

HealthyYOU VENDING Machine Manual



Model HY900



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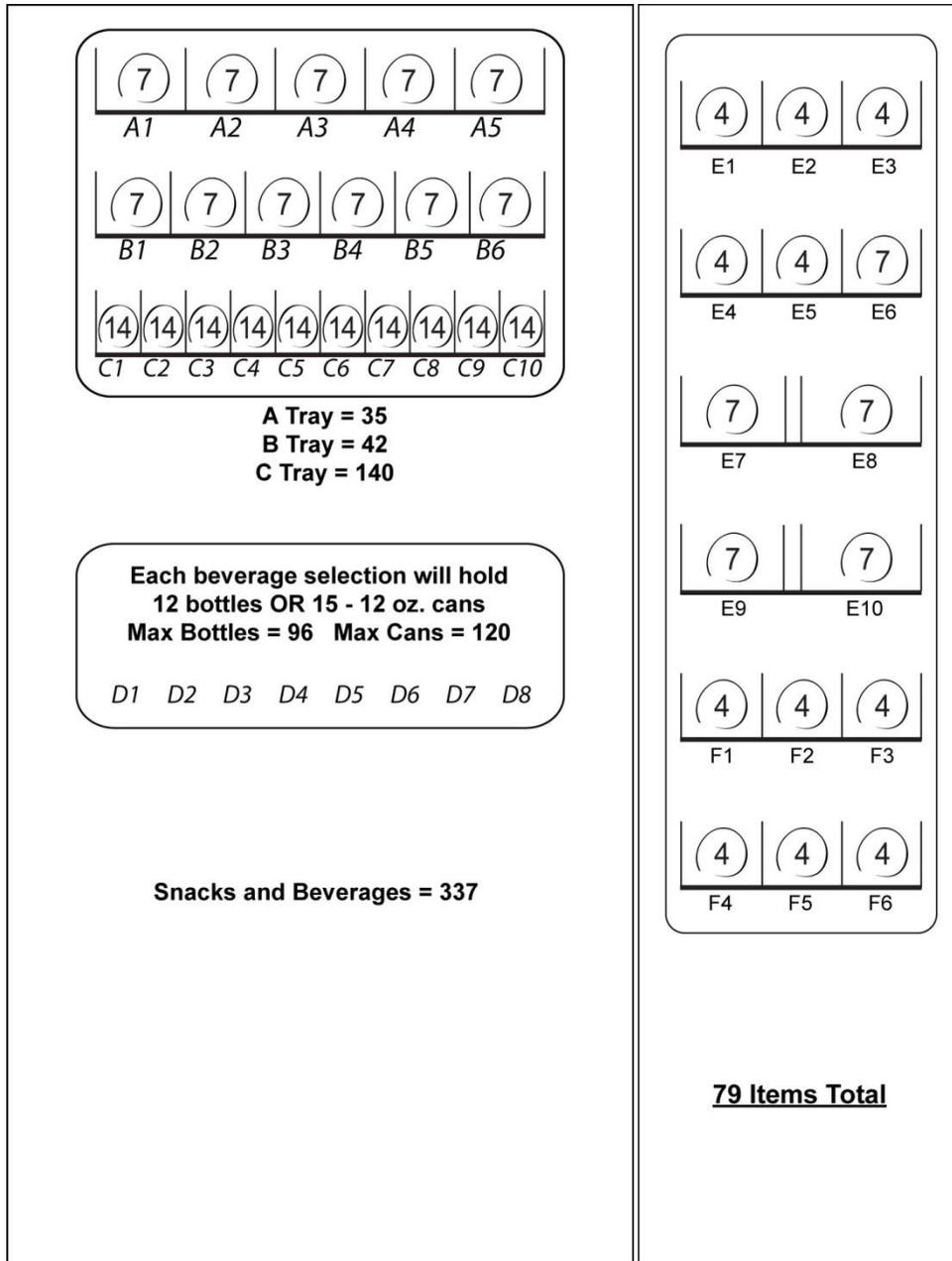
PART ONE – INTRODUCTION

Congratulations on investing in your new vending machines! In this manual, you will find information on how to set up, install, operate and maintain your new equipment.

Machine Description	Main Unit	Entrée Unit
Model Number	HY900	HY970
Height (in)	72	72
Width (in)	36	16
Depth (in)	28.5	28.5
Weight (lbs.)	476	210
Volts (V)	115	
Frequency (Hz)	60	
Watts (W)	360	
Current (A)	3.0	

- The machines are intended for indoor use only with a temperature range of 60° to 80° F and a relative humidity of less than 45%.
- The machines require one (1) grounded 115 V power outlet and is equipped with a power cord.
- The machines are front ventilated and can be installed flush to the wall. Keep the front ventilation area clear of obstruction and keep the condenser fins clean.

CAPACITY



HARDWARE

The machine hardware package is located inside the marquee shipping box in a large, white envelope and includes:

- 1.) Service Door Keys – two are provided; please keep one key in a safe place!
- 2.) Power Cord
- 3.) Hardware required for installation

WARRANTY

Your machine has a seven year limited non-transferable warranty against manufacturer defects. Should the machine fail to operate due to equipment malfunction for normal usage and wear, we will advise you of the necessary steps to repair the machine and replace any parts if necessary. The first year manufacturer's warranty is provided by Seaga. Necessary parts during the first calendar year (from the time of delivery) will be covered at 100%. Necessary parts in years two through seven will be covered with a 50% deductible. Large or costly items where the old part needs to be returned, may require the manufacturer, Seaga, to take your credit card number for an assurance you will send the old part back to them. Your card may be charged for the cost of the part if the old part is not returned within a reasonable period of time. When parts are needed, during the first year, please call Technical Support at Seaga at 1-815-297-9500. When parts are needed, during years two through seven, they may be ordered on-line through HealthyYOU Vending. If you have questions regarding this process please call Coaching for an explanation.

CLEARING ERROR CODES

Clearing error codes on a regular basis allows you to have a fresh look at current codes when you service your machine. See *DIAGNOSTICS* under item 2.9 *Clear Errors*. When you hit the "F" key at this point, it will automatically clear any errors stored on your machine. When the message comes up on the display "Clearing Complete" you may exit this portion of the menu and your errors will be cleared. If errors continue to occur, it probably would be a good idea to call Technical Support.*

**It is not unusual to have an occasional error code.*

ENTERING CALORIES FOR PRODUCTS

New laws are asking that vending machines show the calories for each product. Currently this is required by the Federal Government if you own 20 or more machines. This may be done through SmartWarePro or through the MENU category on the machine. Simply go to PRICES and hit Enter "F" key. The drop-down menu will ask: 1. Set All; Set One; Set Tray; and Calories. After scrolling down to Calories, press the "F" key and it will ask you to make a Selection, then press the "F" key, making a selection enter the number representing the number of calories in a serving size. For example: if I wanted to enter the number of calories for a KIND Bar and it is in C1, I would follow the procedure listed earlier and when it asks me to make a selection I would enter "C1". To enter the 220 calories for the selection, press 220. Another selection can be made to continue entering calories. Remember the "10" key is used for "0". When a customer chooses A1 the display will first give the price and will then show the calories for the item.

CREDIT/DEBIT CARD READER ACTIVATION - EPORT

Follow the activation instructions in the enclosed USA Technologies Quick Start Guide.

FEATURES AND FACTS

Your vending machines have the following features:

Change Back

The machine default is for Multivend to be on, which means that the machine does not automatically give a customer change after an item vends. It displays to the customer their credit after a purchase has been made and will require them to press the Coin Return button before their change is dispensed. This maximizes the transactions per customer.

Coin/Bill Return

The machine will allow a customer to put money in the machine, decide not to vend something, and get their money back. They simply push the Coin Return button and their change or bill will be returned. Note: In the case of a customer who inserts multiple bills, only the last bill inserted will be returned. The balance of the customer's money will be returned in coins.

Bill Acceptor

The machine has been set up to activate and accept bills based on the amount of coins registered in the coin mechanism. The bill acceptor has been factory preconfigured to accept \$1 and \$5 bills as long as there is sufficient change in the coin mechanism. The operator can select that the bill acceptor also accepts \$10's and \$20's, but the coin mechanism must have sufficient change to accept this denomination. Since this machine does not dispense bills as change, it is recommended that the factory settings of \$1 and \$5 be left as your default acceptance values.

Keep Track of Sales and Profits

You have easy access to information regarding your machine's sales and vending activity. When entering MENUS mode, enter the sub-menu AUDIT. Use the up/down arrows to navigate through the menus to see Coins In, Bills In, Sales Value, etc. The Vending Machine Controller (VMC) keeps a running log of these values. Recording the values will keep track of your sales and profits!

Drink Section Temperature Readout

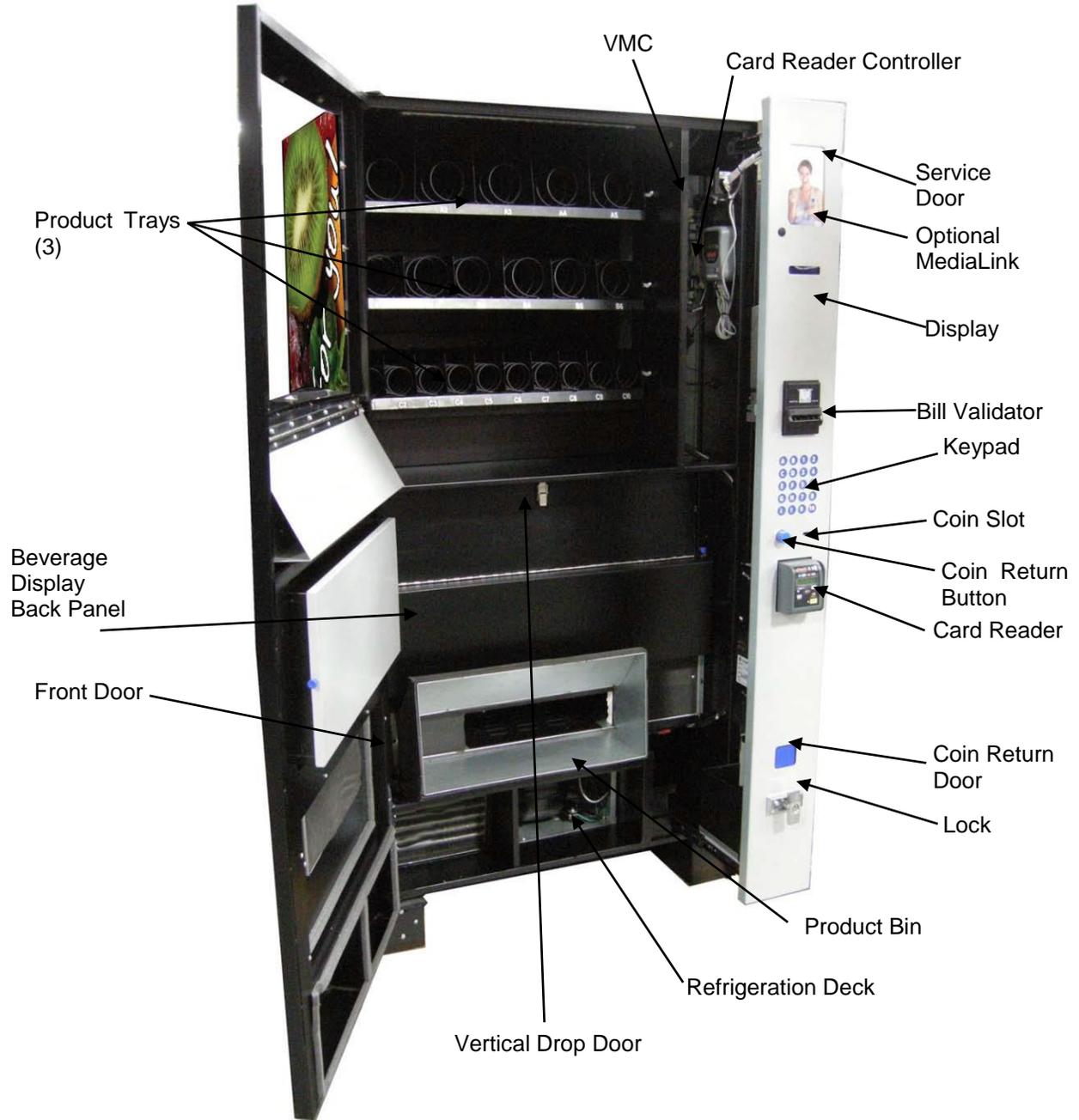
This vending machine gives you the temperature inside your machine's drink section when the number 10 key on the keypad is pressed. You and your customers can see just how cold the drink section is at any time!

TIPS FOR SMOOTH OPERATION

1. The snack rows have **NO** sold out sensors. The fact that the row is visibly empty should deter customers from choosing that selection. If you need to empty a row of snacks, it is easy to get into the trays and simply remove the snacks from between the coils. If you wish to **empty a drink selection**, you need to use the **DIAGNOSTICS/MOTOR** function in Service Mode. Enter the number of the column that you need to empty (for example, D1) to run the motor one revolution. Continue to enter the column number in the menu until the column is empty.
2. As change is given to the customer in coins only, it is recommended that you initially load the coin tubes completely full when setting up your machine, with the exception of the dollar coin tubes, which can be loaded with 30 dollar coins. In order for your VMC to keep an accurate coin inventory, enter Service Mode, scroll through to Settings, then the Coin Refill submenu, and load coins in through the front coin slot, as if you were inserting money to purchase items. Once the coins start dropping into the coin overflow tray, that means that the coin tubes are full and the VMC has an inventory of coins stored and will calculate transactions accordingly. This is also known as priming the changer.
3. You should test any snack or drink selection motor to ensure it is operating properly.
4. After clearing a jammed product, either a snack or a drink, you must clear the error from the VMC to unlock the selection and make it available for sales. If the error is not cleared, even if the jam is cleared the selection will say Make Another Selection when chosen. See the Clear Errors section of this manual.

PART TWO – INSTALLATION

Figure 1 - Interior View and Components



UNLOADING

Note: The machine is heavy and bulky. Use extreme caution and safe practices to perform the unloading and installation process with two people.

1. Cut vinyl straps and remove the clear plastic and cardboard corner posts from the vending machine (*use care if using a razor*).
2. Using safe lifting practices and two people, “walk” the machine off the shipping skid, letting the back of the machine touch the ground first.
3. Holding the machine steady, slide the skid away from the front of the machine.

ASSEMBLY

Open the marquee shipping box and retrieve the white envelope containing the service door keys. Remove packing materials from the interior of your machine(s). Be aware that there is a clear strip of film down each side of the Service Door to protect it during shipping. Both strips of film should be pulled down to remove. Remove tape holding down tray latches and foam protecting the window from tray movement during shipping.

LOCATION

On rare occasions, during a machine delivery or move, our customers have found it necessary to tip the machine. **IMPORTANT:** Any time your machine has been tipped more than 45 degrees, you must keep your machines upright and unplugged for at least 12 hours! The lubricants in the refrigeration unit must settle in order to operate properly. Failing to allow settlement time could damage the refrigeration unit and void your warranty!

Depending upon the location climate, it could take up to 24 hours for the machine to reach its ideal operating temperature.

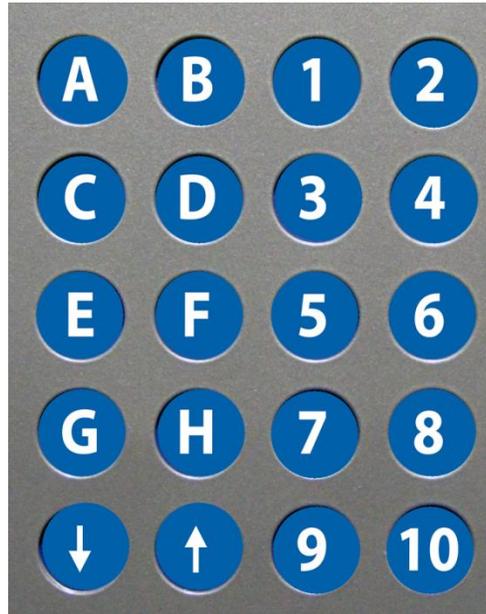
POWER AND SURGE PROTECTION

Your machine does not come with surge protection. We strongly recommend that a surge protection device be used on your machine. Surge protection devices can be found at many retail hardware and other store locations near you.

KEYPAD AND DISPLAY

The Keypad is located on the front of the Service Door and is touch sensitive. Only light pressure will be necessary to activate each number or letter. The Keypad is used by the customer to make their selection and by the operator to set and test many functions of the machine.

Figure 2 - Keypad



The display shows the customer the amount of money entered into the machine, and the cost of their selection. It shows the operator the Service Mode function for setting and testing the various functions of the machine.

DISPLAY

The LCD Display (Fig. 3) is a two line, 40 character text display panel located on the front of your vending machine. The display interacts with the customer to show the amount of money entered into the vendor and the cost of their selection among other information as programmed. The display also shows the operator the Service Mode functions for setting the vendor.

Fig. 3 – LCD Display in Sales Mode



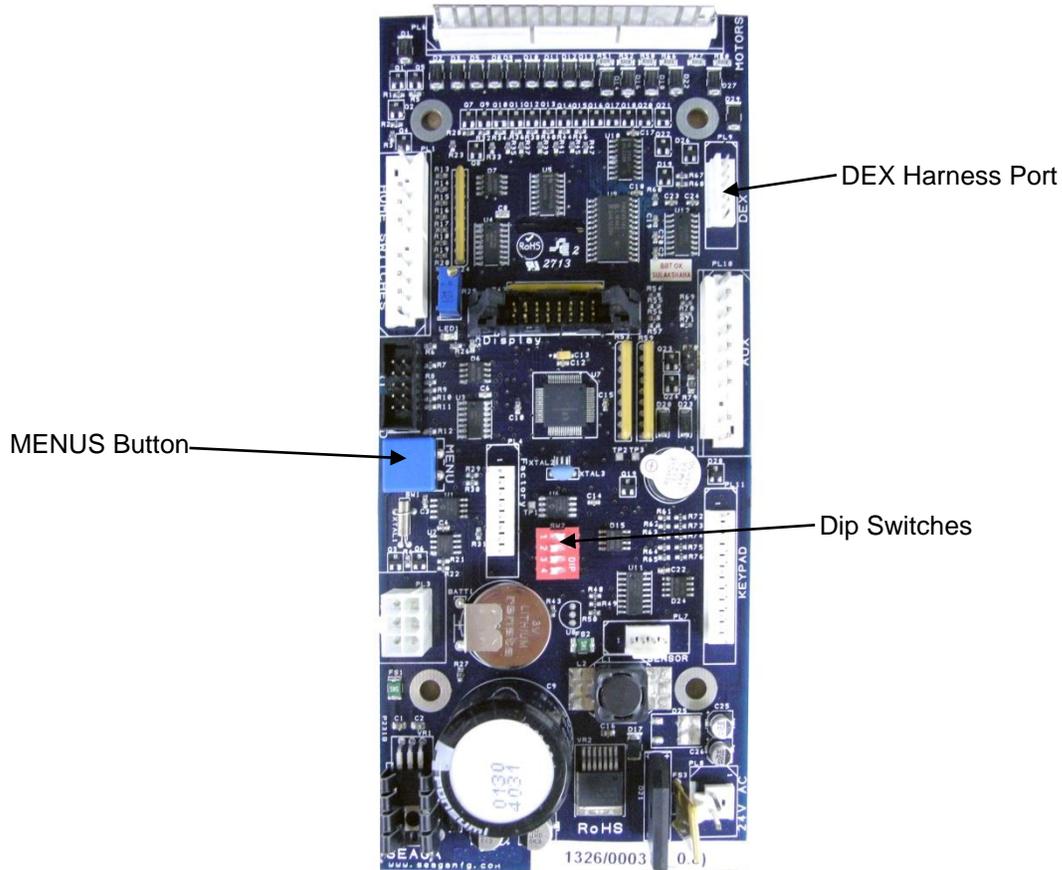
Display Formats	When in Sales Mode Top Line of Display Reads
Normal Operation, no credit available	\$00.00 (see Fig. 3)
Normal Operation, some credit available	\$00.05 – 99.95
After Pressing a selection, if there is no credit or the credit is less than the selection's price, the price of the selection is displayed for a few seconds before reverting to one of the above credit display formats. (If a coin or other payment is made the display reverts immediately to display the credit available)	Price \$00.05 – 99.95
Free Vend Mode (all prices set to zero)	Free Vend
If a selection is out of stock when a selection is pressed – this is displayed for a few seconds	Sold Out
All Items out of stock	Sold Out
Machine Out Of Order	Out of Order
During a Vend (Progress bar, dashes)	-----
Temperature Display Press the 10 key to display	Temp nnF

Date and Time are always displayed on the second line in Sales Mode. If a calorie value is set for a selection, the value will be displayed when the product is vended or when a selection is made without any credit.

