



Wulfsberg Electronics Division

A Chelton Group Company

6400 Wilkinson • Prescott, AZ 86301 • U.S.A.
Telephone: (520) 708-1550 • Fax: (520) 541-7627

Cognizant Engineer: *T. J. [Signature]*

DOES NOT CHANGE ORIGINAL APPROVAL

SERVICE BULLETIN

EQUIPMENT: C-5000

DATE: March 30, 1999

BULLETIN NUMBER: WSB C-5000-7 Revision A

APPLICABILITY

This service bulletin applies to C-5000 Communication Management Controller P/N 31300-0X01-XXXX units (X = any digit.) with serial numbers 2611, 2638, 2640 – 2647, 2650, 2652, 2653, 2655, 2659, or 2668.

REASON

This modifies the C-5000 to improve vibration tolerance of the C5000 DISPLAY/KEYBOARD ASSY.

EFFECTIVITY

All C-5000 P/N 31300-[]-[] units with serial number 2669 and above shall have this modification incorporated during original manufacturing.



DESCRIPTION

This modification consists of rework to the 300-031335-01 or -02 C5000 DISPLAY/KEYBOARD ASSY. Transistors Q5 and Q7 are replaced and installed with improved vibration tolerance.

COMPLIANCE

It is recommended that units with applicable serial numbers be returned for implementation of this service bulletin.

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	106-040090-01	XSTR 2N4401 NPN
2	A/R	16189-1	ADHESIVE RTV SILICONE

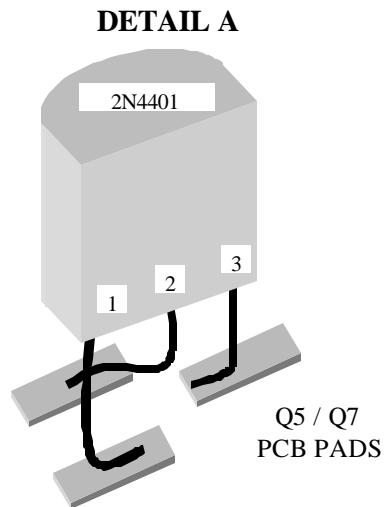
MODIFICATION PROCEDURE

1. Remove the KEYBOARD/DISPLAY ASSY from the front of the C5000 unit.

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. Remove transistors Q5 and Q7 from their PCB pads and discard. Remove any of their associated RTV adhesive.
3. Install leaded 2N4401 transistors (Item 1) on to Q5 and Q7 pads as follows:
 - Trim the (3) leads to approximately 0.15 inch.
 - Shape leads to install on pads approximately as in Detail A.
 - Lap solder leads to pads. Max. finished height: 0.3 inch.
4. Use silicon glue (Item 2) to secure Q5 and Q7 to the board.
5. Mark board with Service Bulletin number.
6. Install the KEYBOARD/DISPLAY ASSY on to the C-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.