



## Single Serve Coffee Station Vending Machine



# Operator's Manual

## **INTRODUCTION**

Congratulations on the purchase of your new vending machine. This machine has been designed to give you many years of dependable service. It requires little maintenance and is easy to set up and operate.

## **READ THIS MANUAL COMPLETELY**

Your machine is designed to operate simply and reliably, but to take full advantage of your vendor, please read this owner's manual thoroughly. It contains important information regarding installation and operations, as well as a brief trouble-shooting guide.

## **EQUIPMENT INSPECTION**

After you have received your machine and have it out of the box, place it on a secure surface for further inspection. **Note:** Any damages that may have occurred during shipping must be reported to the delivery carrier immediately. Reporting damages and the seeking of restitution is the responsibility of the equipment owner. The factory is willing to assist you in this process in any way possible. Feel free to contact our Customer Care Department with questions you may have on this process. It is important that you keep the original packaging for your vending machine at least through the warranty period. If your machine needs to be returned for repair, you may have to purchase this packaging if it is not retained.

After your vendor is put in place, we suggest that you keep this manual for future reference, or you can view this manual online at [www.seaga.com](http://www.seaga.com). Should any problems occur, refer to the section entitled "COMMON QUESTIONS AND ANSWERS". It is designed to help you quickly identify a problem and correct it.



700 Seaga Drive  
Freeport, IL 61032 U.S.A.  
[seaga.com](http://seaga.com)

For Service and Customer Care:  
8:30 a.m. - 4:00 p.m. CST. Mon thru Fri  
815.297.9500  
815.297.1758 Fax  
email: [customercare@seaga.com](mailto:customercare@seaga.com)

## **IMPORTANT NOTICES**

- Your vendor (s) are intended for indoor use only.
- Your vendor (s) must be set on a level, well-supported location if not wall mounted.
- Always unload vendor before transporting it.
- Do not load your vendor with disfigured or damaged product.

Machine specifications:

Height	Width	Depth	Weight	Selections	Capacity
17.5" (44.5 cm)	27" (68.6 cm)	24" (61 cm)	85 lbs. (40 kg)	16	192

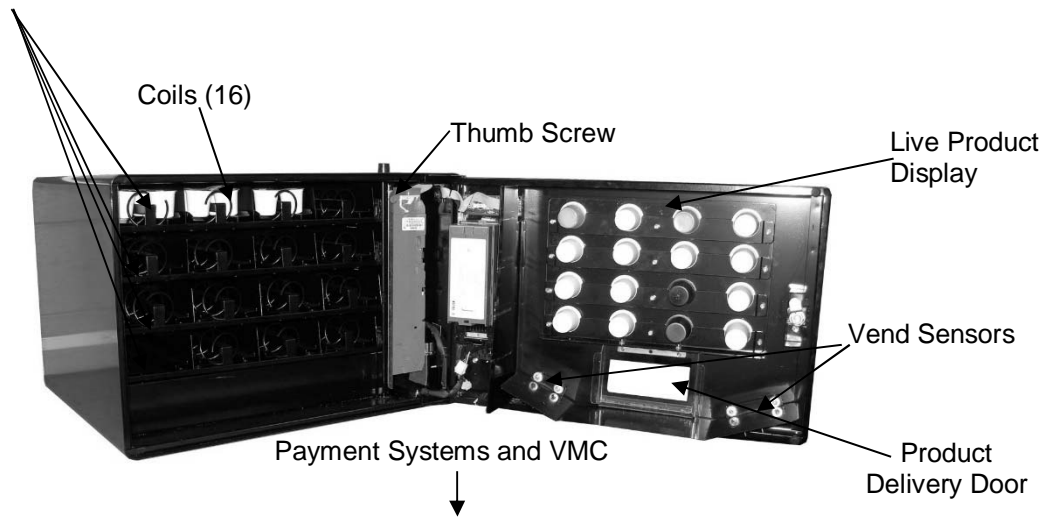
**Description**

Figure 1 – Machine Overview

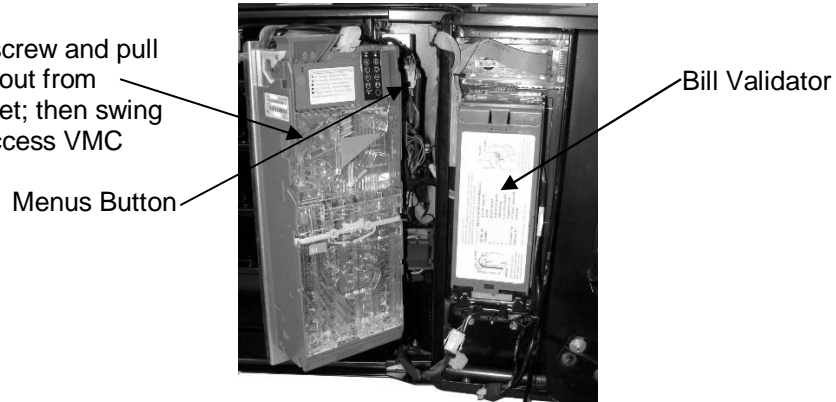


Figure 2 – Machine Interior

Product Trays (4)



Grasp thumb screw and pull Coin Changer out from machine cabinet; then swing to the left to access VMC



## **RECEIVING, INSPECTION, UNPACKING AND TESTING**

After you have received your vending machine, inspect all components. **Note:** Any damages that may have occurred during shipping must be reported to the delivery carrier immediately. Reporting damages and the seeking of restitution is the responsibility of the equipment owner. The factory is willing to assist you in this process in any way possible. Once you have your vending machine located, we suggest that you keep this manual for future reference.

Inside the Vend Area, you will find the hardware kit which includes any components required for assembly and the Operator's Manual.

Note: your vending machine was designed for single cup portion packs such as those shown below. Other capsule and pod packaging is not compatible.



## **ELECTRICAL CONNECTION**

The vending machine requires one (1) grounded 120V standard outlet.

## **LOCATION**

The vending machine is for operation in an indoor environment only; failure to locate the vendor in a temperature controlled, humidity controlled, dirt and dust free environment voids your warranty.

