GUIDANT

Transaction Data Storage

ComFlash Mass Storage Expansion Board

Application Bulletin

Issue/Rev. 0.0 (12/06) Bulletin AB06066

Overview

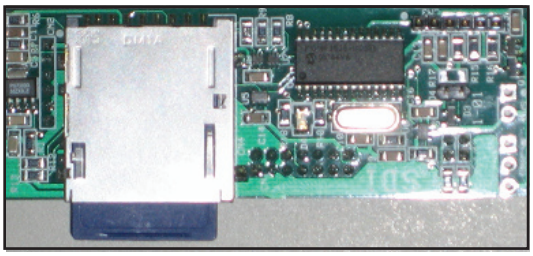
The ComFlash Mass Storage Expansion Board is an optional hardware feature for the AccuLoad III-X that provides additional non-volatile memory to store transaction data. The expansion board comes with a 512M SD card that has the capability of storing approximately 10,000+ additional transactions per arm. The ComFlash operates on Com4 and uses RS232 communications. The ComFlash also has the capability of alarming if the device is not operating correctly. (The ComFlash Alarm will be invoked when the interface driver fails to receive a response within a reasonable amount of time.)

The A3X also has the ability to operate (via Com4) both the memory expansion board and the Smith Meter™ Card Reader simultaneously. This option can be chosen by navigating through the system directory into the communications directory and setting the Com4 function to: 20 Card Reader/ComFlash.

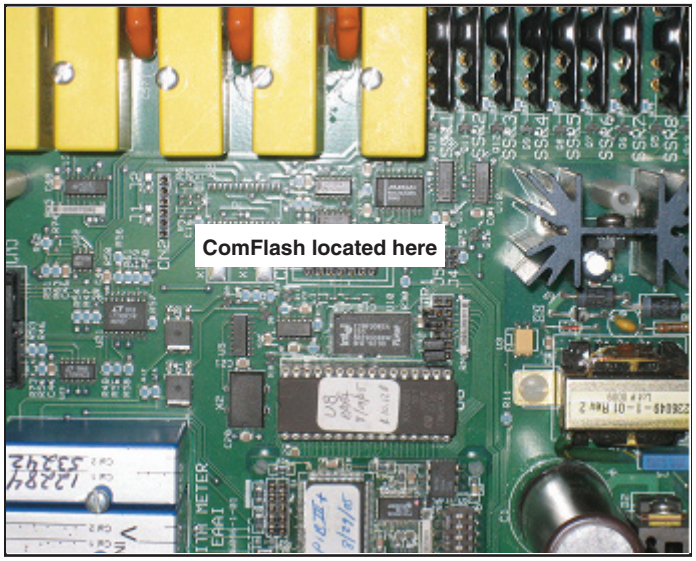
IMPORTANT: This option requires an EAAI board with a manufacture date year of 2006 or newer AND have firmware Rev. 10.13 or higher installed.

Installation of the ComFlash Data Storage Device

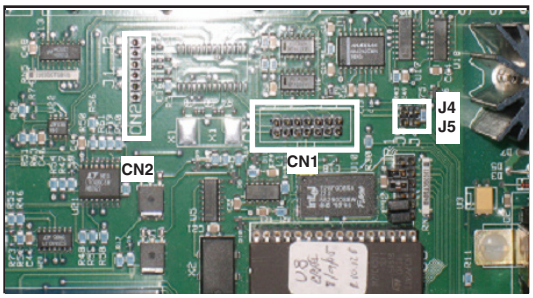
1. Make sure power to the AccuLoad is turned OFF.
2. Open the cover of the AccuLoad so that the EAAI board is easily accessible.



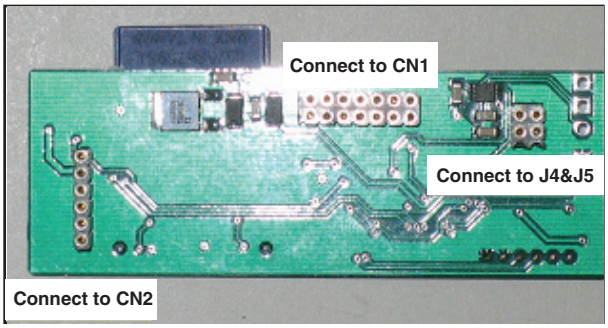
3. The ComFlash will be mounted so the SD card is face up.
4. On the EAAI board you will notice CN1, CN2, and J4 & J5. The bottom of the SD card should be positioned so that the female connectors will line up with all three of the male connectors (CN1, CN2, and J4 & J5). See the following illustrations for details.



Overview of EAAI Board

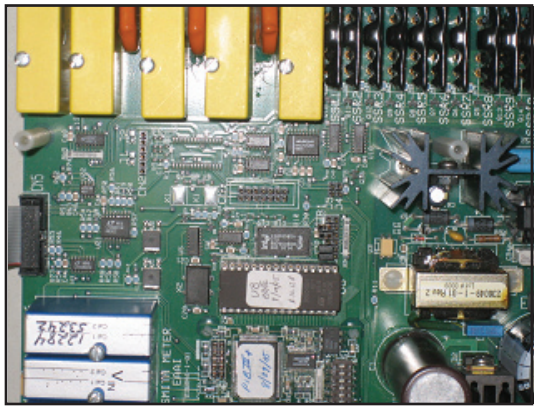


Close up of EAAI to show connectors

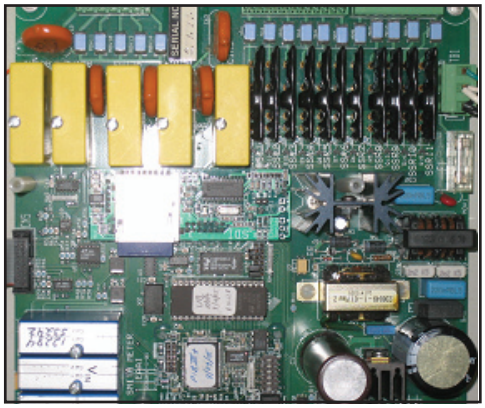


Back of ComFlash Board

5. Once the connectors are lined up, simply press the memory expansion board onto the EAAI board until the male connectors are seated fully into the female connectors. All CN1, CN2, and J4 & J5 should now be firmly secured and covered by the ComFlash board (no pins on any of these connectors should be exposed).



Prior to Installation



With ComFlash Installed

Programming the AccuLoad to Use ComFlash

Navigate through the menus as follows:

1. Main Menu (press Enter)
2. Program Mode (press Enter)
3. System Directory
4. 700 Communications Directory
5. Com Port Configuration
6. Comm 4

Now program the Com Port with the following parameters:

722	Function	ComFlash Memory (or Card Reader/ComFlash)
723	Baud Rate	19200 (matches FMC card reader)
724	Com 4 Data/Parity	8/None (matches FMC card reader)
725	Com 4 Control	N/A
726	Com 4 Timeout	0

Retrieving Transaction Information from ComFlash

The transaction information can be retrieved with the same operations as the user would without the ComFlash memory expansion board. All commands used for transaction retrieval are found in the AccuMate program by clicking on Tools and selecting Terminal Emulator, then by clicking on “Commands” followed by Transaction. The AccuMate “Help” file will give more detailed information on issuing the commands if needed. Also, the transaction information can be viewed on an Excel spreadsheet by opening AccuMate and clicking on Tools and selecting Transaction Log to File. The details of this operation can be found in the FMC Application Bulletin AB06068, Transaction Log / Excel Spreadsheet.

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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