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DOES NOT CHANGE ORIGINAL APPROVAL

SERVICE BULLETIN

EQUIPMENT: C-5000

DATE: March 18, 1999

BULLETIN NUMBER: WSB C-5000-5 REVISION: C

APPLICABILITY

This service bulletin applies to all C-5000 Communication Management Controller P/N 31300-0X01-XXXX units. (X = any digit.)

This applies to the following subassemblies:

- 300-031320-01 C5000 SYSTEM INTERFACE BOARD, Revision AC/T and below.
- 300-031320-02 C5000 SYSTEM INTERFACE BOARD, Revision AC/L and below.

REASON

This modifies the C-5000 to provide short circuit protection for the AUX +15VDC and AUX +5VDC outputs. It prevents damage to the C-5000 when the outputs are inadvertently shorted to ground.

EFFECTIVITY

All C-5000 P/N 31300-[]-[] units with serial number 2647 and above shall have this modification incorporated during original manufacturing.



DESCRIPTION

This modification consists of rework to the 300-031320-01 or -02 SYSTEM INTERFACE BOARD which is associated with the C-5000 P500 connector. On the -01 BOARD version, one or two thermal fuse (thermistor) device(s) are added, depending upon the BOARD configuration. Two thermal fuse devices are added to the -02 board version.

COMPLIANCE

Recommended only for units in installations making use of the AUX +15VDC and/or AUX +5VDC outputs, such as those with OTAR or Motorola DVP/DES. 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.

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:

<u>ITEM</u>	<u>QTY</u>	<u>PART NUMBERS</u>	<u>DESCRIPTION</u>
1	2*	234-016658-01	THERMISTOR RXE075 PTC 0.75A
2	A/R	16005-1	ADHESIVE CLEAR SILICONE

* Most configurations of the 300-031320-01 BOARD only require one Thermistor.

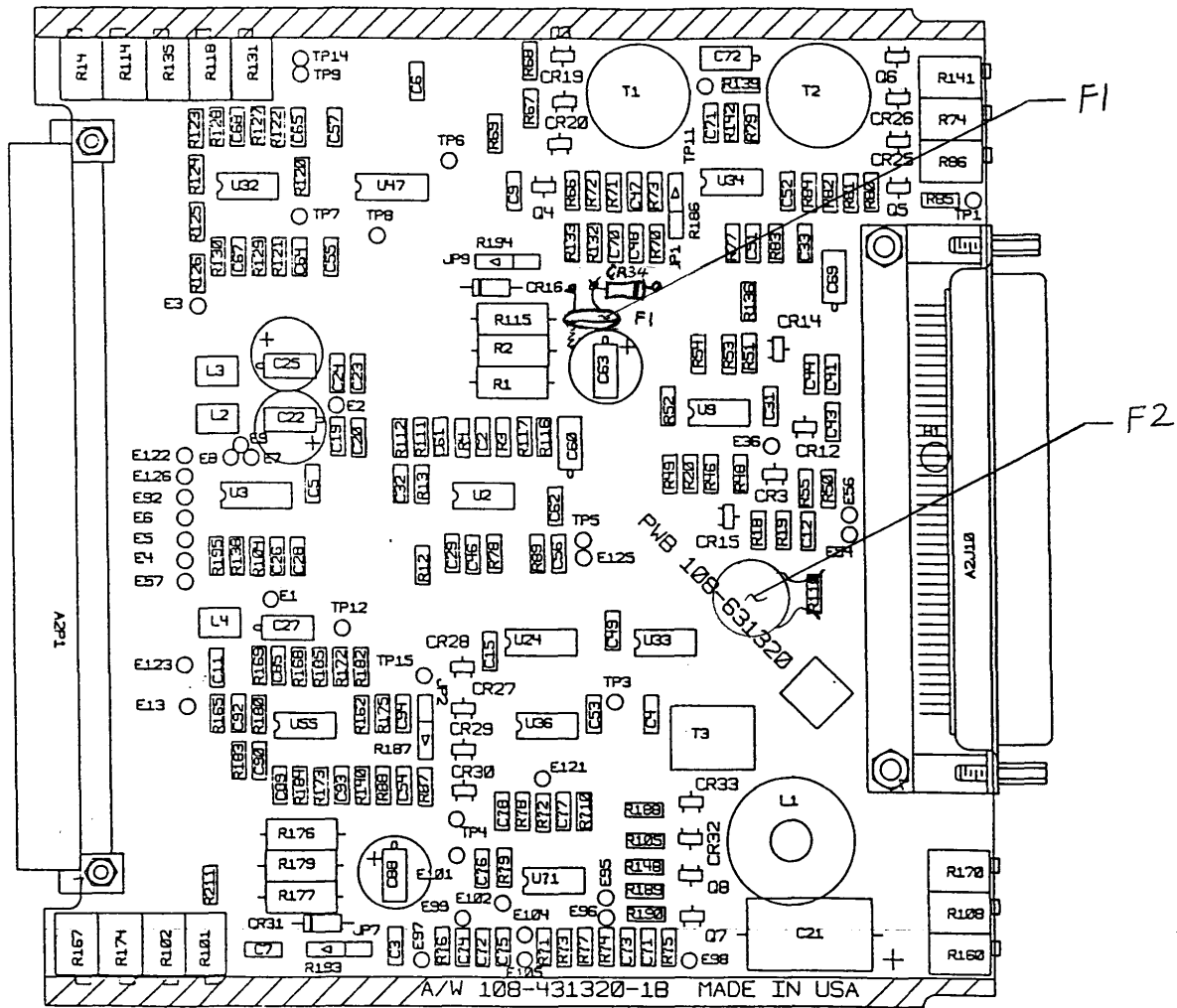
MODIFICATION PROCEDURE

1. Remove the SYSTEM INTERFACE BOARD from the C-5000.

CAUTION

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

2. Lift CR34 anode lead from PCB hole. Install F1 (234-016658-01 Thermistor) as shown in figure with one lead soldered to CR34 anode lead, the other in CR34 anode hole.
3. Check R110 location. If a chip is installed, remove it and install F2 (234-016658-01 Thermistor) in its place.
4. Use silicon glue (P/N 16005-1) to secure F1 to C63 and F2 to the board.
5. Mark board with Service Bulletin number.
6. Install the SYSTEM INTERFACE BOARD in to the C-5000.



UNIT IDENTIFICATION PROCEDURE

For a C-5000 P/N 31300-0X01-0XXX, stamp an X on the modification section of the Unit Modification Label to denote that MOD 28 is complete.

For a C-5000 P/N 31300-0X01-1XXX stamp an X on the modification section of the Unit Modification Label to denote that MOD 30 is complete.

For a C-5000 P/N 31300-0X01-2XXX stamp an X on the modification section of the Unit Modification Label to denote that MOD 26 is complete.

For a C-5000 P/N 31300-0X01-3XXX stamp an X on the modification section of the Unit Modification Label to denote that MOD 3 is complete.

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.