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2008-

**\$5 UPGRADE INSTRUCTIONS FOR MDB MAIN
BOARDS—ALL ACCEPTORS
(UNIVERSAL BOARDS, LCD DISPLAY)**

- 1- PRESS SELECT BUTTON
- 2- PRESS ARROW DOWN BUTTON (MIDDLE)
ARROW DOWN TO “HARDWR”
- 3-PRESS SELECT BUTTON
ARROW DOWN TO “VALID”
- 4-PRESS SELECT BUTTON
- 5-SELECT ON “MDB”
- 6-ARROW DOWN TO “NONE”
PRESS SELECT BUTTON
POWER DOWN AND PLUG PROGRAMER
INTO ACCEPTOR TO BEGIN DOWNLOAD
WAIT FOR PROGRAM TO COMPLETE
- 7-*** WHEN FINISHED COMPLETED STEPS #1-#6
AGAIN ON STEP #6 ARROW DOWN TO “1”
THIS WILL REENABLE THE ACCEPTOR ONCE
PROGRAMMED



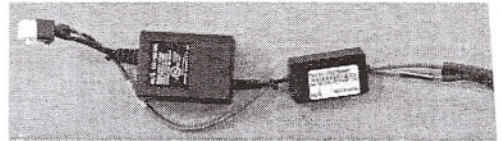
MEI® Flash Box Installation & Operation Manual

The MEI® Flash Box is installed between the vending machine and the bill acceptor (in-line)

110 Volt Bill Acceptors

110 volt MEI™ Flash Box

In-line Installation:



Power down vending machine. (Always power down vending machine when removing components)

Connect the 9 pin connector to the power supply from the vending machine.

Connect the 30 pin connector to the side of the bill acceptor.

Turn on **Switch 8**, all other switches off.

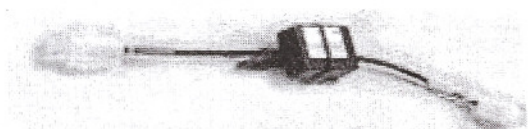
Power vending machine back up. Follow the diagnostic codes on the next page.

Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI® Flash Box)

24 Volt Bill Acceptors (MDB only)

24 volt MEI® Flash Box

In-line Installation:



Power down vending machine. (Always power down vending machine when removing MDB components)

Unplug the MDB connector between the vending machine and the bill acceptor.

Connect the 6 pin MDB female connector from the MEI® Flash Box to the MDB harness male connector that comes from the bill acceptor.

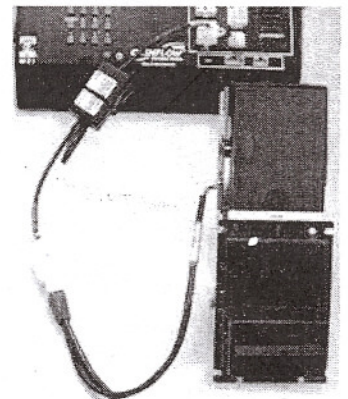
On the other end of the MEI® Flash Box, connect the 6 pin MDB male connector from the MEI® Flash Box to the MDB harness female connector that comes from the vending machine control board.

Turn on **Switch 8**, all other switches off. Power vending machine back up.

Follow the diagnostic codes on the next page.

Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI® Flash Box)

Note: When flashing a VN25XX 24 volt MDB unit, the unit will flash approximately 20 times Red before hanging to flashing green. The MEI® Flash Box will not work for 24 volt units (units). Contact MEI for more info.



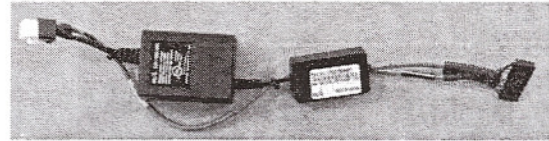
The MEI® Flash Box is installed between the vending machine and the bill acceptor (in-line).