Allow at least 6" of clearance on the right side of the machine for customers to retrieve their change in coins, if your machine has this function.

## **LOADING PRODUCT**

Load product by placing coffee packs between the coil spaces in an upright manner as shown in Figure 3 below. Load product that is undamaged and make sure the packs ride on top of the rails, placing only one in each coil space.

Note: when refilling your machine, it is important to note any sold out selections. A sold out status on a selection requires a reset of the machine once the selection has been refilled, to reactivate the selection for sales. To reset the sold out status, simply press the Menu Button (see Fig. 2) when refilling. No other action is required.

Figure 3 – Loading Product



## **LIVE PRODUCT DISPLAY**

To provide your customer with a clear choice of flavors available, a live product display is incorporated into your vending machine. It is recommended that product in good condition is loaded straight and even. With the Front Door open, slide the packs in facing out, using the lip of the pack to hold it in place as shown in Figure 4.

Figure 4 – Live Product Display

Interior view of  
live product  
display



## DISPLAY

The LCD Display (Fig. 5) is a two line, 20 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. 5 – LCD Display in Sales Mode



Display Formats	When in Sales Mode Display Reads
Normal Operation, no credit available	WELCOME! Please insert cash and make your selection..;
Normal Operation, some credit available	\$00.01 – 99.99
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 \$00.01 – 99.99
Free Vend Mode (all prices set to zero)	Free on Us Selection:
If a selection is out of stock when a selection is pressed – this is displayed for a few seconds	Please Make Alternate Selection
All Items out of stock	Out of Service
Machine Out Of Order	Out of Service
During a Vend	Price Selection
Exact Change required	Exact Change Only
Temperature Display Press the # button to display	Not used in this model

Note: when refilling your machine, it is important to note any sold out selections. A sold out status on a selection requires a reset of the machine once the selection has been refilled, to reactivate the selection for sales. To reset the sold out status, simply press the Menus Button (see Fig. 2) when refilling. No other action is required.

### KEYPAD

1	2	3
4	5	6
7	8	9
*	0	#

\* = Exit or Next

# = Save

### SERVICE MODE

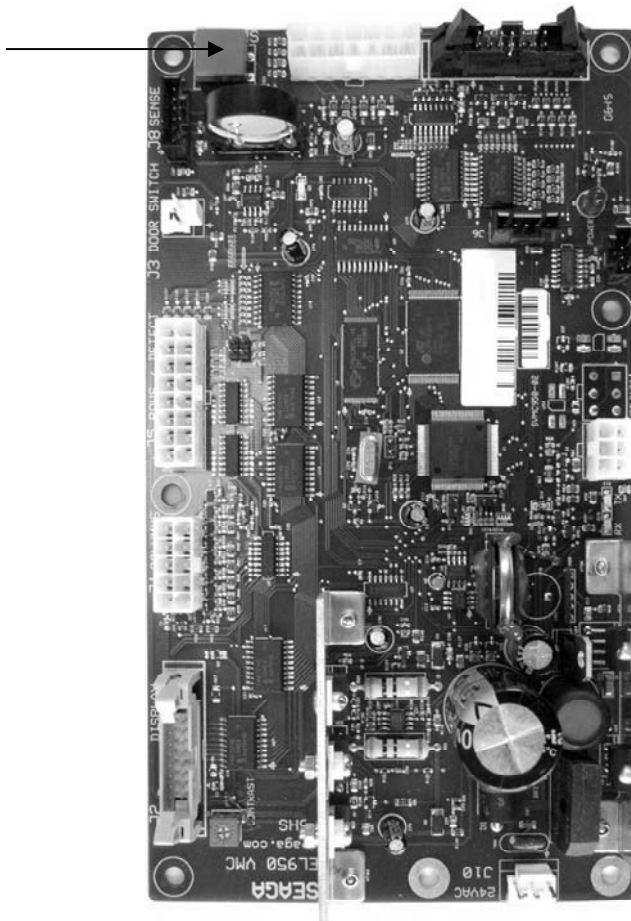
The operation of the machine can be adjusted by entering service mode by pressing the MENUS button on the VMC circuit board and then accessing the appropriate operation. Price setting, audit display and operating modes can be read and adjusted from here. The user can also perform tests on the machine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

## **VMC – VENDING MACHINE CONTROLLER**

Enter Service Mode by pressing the MENUS Button on the VMC Circuit board. (See Fig. 2 for location and Fig. 11 below)

Figure 11 – VMC and Menu Button

MENUS Button



### **SERVICE MODE NAVIGATION**

Use the 0 through 9 keys to access the various menus and sub-menus.  
Use the “\*” key on the keypad to Exit without changing or to go back (Previous).  
Use the “#” key on the keypad to Save.



## 1. PRICE PROGRAM

Price Program is used to set the prices for All Items, by Row or by individual Selection. Save time and set All Items to the most common price, going back to Row or Selection for different prices as required.

### ALL ITEMS

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 1 for All Items	All Items: \$--.-- (flashes current price) *-Exit, no change
4.	Use number keys to enter new price	All Items: (New Price) *-Exit, no change # -Save Press # to Save
5.	Press * two times to exit to Sales Mode	Price Program

### ROW

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 2 for Row	Row: -- \$--.-- Use keypad to choose Row. *-Exit, no change
4.	Use keypad to choose Row. Use number keys on the keypad to set new price, including cents.	Row: (New Row and Price) *-Exit, no change # -Save
5.	Press * two times to exit to Sales Mode	Price Program

### SELECTION

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 3 for Selection	Selection: -- \$--.-- *-Exit, no change
4.	Use the keypad to choose one Selection. Use number keys on the keypad to set new price, including cents.	Selection: (New Selection and Price) *-Exit, no change # -Save
5.	Press * two times to exit to Sales Mode	Price Program

### COUPON

**IMPORTANT:** This option requires a programmed validator. Up to five different coupon values can be set. In sales mode, once a coupon is accepted, no further coupons will be accepted until a successful vend has been made. If no value is set, coupons will be shown as free vends. If using both coupons and tokens, there are only five selection combinations available. For example, if Coupon1 is set for "All" items, Token1 is also set for "All" items.

