Instructions to Install Retrofit Kit
RVMC-LCM-*x*

TURN OFF MACHINE POWER BEFORE INSTALLATION
READ ALL INSTRUCTIONS BEFORE STARTING INSTALLATION

Retrofit kit contents:

PART NAME	QUANTITY	PART NUMBER
PCBA, LCM Retrofit Controller	1	10-0257-00
LCM Retrofit Display Assembly	1	10-0064-00
Cover, LCM PCBA	1	05-1126-01
Cable Assembly, DEX Retrofit panel mount	1	DEX-27-EL
Installation Instructions	1	INSTR RVMC LCM
Configuration Instructions	1	INST CONFIG 272
Return Form	1	
VMC Warranty	1	
Clamp Hardware Kit	1	05-0157-00
Cable Assembly, MDB Extension	1	11-1700-06

For RVMC-LCM-2 kits, it will contain all of the above as well as the following:

PART NAME	QUANTITY	PART NUMBER
Retrofit LCM Sensor Kit	1	10-0065-00
Sensor Installation Instructions	1	INST 10-0073-00
15-0082-04	1	Checkmate label

Tools Needed:

Screwdriver, Philips
Pliers, needle nose

Additional Accessories Needed:

MDB Coin Changer (if necessary)
MDB Bill Validator (if necessary)

1. Fully open vending machine door.

2. Locate the Vending Machine Controller (VMC) on the left side of the door. Carefully, unplug all connections to board. Refer to Figure 1.
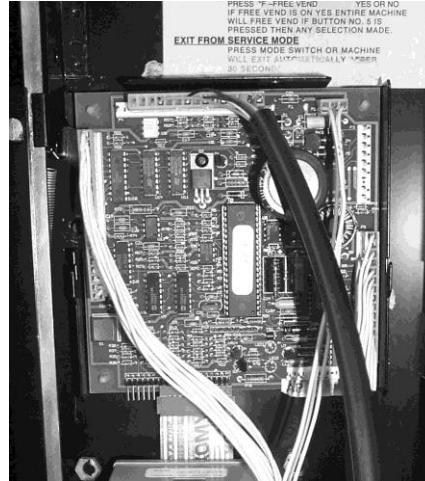

Figure 1.

3. Using the needle nose pliers, simply pinch the four standoffs that the VMC is mounted on and remove the VMC from the machine. Refer to Figure 2.
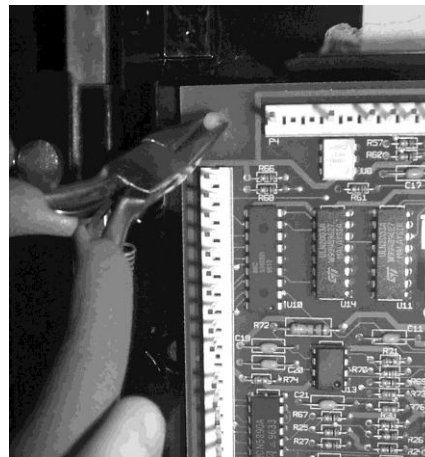

Figure 2.

4. Locate the (8) nuts on the back of the front door. Refer to Figure 3 for these locations. These are used to hold the front panel onto the door. With the nut driver, remove these nuts and remove the front panel from the door. Please note once the screws are removed the front panel is no longer attached to the front door. Use caution when removing these screws so that the front panel does not fall forward. Also, use caution when removing the front panel because the keypad may not be securely fixed to it and this may also fall.

Figure 3.

Once the front panel is removed, the display cover may now be removed from its slot on the front panel. Now, the LCM Display Assembly can be placed into this opening in the front panel. Refer to Figure 4. Once the display assembly is secure in the front panel opening, slide the display cable through the opening in door and guide the panel back onto the door using the pegs. As long as it is <u>flush</u> against the door, you may begin to secure it onto the door with the nuts.
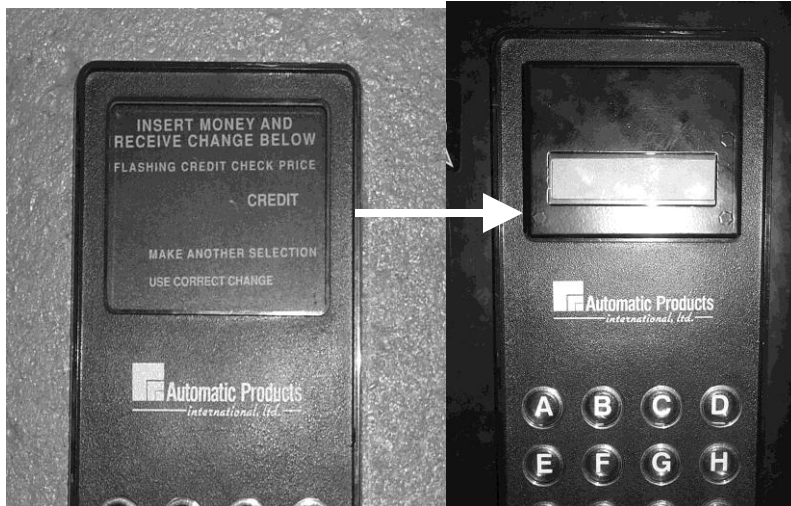

Figure 4.

