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Cobra 89XLR Technical Bulletin 1219

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SERVICE OPERATIONS GROUP

Cobra Communications

COBRA FIELD BULLETIN - 1219

SUBJECT: Burn out of TR-14 and TR-20 on Cobra 89XLR.

SYMPTOM I: Transmitter does not function.

CAUSE: Diode D-14 (IS2473) shorts, and damages transistor TR-14.

CORRECTIVE ACTION:

Remove D-14 and TR-14. Install an IS2471 Part No 151-088-9-001, as a replacement for D-14 (IS2473). Replace TR-14 with a new transistor.

NOTE: IS2471 has a higher breakdown voltage than original diode IS2473.

SYMPTOM II: Receiver does not function.

CAUSE: Transistor TR-20 does into self oscillation and destroys itself.

CORRECTIVE ACTION:

Cut copper foil, install a 56 ohm, 1/8 watt resistor, Part No 002-108-5-560, between base of TR-20 and junction of R-128, R-129, C-157, C-167 and R-130.

This modification is performed during warranty period when the customer complains. Radios with production numbers higher than 70030001 are factory equipped with these modifications.

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