STEP	DISPLAY
1. Press Service Mode Button	Motor Count or Error Code **

2.	Press 1 for Price Program	Price Program
3.	Press 4 for Coupons	Coupons *-Exit, no change
4.	Press 1 for Coupon1 (or corresponding number for additional coupons, up to Coupon5)	Coupon1 *-Exit, no change #-Save
5.	Press 1 for All Items	All Items (Current Setting) *-Exit, no change 1-Edit
6.	Press 1 to toggle On/Off	All Items (Choice Flashing) *-Exit, no change #-Save
7.	Press # to Save the new setting	All Items (New Setting) *-Exit, no change #-Save
8.	Press * to return to Coupon1	Coupon1
9.	Press 4 to enter Coupon Value menu	Coupon1: \$0.00 *-Exit, no change #-Edit
10.	Press # to edit Coupon1 value	Coupon1: \$0.00 *-Exit/Del #-Save
11.	Enter Coupon1 value	Coupon1: \$0.00 *-Exit, no change #-Save
12.	Press # to Save the Coupon1 Value setting	Coupon1: \$(New Value) *-Exit, no change #-Save
13.	Press * two times to continue to Coupon2 – 5 or press * four times to exit.	Price Program

#### COUPON BY ROW

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 4 for Coupons	Coupons *-Exit, no change
4.	Press 1 for Coupon1 (or corresponding number for additional coupons, up to Coupon5)	Coupon1 *-Exit, no change #-Save
5.	Press 1 for All Items to verify Off	All Items (Current Setting) *-Exit, no change #-Save
6.	Press 1 to toggle On/Off if necessary	All Items (Choice Flashing) *-Exit, no change #-Save
7.	Press # to Save the new setting to Off if necessary	All Items (New Setting) *-Exit, no change #-Save
8.	Press * to return to Coupon1	Coupon1
9.	Press 2 to enter a Row Number	Row: -- *-Exit
10.	Enter Row Number	Row: XX (Current Setting) *-Exit/Del #-Edit
11.	Press 1 to toggle Row On/Off	Row: XX (Choice Flashing) *-Exit, no change #-Save
12.	Press # to save the setting	Row: XX (New Setting) *-Exit, no change #-Edit
13.	Press * twice to return to the Coupon1 menu	Coupon1
14.	Press 4 to enter Coupon Value menu	Coupon1: \$0.00 *-Exit, no change #-Edit
15.	Press # to edit Coupon1 value	Coupon1: \$0.00 *-Exit, no change #-Save

16.	Enter Coupon1 value	Coupon1: \$0.00 *-Exit, no change #Save
17.	Press # to Save the Coupon1 Value setting	Coupon1: \$(New Value) *-Exit, no change #Save
18.	Press * two times to continue to Coupon2 – 5 or press * five times to exit.	Price Program

### COUPON BY ITEM

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 4 for Coupons	Coupons *-Exit, no change
4.	Press 1 for Coupon1 (or corresponding number for additional coupons, up to Coupon5)	Coupon1 *-Exit, no change #Save
5.	Press 1 for All Items to verify Off	All Items (Current Setting) *-Exit, no change #Save
6.	Press 1 to toggle On/Off if necessary	All Items (Choice Flashing) *-Exit, no change #Save
7.	Press # to Save the new setting to Off if necessary	All Items (New Setting) *-Exit, no change #Save
8.	Press * to return to Coupon1	Coupon1
9.	Press 3 to enter an Item	Selection: -- *-Exit
10.	Enter Item Number	Selection: XX (Current Setting) *-Exit, /Del 1-Edit
11.	Press 1 to toggle Item On/Off	Selection: XX (Choice Flashing) *-Exit, no change 1-Edit
12.	Press # to save the setting	Selection: XX (New Setting) *-Exit, no change #Edit
13.	Press * twice to return to the Coupon1 menu	Coupon1
14.	Press 4 to enter Coupon Value menu	Coupon1: \$0.00 *-Exit, no change #Edit
15.	Press # to edit Coupon1 value	Coupon1: \$0.00 *-Exit, no change #Save
16.	Enter Coupon1 value	Coupon1: \$0.00 *-Exit, no change #Save
17.	Press # to Save the Coupon1 value setting	Coupon1: \$(New Value) *-Exit, no change #Save
18.	Press * two times to continue to Coupon2 – 5 or press * five times to exit.	Price Program

## TOKEN

IMPORTANT: This option requires a programmed changer and allows you to set the value of tokens accepted. Note: If Space to Sales Whole Machine is On and you are setting Tokens by Row, the Row must be set to Row 1. If using both coupons and tokens, there are only five selection combinations available. For example, if Coupon1 is set for "All" items, Token1 is also set for "All" items.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 5 for Tokens	Tokens *-Exit, no change
4.	Press 1 for Token1 (or corresponding number for additional tokens, up to Token5)	Token1 *-Exit, no change #-Save
5.	Press 1 for All Items	All Items (Current Setting) *-Exit, no change 1-Edit
6.	Press 1 to toggle On/Off	All Items (Choice Flashing) *-Exit, no change #-Save
7.	Press # to Save the new setting	All Items (New Setting) *-Exit, no change #-Save
8.	Press * to return to Token1	Token1
9.	Press 4 to enter Token Value menu	Token1: \$0.00 *-Exit, no change #-Edit
10.	Press # to edit Token1 value	Token1: \$0.00 *-Exit, no change #-Save
11.	Enter Token1 value	Token1: \$0.00 *-Exit, no change #-Save
12.	Press # to Save the Token1 Value setting	Token1: \$(New Value) *-Exit, no change #-Save
13.	Press * two times to continue to Token2 – 5 or press * four times to exit.	Price Program