5. Now, you may install the LCM Retrofit Controller, 10-0257-00, shown below in Figure 5. The same mounting standoffs will be used. Orient the LCM Retrofit controller so that the POWER, DEX, and MDB headers will be towards the top of the vending machine. Match the mounting holes from the controller to the four standoffs and push the board so that each standoff locks it into place.
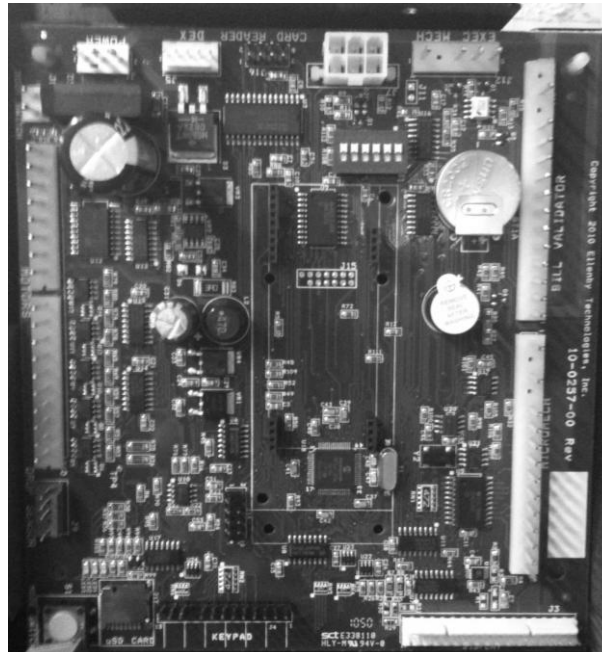

Figure 5.

6. Connections to the board may now be made. Shown below in Figure 6.
   - J4 KEYPAD – The tail from the keypad will plug onto the right angle connector on the bottom of the board, J4. This cable is keyed.
   - J3 DISPLAY – The cable from the display assembly that was previously installed can now be plugged into J3. This cable is not keyed. Therefore, take notice of the polarizing ribs and ramp on the end of the cable that will be plugging into the board. This connector will only fit one way onto the header.
   - J6 MICROMECH – If a Micromech coin mech is being used, the existing cable will plug into J6.
   - J13 BILL VALIDATOR – If a non-MDB bill validator is being used, the existing cable will plug into J13.
   - J7 MDB – If MDB coin mech and validator are being used, both the validator and the coin mech should be connected to each other. This common connector can then be plugged into the cable assembly, 11-1700-06. The cable will then plug into J7 of the control board.
   - J1 POWER – The existing power cable will be used. This is a three pin connector. This will plug directly into J1 of the VMC.
   - J10 MOTORS – The existing cables for the motors can be used. This is a 19 pin connector. This cable is keyed so it may only be plugged in correctly one way.
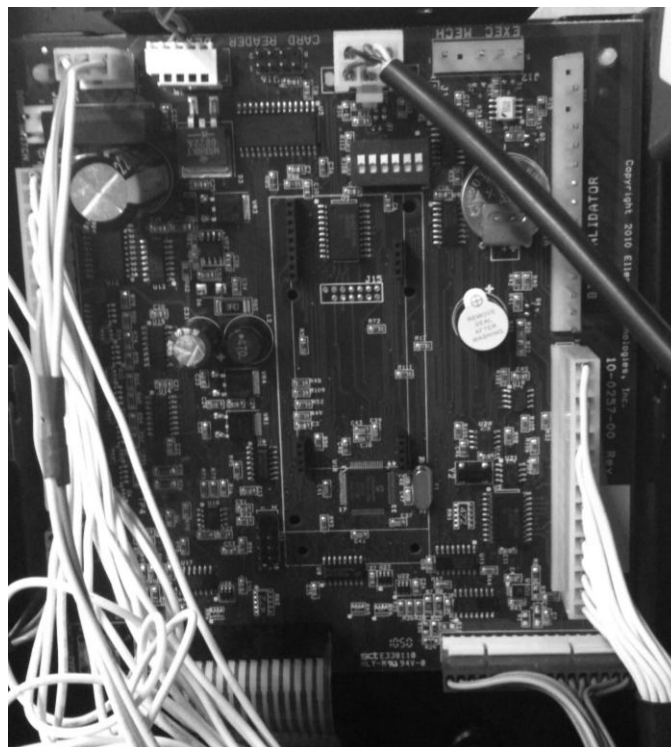

Figure 6. (set up is for MDB BV and micromech coin)

7. The last connection to be made will be the DEX connection. This cable is mounted on the front cover. The other end of this cable will plug into J5 of the control board. After you plug this cable in, you may mount the cover. Line the hole on the top of the cover with the hole on the bracket above the control board. Using the 08-0832-00 screw included in the kit, screw the cover in place. Refer to Figure 7 for cover's orientation.
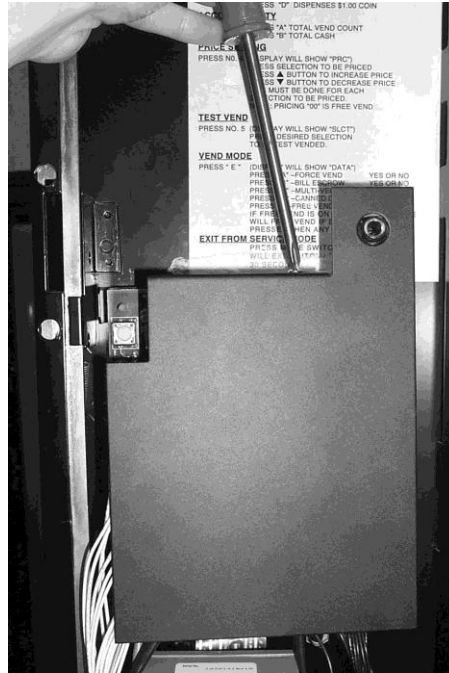

Figure 7.

(Note: bracket has been modified. Use this picture for orientation only.)