PROGRAMMING

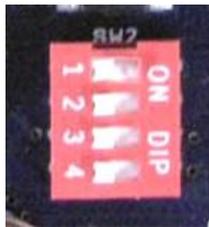
Unlock and open the Service Door to access the VMC, and enter Service Mode by pressing the MENUS Button. (Fig. 4)

Figure 4 – VMC and MENUS Button



The Dip Switches must be set as shown, with all set in the OFF position:

Figure 4a – Dip Switches



SERVICE MODE

The operation of the machine can be adjusted by entering service mode by pressing the MENUS button on the VMC circuit board and then accessing the appropriate operation. Price setting, audit display and operating modes can be read and adjusted from here. The user can also perform tests on the machine through this mode. Note: any Credit will be cancelled on entry to Service Mode.

The Vending Machine Controller (VMC) will remain in service mode as long as the user keeps using the keypad to move through the various service mode MENUS. The VMC will automatically exit service mode and return to sales mode if any of the following occur:

1. The user is inactive for more than 60 seconds
2. The user presses the EXIT key (G)

When you exit service mode, the installed firmware version will be shown on the display for three seconds, then the controller will revert to sales mode.

Navigation

Use the up and down arrows on the keypad to scroll through the menus.

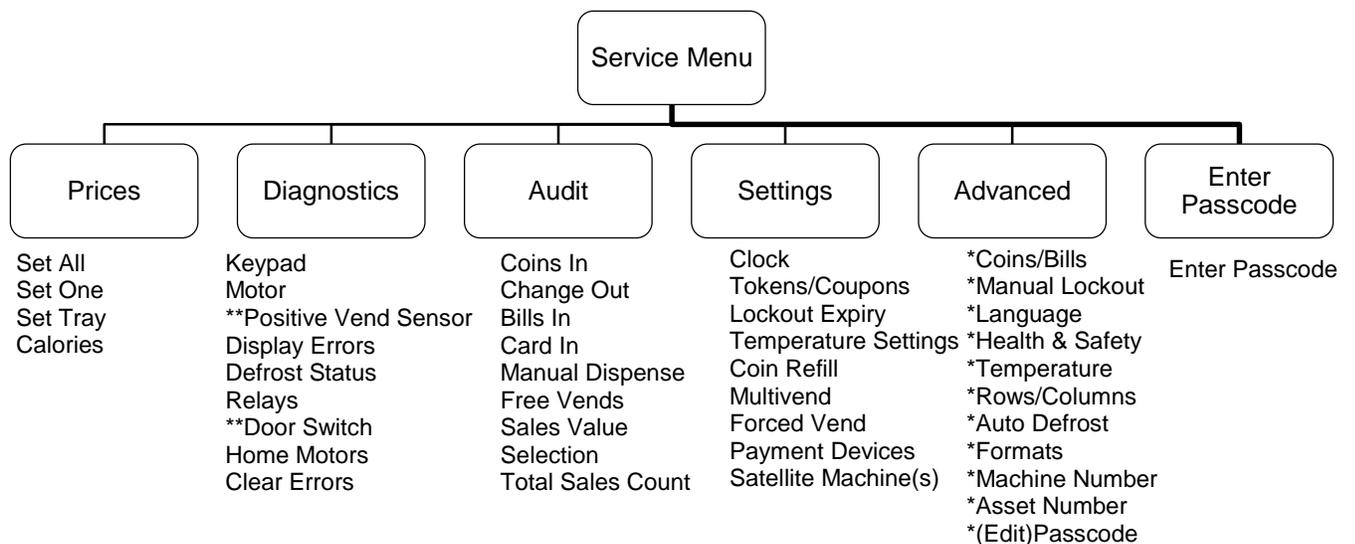
Use the “F” key on the keypad as you would the Enter key on a computer – to select, confirm, etc.

Use the “G” key on the keypad as described above, to Exit the Menus.

The 10 key functions as zero (0) in certain menus such as date, pricing, etc.

MENUS – CHART OF SERVICE MENUS

The chart below shows the Menus while in Service Mode:



Note: Functions preceded with an asterisk* are not available without Passcode entry.

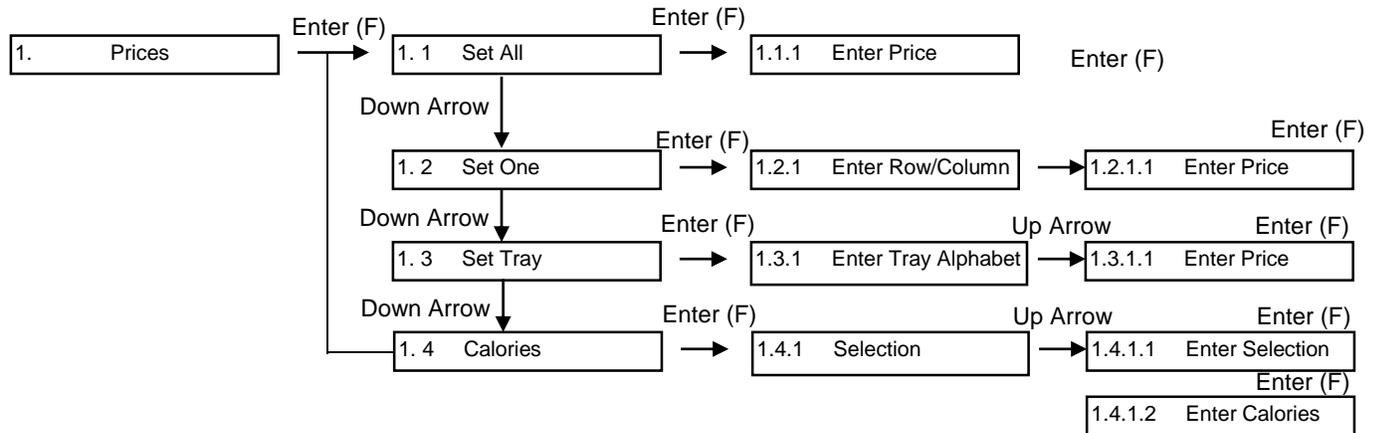
****Not all functions are applicable to all models.**

*****To access the Advanced Menu, you must first navigate to Enter Passcode and press the 10 key 4 times (factory setting) before navigating back to Advanced to complete your programming functions.**

MENUS - PRICES

The Prices Menu allows you to set prices in three different ways – Set All, Set One, Set Tray. Set All will allow you to set all of selections in the machine to the same price. Set One will allow you to set one individual selection of your choosing. Set Tray will allow you to set an entire tray to the same price.

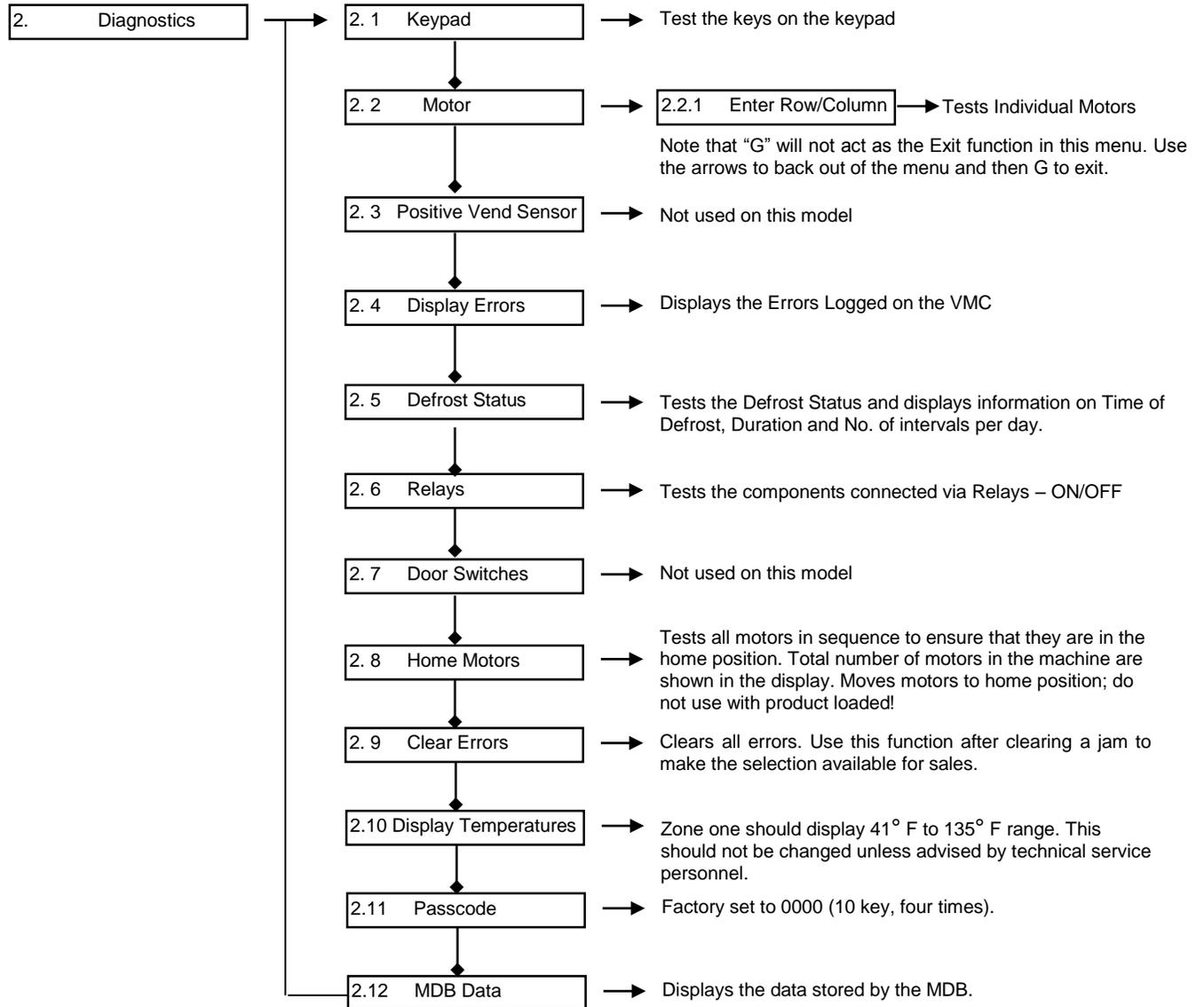
Using these available options will save you time – if the majority of your prices are set at \$1, use the Set All sub-menu to set all prices to \$1. You can then go back and set individual prices for certain selections as needed.



In order to enter the price, press the corresponding number. Note: For \$1.00, press 1 0 0 – for .50 press 5 0, etc. Press F to accept the value; G to exit to the main menu. *Note: You can also set prices using SmartWarePro™. Discount prices can be set with this software whereas regular prices can be set using either method.*

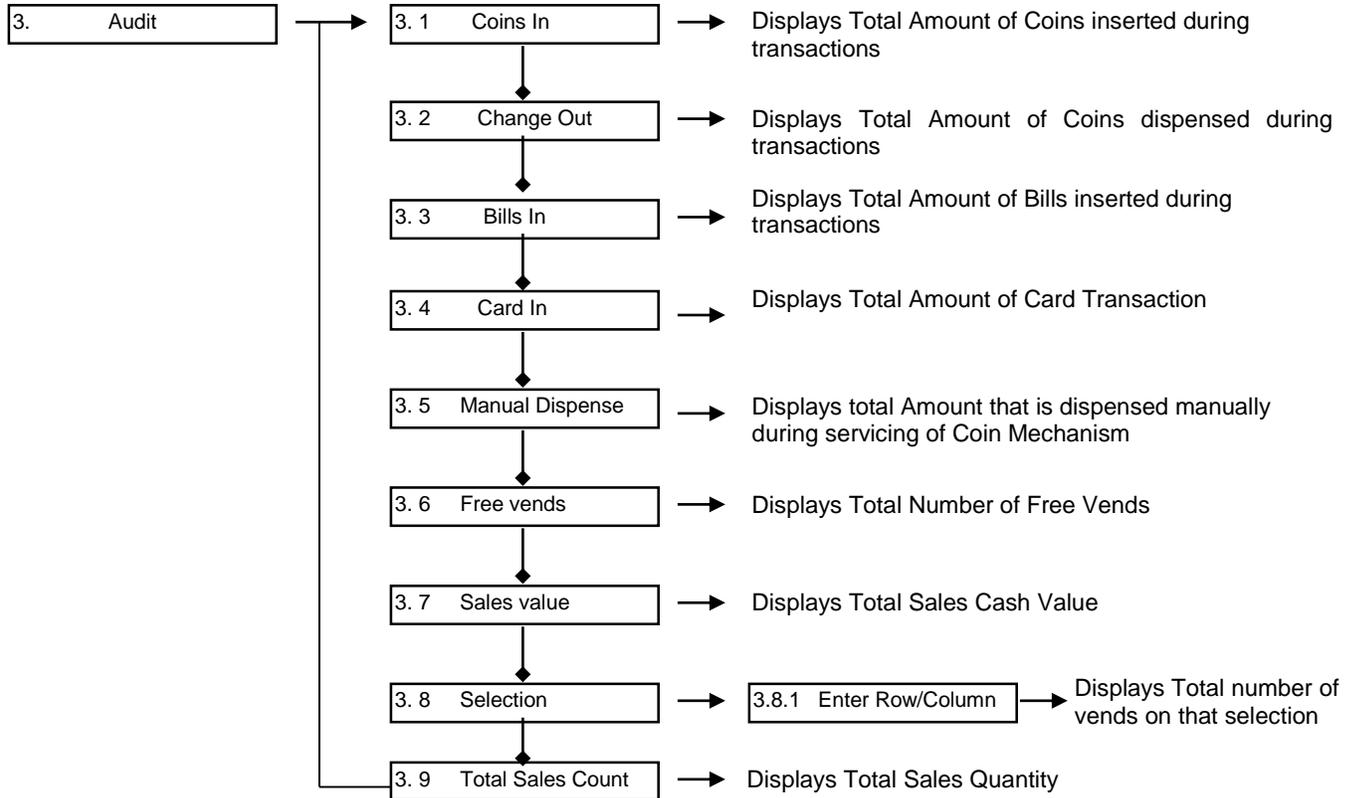
MENUS - DIAGNOSTICS

The Diagnostics Menu is used to test various features of the machine.



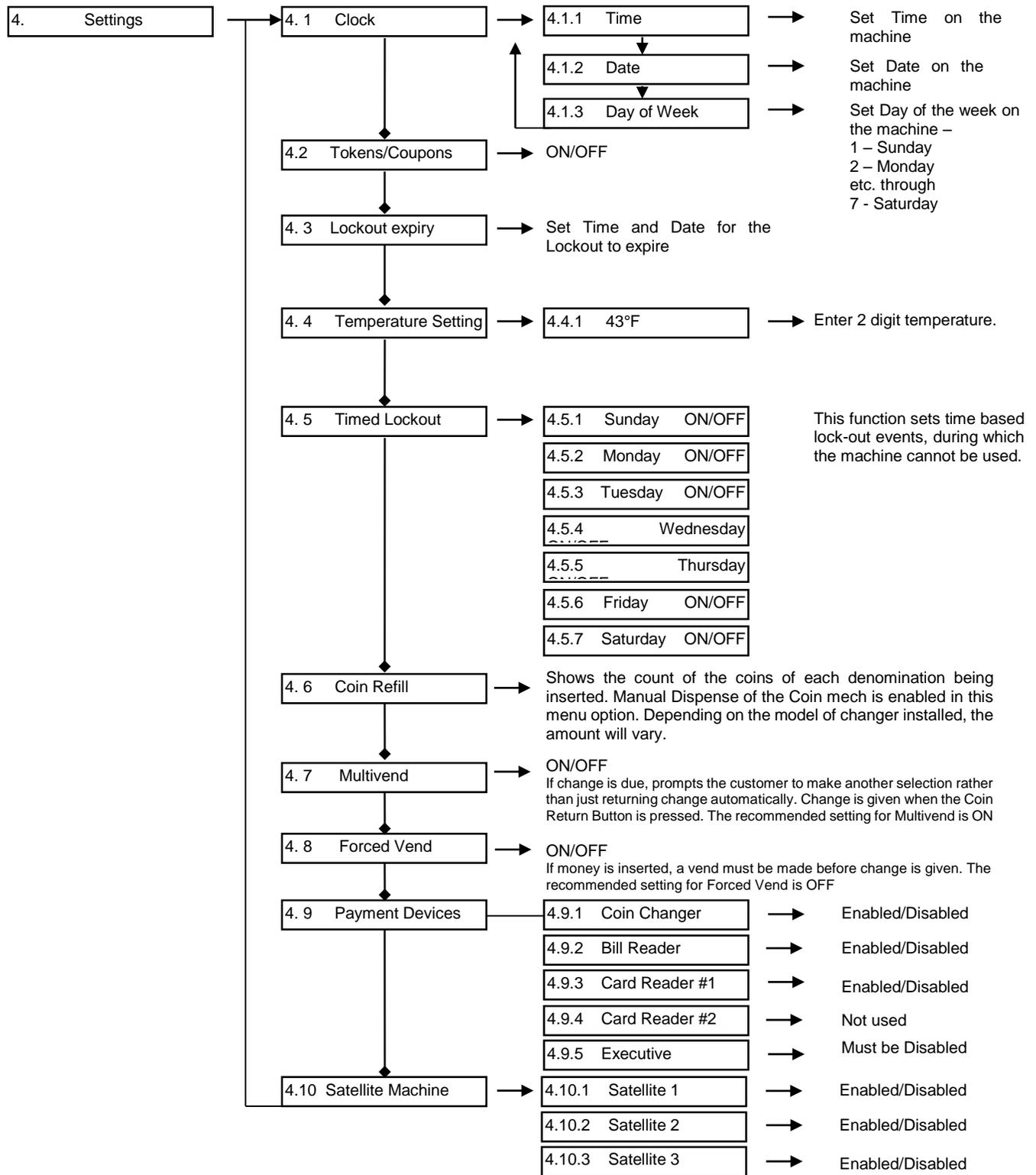
MENUS - AUDIT

The Audit Menu is used to track the machine operation. The industry standard is to keep a continuous total of all audit functions that cannot be set back to zero.



