

# Emerson Radio

MODEL 888  
"TRANSTIMER II"  
CHASSIS 120472

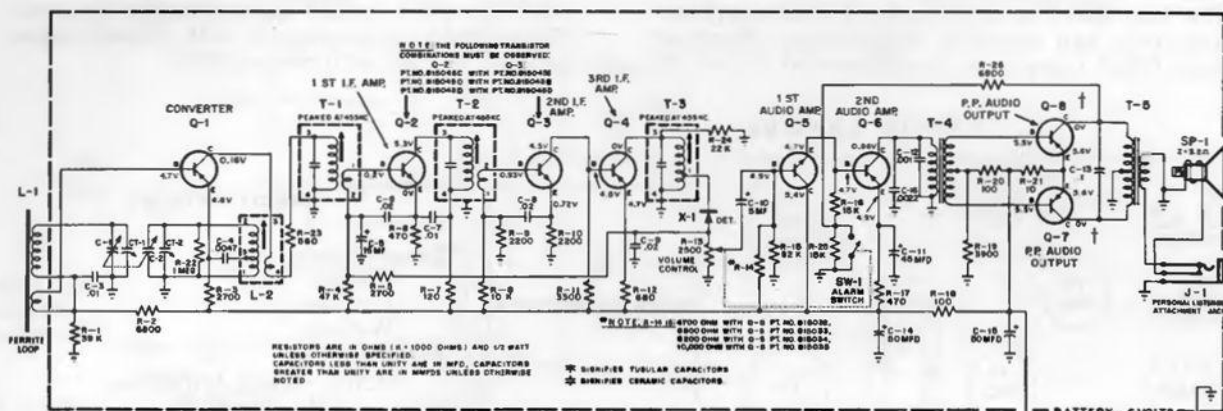


FIG. 2 - SCHEMATIC DIAGRAM, CHASSIS 120472

## ADDITIONAL TRANSISTOR INFORMATION

TRANSISTOR PAIRS		ASSOCIATED R-12
Q-2	Q-3	
815045C	815045E	680
815045D	815045B	680
815045D	815045D	680

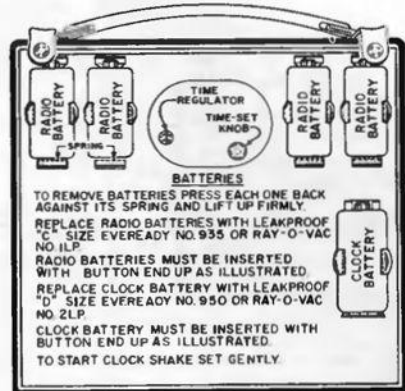


FIG. 1 - BATTERY & CLOCK INFORMATION

## GENERAL DESCRIPTION

Model 888 "TRANSTIMER II" is a completely self-powered 8-transistor superheterodyne portable clock-radio. The clock-timer, in conjunction with the associated circuitry will provide "automatic turn-on" of the radio or a "buzz-alarm". Either can be selected with the front panel control (switch on volume control). The buzz-alarm sound emitted by the speaker is created through regenerative feedback introduced by R-25 and R-26 in the last two audio stages (Re. figs. 2 & 3). Feedback voltage of the proper phase will only appear across R-25 when SW-1 is open, making the feedback from the output of Q-8 to the input of Q-6 effective. The manual on-off switch contained in the clock-timer will now turn the set ON or OFF since SW-1 is no longer used as the battery on-off switch.

## CLOCK-TIMER

The clock operates continuously on a separate leakproof "D" size battery. It will not operate initially until fiber insulator (included for shipping purposes) between battery and its contact is pulled out.

TO START CLOCK AFTER FIBER INSULATOR IS REMOVED, SHAKE SET GENTLY.

NOTE: IF ONE OF THESE TRANSISTORS (Q-7 OR Q-8) BECOMES DEFECTIVE, REPLACE BOTH OF THEM WITH A NEW MATCHED PAIR (PT. NO. 8150303)

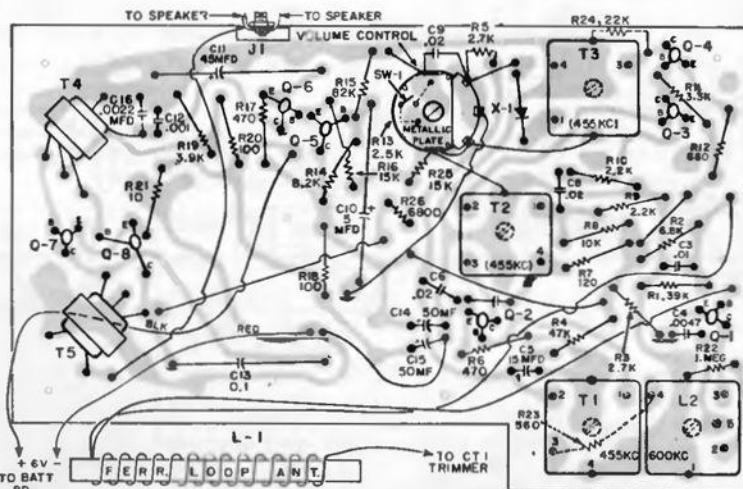


FIG. 3 - ETCHED PRINTED CIRCUIT CHASSIS 120472 (TOP VIEW)

## TIME-SET KNOB (On back of clock)

1. To set time, pull time-set knob out and turn it counter-clockwise only.
2. To set time for alarm (as indicated by Alarm Time Pointer) hold knob in and turn it clockwise only.

## CLOCK REGULATOR (On back of clock)

Insert a small coin into the slotted clock regulator knob, and turn it slightly in the direction of the arrow at the letter "F" if the clock is losing time. If the clock is gaining time, turn the knob slightly in the direction of the arrow at the letter "S".

## FOR RADIO AUTOMATIC TURN-ON, OR FOR BUZZ-ALARM

1. Turn Master-Control Switch on clock-face to "ON".
2. Set Station Selector to station desired.
3. To be awakened by the radio, pre-set the Alarm-Volume Knob to the volume desired.
4. To be awakened by the electronic buzz-alarm, pre-set the Alarm-Volume Knob to its extreme counter-clockwise position until a click is heard.
5. Push Time-Set Knob in and set Alarm-Time Pointer to time selected for radio or buzz-alarm to go on.
6. Set Master-Control Switch to "AUTO" position.

## TO TURN RADIO OFF AUTOMATICALLY (SLEEP SWITCH)

Turn Master-Control Switch to "OFF". Set Automatic "OFF" Switch (sleep) knob for any time up to 60 minutes. Radio will be turned off after playing the approximate amount of time indicated by the Automatic "OFF" knob. This feature is especially useful when using the radio after retiring at night.