## TOKEN BY ROW

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 5 for Tokens	Tokens *-Exit, no change
4.	Press 1 for Token1 (or corresponding number for additional tokens, up to Token5)	Token1 *-Exit, no change #-Save
5.	Press 1 for All Items to verify Off	All Items (Current Setting) *-Exit, no change 1-edit
6.	Press 1 to toggle On/Off if necessary	All Items (Choice Flashing) *-Exit, no change 1-edit
7.	Press # to Save the new setting to Off if necessary	All Items (New Setting) *-Exit, no change #-Save
8.	Press * to return to Token1	Token1
9.	Press 2 to enter a Row Number	Row: -- *-Exit
10.	Enter Row Number	Row: XX (Current Setting) *-Exit, no change #-Edit

11.	Press 1 to toggle Row On/Off	Row: XX (Choice Flashing) *-Exit/del #-Save
12.	Press # to save the setting	Row: XX (New Setting) *-Exit, no change #-Edit
13.	Press * twice to return to the Token1 menu	Token1
14.	Press 4 to enter Token Value menu	Token1: \$0.00 *-Exit, no change #-Edit
15.	Press # to edit Token1 value	Token1: \$0.00 *-Exit, no change #-Save
16.	Enter Token1 value	Token1: \$0.00 *-Exit, no change #-Save
17.	Press # to Save the Token1 Value setting	Token1: \$(New Value) *-Exit, no change #-Save
18.	Press * two times to edit Token2 – 5 or press * five times to exit.	Price Program

### TOKEN BY ITEM

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 5 for Tokens	Tokens *-Exit, no change
4.	Press 1 for Token1 (or corresponding number for additional tokens, up to Token5)	Token1 *-Exit, no change #-Save
5.	Press 1 for All Items to verify Off	All Items (Current Setting) *-Exit, no change #-Save
6.	Press 1 to toggle On/Off if necessary	All Items (Choice Flashing) *-Exit/del #-Save
7.	Press # to Save the new setting to Off if necessary	All Items (New Setting) *-Exit/del #-Save
8.	Press * to return to Token 1	Token1
9.	Press 3 to enter an Item	Selection: -- *-Exit
10.	Enter Item Number	Selection: XX (Current Setting) *-Exit, no change #-Edit
11.	Press 1 to toggle Item On/Off	Selection: XX (Choice Flashing) *-Exit, no change #-Save
12.	Press # to save the setting	Selection: XX (New Setting) *-Exit, no change #-Edit
13.	Press * twice to return to the Token 1 menu	Token1
14.	Press 4 to enter Token Value menu	Token1: \$0.00 *-Exit, no change #-Edit
15.	Press # to edit Token1 value	Token1: \$0.00 *-Exit, no change #-Save
16.	Enter Token1 value	Token1: \$0.00 *-Exit, no change #-Save
17.	Press # to Save the Token1 Value setting	Token1: \$(New Value) *-Exit, no change #-Save

18.	Press * two times to continue to Token2 – 5 or press * five times to exit.	Price Program
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### COMBO

Combos are a group of 2-5 selections that can be sold together for one price. For example, a price of \$5.50 the customer will be able to purchase a regular coffee (110), a tea for later (121) and a latte to take home (143) which will all vend when the Combo Selection is used. If the customer purchased these items separately it would cost them more. Combos are used to encourage higher vend amounts through discounted pricing.

Up to five Combos may be set up. Combos are product specific so when you list the Combos for a machine you will want to list the specific products. We recommend that you show the savings with a Combo versus buying the selections individually via some sort of signage or electronic display.

Note: Do not use Space to Sales (Sts) with the Combo setting.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 6 for Combo	Combo
4.	Press 1 for Combo1 (or corresponding number for additional combos, up to Combo5)	Combo1: --- \$0.00 *-Exit, no change
5.	Enter First Combo Item Number and Price. Press # to Save. Press 1 to enter the Selection Ranges.	Combo1: ### \$.-- *-Exit, no change #-Edit 1-Next
6.	Enter Range number, then enter selection numbers Note: A Range represents the first selection(s) in the combo. In our example, the range would be selection 110 to 110. A second range would be set for selection 121 to 121 and the third range for 143 to 143. This would complete the three item Combo.	Range1: --- to --- *-Exit, no change #-Save
7.	Press 1 to set the next Range.	Range2: ### to ### *-Exit, no change 1-Next
8.	To continue setting Ranges, repeat step 6 and 7. There are 5 ranges available per combo. When finished press * five times to exit.	Price Program
To delete a previously set Combo		
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 1 for Price Program	Price Program
3.	Press 6 for Combo menu	Combo
4.	Press 1 for Combo1 menu	Combo1: ### \$(Price) *-Exit, no change #-Edit 1-Next
5.	Press # to edit the Combo	Combo1: ### \$(Price) *-Exit/del #-OK
6.	Press * three times to delete the selection number	Combo1: ### \$(Price) *-Exit, no change #-Save
7.	Press # to save the setting	Combo1: -- \$0.00 *-del #-OK
8.	Press # five items to exit.	Price Program

## 2. CASH COUNTERS

Cash Counters displays the total vend count and the total sales value for the machine, for All Items, by Row or by individual Selection. Note: The resettable counters can be cleared.

### ALL ITEMS

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 2 for Cash Counters	Cash Counters
3.	Press 1 for All Items	All Items
4.	Press 1 for Historical Count	Hist Count --
5.	Press 2 for Historical Cash	Hist Cash \$--.--
6.	Press 3 for Reset Count	Res Count --
7.	Press 4 for Reset Cash	Res Cash \$--.--
8.	Press 5 for Historical Card	His Card \$--.--
9.	Press 6 for Reset Card	Res Card \$--.--
10.	Press 7 for Clear	Clear? *-Exit, no change #Clear Display shows Cleared

### ROW

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 2 for Cash Counters	Cash Counters
3.	Press 2 for Row	Row: -- Use keypad to choose Row.
4.	Press 1 for Historical Count	Hist Count --
5.	Press 2 for Historical Cash	Hist Cash \$--.--
6.	Press 3 for Reset Count	Res Count --
7.	Press 4 for Reset Cash	Res Cash \$--.--
8.	Press 5 for Historical Card	His Card \$--.--
9.	Press 6 for Reset Card	Res Card \$--.--
10.	Press 7 for Clear	Clear? *-Exit, no change #Clear Display shows Cleared

