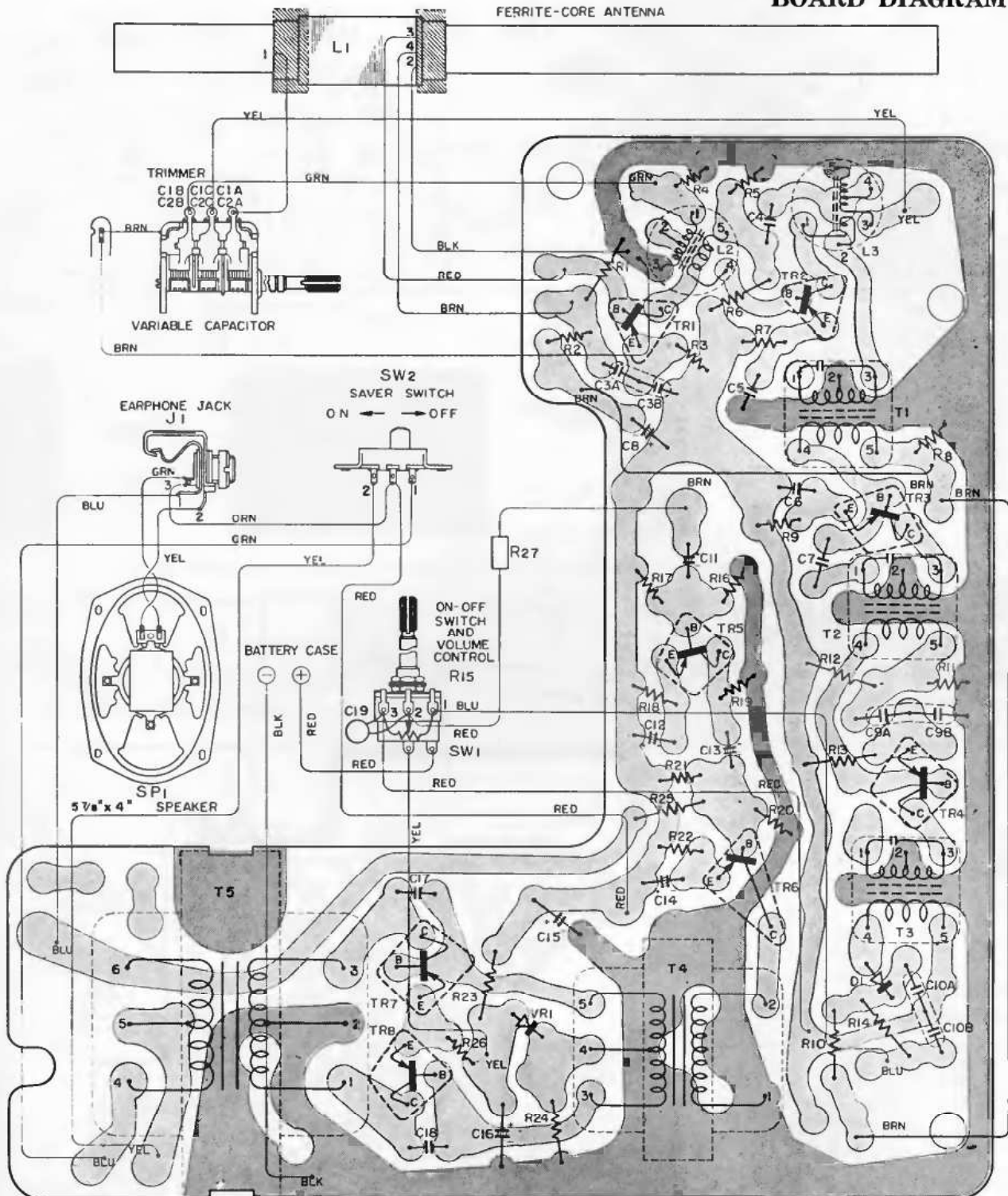


HITACHI Model TH-812, Continued from page at left.

BOARD DIAGRAM



Signal tracing by injection of a signal from a signal generator is recommended as test procedure. The signal generator should be connected in series with a capacitor to avoid shorting out bias voltages. Of the transistors used in this receiver, the BASE is the signal input terminal (corresponding to signal grid of tubes), the COLLECTOR is the signal output terminal (corresponding to plate of tubes), and the EMITTER is the common terminal (corresponding to cathode of tubes).

The output circuit used in this receiver is of "Class B" type. In "Class-B" output, the battery current increases greatly with increased signal input to the "Class-B" transistors.

Extreme care should be taken to avoid accidental shorting of transistor elements to circuit ground. This is especially true of the output transistors; if either BASE terminal is accidentally grounded for a few seconds, the output transistors will be permanently damaged.