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DOES NOT CHANGE ORIGINAL APPROVAL

SERVICE BULLETIN

EQUIPMENT: RT-5000

DATE: January 18, 1999

BULLETIN NUMBER: WSB RT-5000-2

APPLICABILITY

This service bulletin applies to certain RT-5000 FLEXCOMM II TRANSCEIVERS P/N 400-015525-[] with Serial Numbers 2100-2113, and 2115-2125.

This applies to the following subassembly:

300-016260-0111 RT5000 DSP/LOGIC BOARD, Revision H/L.

REASON

This fixes the inoperative Digitally Coded Squelch (DCS) feature caused by a hookup error on the PN 300-016260-0111 Rev H/L, RT5000 DSP/LOGIC BOARD.

EFFECTIVITY

All RT- 5000 P/N 400-015525-[] units with serial numbers 2114 and 2126 and above shall have this modification incorporated during original manufacturing. Units with serial numbers 2099 and below do not need the modification.



DESCRIPTION

This modification consists of rework to the 300-016260 RT5000 DSP/LOGIC BOARD to fix a PCB hookup error. The rework involves cutting a PCB track, lifting two IC leads from their PCB pads, and adding two jumper wires.

COMPLIANCE

Recommended at customer convenience for those needing DCS operation.
Recommended at next scheduled maintenance period for all others.

WARRANTY INFORMATION

Units still in the warranty period may be returned for installation of this modification under the terms of the warranty agreement. Units should be sent to:

Wulfsberg Electronics Division
Attention: Repair and Overhaul Department
6400 Wilkinson Drive
Prescott, AZ 86301

APPROVAL

This modification does not affect the original approval.

REFERENCES

C-5000 Installation Manual, P/N 150-1355-000.

MATERIAL INFORMATION

The parts required to modify a RT-5000 per this Service Bulletin are available from Wulfsberg Electronics Division, at (502) 708-1518. The part numbers are as follows:

<u>ITEM</u>	<u>QTY</u>	<u>PART NUMBERS</u>	<u>DESCRIPTION</u>
1	A/R	16031-1	WIRE 28AWG WIRE WRAP
2	A/R	16012-3	LOCTITE ACCELERATOR & BONDER

MODIFICATION PROCEDURE

1. Remove the DSP/LOGIC BOARD from the RT-5000.

CAUTION

Any disassembly/assembly of the RT-5000 must be done at a static-safe workstation. Removed modules should be placed in antistatic bags when not installed in the unit.

2. Cut PCB track between RP3-5 and RP-7 on top side of PCB.
3. Lift IC lead from PCB pad on U5-27 and U11-7.
4. Install the following wire jumpers using Item 1 and secure using Item 2.
From U5-27 to U11-5
From U11-5 to RP3-5
5. Mark board with Service Bulletin number.
6. Install the DSP/LOGIC BOARD in to the RT-5000.

UNIT IDENTIFICATION PROCEDURE

None.

UNIT TESTING PROCEDURE

Perform a complete functional test of the unit in accordance with Section VI (System Checkout) of the C-5000 Installation Manual, P/N 150-1355-000.