
2. All Measurements taken between points and chassis.
3. Voltage measurements taken with:
 - (a) VTVM
 - (b) Fresh 6 Volt battery supply. Four 1½ Volt conventional penlight cells.
Note: Should Mercury or Nickel-Cadmium batteries be used, an approx. 15% lower voltage reading will be obtained from the battery supply which is considered to be perfectly normal. Bear in mind that the voltage supply will vary slightly with the type and condition of batteries used.
 - (c) Volume control set for minimum volume.
 - (d) Variable capacitor fully closed and no signal applied.
5. Nominal tolerances in component values make possible a variation of ± 15% in readings.

Caution - When taking voltage checks, avoid accidental shorting across transistor leads as it may cause transistor damage. Do not use a non-vacuum tube-type voltmeter as the relatively low shunt resistance of this type of voltmeter can easily disrupt the transistor bias and result in erroneous readings as well as damage to the transistor.

Q-5 - 1ST AUDIO 815055	Q-6 - DRIVER 815056	Q-7 & Q-8 - OUTPUT 815057
ANY COLOR	Yellow Dot	Yellow Dot
	Green Dot	Orange Dot
	Blue Dot	Red Dot
	Violet Dot	Brown Dot

NOTE: * Because of the small physical size of the transistors, the 1st three digits, "815" have been replaced by the letter, "E" for Emerson. The "E" also signifies that these transistors have been made to our design tolerances.

These sets utilize an etched circuit board chassis 120374 and 120485 identified by part number 630225 and 630243 respectively. The part number can be found on the etched circuit side of board. A paper label located on the external connection jack, containing the last three digits of the chassis number, is another means of identifying the chassis.

CAUTION: As with all transistorized equipment, do not place close to a hot radiator nor keep in an unventilated area such as the rear window shelf in an automobile. High heat might cause damage.

Emerson

MODEL 888, "ATLAS," "EXPLORER," "VANGUARD,"
CHASSIS 120374 (See page 36 for Chassis 120485)

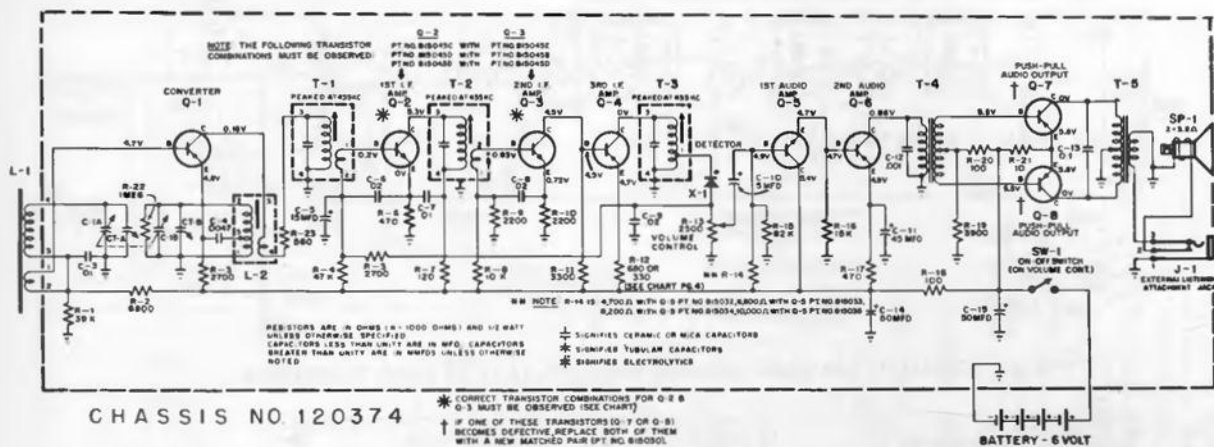


FIG. 1 - SCHEMATIC DIAGRAM, CHASSIS 120374
(VOLTAGE READING CONDITIONS ON PAGE 36)

TRANSISTOR PAIRS		ASSOCIATED R12
Q2	Q3	
815026C	815026A	680
815026B	815026B	680
815026B	815026D	680
815026C	815026E	680
815026D	815026E	680
815026C	815026F	330
815045C	815045E	680
815045D	815045B	680
815045D	815045D	680