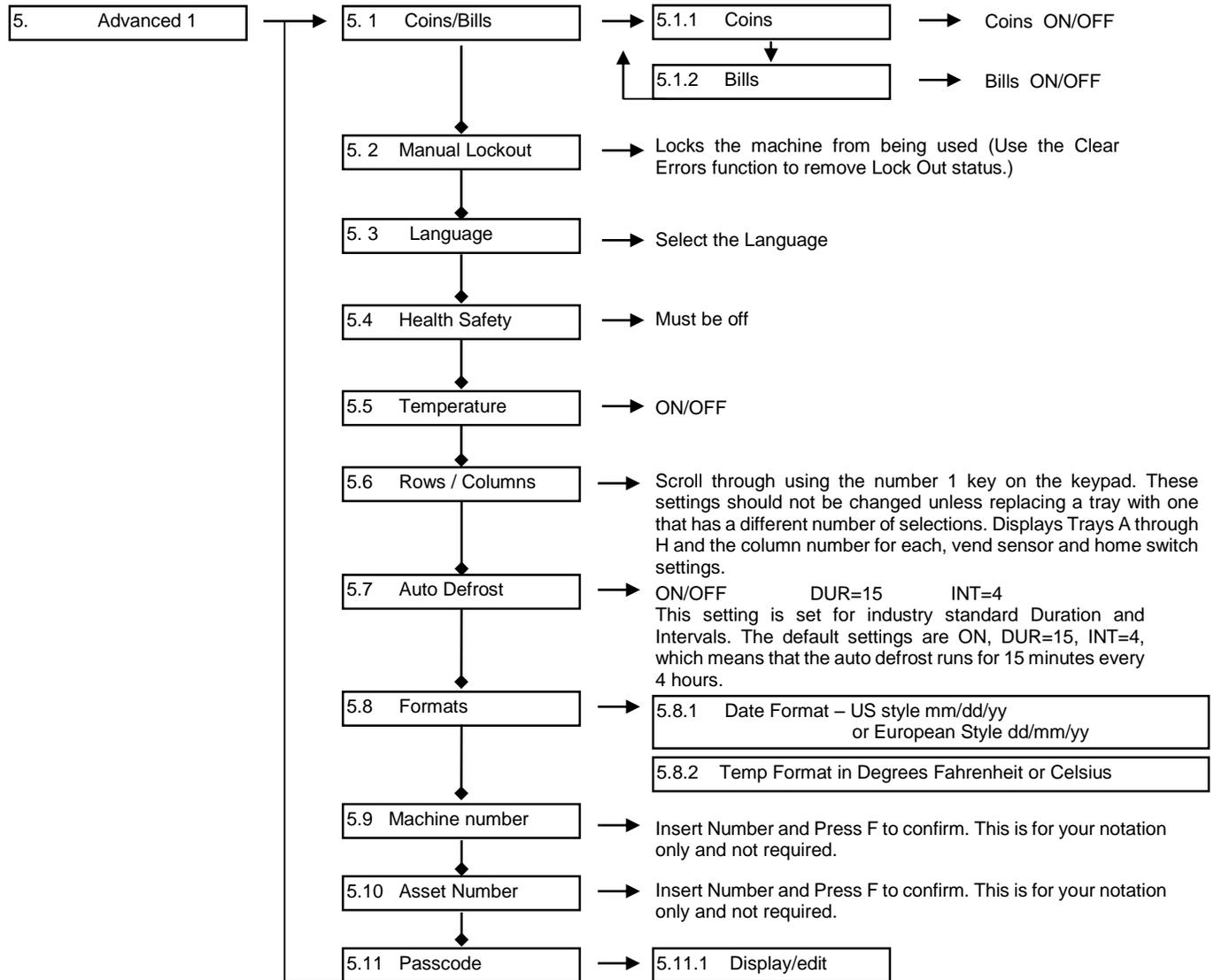
MENUS - SETTINGS

The Settings Menu is used to Setup the features of the machine.

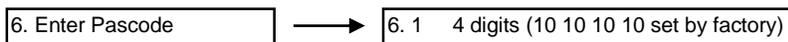


MENUS - ADVANCED

The Advanced Menu is used to setup the Advanced Settings. Before using any of the functions in this menu, you are required to navigate to ENTER PASSCODE from the main menu, enter the 4 digit passcode (10 10 10 10 is the factory setting) before navigating back to this menu and continuing with your programming.



MENUS – ENTER PASSCODE



MENUS - EXIT

Press "G" to Completely Exit from the Service Menus.

ERROR CODES

Motor Diagnostic Error Codes:

000	-	No error
001	-	Vend OK but did not home
002	-	Reserved
003	-	Stuck at home
004	-	Cycle OK but product not detected
005	-	Low current (motor probably did not move)
006	-	Over current (Hard error)
007	-	Did not home, no product detected
008	-	Positive Vend sensor blocked

Logged Error Codes:

001 - 080 Motors A1, A2 through H10
 plus a sub code (same as diagnostic codes)

Row A is 001 – 010

Row B is 011 – 020

Row C is 021 – 030

Row D is 031 – 040

Row E is 041 – 050

Row F is 051 – 060

Row G is 061 – 070

Row H is 071 – 080

100 Coin Changer

110 Bill Reader

120 Card Reader 1

121 Card Reader 2

130 Audit Device

140 DEX error

150 Satellite 1 error

151 Satellite 2 error

152 Satellite 3 error

160 Internal VMC

201 Period Lockout

202 H & S lockout

LOADING SNACKS

Wide products such as bags etc. are loaded in Tray 1 and Tray 2. Narrow products such as bars are loaded in Tray 3. See Figures 5a and 5b.

Figure 5a – Loading Product

Correct – load product between coils, resting on the product tray, never on the bottom loop of the coil.

Coil

Product Tray



Incorrect

Figure 5b – Loading Product

Correct – load product between coils, resting on the product tray.



Incorrect

COIL ADJUSTMENT

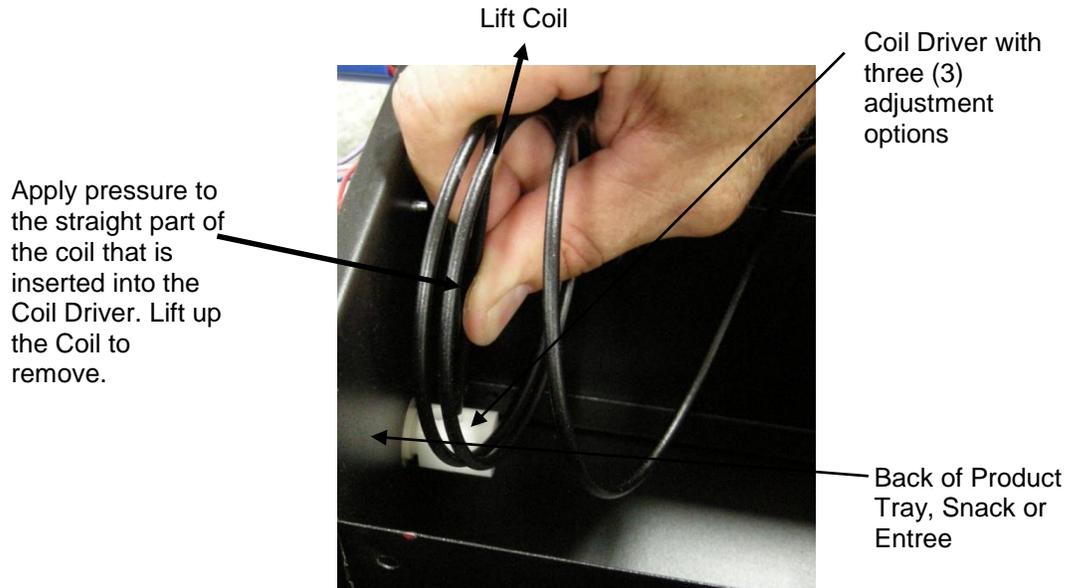
If you are required by a location to vend a product of a non-standard size, you may need to order a different coil and install it. To replace a coil:

1. Remove the coil from the coil driver by lifting the back of the coil up off the coil driver. You will need to move the bottom of the coil clear of the coil driver to completely remove the coil. See Figure 6

- Align the new coil end with the front of the product tray, which gives the coil better contact with the product. The position of the coil in the coil driver is adjustable to assist you in aligning the new coil at the front of the product tray. See Figure 6.

This Coil adjustment can be done for all the selections on machine product trays and entree units.

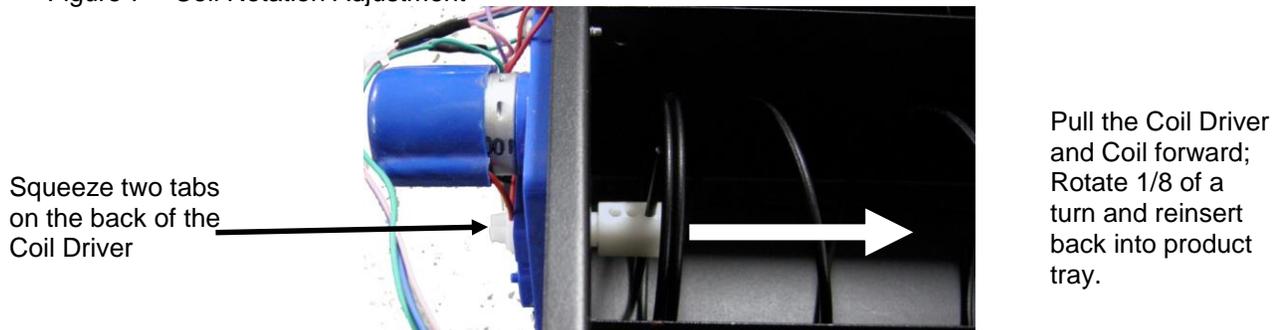
Figure 6 – Removing and Aligning a Coil



It may be necessary to change the rotation of the coil to assist the snack in moving off the tray during a vend. To adjust the coil rotation:

- Squeeze the two tabs on the back of the Coil Driver and pull the Coil Driver and Coil toward the front of the tray to remove it.
- Turn the coil clock-wise 1/8 of a rotation.
- Reinsert the Coil Driver with Coil attached back into the motor, through the back wall of the tray.
- Load the tray and perform at least 5 (five) test vends to insure a proper vend.
- If the item does not vend consistently, repeat another 1/8 of a rotation until vending properly.

Figure 7 – Coil Rotation Adjustment



LOADING BEVERAGES

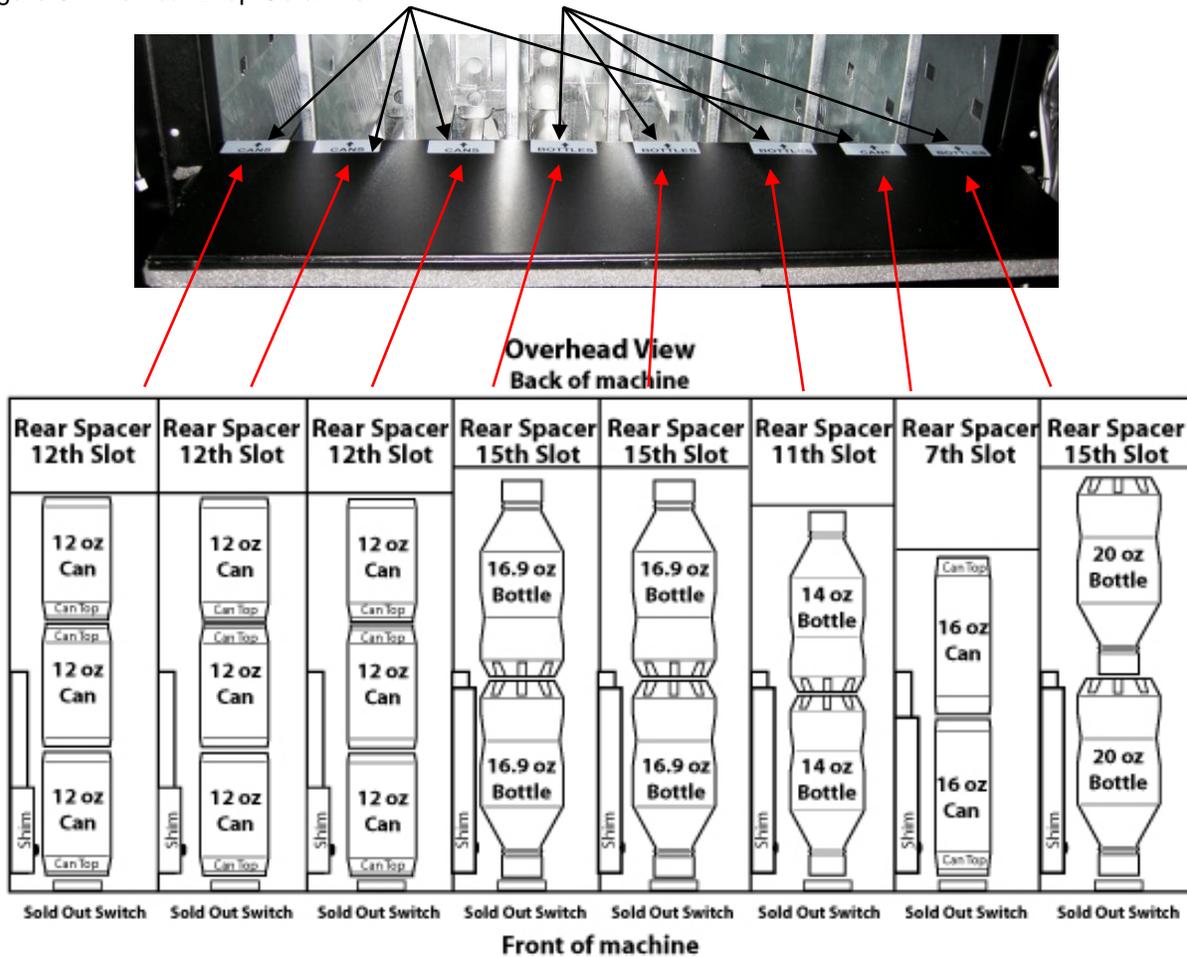
About the Vertical Drop Columns

The Vertical Drop Columns in your machine use an Auger that rotates counter-clockwise to drop the drink into the Product Bin. The columns employ the use of a combination of metal Shims to hold the front-most product from dropping during the first vend. On the second vend, the Auger rotates counter-clockwise further and allows the front product to vend. A third rotation occurs only if the column is set for cans. The combination of Auger, Shim(s) and Rear Spacer position allow for different sizes and types of product packaging.

To control the rotation of the Auger, there is a Home Switch located behind each vertical drop column motor. There are Cams installed on the front of each auger, one for bottles and one for cans. The lobes on these cams determine the stopping point of the Auger for each vend.

Figure 8 below is an illustration of the factory default settings for each column. Be aware that each column has been set for specific brands of products in the size listed. Note that columns are marked for “CANS” and “BOTTLES” with labels on the interior beverage door:

Figure 8 – Vertical Drop Columns



Vertical Product Columns – Load products horizontally (laying down)

1.) For most bottles, place top of the first bottle against the front of the column, making sure the Sold Out Switch is depressed. Place the second bottle to the rear of the column, facing the bottom of the bottle with the bottom of the first bottle. See Figure 8. Load 12 oz. cans bottom to bottom in the first two positions, then top to top in the back position. Load 16 oz. cans bottom to top. 20 oz. Gatorade bottles are loaded bottom to top.

2.) To adjust the rear spacer, grasp firmly and lift, freeing the spacer from the slots in the column sides. Move the rear spacer to the closest slot to the back of the bottle or can placed in the rear of the column. Insert the bottom left corner first. The gap between the rear spacer and the rear bottle or can must be less than ½ inch. The slots are in ½ inch increments to let you adjust for many sizes of products. Lower the rear spacer into the new position, making sure the spacer is straight vertically.

3.) Finish loading to the top of the column, making sure the items are perfectly horizontal and not tilted or skewed in the column.

Note: There are many variations of packaging among the beverage brands. These instructions are meant to be a guideline. If you have packaging that isn't mentioned or shown, experimentation will be necessary for a proper vend.

By adjusting the Shims and/or changing the cams any column can be converted to cans or bottles. Contact Technical Support if you need assistance.

In the traditional beverage world, drink manufacturers such as Coke, Pepsi and Gatorade ensure any new drink they produce meets standard agreed upon criteria in shape and size. Meeting these standards ensure the drink will vend properly in vending machines. They differentiate the look of their product through the colors used in labeling but they do not change the size or shape of the cans or bottles.

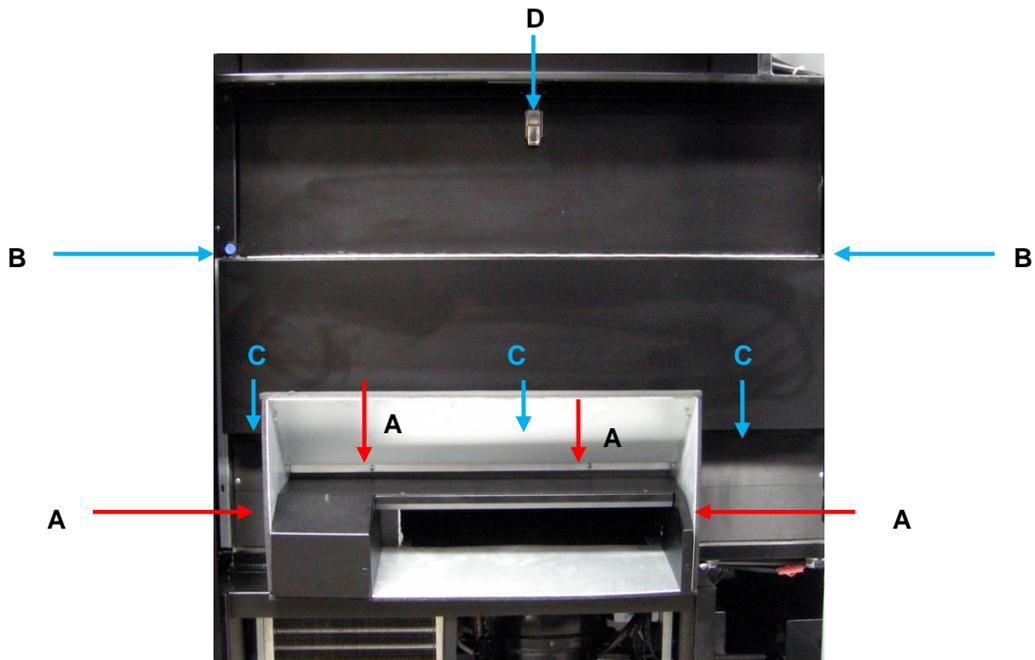
Unfortunately, this is not the case with healthy vending beverages. These companies do not follow a standard and some will change the size and/or shape of their cans and bottles. This makes vending healthy beverages more of a challenge.