### SELECTION

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 2 for Cash Counters	Cash Counters
3.	Press 3 for Selection	Selection -- Use keypad to choose an individual Selection
4.	Press 1 for Historical Count	Hist Count --
5.	Press 2 for Historical Cash	Hist Cash \$--.--
6.	Press 3 for Reset Count	Res Count --
7.	Press 4 for Reset Cash	Res Cash \$--.--
8.	Press 5 for Historical Card	His Card \$--.--
9.	Press 6 for Reset Card	Res Card \$--.--
10.	Press 7 for Clear	Clear? *-Exit, no change #Clear Display shows Cleared

### 3. QTY/TUBE

Enter this menu when priming the changer with coins. As you load coins from the front door in the coin slot, this menu will keep track of the quantity and monetary amount which enables the VMC to know that change can be made during sales transactions.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 3 for Qty/Tube	Qty/Tube : X/\$--.-- (Current Quantity and Total)
3.	Press * two times to exit to Sales Mode	0.00

### 4. CONFIGURATION

The following sub-menus are included in the Configuration Menu:

- Date/Time
- Health Safety
- Language
- All Items – Type
- Row – Type
- Selection – Type
- Auto Reinstate
- StS
- StS Custom
- Advanced Config\*

#### DATE/TIME

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 1 for Date/Time	Date/Time
4.	Press 1 to change Date	MM/DD/YY current setting *-Exit, no change #-Edit Use number keys to enter new date
5.	Press 2 to change Time	HH:MM current setting *-Exit, no change #-Edit Use number keys to enter new time
6.	Press 3 to change DST (Daylight Savings time)	DST ON/OFF *-Exit, no change 3 – Toggle On/Off. Press # to Save
7.	Press * two times to exit to Sales Mode	0.00

#### HEALTH SAFETY

**Not used in this model. Should be set of OFF.**

#### LANGUAGE



STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 3 for Language	Language English *-Exit, no change 3 – Edit 3 to Toggle between English, Spanish or French Press # to Save
12.	Press * two times to exit to Sales Mode	0.00

#### ALL ITEMS: TYPE

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 4 for All Items: Type  *NOTE: This should ALWAYS be set on Snack; setting to other Types will cause vend sensor failure.	All Items: Snack, Can or Bottle *-Exit, no change 1 – Edit 1 to Toggle Press # to Save
12.	Press * two times to exit	0.00

#### ROW: TYPE

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 5 for Row: Type  *NOTE: This should ALWAYS be set on Snack; setting to other Types will cause vend sensor failure.	Row – Use keypad to enter Row *-Exit, no change 1 – Edit 1 to Toggle Snack, Can or Bottle Press # to Save
12.	Press * two times to exit	0.00

#### SELECTION: TYPE

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 6 for Selection: Type*  *NOTE: This should ALWAYS be set on Snack; setting to other Types will cause vend sensor failure.	Selection – Use keypad to enter Selection *-Exit, no change 1 – Edit 1 to Toggle Snack, Can or Bottle Press # to Save
12.	Press * two times to exit	0.00

## AUTOREINSTATE

This feature reinstates a selection after a vend failure, per the vend sensor system. Normally, when an empty selection is detected during an attempted vend, that selection is recorded as inoperative and requires resetting before it can be vended again. Note: AutoReinstate affects both the host machine and all attached satellites.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 7 for AutoReinstate	Autoreinstate
5.	Press 1 to change All Items	All Items ON/OFF *-Exit, no change 1- Toggle On/Off # to Save
6.	Press 2 to change Row	Row – Use keypad to select row ON/OFF *-Exit, no change 2- Toggle On/Off # to Save
7.	Press 3 to change one Selection	Selection – Use keypad to select row ON/OFF *-Exit, no change 3- Toggle On/Off # to Save
12.	Press * two times to exit	0.00

## SPACE TO SALES (StS)

Not used in this model. Should be set of OFF.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 8 for Space to Sales	StS (Current setting) *-Exit, no change 8-Edit
4.	Press 8 to toggle through options	StS Off Whole Rows Half Rows By 2's Whole Machine Custom MZF/SZF Custom (See next menu item) With your choice flashing, press # to Save *-Exit, no change
5.	Press * two times to exit	0.00

## CUSTOM SPACE TO SALES (StS)

Not used in this model.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 9 for StS	StS --: (Current setting) *-Exit, no change 8-Edit
4.	Press 6 to toggle to Custom	StS Custom *-Exit, no change # to Save
5.	Press * to return to Configuration menu	Configuration
6.	Press 9 to return to StS Menu	StS ---: *-Exit
7.	Enter first Selection	StS XXX: (Current Selection) *-Exit, no change # to Save 1 to Clear?
8.	Press 1 to clear links menu	XXX: Clear links? *-Exit, no change # to Clear?
9.	Press # to clear current links settings	XXX: Cleared *-Exit, no change # Add 1 – Clear
10.	Press # to add new selection	XXX:--- *-Exit, no change
11.	Enter next selection	XXX:YYY *-Exit, no change # Add
12.	Press # to add another selection (to enter more selections, repeat steps 10 and 11)	XXX:YYY, ZZZ (The display shows the selections you have entered. After 3 selections, the screen will scroll.)
13.	Press * two times to exit	0.00

## 5. ADVANCED CONFIG\*

A password is required to enter this menu. The factory default password is 2314. The following menus are available under this sub-menu:

- Beep Enable
- Optics Disables
- Motor Type
- Temp
- Selection Style

### BEEP ENABLE

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 0 for Advanced Config	Password: Use keypad to enter password
4.	Press 1 for Beep Enable menu	Beep Enable (Current Setting)

		*-Exit, no change 1-Edit
5.	Press 1 to toggle ON/OFF	Beep Enable (Choice Flashing) *-Exit, no change # to Save
6.	Press # to save the setting	Beep Enable (New Setting) *-Exit, no change 1-Edit
7.	Press * three times to exit	0.00