TRANSISTOR SUBST.		TRANSISTOR NOS.
FOR	USE	
815026B	815026D	Q2/Q3
815026A	815026E	Q2/Q3
815026C	No subst.	Q2/Q3
815026F	No subst.	Q2/Q3
815028	815032	Q5
815031	815032	Q5
815033	815032	Q5
815034	815032	Q5
815035	815032	Q5

TRANSISTOR Q5	ASSOCIATED R14
815031	3,300
815028	8,200
815032	4,700
815033	6,800
815034	8,200
815035	10,000

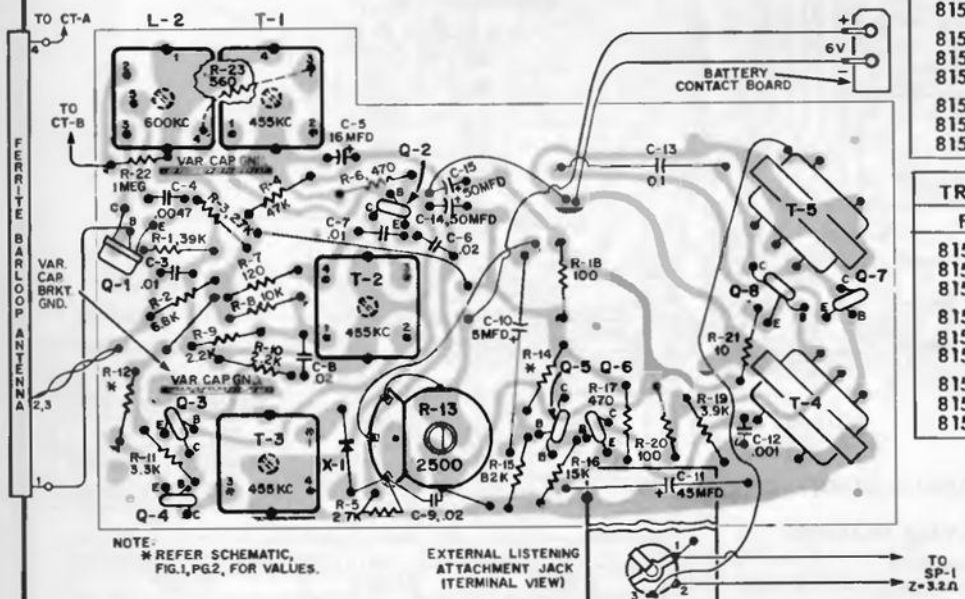


FIG. 2 - ETCHED PRINTED CIRCUIT, CHASSIS 120374

(TOP VIEW)

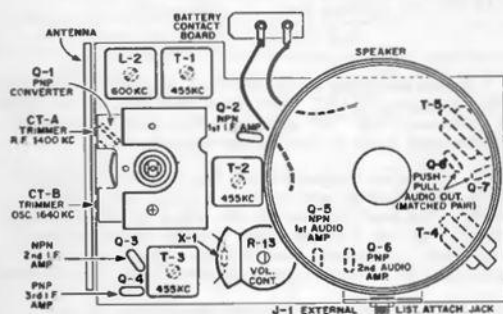


FIG. 4 - TRANSISTOR & ALIGNMENT POINT LOCATION, CH. 120374

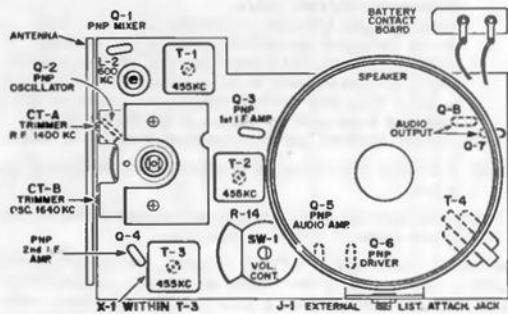


FIG. 5 - TRANSISTOR & ALIGNMENT POINT LOCATION, CH. 120485