The adjustable shim that comes in each lane of your beverage section will allow you to vend a majority of healthy beverages – however, not all beverages can be vended. For example, you should not attempt to vend drinks that are in square or octagonal shaped bottles or cans. You should also be very careful with any product greater than 20 oz. and with tall, thin cans or bottles. Some thinner products can be vended using a Red Bull kit which you may purchase through the Coaching department.

We recommend you test vend any bottles or cans that are of an unusual size or shape. You will want to purchase a small quantity of these products locally and test vend them prior to purchasing them in bulk.

To access the Vertical Drop Cavity, follow the steps shown in Figure 9 (next page), unlatch the Door and lift the front up and off.

Figure 9 – Removing Vertical Drop Cavity Front

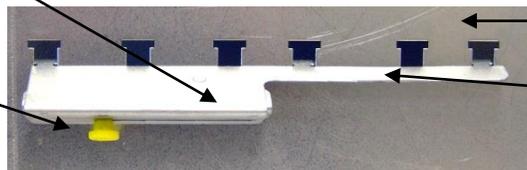


- A.) Remove silver product chute by removing 4 screws.
- B.) Remove thumb screws from vertical drop cavity front
- C.) Loosen 3 screws
- D.) Unlatch and lift the front up and off.

The shim positions are adjustable in each column and are factory set as shown below.

Shim position – 12 oz. cans

Thumb screw

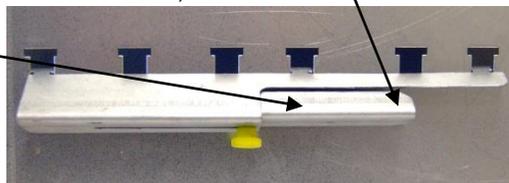


Side Wall

Adjustable Shim

Shim position – 16.9 oz bottles and cans, 20 oz bottles

Adjustment Bar



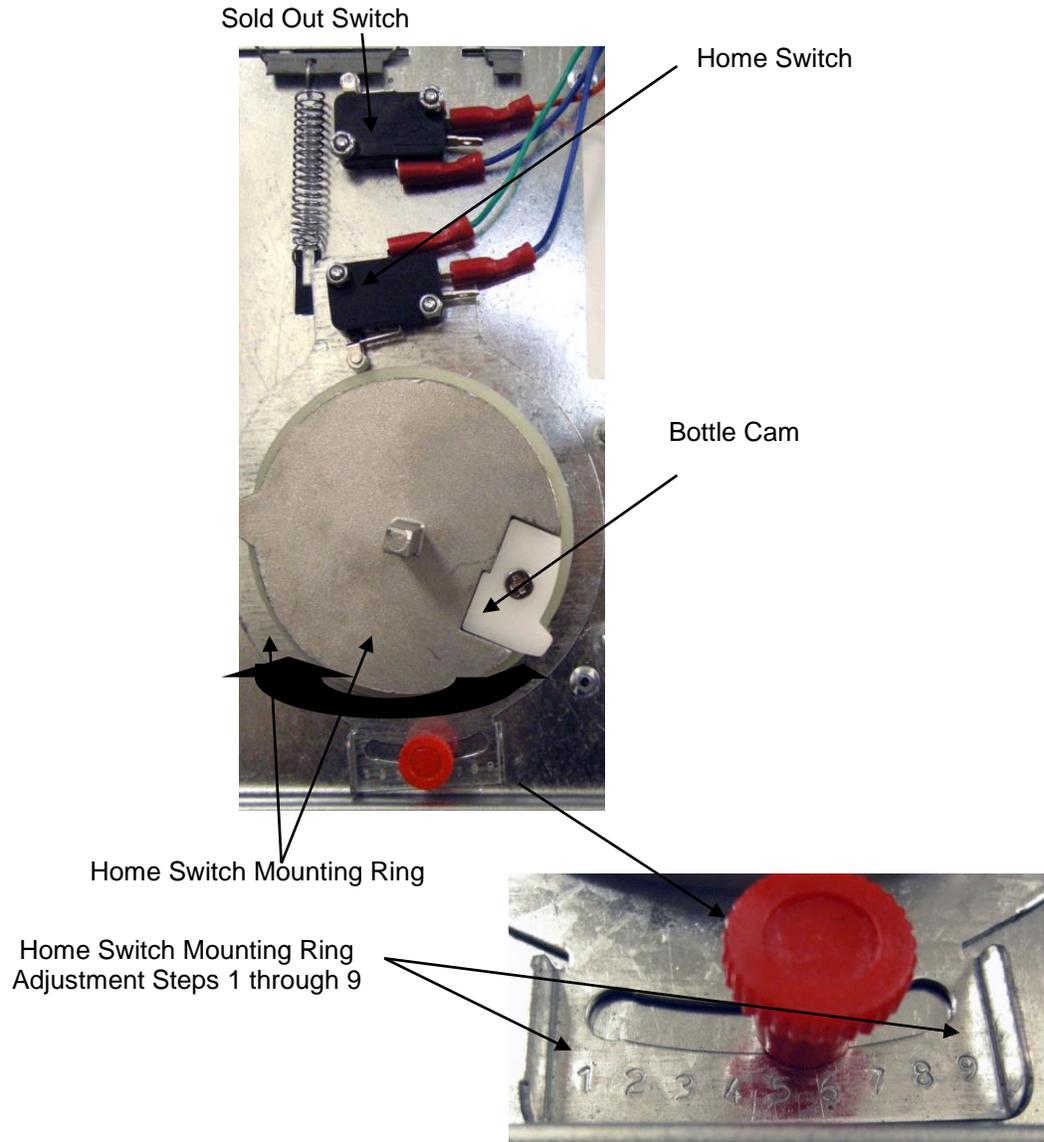
To adjust the shim, loosen the thumb screw **ONLY SLIGHTLY** and slide the adjustment bar to the correct position. Tighten the thumb screw. Unusually shaped product may take some testing, trial and error to determine the correct adjustment.

Specialty kits are available from Coaching for Red Bull and other packaging, but are not included.

Home Switch Adjustment

Due to variance in product sizes, it may be necessary to adjust the position of the Home Switch. This can be accomplished by rotating the Home Switch Mounting Ring clockwise or counter-clockwise in one step increments to adjust the stop position of the Auger. There are 9 adjustment increments etched into the Home Switch Mounting Ring as shown in Figure 10:

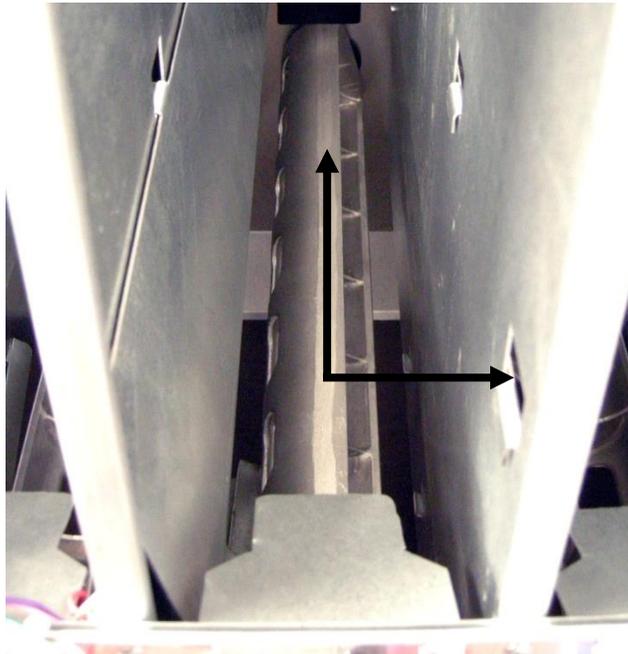
Figure 10 - Front of one vertical drop selection; motor removed



To make adjustments:

- 1.) With the column empty, test vend the selection to rotate the Auger until the opening faces the 3:00 o'clock position (Figure 11). ***This is the beginning of the vend cycle and the Home position of the auger.***

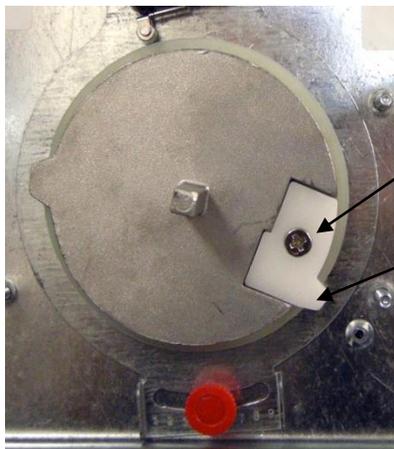
Figure 11 – Auger in Home position with opening facing 3:00



- 2.) Load a single row of drinks on top of the Auger
- 3.) Perform a single test vend – if no product drops, the Auger did not turn far enough. Adjust the Home Switch Mounting Ring counter-clockwise one notch only.
- 4.) If two products drop on the first vend in Step 3, the Auger turned too far. Adjust the Home Switch Mounting Ring clockwise one notch only.
- 5.) Go back to Step 2, noting that one and only one product should drop. If this is a 12 oz. can column, test three times to insure that all three products drop correctly.

Fill the column to the top and run a full cycle one more time, as the weight of a full column may change the dynamics of the vend operation. If a full cycle vends one product per vend, the column is set correctly

Figure 12– Can Cam and Bottle Cam (Bottle Cam shown Installed on Auger)



Bottle Cam shown installed on Auger.

Lobe

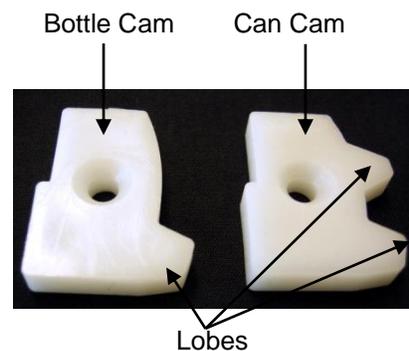
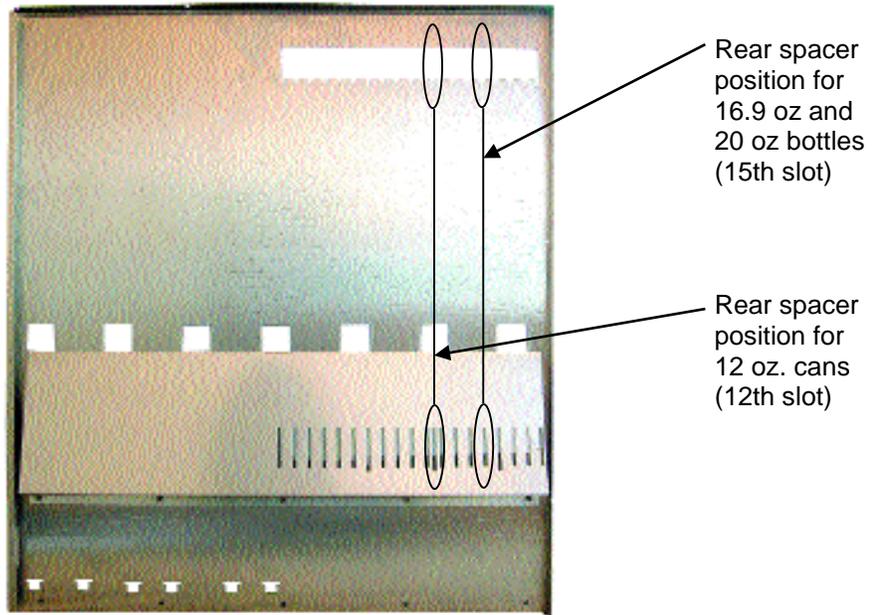


Figure 13 – Rear Spacer Adjustment



You may need to adjust due to product height variance.

Figure 14 - Rear Spacer

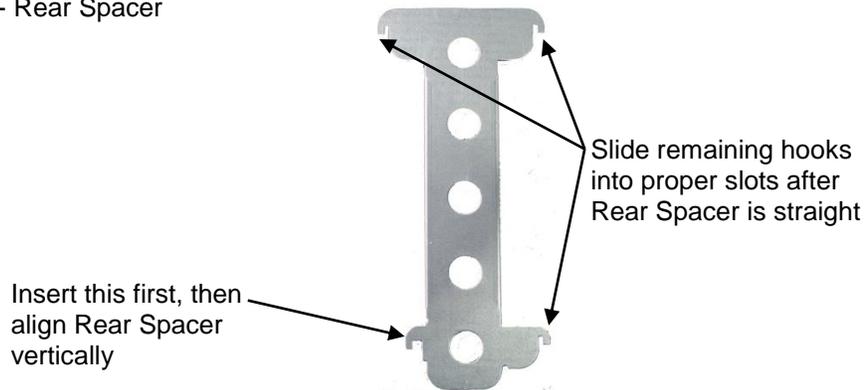
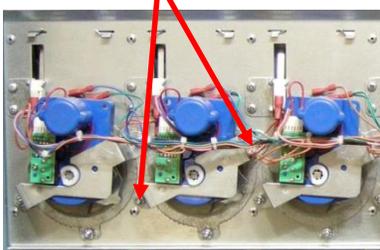


Figure 15 – Removing Vertical Drop Motors and Auger System

Note: Always unplug the vending machine from the wall before replacing any parts.

Remove two fasteners holding in motor/bracket.



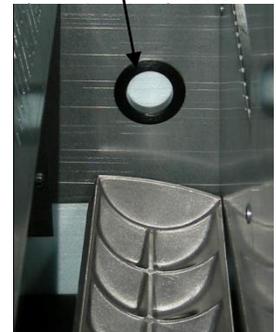
If replacing motor, unplug the wire harness and slide motor off shaft.

If replacing auger, continue with the instruction to the right...

Remove Auger by pulling straight out...



Insure that rear Auger Bushing does not become disengaged



LIVE DRINK PRODUCT DISPLAY

Your machine has a live product display shelf for the drinks. Take care to use packaging that is in perfect condition and products that are still within their expiration date to present the best possible advertisement to your potential customers. To display your products:

- 1.) Remove the Drink Display Back Panel by loosening and removing the thumb screws located on either side of the panel.
- 2.) Place each beverage, in order of selection, in the display window taking care to make them evenly spaced and oriented properly toward the front of the machine where the customer will see them.
- 3.) Reinstall the beverage back panel.

Note: you may wish to apply double sided tape to the bottom of the drink packages to keep them in place when the door is opened and closed.

Figure 16– Live Drink Display
(Shown from back with back panel removed)



PAYMENT SYSTEMS

COIN CHANGER

The Coin Changer receives and returns change to customers. The Coin Changer will accept Quarters, Dimes, and Nickels. Once the coin tubes reach the required inventory level, all other coins will be routed into the coin overflow tray.

LOADING CHANGER

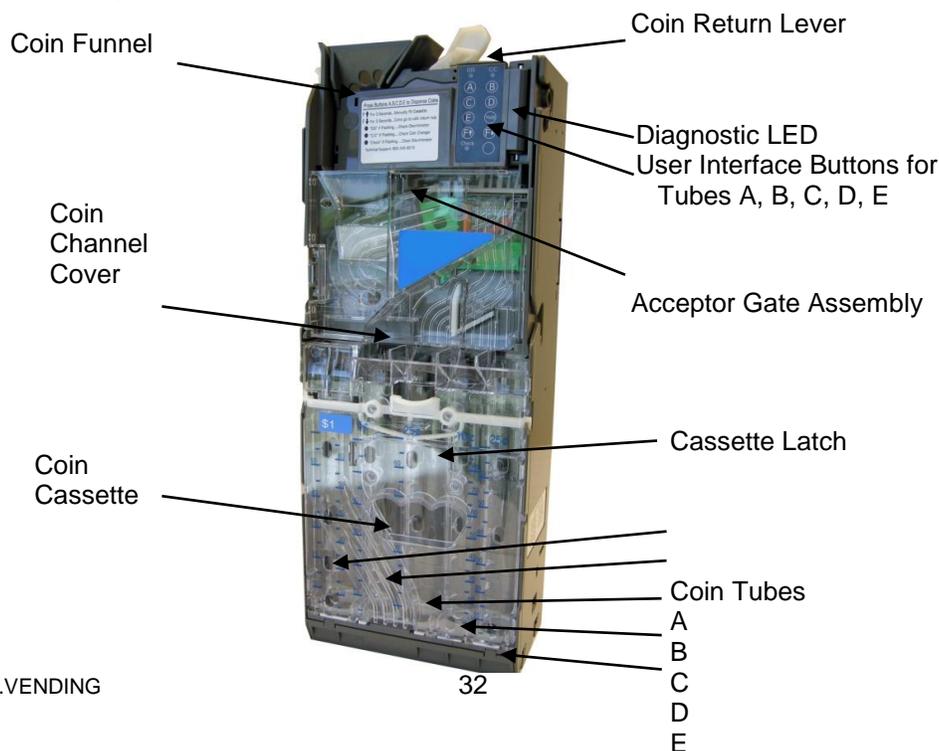
As change is given to the customer in coins only, it is recommended that you initially load the coin hoppers completely full when setting up your machine and that you do not allow your machine's coin inventory to drop below this level, with the exception of the dollar coin tubes, which can be loaded with 30 dollar coins. In order for your VMC to keep an accurate coin inventory, enter Service Mode, scroll through to Settings, then the Coin Refill submenu, and load coins in through the front coin slot, as if you were inserting money to purchase items. Once the coins start dropping into the coin box, that means that the coin tubes are full and the VMC has an inventory of coins stored and will calculate transactions accordingly. This is also known as priming the changer.

COIN RETRIEVAL

The Coin Overflow Tray holds all accepted coins except for coins needed to maintain inventory in the Tubes. The User Interface Buttons are located on the upper portion of the changer (Figure 17). When in Service Mode, go to the Settings Menu, Coin Refill submenu and press a User Interface Button on the changer to dispense the coins in that tube. Note that the changer will empty that selection of coins. To stop this mode, press the selection's User Interface Button again.

Note: You may also physically remove the Coin Cassette to load and unload coins. Note that doing so will not maintain audit totals.

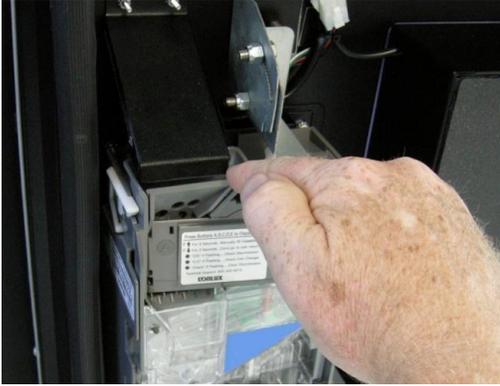
Figure 17 - Coin Changer



CLEARING COIN JAMS

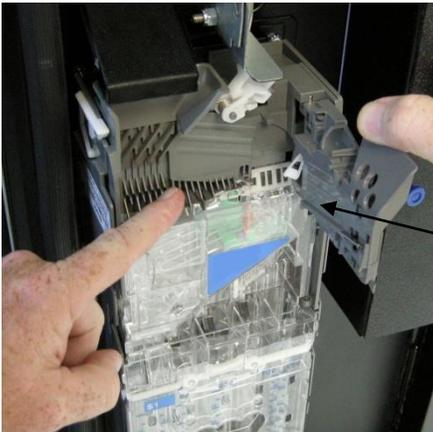
1. Unplug the machine from the power source
2. Unlock and open the Front Door
3. Open the Acceptor Gate Assembly by pulling forward on the Coin Funnel

Figure 18a - Coin Funnel



4. Check for coin jams in this area. Note: the ramp in this area should also be cleaned on a regular basis to insure trouble-free operation.