**OPTICS DISABLES**  
Not used on this model.

**MOTOR TYPE**

	STEP	DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 0 for Advanced Config	Password: Use keypad to enter password
4.	Press 3 for Motor Type menu	Motor Type (Current Setting) *-Exit, no change 3-Edit
5.	Press 3 to toggle 3-Wire or 2-Wire	Motor Type (Choice Flashing) *-Exit, no change # to Save
6.	Press # to save the setting	Motor Type (New Setting) *-Exit, no change 3-Edit
7.	Press * three times to exit	0.00

**TEMP**  
Not used in this model.

**SEL STYLE**

	STEP	DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 4 for Configuration	Configuration
3.	Press 0 for Advanced Config	Password: Use keypad to enter password
4.	Press 5 for Sel Style	Sel Style (Current Setting) *-Exit, no change 5-Edit
5.	Press 5 to toggle 3 digit, 2 Dgt 40+, 2-Dgt ever, */# USD	Sel Style (Choice Flashing) *-Exit, no change # to Save
6.	Press # to save the setting	Sel Style (New Setting) *-Exit, no change 5-Edit
7.	Press * three times to exit	0.00

## 6. OPTIONS

The following sub-menus are included in the Options Menu:

- Forced Vend
- Bill Escrow
- Multi Vend
- Free Vend
- Fast Change
- Optical Vend
- POS Message
- Set Point
- Drop Sensor

### **FORCED VEND**

Forces the customer to complete a purchase once they have made payment in any form.

**NOTE:** If a customer chooses a Forced Vend selection and the motor fails, the customer will be allowed to escrow the credit.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 1 for Forced Vend Menu	Forced Vend (Current Setting) *-Exit 1-Edit
4.	Press 1 to toggle between ON and OFF	Forced Vend (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	Forced Vend (New Setting) *-Exit 1-Edit
6.	Press * two times to exit	0.00

### **BILL ESCROW**

Allows the last bill accepted to be returned, provided the bill acceptor is capable of such a feature.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 2 for Bill Escrow Menu	Bill Escrow (Current Setting) *-Exit 2-Edit
4.	Press 2 to toggle between ON and OFF	Bill Escrow (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	Bill Escrow (New Setting) *-Exit 2-Edit
6.	Press * three times to exit	0.00

### **MULTI VEND**

Allows the customer to purchase more than one product if enough credit has been deposited. When Multi Vend is active, any credit remaining after a vend is NOT automatically returned. The customer makes the choice to make another selection (with sufficient credit), make further payment to make another selection or press the coin return to return any remaining credit.

**NOTE:** After 5 minutes, any credit remaining will be erased by the machine. For card reader sessions, the Multi Vend feature will function only if the card reader supports multiple vend capability.

**NOTE:** If Fast Change is set to ON, it will over ride MultiVend and change will be made immediately after a selection.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 3 for Multi Vend Menu	Multi Vend (Current Setting) *-Exit 3-Edit
4.	Press 3 to toggle between ON and OFF	Multi Vend (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	Multi Vend (New Setting) *-Exit 3-Edit
6.	Press * three times to exit	0.00

### FREE VEND

Sets the WHOLE MACHINE to Free Vend. Every product is at no cost, no money is accepted by the machine and the display reads "FREE ON US".

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 4 for FreeVend Menu	Free Vend (Current Setting) *-Exit 4-Edit
4.	Press 4 to toggle between ON and OFF	Free Vend (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	Free Vend (New Setting) *-Exit 4-Edit
6.	Press * three times to exit	0.00

### FAST CHANGE

Enables the vending machine to give change immediately after the customer makes a selection. If Fast Change is ON, it overrides the Multi Vend feature.

**NOTE:** If "Optical Vend" is ON, the vend price of the product displays until a product drops.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 5 for Fast Change Menu	Fast Change (Current Setting) *-Exit 5-Edit
4.	Press 5 to toggle between ON and OFF	Fast Change (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	Fast Change (New Setting) *-Exit 5-Edit
6.	Press * three times to exit	0.00

### OPTICAL VEND

Not used in this model.

### POINT OF SALE MESSAGE (POS)

Turns ON or OFF the default scrolling display message.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 7 for POS Menu	POS Message (Current Setting) *-Exit 7-Edit
4.	Press 7 to toggle between ON and OFF	POS Message (Choice Flashing) *-Exit #-Save
5.	Press # to save the setting	POS Message (New Setting) *-Exit 7-Edit
6.	Press * three times to exit	0.00

### SET POINT

Not used in this model. Do not change factory setting.

### DROP SENSOR

Allows you to adjust the Drop Sensor Sensitivity; 1 is most sensitive and 9 is least sensitive. The default setting is 3 and should not need to be changed.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 5 for Options Menu	Options
3.	Press 9 for Drop Sensor	Drop Sensor (Current Setting) *-Exit 9-Edit
4.	Press 9 to edit the Drop Sensor sensitivity level	Drop Sensor (Choice Flashing) *-Exit #-Save
5.	Continue pressing 9 until the desired setting is shown on the display	Drop Sensor (New Temp) *-Exit 9-Edit
6.	Press # to save the setting	Drop Sensor (New Setting) *-Exit 9-Edit
6.	Press * three times to exit	0.00

## 7. ADVANCED FEATURES\*

This menu requires a password. The following sub-menus are included in the Advanced Features menu:

- Discount
- Exact Change
- Unconditional Acceptance
- Max Change
- Shutdown
- Energy Savings
- Pair
- Degrees

