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Option DM wiring error

Scope

This service bulletin applies only to 8528 International transceivers delivered in November 1995 and with the following serial nos.:

K3007; K3012 - K3016; K3022 -K3032

Background

Option DM is an internally fitted option within the 8528 transceiver and is used to control certain characteristics of the transceiver when used with Codan 9001/9002 Data Modems. It resides on the underside of the motherboard. Access is gained by removing the two cross head screws securing the bottom cover and removing the cover. The Option DM PCB resides on the left hand side of the transceiver as viewed from the front with the bottom uppermost. It has four flying leads interconnecting with other parts of the transceiver circuitry.

A recent design change to add plugs to the flying leads from the PCB forced a drawing change. Unfortunately an error has been uncovered whereby the two wires (one blue, the other black) being the flying lead to the right hand side of the Power Amplifier have been transposed in the connected header. This has resulted in the incorrect operation of the Data Mode (DM) switch

Remedy

Ensure power to the transceiver is disconnected. With the transceiver bottom cover removed, identify the black/blue flying lead from the Option DM PCB. Disconnect the lead at the Power Amplifier plug P5. With a scribe or similar type tool, push out the wire crimps from the header on the flying leads. Reinsert the crimps the opposite way around such that when the header is repositioned on the Power Amplifier plug P5, the black wire is closest to the rear panel of the transceiver.

If for some reason this is unable to be achieved then reverse the wires at the opposite end on the Option DM PCB stakes

Replace the bottom cover.