Figure 18b - Coin Ramp



Coin Ramp – keep clean

5. Open the Coin Channel Cover by using the tab on the left side to pull forward

Figure 18c - Coin Channel Cover



6. Check this area for any jammed coins
Figure 18d – Check for Jams



REMOVAL OF COIN CHANGER

To Remove the Coin Changer:

- a. ***Disconnect the power to the machine – this is very important to avoid damaging not only the coin changer but your VMC. Failure to disconnect power before performing this operation will void your warranty.***
- b. Disconnect the Wire Harness to the changer

Disconnect
Wire Harness



- c. Lift up on the white lever on the top left side of the coin mechanism
- d. Tilt the Discriminator assembly forward and lift off main housing. Note: the discriminator will still be attached by a cable.
- e. Loosen the three (3) Mounting Screws

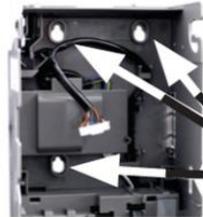
Figure 19 – Mountain Screws



Push Up



Tilt Out



**3 Mounting
Holes**

- f. Lift Changer and remove.

BILL VALIDATOR

The Bill Validator allows your customers to pay for their purchase with paper currency. Your Bill Validator is installed at the factory, and is set to validate \$1 and \$5 bills, but will not accept bills if the coin tubes are empty. The Bill Validator verifies, accepts and stores paper currency but change is given in coins only. The Bill Storage Box will hold approximately 250 bills. The bills your customers spend are kept in the Bill Collection Box.

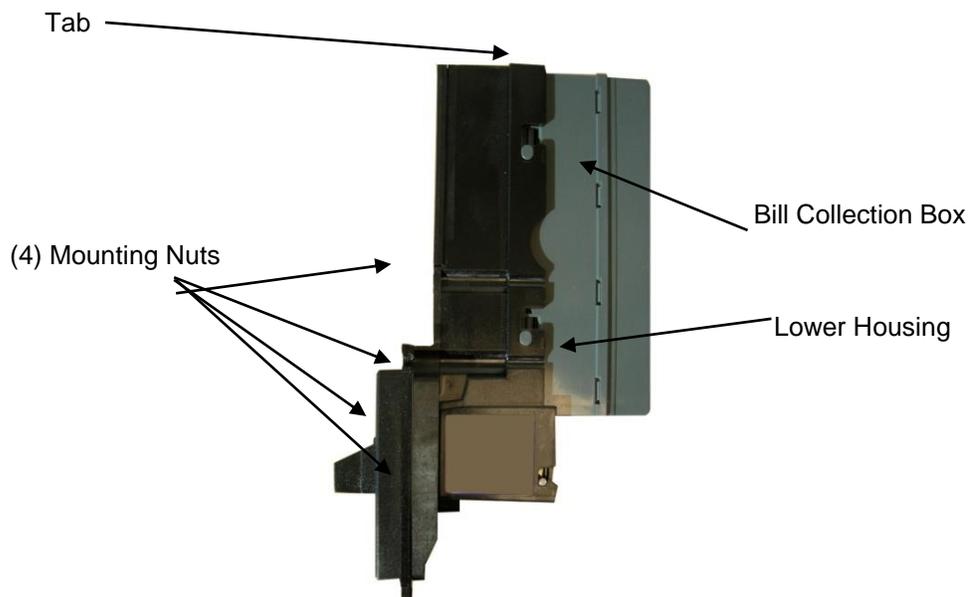
1. To Retrieve Bills.

- a. Unlock and open the Front Door
- b. Open door located on top of bill collection box and lift out bills



- c. Close top door on bill collection box after bills are retrieved

Figure 20 – Bill Validator



REMOVING BILL VALIDATOR

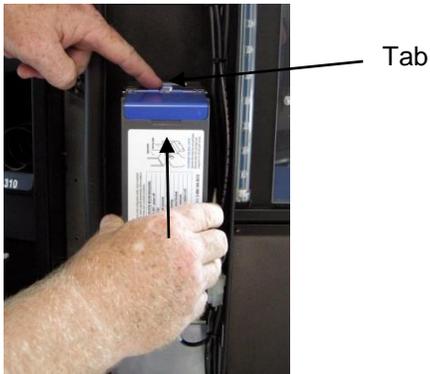
From time to time it may be necessary to remove the Bill Validator for cleaning and clearing jams.

1. To remove the Bill Validator

a. Disconnect the power to the machine – this is very important to avoid damaging not only the bill validator but your VMC. Failure to disconnect power before performing this operation will void your warranty.

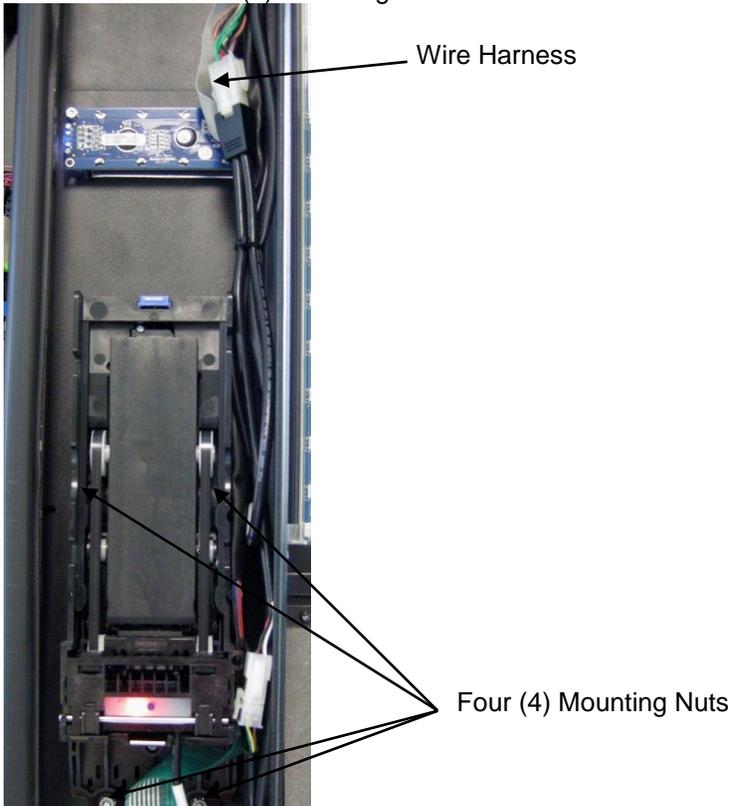
b. Unlock and open the Front Door

c. Push Bill Validator Tab forward and slide Bill Storage Box up to remove



d. Disconnect Bill Validator from Wire Harness

e. Remove the Four (4) Mounting Nuts.



f. Remove Bill Validator

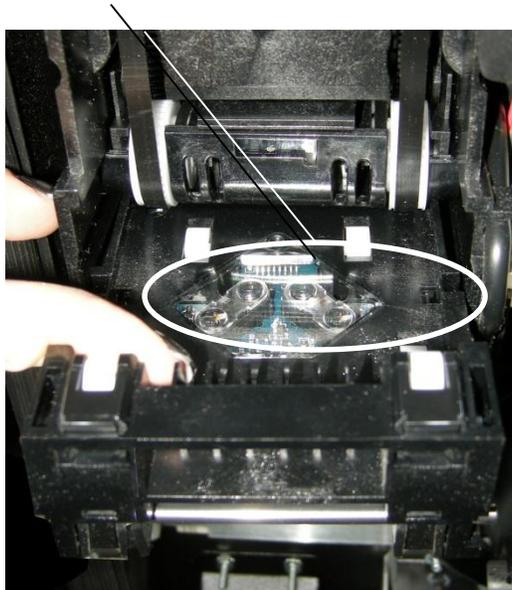
CLEARING BILL JAMS

It is possible that a torn or damaged bill can jam within the Bill Validator, putting it out of service.

1. To Clear a Jam.
 - a. Remove Bill Collection Box as instructed in Bill Retrieval and inspect for a jammed bill
 - b. Remove bill jam, and reassemble
 - c. If no jam was found in the Bill Collection Box, lift up on the metal bar at the bottom of the bill validator and pull the lower unit out towards you.



- d. Inspect and remove jammed bill.



- g. Replace lower unit to resume normal operation.

ePORT CREDIT/DEBIT CARD READER

Your ePort was installed prior to shipping your machine, and you will need to follow the activation instructions in the enclosed USA Technologies Quick Start Guide.

An ePort can be installed in existing machines as an upgrade very easily. In addition to the activation mentioned above, you will need to use the following instructions to install the hardware.

Components:

E Port Card Reader

MDB Cable

DEX Cable

Antenna

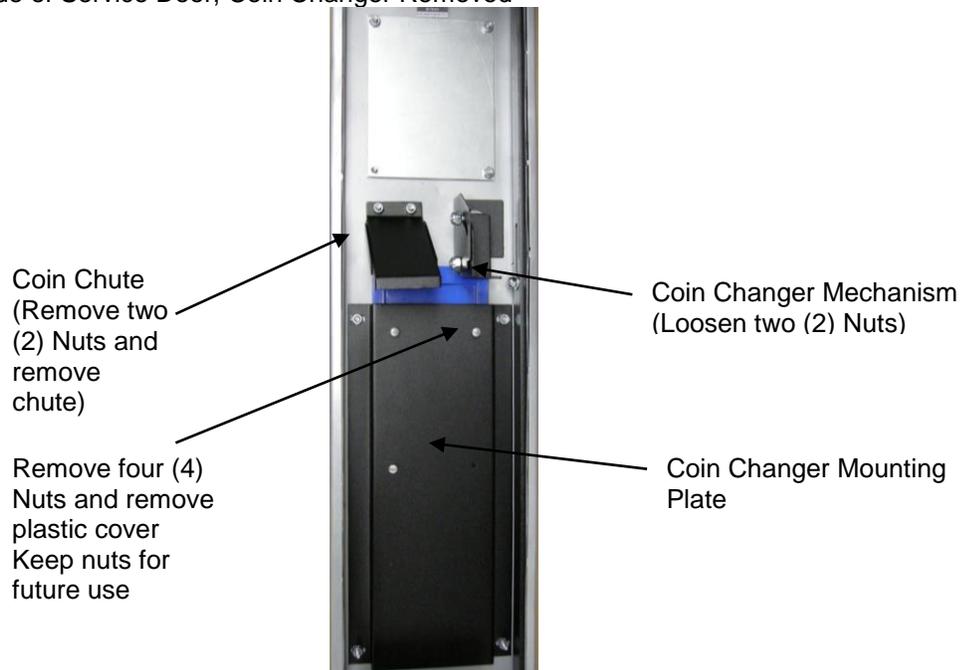
USA Technologies Quick Start Guide

Note: take this opportunity to record the serial number of the ePort card reader on page 4 of this manual. The serial number can be found on a white label attached to the processor mounted inside the cabinet next to the VMC. The serial number can also be accessed electronically by unplugging the machine and then plugging it back in, which causes the ePort to reboot and display the serial number for 4 seconds on the LCD screen of the ePort reader, located on the front of the machine service door.

To install:

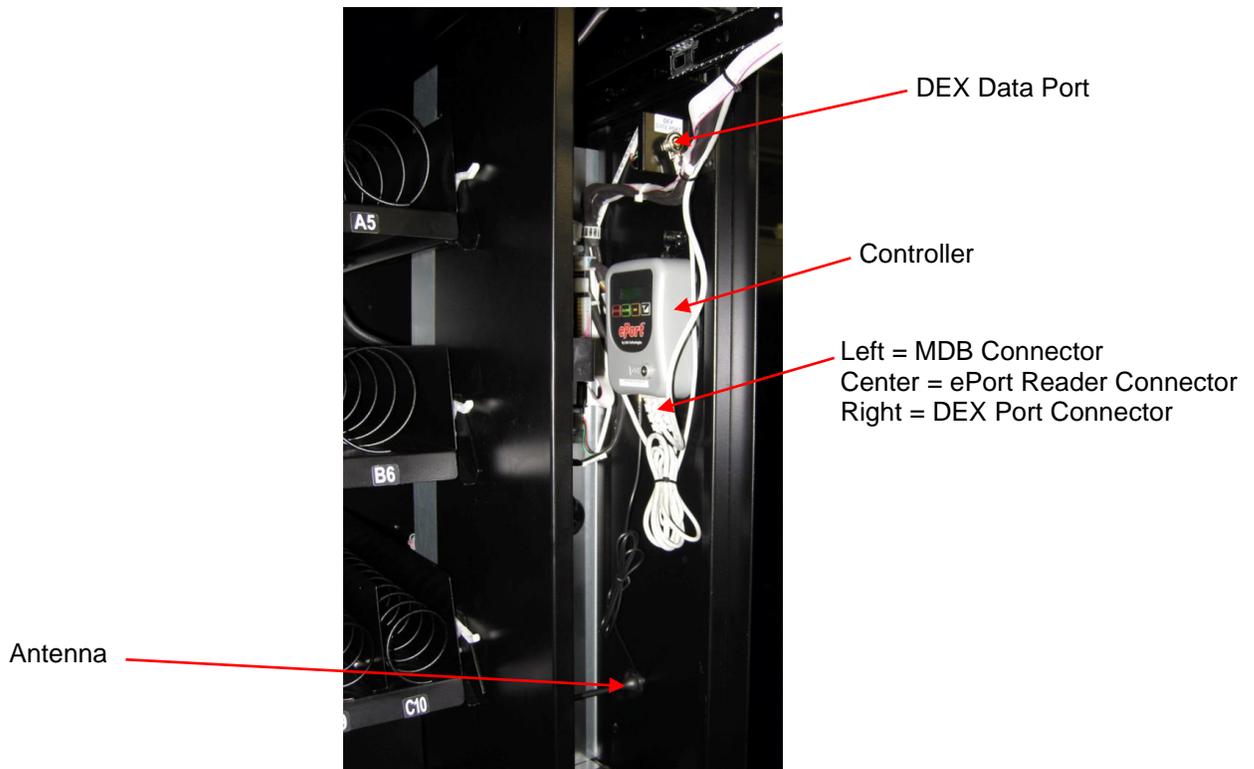
1. Unplug the machine from the power source
2. Unlock and open the service door
3. Remove the coin chute
4. Loosen the coin return mechanism
5. Unplug and tilt changer discriminator down
6. Remove coin changer
7. Remove coin changer mounting plate
8. Remove plastic cover from the ePort card reader opening, keeping nuts for next steps (see Figure 21)

Figure 21 – Inside of Service Door, Coin Changer Removed



9. Assemble ePort card reader according to the enclosed Quick Start Guide instructions
10. Install the ePort card reader using the same nuts from the plastic cover (see step 8)
11. Replace coin changer mounting plate, routing ePort cable at top of plate
12. Route cables up side of service door
13. Reinstall coin chute
14. Tighten coin return mechanism (see Figure 21)
15. Reinstall coin changer
16. Install Controller on the inside right hand wall of the VMC compartment (See Figure 22), using supplied Velcro strip to install.
17. There are 3 wires coming out of the bottom of the Controller:
 - a. Left = MDB Connector
 - b. Center = ePort Reader Connector
 - c. Right = DEX Port Connector
18. Unplug the existing MDB connector from the top right corner of the VMC and plug it into the corresponding MDB connector on the left wire coming out of the Controller.
19. Plug the other MDB connector on the left wire back into the MDB port of the VMC.
20. Plug the right wire into the DEX Port (See Figure 22)
21. Route the center wire up to the top of the compartment and out of the cabinet to the service door. Plug this connector into the plug on the ePort Reader.
22. Attach the Antenna into the port on the bottom of the controller and place magnetic base toward the top of the compartment (See Figure 22).
23. Use zip ties in ePort kit to retain cables and keep from mechanical path and door
24. Insure that all cable connections – especially keypad and display – have remained connected though the installation process
25. Plug the power back into the machine

Figure 22 – ePort Card Reader Installed



To tell the machine that there is a card reader, you must next:

26. Access the VMC in the cabinet
27. Enter into Service Mode by pressing the MENUS button.
28. Scroll to SETTINGS - PAYMENT DEVICES
29. Scroll to CREDIT CARD READER 1, Press F, Set to ON using the up and down arrows.
30. Press G to EXIT Service Mode.

Note: Steps 28 and 29 can also be completed via SmartWarePro™.

The ePort display should say "Ready"

NOTE: You are required to activate the ePort card reader through USA Technologies prior to use. See USA Technologies quick start guide for details. You will need the serial number of the ePort card reader which can be found on the box (the box can be found packed between the product trays in the case of a factory install).

The ePort card reader communicates with USA Technologies through a cellular signal. If the machine is set up in an area with poor cellular coverage, please contact USA Technologies to discuss what course to take.

Note: When a customer swipes their card to purchase from your vending machine, the display will show the credit for the highest price selection in the machine. When the selection is made, the card reader will display the actual vend price of the selection. As transactions made with a card reader automatically activate the MultiVend mode on the VMC, the customer will need to press either the Coin Return or the Complete button on the card reader to end the transaction. Up to 3 selections can be made or up to the preauthorization amount, whichever comes first. If no action is taken by the customer, the transaction will time out after 15 seconds.

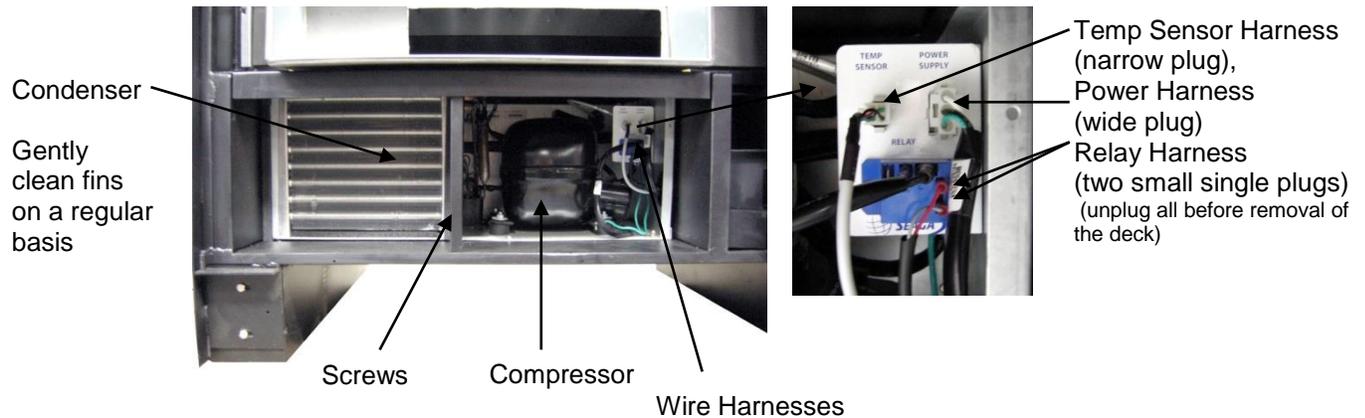
Additionally, you should be aware that each card transaction will automatically hold the preauthorized amount you agreed to with the card reader company until the process is completed. For example, a customer making a \$2 vend transaction with a card will see a \$6 (for example) hold on their card until all processes are completed and the actual vend amount is posted.