### DISCOUNT

This menu allows you to set a different price for selections at different times or on different days.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 1 for Discount	Discount
5.	Press 1 for All Items	All Items (Current Setting) *-Exit 1-Edit
6.	Press 1 to toggle All Items ON/OFF	All Items (Choice Flashing) *-Exit #-Save
7.	Press # to save the setting	All Items (New Setting) *-Exit 1-Edit
8.	Press * to return to Discount menu	Discount
9.	Press 4 for Day menu	Day
10.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
11.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
12.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
13.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
14.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 13 and 14.		
15.	Press * two times to return to Discount menu	Discount
16.	Press 5 two times for Start Time menu	(Current Time) *-Exit 5-Edit
17.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
18.	Press # to save the time	New Time *-Exit 5-Edit
19.	Press * two times to return to Discount menu	Discount
20.	Press 6 two times for Stop Time menu	Stop Time
21.	Press 6, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
22.	Press # to save the time	New Time *-Exit 6-Edit
23.	Press * two times to return to Discount menu	Discount
24.	Press 7 for Discount Value menu	Discount (Current Value) *-Exit 7-Edit
25.	Press 7, then enter new Discount Value (Enter the new price at which to sell the item)	Discount (New Value) *-Exit #-Save
26.	Press # to save the discount value	Discount (New Setting) *-Exit #-Save
27.	Press * two times to return to Discount menu	Discount
28.	Press 9 for Enable Discount menu	Enable (Choice Flashing) *-Exit 9-Edit
29.	Press 9 to toggle Enable ON/OFF	Enable (Choice Flashing) *-Exit #-Save
30.	Press # to save the setting	Enable (New Setting) *-Exit 9-Edit
31.	Press * five times to exit to Sales Mode	0.00



## DISCOUNT BY ROW

Note: Make sure All Items setting in the Discount Advanced Features menu is set to OFF.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 1 for Discount	Discount
5.	Press 2 for Row menu	Row: -- *-Exit
6.	Enter Row number	Row XX: (Current Setting) *-Exit 2-Edit
7.	Press 1 to toggle Row ON/OFF	Row XX: (Choice Flashing) *-Exit #-Save
8.	Press # to save the setting	Row XX: (New Setting) *-Exit 2-Edit
9.	Press * once to enter another row or two times to return to Discount menu	Discount
10.	Press 4 for Day menu	Day
11.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
12.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
13.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
14.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
15.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 14 and 15.		
16.	Press * two times to return to Discount menu	Discount
17.	Press 5 two times for Start Time menu	(Current Time) *-Exit 5-Edit
18.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
19.	Press # to save the time	New Time *-Exit 5-Edit
20.	Press * two times to return to Discount menu	Discount
21.	Press 6 two times for Stop Time menu	Stop Time
22.	Press 6, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
23.	Press # to save the time	New Time *-Exit 6-Edit
24.	Press * two times to return to Discount menu	Discount
25.	Press 7 for Discount Value menu	Discount (Current Value) *-Exit 7-Edit
26.	Press 7, then enter new Discount Value (Enter the new price at which to sell the item)	Discount (New Value) *-Exit #-Save
27.	Press # to save the discount value	Discount (New Setting) *-Exit #-Save
28.	Press * two times to return to Discount menu	Discount
29.	Press 9 for Enable Discount menu	Enable (Choice Flashing) *-Exit 9-Edit
30.	Press 9 to toggle Enable ON/OFF	Enable (Choice Flashing) *-Exit #-Save

31.	Press # to save the setting	Enable (New Setting) *-Exit 9-Edit
32.	Press * five times to exit to Sales Mode	0.00

### DISCOUNT BY SELECTION

Note: Make sure All Items setting in the Discount Advanced Features menu is set to OFF.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 1 for Discount	Discount
5.	Press 3 for Selection menu	Selection: -- *-Exit
6.	Enter Selection number	Selection XX: (Current Setting) *-Exit 3-Edit
7.	Press 1 to toggle Selection ON/OFF	Selection XX: (Choice Flashing) *-Exit #-Save
8.	Press # to save the setting	Selection XX: (New Setting) *-Exit 3-Edit
9.	Press * once to enter another row or two times to return to Discount menu	Discount
10.	Press 4 for Day menu	Day
11.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
12.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
13.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
14.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
15.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 14 and 15.		
16.	Press * two times to return to Discount menu	Discount
17.	Press 5 two times for Start Time menu	(Current Time) *-Exit 5-Edit
18.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
19.	Press # to save the time	New Time *-Exit 5-Edit
20.	Press * two times to return to Discount menu	Discount
21.	Press 6 two times for Stop Time menu	Stop Time
22.	Press 6, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
23.	Press # to save the time	New Time *-Exit 6-Edit
24.	Press * two times to return to Discount menu	Discount
25.	Press 7 for Discount Value menu	Discount (Current Value) *-Exit 7-Edit
26.	Press 7, then enter new Discount Value (Enter the new price at which to sell the item)	Discount (New Value) *-Exit #-Save
27.	Press # to save the discount value	Discount (New Setting) *-Exit #-Save

28.	Press * two times to return to Discount menu	Discount
29.	Press 9 for Enable Discount menu	Enable (Choice Flashing) *-Exit 9-Edit
30.	Press 9 to toggle Enable ON/OFF	Enable (Choice Flashing) *-Exit #-Save
31.	Press # to save the setting	Enable (New Setting) *-Exit 9-Edit
32.	Press * five times to exit to Sales Mode	0.00

### EXACT CHANGE

Sets the coin tube value that will trigger the display to show Please Use Exact Change message. For example, if Exact Change is set to \$5.00, the message will display when the total of coins in the tube, as counted by the VMC, is at or below \$5.00 total.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 2 for Exact Change	Exact Change \$--.00 *-Exit 1-Edit
5.	Press 1 to edit Exact Change	Exact Change (Flashing) *-Exit 1-Edit
6.	Use number keys to enter an amount	Exact Change (New Setting) *-Exit 1-Edit
7.	Press # to save the setting	Exact Change (New Setting) *-Exit #-Save
8.	Press * two times to exit	0.00

**ALTERNATE RULE** – This function prevents a vend from occurring, flashes the Please Use Exact Change message and will return the established credit amount if one or more of the coin tubes are too low to give back the correct change for the vend. Note: This setting must be OFF if using a bill validator only. If using a bill validator only, prices must be divisible by the denominations accepted by the bill validator.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 2 for Exact Change	Exact Change \$--.00 *-Exit 1-Edit
5.	Press 2 to set Alt Rules	Alt Rules (Current Setting) *-Exit 2-Edit
6.	Press 2 to toggle ON/OFF (default ON)	Alt Rules (Choice Flashing) *-Exit #-Save
7.	Press # to save the setting	Alt Rules (New Setting) *-Exit 3-Edit
8.	Press * two times to exit	0.00

