



Wulfsberg Electronics Division
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Cognizant Engineer: 

DOES NOT CHANGE ORIGINAL APPROVAL

SERVICE BULLETIN

EQUIPMENT: C-5000

DATE: November 20, 1998

BULLETIN NUMBER: WSB C-5000-2

EFFECTIVITY

C-5000 P/N 31300-0X01-1***, Mod 27 or below.

C-5000 P/N 31300-0X01-2***, Mod 23 or below.

C-5000 P/N 31300-0X01-3***, Mod 0.

(where X = 1, 2, 3, or 4, and * = 2 or 3)

REASON

Software upgrade will add CTCSS tones 51 through 58 and 61 through 63 for use with RT-5000 transceivers incorporating Mod 18 or above.

Upgrade improves operation for C-5000s that have a 3 in the last three digits of the model number when using internal DCS and CTCSS tones.

DESCRIPTION

This modification consists of removing and replacing two EPROMS.



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 to access the Main Board. 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 EPROMS U201, P/N 106-816662-XX, and U208, P/N 106-816664-XX. See Figure 2.
3. Install updated EPROMS U201, P/N 106-816662-14, and U208, P/N 106-816664-14.
4. Reinstall the bottom cover.

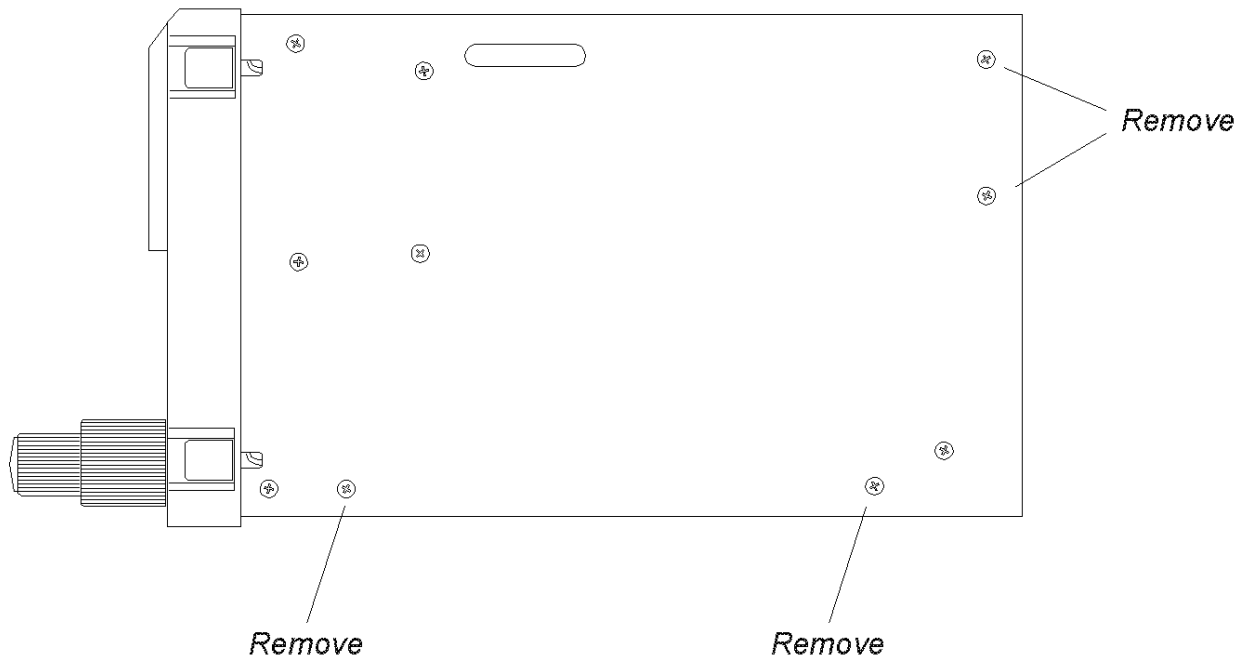


Figure 1. Screw Locations to Remove C-5000 Bottom Cover

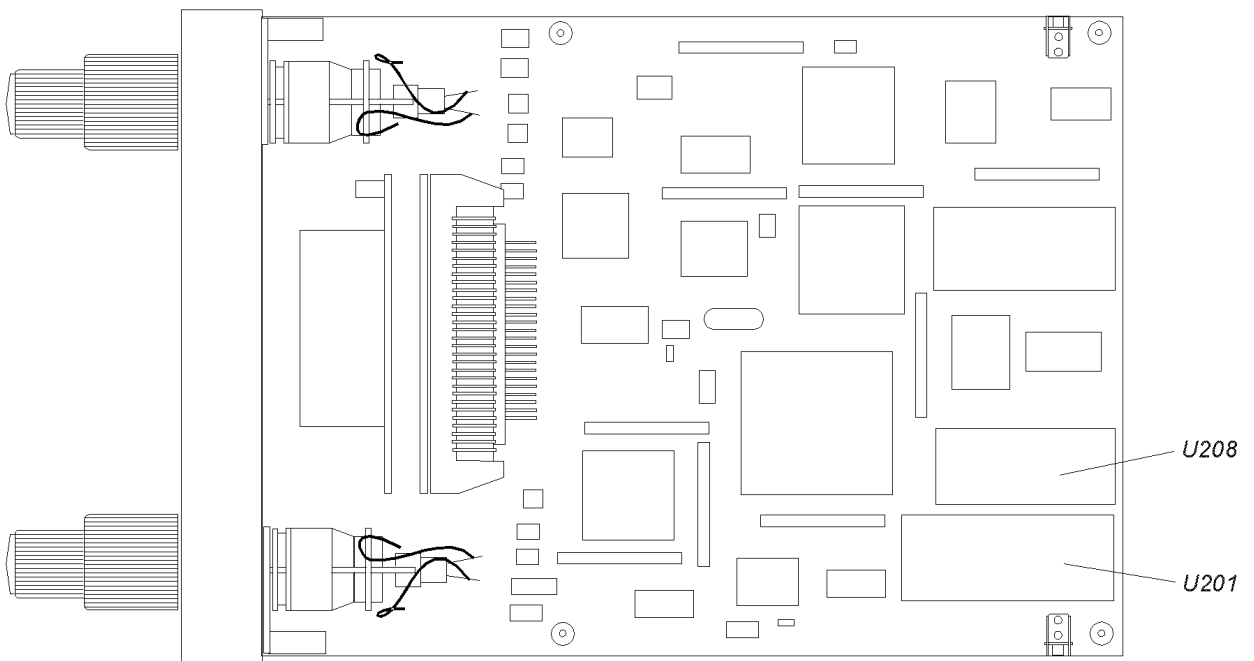


Figure 2. EPROM Locations

IDENTIFICATION PROCEDURE

For a C-5000 P/N 31300-0X01-1***, stamp *Mod 28* on the Software Mod label.

For a C-5000 P/N 31300-0X01-2***, stamp *Mod 24* on the Software Mod label.

For a C-5000 P/N 31300-0X01-3***, stamp *Mod 12* on the Software Mod label.

(where X = 1, 2, 3, or 4, and * = 2 or 3 in at least one position)

TESTING PROCEDURE

Perform a complete functional test of the unit in accordance with Section VI (System Checkout) of the Installation Manual.

In addition, when the unit is powered on, check to ensure that version number 2.14 is displayed after the copyright and part number messages.

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>QUANTITY</u>	<u>PART NUMBERS</u>	<u>DESCRIPTION</u>
1	1 each	106-816662-14	EPROM U201
2	1 each	106-816664-14	EPROM U208
3	1 each	156-017926-01	Label, Software Mod