REFRIGERATION DECK

Your beverages are kept cold by a high efficiency refrigeration system having two air circulation fans to chill the cans and bottles. The refrigeration unit can be easily accessed by opening the Front Door. Unplug the vending machine from the wall socket. Remove the screws from the vertical partition at the center of the refrigeration deck and unplug the three wire harnesses (Fig. 23). The refrigeration deck can now be pulled out from the machine. Please make sure you unplug wire harnesses prior to pulling all the way out.

The refrigeration deck is a pullout modular system consisting of Compressor, Condenser, Condenser fan, Evaporator, Evaporator Fan, Accumulator or Dryer, and Temperature Sensor which communicates to the VMC. The temperature is pre-set at the factory for efficient and effective operation at an optimum 38° to 42° range.

Figure 23 – Refrigeration unit



CLEANING THE CONDENSER

Dust and dirt restricts good airflow and cooling of the condenser, which will not allow the refrigeration unit to chill the beverages properly. Brush the dirt and dust from the condenser fins every thirty (30) days as routine maintenance. You can also blow canned air, available at computer and office supply stores, on the condenser or vacuum clean it. Do not damage the fins of the condenser while cleaning.

REFRIGERATION

Refrigeration is the transfer of heat from one area to another. In the case of this machine we are transferring the heat from the area containing the beverage selections to the outside of the machine and dissipating the heat throughout the room. The more heat we are able to transfer away from the beverages the colder they become.

This process is accomplished by the use of a sealed compressing system using an ozone friendly gas commonly known as R134a refrigerant. The system is comprised of several key mechanical components: the condenser, the evaporator and the compressor. The condenser is located in the lower front left of the machine and it is where the heat is dissipated from the cooling process and blown to the outside of the machine. The evaporator is located inside the machine towards the back of the cooling system underneath the beverage unit section being cooled. Its purpose is to absorb the heat from the drink selections and provide the cool air needed to refrigerate the beverages. The compressor is the heart of the cooling system and its purpose is to provide pressure and circulation of the refrigeration gas.

The refrigeration system is monitored and controlled by several key electrical components. The condenser fan, evaporator fan, temperature sensor, VMC, and the start and overload components located on the side of the compressor. The line voltage from the outlet in the room is fed to the two fans, the condenser and the evaporator fans, and they run continuously as long as the machine is plugged into power coming from

the wall. The temperature sensor and VMC control the on and off cycling of the compressor. The temperature sensor is located on the back side of the refrigeration deck.

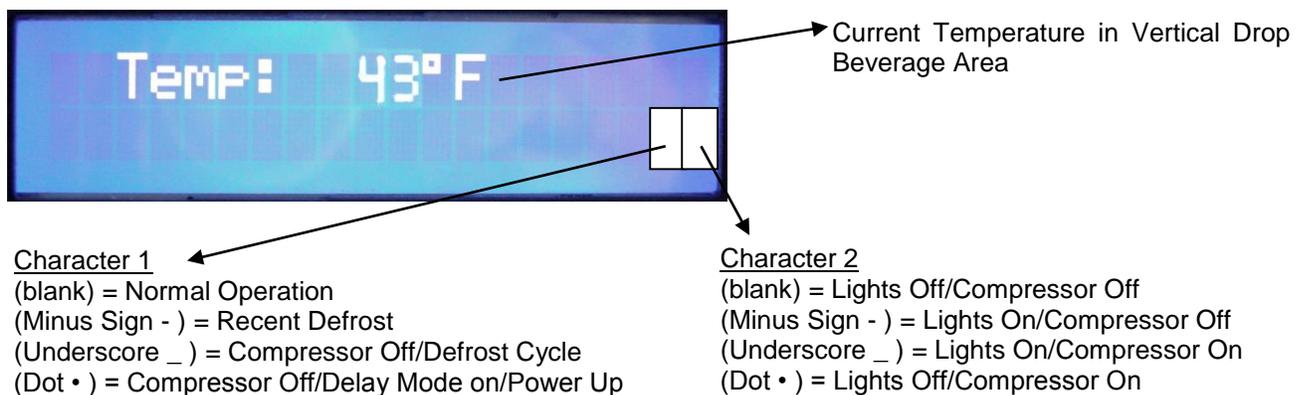
To determine if the compressor system is running it is sometimes difficult due to the fact that the compressor tends to be very quiet. The sound and slight vibration from the fans running can sometimes be mistaken for the compressor running. One way to tell if the compressor system is running is to cautiously place your hand on the compressor to feel if it is warm. **CAUTION** as it may be hot to the touch. If the compressor is stone cold and stays that way for an extended period of time, you can assume there is an electrical problem in the circuitry or components that operate the compressor. Another way to see if the compressor is running is to feel the air exiting the condenser coils from the front to see if there is any heat.

Any problems with the fans running can also lead to a cooling system failure. In order for any cooling system to operate properly it is most important that all fans are running and that the condenser coil is kept clean and free of any dust, dirt or obstructions. The evaporator fans go on and off with the compressor. **The condenser fan should run continuously when the machine is plugged in.**

REFRIGERATION STATUS DISPLAY

Press the "0" key on the Keypad when the machine is in Sales Mode to display the following indications of the refrigeration system activity on the LCD Display:

Figure 24 – Refrigeration Indicators on LCD Display



ENTREE UNIT INSTALLATION

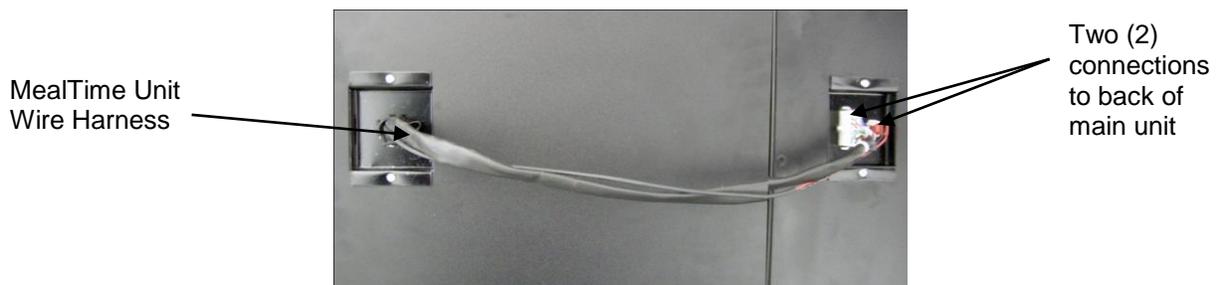
- A. Remove all shipment/packing materials, inspect unit for damage.
- B. Place the Entree Unit on the right side of the machine (when standing – facing it), open the door and align the holes on the. Using the bolts and washers provided, (2 each) attach the Entree Unit to the machine. (Figure 24)

Figure 25 – Entree Unit Physical Connection



- C. Connect Wire Harness from the Entree Unit to the machine's VMC. (Figure 25)

Figure 26 – Wire Harness connection



LOADING THE ENTREE UNIT

The machine arrives with wire ties holding down the product coils to avoid damaging the product trays. Before any testing can be done, you must remove these wire ties. Also remove the tape holding down the tray locking levers.

Attach the Entree Unit to the machine as instructed above. You are now ready to load your products and test vend.

SMARTWAREPRO™

The SmartWarePro™ setup utility enables you to set up SmartCards to be used to set the configuration of your vending machines. The utility works in conjunction with a USB smart card reader.

System Requirements

- SmartWarePro™ CD (included)
- Approved USB Card Reader (included)
- SmartCards (included)
- PC with the following specification:

	Recommended
Processor	Pentium P4 1000MHz or better
RAM	> 256M byte RAM
Free Hard Disc Space	> 100Mbyte
Graphics	1024 x 768 256 color SVGA
Operating System	Windows 7
CD-ROM	Yes
USB port	More than One

- **Software Installation**

Either:

- Insert the CD into the CD ROM drive
- Select the "Install SmartWarePro™" option

Or:

- Run the program "**setup.exe**" in the top level folder on the CD and follow the instructions.

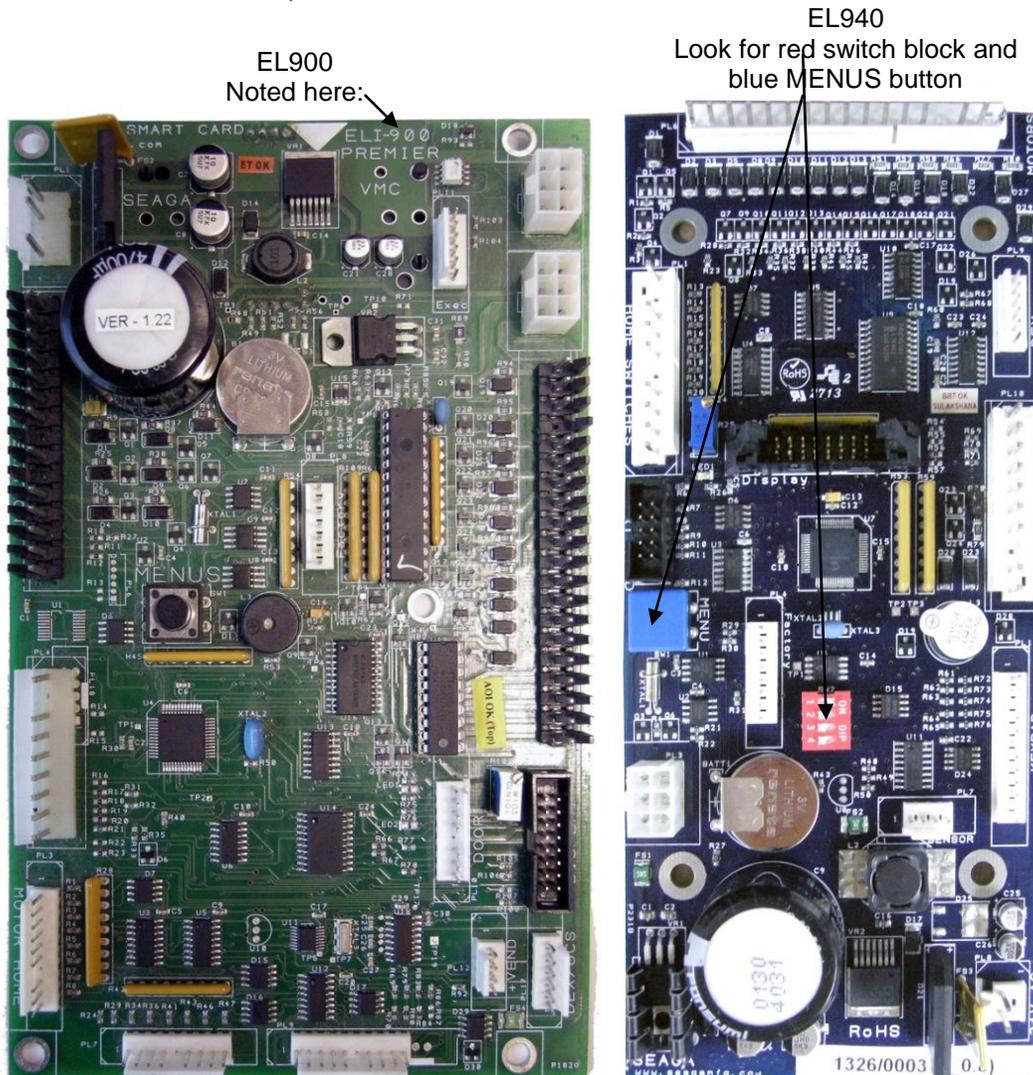
- **General Guidance**

- After making changes in the tabs that follow you must save these changes to a file on your computer or to a SmartCard. If you do not save these changes they will be lost once you exit SmartWarePro™.
- We recommend that you create a file for each machine as each one will have its own unique prices. We recommend that you create a folder titled "Smartware Settings" and then name each file in the folder by a machine number (such as "Machine 5") or by location (such as "Main Street Gym").
- If you will be making temporary changes to a machine such as instituting short term Discount Pricing (explained on page 5) you will want to have a unique name for that file such as "Main Street Gym Temporary". This will allow you to revert back to the regular settings at any time.
- While you can make many changes on your machine using SmartWarePro™ it is recommended that you talk with technical support before using advanced features. These are outlined on the pages that follow.

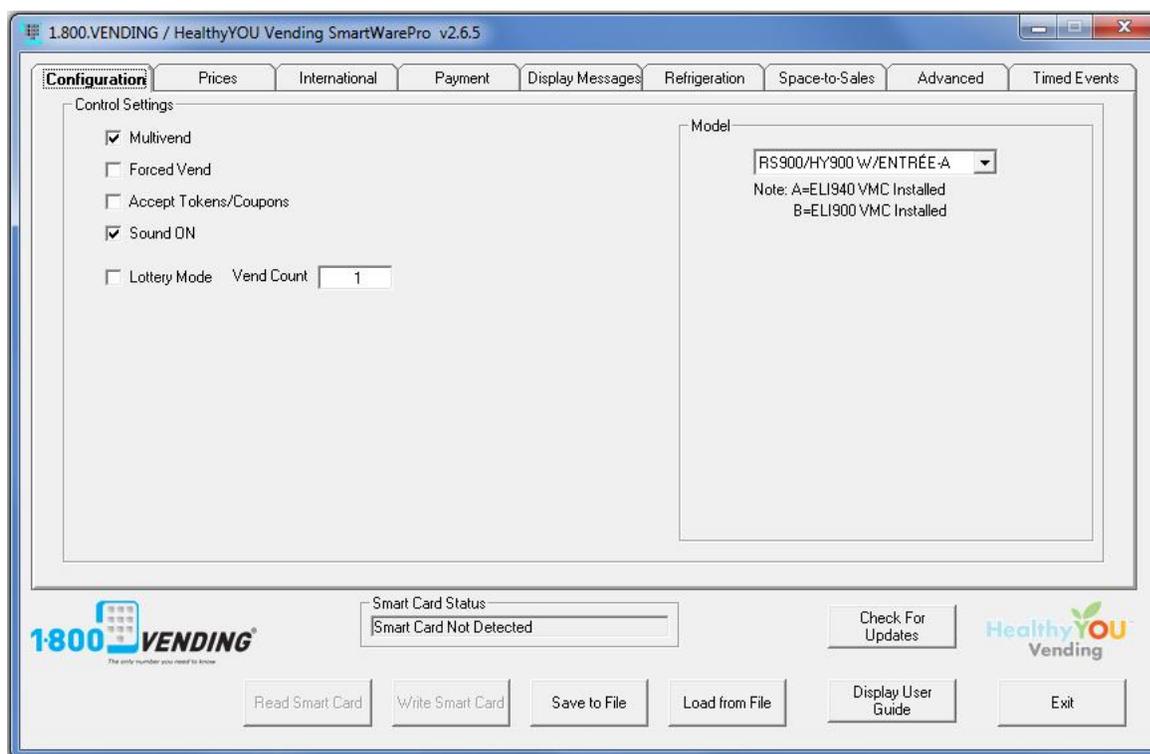
- **Saving Changes**

- After changes have been made, select "Save to File" and name the file as explained above in the folder you have set up.
- Plug the USB connector into your computer and place a SmartCard in the reader.
- Select "Write SmartCard". During the Write Process you may see a status message that reads "Writing SmartCard".
- When the write is complete you will receive the message "SmartCard Write Complete"

- **Inserting Changes**
 - Remove the SmartCard from the USB reader.
 - At the machine, plug in your remote reader to the port, then insert your programmed card.
 - After the SmartCard has been read and the changes instituted, the LCD screen on the machine will read “Complete. Remove Card”. Your machine is now ready for use with the new machine settings.
- **What VMC Board Version is Installed in Your Machine?**
 - You will need to know this for proper use of Smartware.
 - At a quick glance, the EL940 Board has a red panel of dip switches in the bottom center of the board and the EL900 does not.
 - The EL940 has a blue MENU button and the EL900 has a black menu button.
 - The EL900 board notes EL900 in the upper right corner.
 - Both boards are pictured below:



CONFIGURATION TAB



Machine Type

It is important to select the proper Model on this page so that all pricing options are available on other pages. If the machine you are configuring does not have an entrée unit you should select RS900/HY900, choosing A for ELI940 version VMC or B for ELI900 VMC. See previous page to easily discover which board version is installed in your machine.

If the machine you are configuring does have an entrée unit attached you should choose RS900/HY900 W/ ENTRÉE, choosing A or B as described above.

General Operations

Read Smart Card – read an existing SmartCard

Write Smart Card – program a card with the current settings

Save to File – save the complete settings to a text file that can be displayed later

Load from File – displays saved configuration information

Check Website for Latest Version – Not Used. Updates are downloaded via the Support Site

Display User Guide – Opens the SmartwarePro™ User Guide

Exit – closes SmartWarePro™. Changes are not saved unless Save to File or Write Smart Card have been chosen.

Card Status – shows the status of the card reader

No card inserted

(Read and Write Card buttons are disabled unless a card is inserted in the USB card reader.)

256K smart card

Standard SmartCard inserted

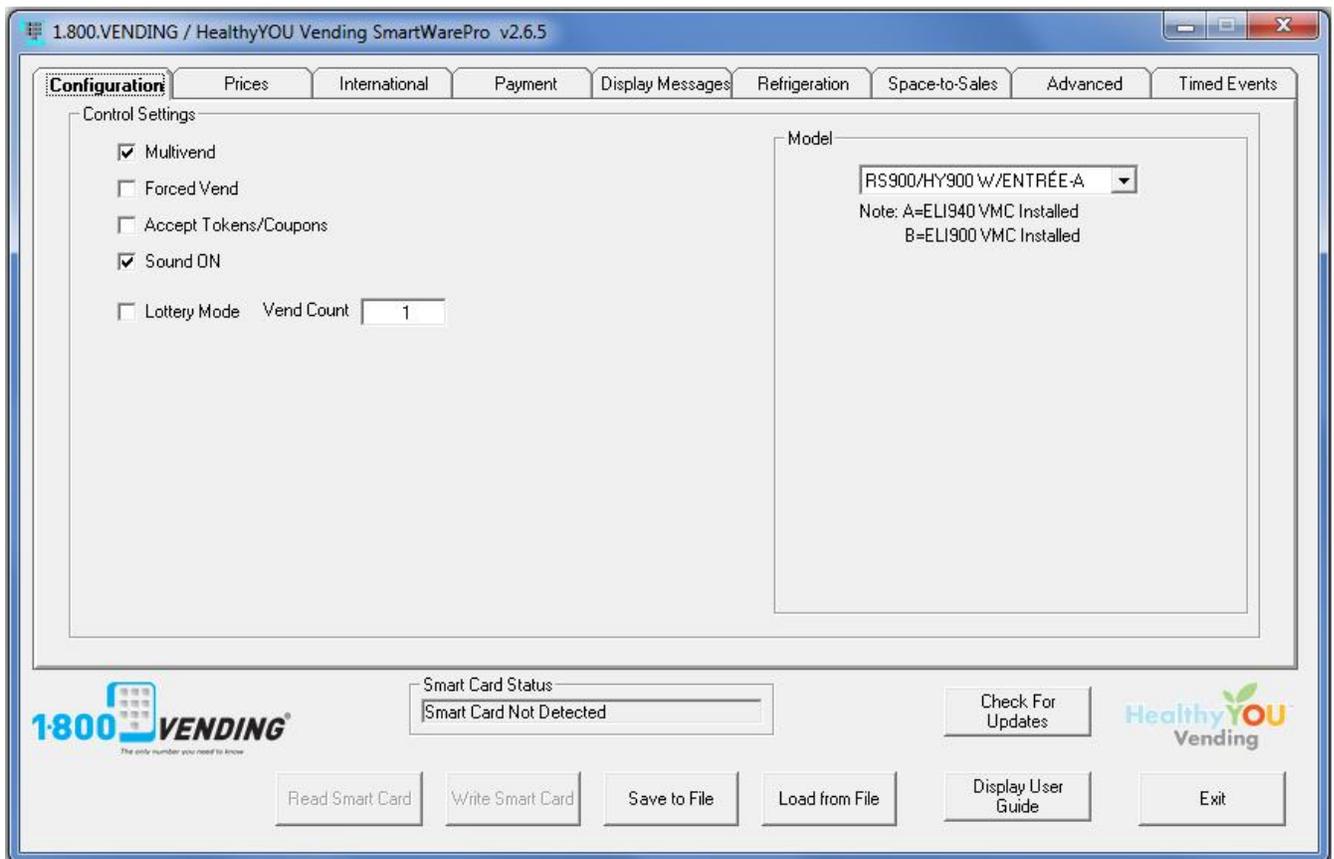
512K smart card

Alternate SmartCard inserted

Notes

If an Audit or a Temperature Logging Card type is being read the data will be saved to a file once the read is complete. There is a prompt for the file name and an option to clear the card after it has been saved to the file. Refer to Appendix 1 for the file formats.

