



**Wulfsberg Electronics Division**  
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DOES NOT CHANGE ORIGINAL APPROVAL

# SERVICE BULLETIN

EQUIPMENT: C-5000

DATE: December 22, 1998

BULLETIN NUMBER: WSB C-5000-4

This bulletin supersedes all earlier versions.

## EFFECTIVITY

C-5000 P/N 31300-0X01-1\*\*\*, Mod 28 or below.

C-5000 P/N 31300-0X01-2\*\*\*, Mod 24 or below.

C-5000 P/N 31300-0X01-3\*\*\*, Mod 1 or below.

(where X = 1, 2, 3, or 4, and \* = any variations of circuit boards as allowed in the C-5000 Configuration Index Document (149-131300)).

## REASON

When this modification is installed, grounding pin 32 on connector P500 (the System Interface connector) will place all transceivers controlled by the C-5000 into the Direct mode. This allows switching between the Direct or Repeat modes via a customer installed external switch. Most aircraft installations do not require this modification.



## **DESCRIPTION**

This modification consists of soldering a wire between two locations on the System Interface Board.

## **COMPLIANCE**

Recommended at next scheduled maintenance period.

## **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.

## **MODIFICATION PROCEDURE**

1. Remove the bottom cover of the C-5000. The bottom cover is secured to the chassis by eight Phillips-head screws, four located on the left side and four located on the right side of the unit. See Figure 1.

### **CAUTION**

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

2. Remove the System Interface Board (the topmost board) from the chassis.
3. Connect pads E36 and E56 by soldering a wire approximately 0.75" in length between the two locations. See Figure 2. Use 28 gauge wire wrap wire, P/N 16031-1.
4. Reinstall the System Interface board.
5. Reinstall the bottom cover.



## **IDENTIFICATION PROCEDURE**

For a C-5000 P/N 31300-0X01-1\*\*\*, stamp *Mod 29* on the Software Mod label.

For a C-5000 P/N 31300-0X01-2\*\*\*, stamp *Mod 25* on the Software Mod label.

For a C-5000 P/N 31300-0X01-3\*\*\*, stamp *Mod 2* on the Software Mod label.

## **TESTING PROCEDURE**

Set up the C-5000 to display the "Control Display" page. Select a programmed channel configured for "Repeat" operation. Ground pin 32 on connector P500 by activating the customer installed external switch. The Repeat/Direct indicator should change from "rpt" to "dir".

## **MATERIAL INFORMATION**

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

<b><u>ITEM</u></b>	<b><u>QUANTITY</u></b>	<b><u>PART NUMBER</u></b>	<b><u>DESCRIPTION</u></b>
1	Approx. 0.75"	16031-1	28 gauge wire wrap wire