110 Volt Bill Acceptors

In-line Installation:

Power down vending machine. (Always power down vending machine when removing components)
 Connect the 9 pin connector to the power supply from the vending machine.
 Connect the 30 pin connector to the side of the bill acceptor.
 Turn on **Switch 8**, all other switches off.
 Power vending machine back up. Follow the diagnostic codes on the next page.
 Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI® Flash Box)

110 volt MEI™ Flash Box

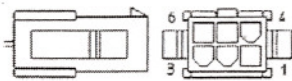
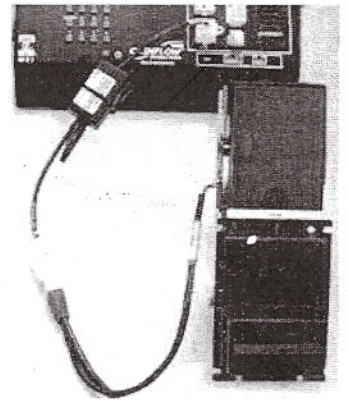
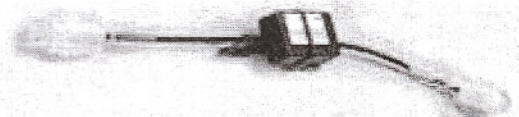


24 Volt Bill Acceptors (MDB only)

In-line Installation:

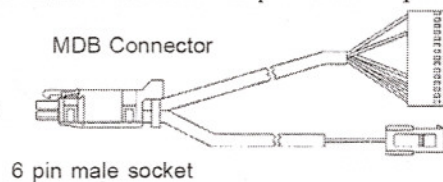
Power down vending machine. (Always power down vending machine when removing MDB components)
 Unplug the MDB connector between the vending machine and the bill acceptor.
 Connect the 6 pin MDB female connector from the MEI® Flash Box to the MDB harness male connector that comes from the bill acceptor.
 On the other end of the MEI® Flash Box, connect the 6 pin MDB male connector from the MEI® Flash Box to the MDB harness female connector that comes from the vending machine control board.
 Turn on **Switch 8**, all other switches off. Power vending machine back up.
 Follow the diagnostic codes on the next page.
 Once successful software is downloaded, the bill acceptor will perform a run & stack. (Wait for the run & stack before disconnecting the MEI® Flash Box)
 Note: When flashing a VN25XX 24 volt MDB unit, the unit will flash approximately 20 times Red before changing to flashing green. The MEI® Flash Box will not work for 24 volt pulse bill acceptors (non-24 volt MDB Units). Contact MEI for more information.

24 volt MEI® Flash Box



6 pin female socket
 from Vending Machine

MEI®
 <--Flash Box-->




6 pin male socket


30 pin
 to Bill Acceptor

To Coin
 Mechanism

Diagnostic Codes








The chart below indicates the color-coded combinations of diagnostic LEDs on the MEI™ Flash Box. For each color, there is a solid indicator and flashing combinations.

 Red conditions - Fault.

 Green conditions - No Fault

  Solid Light

  Flashing Light

LED Indicators	Status
Solid Green 	The bill acceptor is OK. Upgrade completed or No upgrade is necessary. Bill acceptor has the same or newer software than what is on the MEI™Flash Box.
Solid Red 	Power to the Flash Box but no communication to the bill acceptor. Unit disconnected during download (back to starting mode). Or AE2400 turn on Switch 8 , for AE2600 & AE2800 turn on Switch 6 on the bill acceptor.
Green and Red both Flashing  	Connected & checking software version in the bill acceptor
Flashing Green 	Downloading software from Flash Box to bill acceptor
1 Flash Red 	Software in Flash Box not applicable to connected bill acceptor.*
3 Flash Red 	Software in the Flash Box corrupted. Contact MEI.

*** Do not connect a Canadian bill acceptor with a Flash Box containing US software. Do not connect a US bill acceptor with a Flash Box containing Canadian software. Flash box will be labeled US or Canadian only.**

Note¹: Always power down vending machine when unplugging components to avoid damage to the vending machine control board.

Note²: Please note software upload may take up to 3 minutes depending on the bill acceptor model.

MEI Technical Support Tel. 1-800-345-8172