CONFIGURATION TAB (continued)



Machine Selection / Basic Settings

Multivend, Forced Vend, Accept Tokens/Coupons and **Sound ON** – check the option to enable the corresponding feature.

Multivend – if change is due, prompts the customer to make another selection rather than just returning change automatically. Change after a vend is only given when the Coin Return Button is pressed. The recommended setting for Multivend is ON (checked).

Forced Vend – if money is inserted, a vend must be made before change is given. The recommended setting for Forced Vend is OFF (unchecked).

Accept Tokens/Coupons – used in custom setups arranged through Coaching and Technical Support.

Sound ON - audible beep is heard by the customer when they press buttons on the keypad.

Lottery Mode – check this option and enter a “**Vend Count**” value to allow a free selection, every “**Vend Count**” vends. If the Vend Count is set at 100 a free vend will be given every 100th vend.

PRICES TAB

1.800.VENDING / HealthyYOU Vending SmartWarePro v2.6.5

Configuration | **Prices** | International | Payment | Display Messages | Refrigeration | Space-to-Sales | Advanced | Timed Events

Main Prices

A1	150	A2	150	A3	150	A4	150	A5	150	A6	150								
B1	175	B2	150	B3	150	B4	150	B5	150	B6	350								
C1	150	C2	200	C3	200	C4	200	C5	200	C6	200	C7	200	C8	200	C9	200	C10	150
D1	150	D2	250	D3	250	D4	250	D5	300	D6	125	D7	125	D8	300				
E1	250	E2	250	E3	250	E4	400	E5	400	E6	275	E7	500	E8	500	E9	250	E10	400
F1	250	F2	250	F3	150	F4	150	F5	150	F6	150								

Price Bank: Main Prices | Machine: Main Machine | Set All Prices | ALL Price: 100

Smart Card Status: Smart Card Not Detected

1.800.VENDING | Check For Updates | HealthyYOU Vending | Read Smart Card | Write Smart Card | Save to File | Load from File | Display User Guide | Exit

Main Prices

Select **Main Prices** using the **Price Bank** pull-down.

This screen will display the applicable selections based on the Model chosen on the Configuration Tab. If you see too many or not enough selections check the Model you have selected.

To set a particular **price**, type the value, in cents, into the corresponding **price box**. Values of \$1 - \$9.95 or more are entered as three digits with no decimal point. For example, \$1.00 would be entered as 100, \$1.50 as 150 etc. Values of \$10 or more are entered as four digits with no decimal point. For example, \$15.50 is entered as 1550.

To set **ALL** the prices to the same amount, enter the amount in the **ALL Price** box and click the **Set All Prices** button.

Individual selections may be named – refer to the **Display Messages** page for more details.

Note: A6 is not an actual selection on your A tray; the selection appears in SmartWarePro for calibration purposes. Any price set here will not apply to any selection in your machine.

PRICES TAB (continued)

1800.VENDING / HealthyYOU Vending SmartWarePro v2.6.5

Configuration Prices International Payment Display Messages Refrigeration Space-to-Sales Advanced Timed Events

Discount Prices

A1	75	A2	75	A3	75	A4	75	A5	75	A6	75								
B1	90	B2	75	B3	75	B4	75	B5	75	B6	175								
C1	75	C2	100	C3	100	C4	100	C5	100	C6	100	C7	100	C8	100	C9	100	C10	75
D1	75	D2	125	D3	125	D4	125	D5	150	D6	150	D7	65	D8	125				
E1	125	E2	125	E3	125	E4	200	E5	200	E6	140	E7	250	E8	250	E9	125	E10	200
F1	125	F2	125	F3	125	F4	125	F5	125	F6	125								

Price Bank: Discount Prices Machine: Main Machine Set All Prices ALL Price: 100

Smart Card Status: Smart Card Not Detected

1800 VENDING The only number you need to know

Check For Updates HealthyYOU Vending

Read Smart Card Write Smart Card Save to File Load from File Display User Guide Exit

Discount Prices

Select **Discount Prices** using the **Price Bank** pull-down.

These prices will be displayed and in effect during the days and times set in the **Timed Events** tab.

Note: A6 is not an actual selection on your A tray; the selection appears in SmartWarePro for calibration purposes. Any price set here will not apply to any selection in your machine.

PRICES TAB (continued)

1.800.VENDING / HealthyYOU Vending SmartWarePro v2.6.5

Configuration | **Prices** | International | Payment | Display Messages | Refrigeration | Space-to-Sales | Advanced | Timed Events

Meal Deals

	Price	Selection 1	+ Selection 2	+ Selection 3	+ Selection 4
GG1	750	E7	D3	B2	
GG2	100				
GG3	100				
GG4	100				
GG5	100				
GG6	100				
GG7	100				
GG8	100				
GG9	100				
GG10	100				

Price Bank: Meal Deals | Machine: Main Machine | Set All Prices | ALL Price: 100

Smart Card Status: Smart Card Not Detected

1800 VENDING | Check For Updates | HealthyYOU Vending | Read Smart Card | Write Smart Card | Save to File | Load from File | Display User Guide | Exit

Meal Deals

Select **Meal Deals** using the **Price Bank** pull-down.

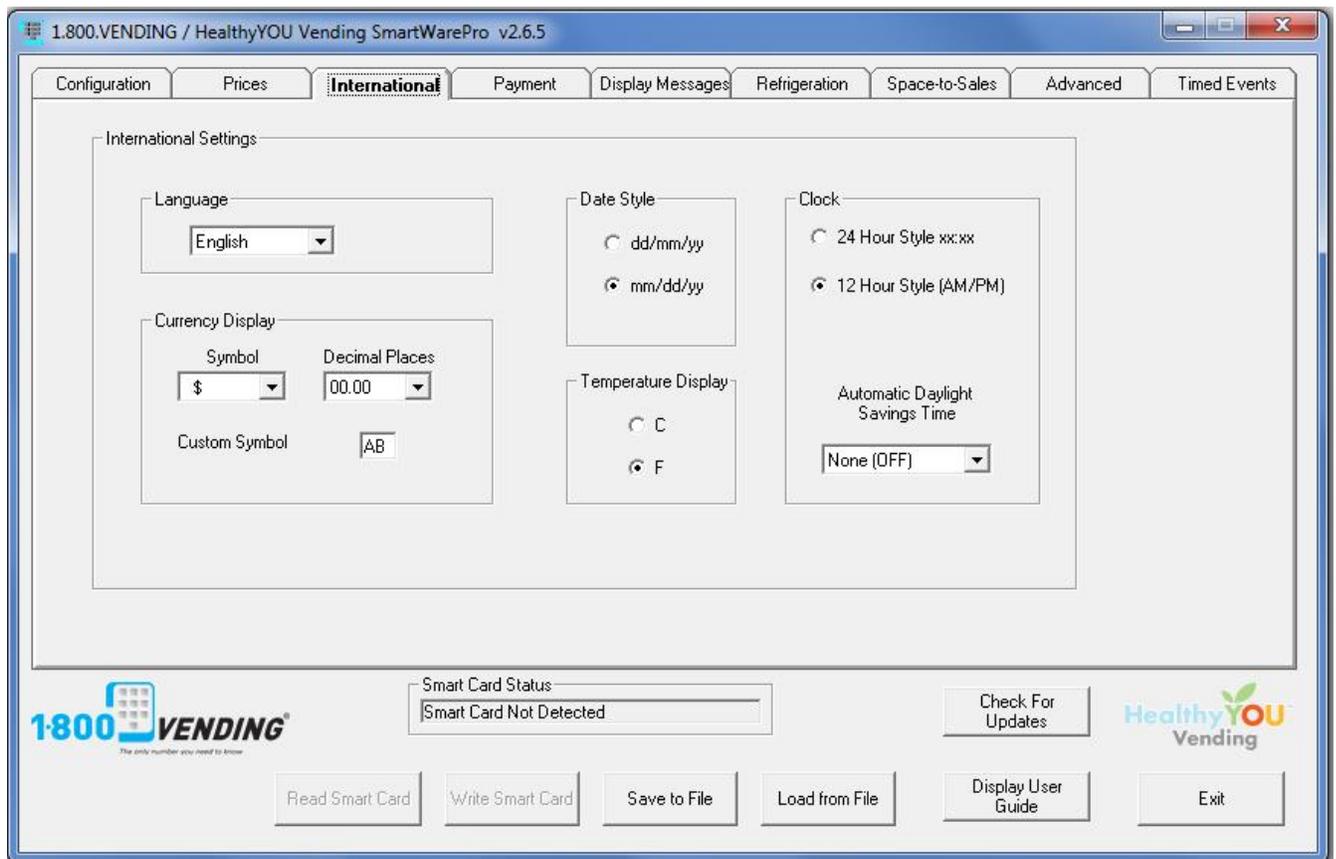
Meal Deals are a group of 2-4 selections that can be sold together under one price. In the example above, for a price of \$7.50 the customer will be able to purchase a Tuscan Chicken Healthy Choice Mixer (E7) for an entree, a Steaz Iced lemon Black Tea (D3) for a drink and Late July Vanilla Bean Sandwich Cookies (B2) for dessert all at the same time. If they purchased these items separately it would cost them \$1 more.

Meal Deals are used to encourage higher vend amounts through discounted pricing.

Up to ten Meal Deals may be set up. Meal Deals are product specific so when you list the Meal Deals for a machine you will want to list the specific products. We also recommend that you show the savings with a Meal Deal versus buying the selections individually. Meal Deals may be listed anywhere on your machine but we recommend that you place this information on the Payment and Media Console between the LCD screen and the bill acceptor. List your Meal Deals as GG1, GG2 etc. through GG10

When selecting a Meal Deal, the Meal Deal price is charged to the customer and multiple products are vended as specified.

INTERNATIONAL TAB



Language

Select the default language for the display using the pull-down list. Contact Technical Support if you wish to use a language other than those listed.

Currency Display

Choose the desired currency **Symbol** and the number of **Decimal Places** to be displayed.

Custom Symbol is not used

Date Style

Choose between **mm/dd/yy** (US Style) or **dd/mm/yy** (European Style).

Temperature

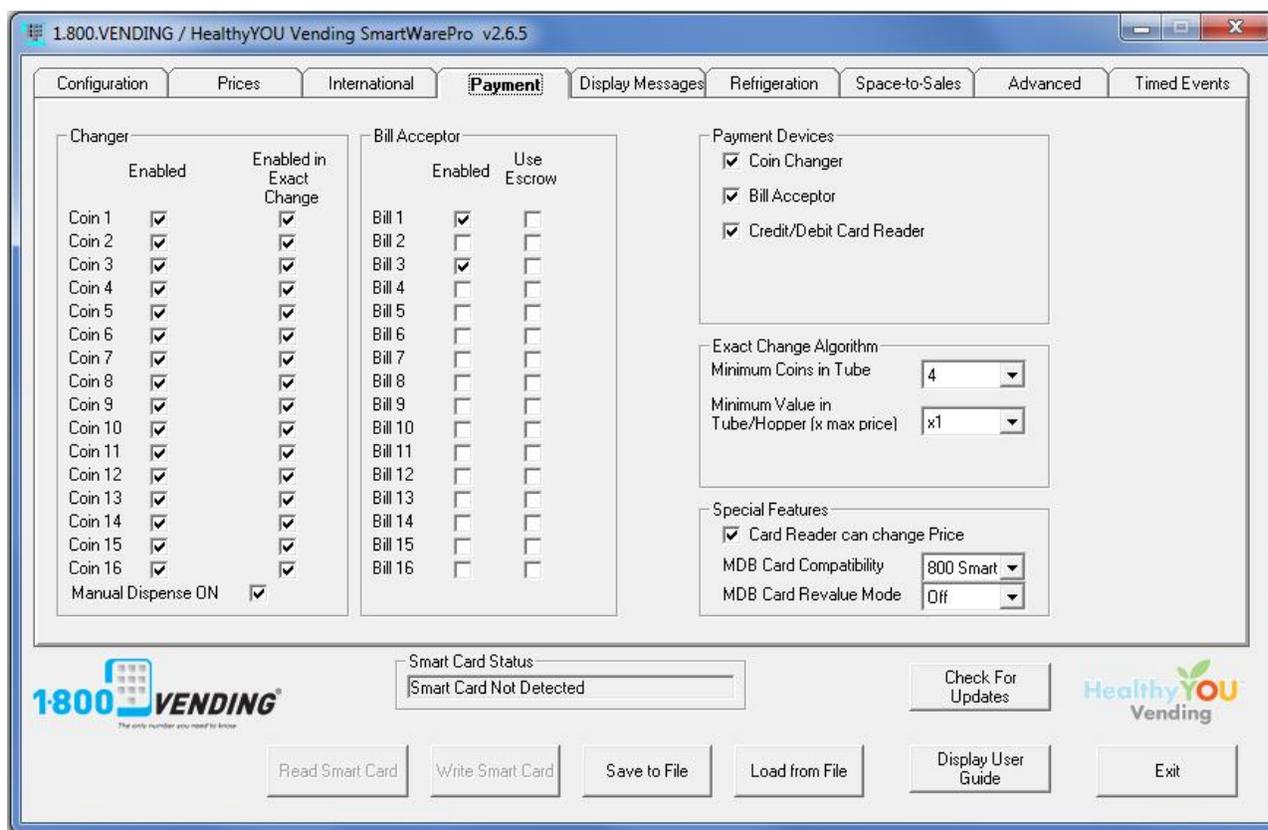
Choose between displaying Centigrade or Fahrenheit. **IMPORTANT:** Check the values on the **Refrigeration Page** AFTER changing the Temperature scale.

Clock

Choose between 24 hour and 12 hour modes to be displayed.

Select the **Daylight Saving Time** option for automatic summer/winter changes in the **USA** if required.

PAYMENT TAB



Payment Devices

Check the corresponding boxes to turn Card, Coin and Bill payment on. These will all typically be checked.

Changer

Only Coins 1-6 are applicable; coins . They are:

Coin 1 – Nickel Coin 2 – Dime Coin 3 – Quarter
Coin 4 – Half Dollar Coin 5 – Dollar

Coins 6 through 16 are used in other applications.

Check the **Enabled** box to allow the corresponding coin to be accepted under normal conditions.

Check the **Enabled in Exact Change** box to allow this coin to still be accepted when the machine is in the Exact Change mode.

Manual Dispense ON this must be checked to allow manual dispensing of the coin change giver.

Bill Acceptor

Only Bills 1-5 are applicable. They are:

Bill 1 – \$1 Bill 2 – \$2 Bill 3 – \$5
Bill 4 – \$10 Bill 5 - \$20

Bills 2 and 4 through 16 are not used at this time.

Check the **Enabled** box to allow the corresponding Bill to be accepted.

Check the **Use Escrow** box so the Bill cannot be processed for change. When a bill is inserted in the bill acceptor it is held in the back of the acceptor and placed in the bill stacker until the transaction is complete. If a bill is inserted and the Coin Release button is pressed, change will be given if the Use Escrow box for that Bill has not been checked. If checked, the bill will be rejected and given back to the customer. Many distributors check boxes for all Bills so that their machine is not used as a change machine.

PAYMENT TAB (continued)

The screenshot shows the 'Payment' tab in the software. It is divided into several sections:

- Changer:** A table with columns 'Enabled' and 'Enabled in Exact Change'. All 16 coin types (Coin 1 to Coin 16) have both checkboxes checked. A 'Manual Dispense ON' checkbox is also checked.
- Bill Acceptor:** A table with columns 'Enabled' and 'Use Escrow'. Only Bill 1 and Bill 3 have the 'Enabled' checkbox checked. All other bills (2, 4-16) have both checkboxes unchecked.
- Payment Devices:** Three checkboxes are checked: 'Coin Changer', 'Bill Acceptor', and 'Credit/Debit Card Reader'.
- Exact Change Algorithm:** 'Minimum Coins in Tube' is set to 4, and 'Minimum Value in Tube/Hopper (x max price)' is set to x1.
- Special Features:** 'Card Reader can change Price' is checked. 'MDB Card Compatibility' is set to '800 Smart' and 'MDB Card Revalue Mode' is set to 'Off'.

At the bottom, there is a 'Smart Card Status' field showing 'Smart Card Not Detected', a 'Check For Updates' button, and a row of buttons: 'Read Smart Card', 'Write Smart Card', 'Save to File', 'Load from File', 'Display User Guide', and 'Exit'.

Exact Change Algorithm

The VMC will move to **Exact Change** mode if either of two conditions applies:

Minimum Coins: Exact Change is set when any coin tube contains less coins than the **Minimum Coins** quantity you have set. In the example above the Minimum Coins has been set at 4. So, if there are fewer than four nickels, four dimes or four quarters the machine will move to the Exact Change mode and only exact change will be accepted.

Minimum Value: Exact Change is set when the total value of the coins in the coin tubes is less than the highest price set multiplied by the **Minimum Value** multiplier. For example, if the highest priced item in your machine is priced at \$2.00 and the multiplier is set at x2 then the machine will move to the Exact Change mode if there is less than \$4.00 in the coin tubes.

