

KENWOOD

ASB-1006

Service Bulletin

Amateur Radio Division

Subject: TS-850S Low/no Receiver Sensitivity

Date: January 22, 1993

Symptom:

Reports of low or no receiver sensitivity accompanied by a lack of audio from the speaker during CW or SSB modes might be caused by improper RXB voltage levels. Normal RXB voltage is +8 vdc during receive and 0 vdc during transmit. If you find approximately +2 vdc during receive you might suspect a problem with a leaking diode, D31 on the RF unit (X44-3120-00.)

Cause:

D31 is used as the transmit switching diode. Leakage of this diode is most probably caused by electrostatic surge or discharges from the antenna.

Parts Required:

D31:.....MI204.

Procedure:

A temporary cure for units that have already been manufactured is to replace D31 with an MI204 diode. Future production radios will change D31 to an LFB01 diode and incorporate a change in the printed circuit foil pattern to allow addition of a series diode, D103 (LFB01).

Caution: *This modification requires soldering equipment rated for CMOS type circuits. It also requires familiarity with surface mount soldering techniques. If you do not have the proper equipment or knowledge do not attempt this modification yourself. Seek qualified assistance.*

Time required for this modification is 30 minutes or less.

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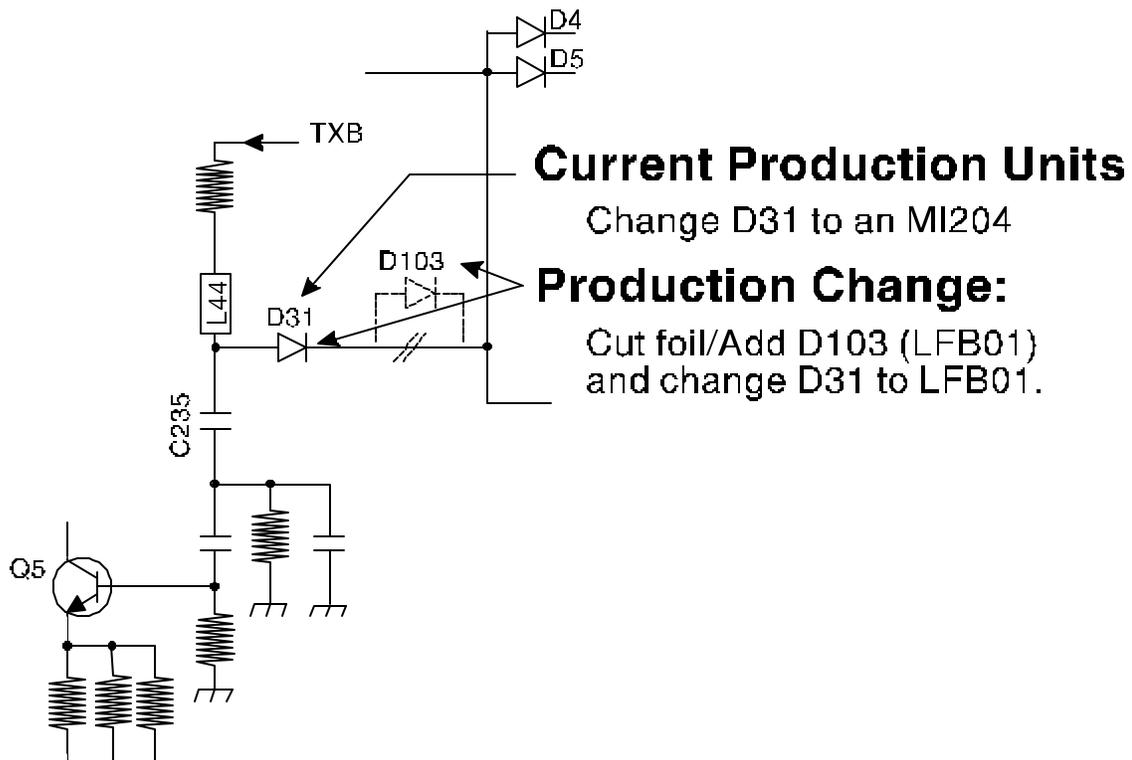
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