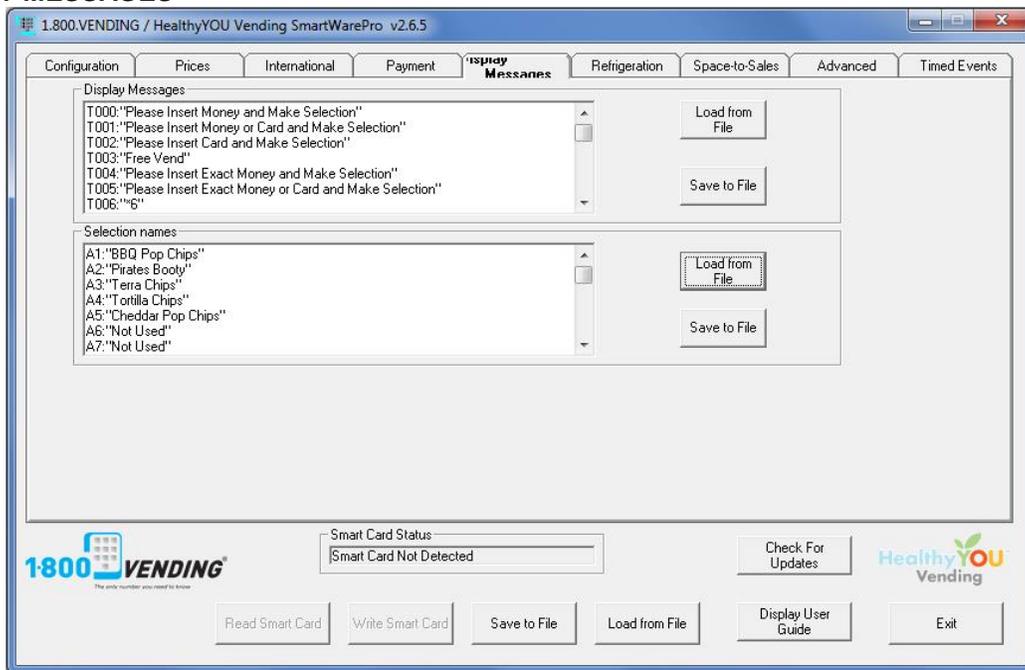
Special Features

Card Reader Can Change Price – This box should remain checked to allow the card reader device to apply discounts.

MDB Card Capability – this feature is not currently used and is for future enhancements to the program.

MDB Card Revalue Mode – this feature is not currently used and is for future enhancements to the program. **NOTE: This must be set to Off.**

DISPLAY MESSAGES



Display Messages

The Display Message is the message seen by the customer when they first arrive at the machine. You can choose one of the standard messages or create your own message. You also have the ability to change the text on other messages that may appear on the screen. For example if a customer chooses A6 (which is not used in a standard configuration) the message “Make Alternate Selection” will appear. You could change this message to “Not Used. Please Choose Again” or any other text you choose.

Selection Names

This window displays the text that is displayed for each **Selection** or **Meal Deal**. This information is displayed whenever that selection is chosen – whether payment has been submitted or not. See the example above where the A1-A5 products have been named. A1 has been named “BBQ Pop Chips” as that is the product in the A1 selection. Pressing A1 will display this information.

Calorie or Other Information – As part of the name of the selection you may include calorie information if you choose. For example, you could name A1 “Popchips – 100 Calories”.

Adding or Changing Information

You cannot add, edit or delete information on this screen. These changes must be done in Notepad. Clicking Save to File next to either message type will allow you to choose a file name and location and will then launch Notepad. Once changes are made they should be saved and then the file exited. You should then choose Load From File next to the Display Type to install the changes.

The format for Display Messages and Section Names are as follows:

"T000", "Please Insert Money and Make Selection"

"A1:", "BBQ Pop Chips"

Note that the selection identities begin and end in quotes. A comma follows and then the text to be displayed begins and ends in quotes.

Remember – the Save to File options next to the Display types only allow you to open Notepad and create a file for that display type. When all changes have been made on all tabs you will still need to select Save to File at the bottom of any tab to save all changes to the file for that machine.

REFRIGERATION TAB

The screenshot shows the 'Refrigeration' tab in the '1.800.VENDING / HealthyYOU Vending SmartWarePro v2.6.5' application. The interface includes a menu bar with tabs for Configuration, Prices, International, Payment, Display Messages, Refrigeration (selected), Space-to-Sales, Advanced, and Timed Events. The main area is titled 'Refrigeration' and contains the following settings:

- Refrigeration ON: Temperature is set to 43.0 F.
- Auto Defrost ON: Defrost Duration is 15 mins, Interval (Hours) is 04, and First Defrost Time is 00:00.

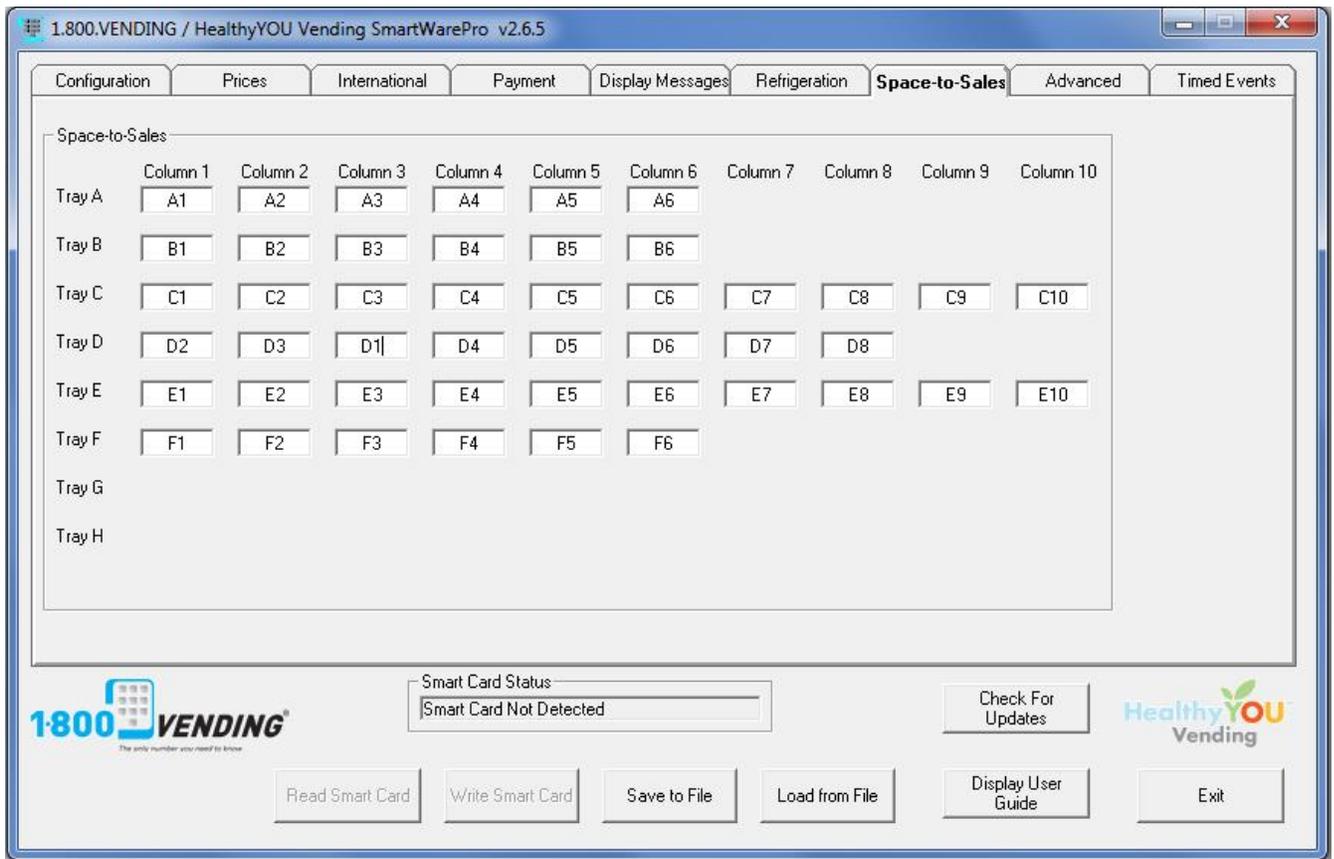
At the bottom of the window, there is a 'Smart Card Status' section showing 'Smart Card Not Detected'. Below this are several buttons: 'Read Smart Card', 'Write Smart Card', 'Save to File', 'Load from File', 'Check For Updates', 'Display User Guide', and 'Exit'. The '1.800.VENDING' and 'HealthyYOU Vending' logos are also present.

Auto Defrost

Check the box to turn automatic defrosting ON. The defrost cycle is run for **Defrost Duration** minutes every **Interval** hours. The **First Defrost** after turning the feature ON may be set with the pull-down option. Thereafter the **Interval** value defines when the next defrost will occur.

We recommend that you do not adjust these settings unless directed to by Technical Support.

SPACE TO SALES TAB



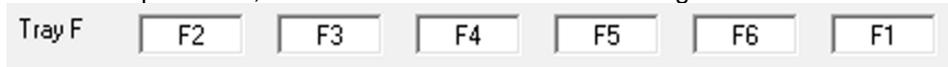
Product Links

Where more than one selection contains the same product it is possible to link these selections together so that if one selection is sold out the product can be dispensed from another selection. This is particularly useful for increasing the effective stock for Meal Deals and for Can/Bottles operation.

In the example above, selections D1, D2 and D3 are linked together. If any of these three selections are chosen and that selection is empty the machine will vend from one of the other linked selections. So, if D1 is chosen but it is empty D2 will vend. If it is empty as well the product will vend from D3.

To link selections together simply move a lower numbered selection to a spot after the last selection you want linked together.

In the example below, all the F selections will be linked together:

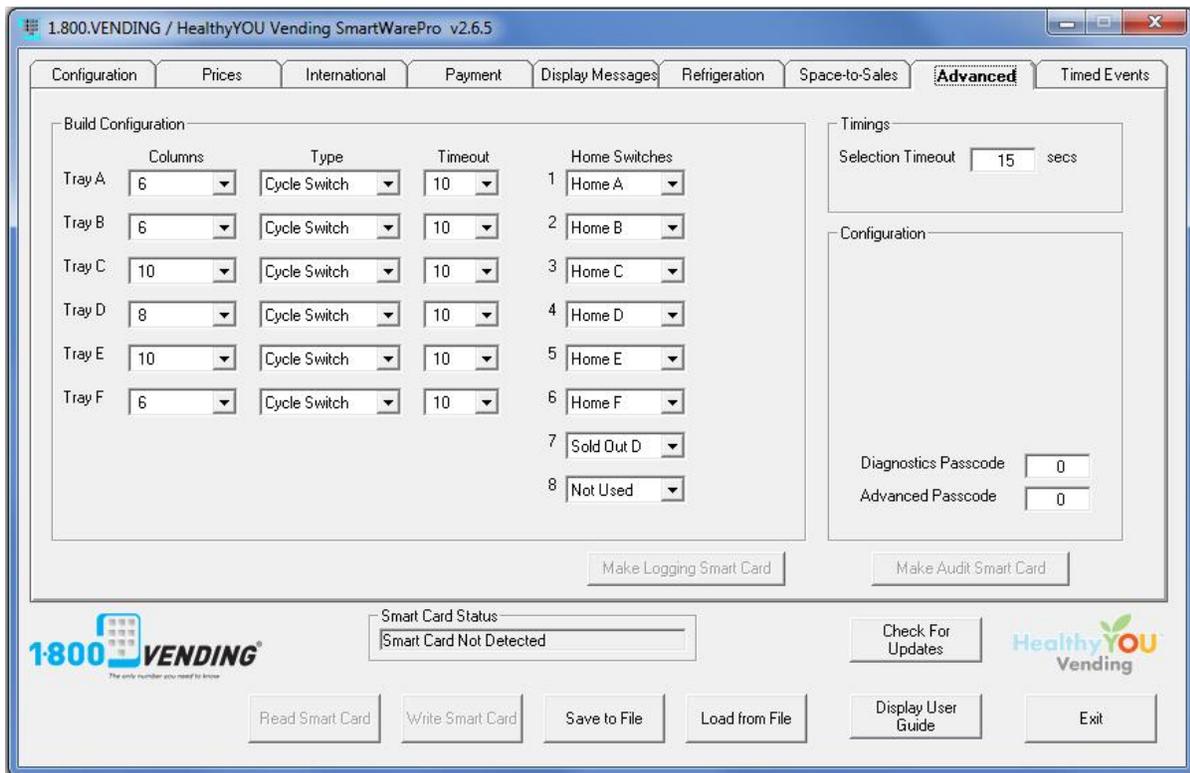


In the example below, F1-F4 are linked together but F5 and F6 are not:



Note: A6 is not an actual selection on your A tray; the selection appears in SmartWarePro for calibration purposes. Any price set here will not apply to any selection in your machine.

ADVANCED TAB



**** No changes should be made on this tab without the direction of Technical Support**

Build Configuration

This section allows the tray options to be defined for the particular machine. Select the number of **columns** for a particular tray, the Motor **Type** as below, the overall run **Timeout** in seconds for the motor and whether a **Sold Out switch** is fitted.

Motor Types :

- | | |
|--------------|---|
| Cycle Switch | - stops when the Home Switch is reached |
| PV Sensor | - Not Applicable |
| Timed | - runs for a fixed period of time |

Timings

Selection Timeout is the number of seconds for which a selection is deemed made, and for which the **product name** and **price** are displayed.

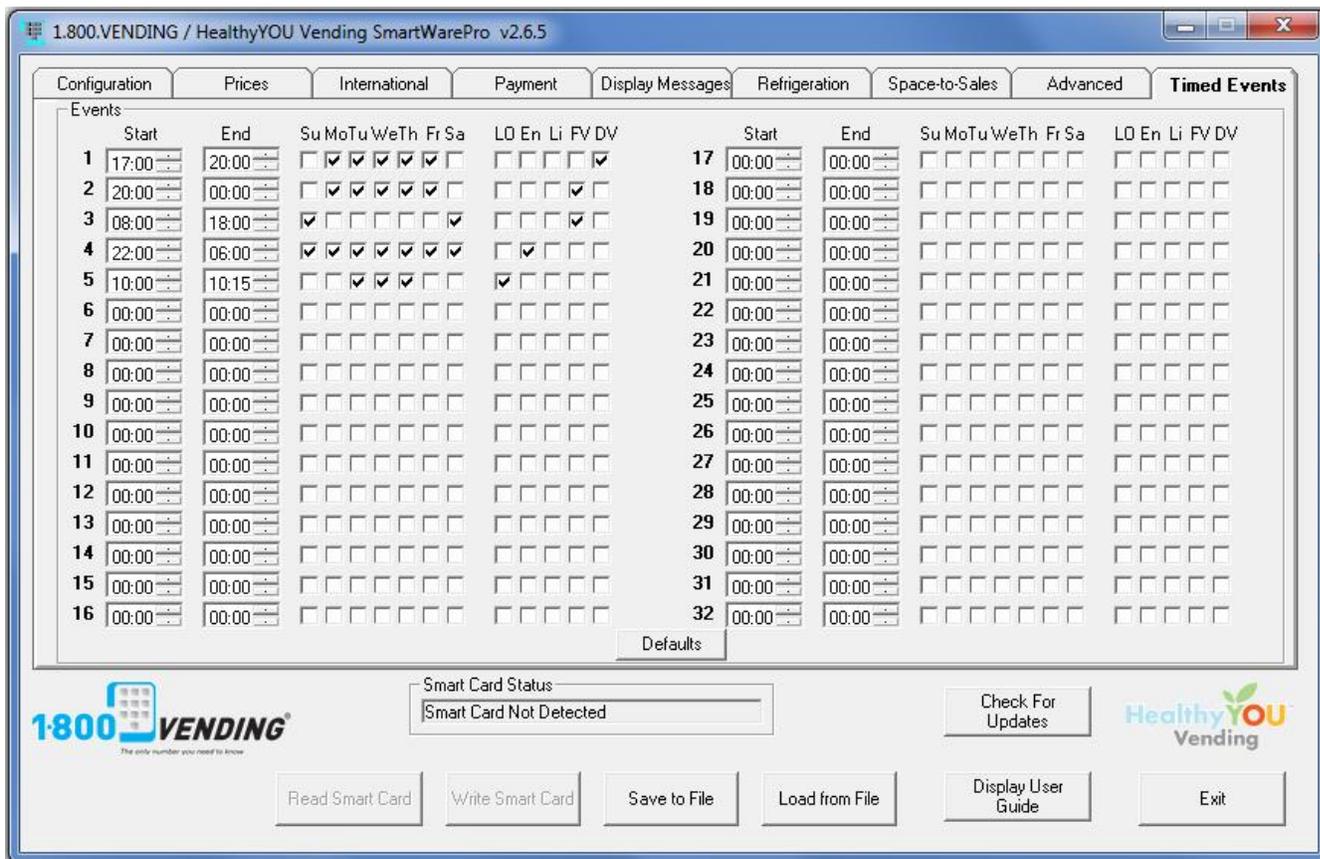
Configuration

- Diagnostics Passcode** - a 4 digit code for access to additional diagnostic features in the menus. The default is 10 10 10 10.
- Advanced Passcode** - a 4 digit code for access to the Advanced menu features. The default is 10 10 10 10.

Make Logging SmartCard / Make Audit SmartCard

- create a blank SmartCard of the selected type.

TIMED EVENTS TAB



The ability to program Timed Events sets your machine apart from other vending machines on the market.

SmartWarePro™ and the software inside your VMC software support up to 32 separate timed events. Each event can be set to occur between the **START** and **END** times for the selected **Days of the Week**. Event times may overlap.

Each Event can then have the following actions (more than one selection may be applied)

- LO** Timed Lockout – during Lockout the machine is disabled and cannot be used.
- En** Refrigeration Energy Saving – raises the high temperature setting by 6°F.
- Li** Lights OFF – Not Applicable
- FV** Free Vend
- DV** Discounted Vend (If both **DV** and **FV** are selected, free vend will apply)

In the screenshot above the following events are set for a typical office application:

- Discounted prices for anyone working late 17:00 to 20:00 on weekdays
- Free vend for anyone working after 20:00 on weekdays and between 08:00 and 18:00 at weekends.
- Energy saving every night from 22:00 until 06:00 the next morning.
- Timed Lockout between 10:00 and 10:15 on Tuesdays, Wednesdays and Thursdays for a “staff meeting”

Appendix 1 – File formats

Both Audit and Temperature Logging Cards are saved to .csv (comma separated value) format files that can be imported into a number of packages, including Microsoft Excel. Records are tabulated with a title to each column.

Example Audit File – values are in base units (cents)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Date	Time	Machine No	Asset No	Coin	Note	Card	Change	M-Disp	Sales Value	Free Vend Tokens	Sales Count		
2	4/4/2012	21:08	134	12345	7250	0	0	2425	0	4400	0			
3	4/4/2012	21:09	134	12345	7350	0	0	2475	0	4450	0			
4														
5														

Example Temperature Logging File – in this example, temperatures are in Centigrade, defrost duration is in minutes. Readings are logged approximately every minute.

	A	B	C	D	E	F
1	Date	Time	Zone 1	Defrost		
2	3/4/2012	23:55	24.5			
3			-18.5			
4			4.5			
5			12			
6			16			
7	4/4/2012	0:00		10		
8			19.5			
9			21			
10			22			
11			22.5			
12			23			
13			23.5			
14			23.5			
15			23.5			
16						
17						
18						
19						