### UNCONDITIONAL ACCEPTANCE

Sets the unconditional acceptance value. All cash box coins or bills equal to or less than this set value will be accepted, even if the changer cannot return an equal amount of change. When set to 0 (zero), all changer tube coins are accepted. Bills are accepted once there is enough change in the changer to pay back the bill type. Note: the Unconditional Acceptance set value is adjustable but the maximum value is equal to the largest denomination of currency or coin accepted by the changer or validator.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 3 for Unconditional Acceptance menu	Uncond Accept: (Current Setting) *-Exit #-Edit
5.	Press 3 then enter value	Uncond Accept: (New Setting) *-Exit #-Save
6.	Press # to save the setting	Uncond Accept: (New Setting) *-Exit #-Save
7.	Press * two times to exit	0.00

### MAX CHANGE

This option prevents change from being returned to the customer until the amount of credit has been reduced to a value less than or equal to the programmed maximum change limit.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 4 for Max Change menu	Max Change
5.	Press 1 for current Max Change setting	Max Change (Current Setting) *-Exit 1-Edit
6.	Press 1 to toggle ON/OFF	Max Change (Choice Flashing) *-Exit #-Save
7.	Press # to save the setting	Max Change (New Setting) *-Exit 1-Edit
8.	Press 2 and enter dollar amount	Max Change: \$--.— *-Exit #-Save
9.	Press # to save the setting	Max Change (New Setting) *-Exit 2-Edit
7.	Press * three times to exit	0.00

### SHUTDOWN

This menu sets the VMC to shut down a All Items, by Row or by Selection, based on four (4) time of day intervals. If the time falls within one of these intervals and the entire machine has been selected for shutdown, then the message, "Vending Operation to Resume at hh.mm," will be displayed.

If a row or individual selection has been set for Shutdown, the same message displays once every time the customer makes that selection or selections (row).

**NOTE:** the correct time and date must be set so that the shutdown intervals work correctly. See Time and Date section of this manual. Also, for any given day these four time intervals may overlap each other. For each interval, the VMC can be programmed from no days up to every day of the week on which the specified shutdown time intervals are active.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 5 for Shutdown	Shutdown
5.	Press 1 for Interval1 (2 for Interval2, and so on)	Interval1
6.	Press 1 to for All Items	All Items (Current Setting) *-Exit 1-Edit
7.	Press 1 to toggle ON/OFF	All Items (Choice Flashing) *-Exit #-Save
8.	Press # to save the setting	All Items (New Setting) *-Exit 1-Edit
9.	Press * to return to Interval1	Interval1
10.	Press 4 for Day menu	Day
11.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
12.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
13.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
14.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
15.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 13 and 14.		
16.	Press * two times to return to Interval1 menu	Interval1
17.	Press # two times for Start Time menu	(Current Time) *-Exit 5-Edit
18.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
19.	Press # to save the time	New Time *-Exit 5-Edit
20.	Press * once to return to Interval1 menu	Shutdown
21.	Press 6 two times for Stop Time menu	Stop Time
22.	Press 6, then enter Stop Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
23.	Press # to save the time	New Time *-Exit 6-Edit
24.	Press * two times to return to Shutdown	Shutdown
25.	Press 2, 3 or 4 to edit Intervals 2, 3 or 4	IntervalX
26.	Press 8 for Lighting menu	Lighting (Current Setting) *-Exit 8-Edit
27.	Press 8 to toggle Lighting ON/OFF <i>Lighting ON turns off lights during Energy Saving interval</i> <i>Lighting OFF leaves lights on during Energy Saving interval</i>	Lighting (Choice Flashing) *-Exit 8-Edit
28.	Press # to save the setting	Lighting (New Setting) *-Exit 8-Edit
29.	Press * five times to exit to Sales Mode	0.00

## SHUTDOWN BY ROW

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 5 for Shutdown	Shutdown
5.	Press 1 for Interval1 (2 for Interval2, and so on)	Interval1
6.	Press 2 for Row menu	Row: -- *-Exit
7.	Enter Row number	Row XX: (Current Setting) *-Exit 2-Edit
8.	Press 1 to toggle Row ON/OFF	Row XX: (Choice Flashing) *-Exit #-Save
9.	Press # to save the setting	Row XX: (New Setting) *-Exit 2-Edit
10.	Press * once to enter another row or two times to return to Shutdown menu	Shutdown
11.	Press 4 for Day menu	Day
12.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
13.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
14.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
15.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
16.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 15 and 16.		
17.	Press * two times to return to Shutdown menu	Shutdown
18.	Press 5 two times for Start Time menu	(Current Time) *-Exit 5-Edit
19.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
20.	Press # to save the time	New Time *-Exit 5-Edit
21.	Press * two times to return to Shutdown menu	Shutdown
22.	Press 6 two times for Stop Time menu	Stop Time
23.	Press 6, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
24.	Press # to save the time	New Time *-Exit 6-Edit
25.	Press * two times to return to Shutdown menu	Shutdown
26.	Press 2, 3 or 4 to edit Intervals 2, 3 or 4	IntervalX
27.	Press * five times to exit to Sales Mode	0.00

### SHUTDOWN BY SELECTION

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 5 for Shutdown	Shutdown
5.	Press 1 for Interval1 (2 for Interval2, and so on)	Interval1
6.	Press 3 for Selection menu	Selection: -- *-Exit
7.	Enter Selection number	Selection XX: (Current Setting) *-Exit 3-Edit
8.	Press 1 to toggle Selection ON/OFF	Selection XX: (Choice Flashing) *-Exit #-Save
9.	Press # to save the setting	Selection XX: (New Setting) *-Exit 3-Edit
10.	Press * once to enter another row or two times to return to Discount menu	Discount
11.	Press 4 for Day menu	Day
12.	Press 1 for All Days	All Days (Current Setting) *-Exit 1-Edit
13.	Press 1 to toggle All Days ON/OFF	All Days (New Setting) *-Exit #-Save
14.	Press # to save the setting	All Days (New Setting) *-Exit 1-Edit
15.	Press 2 to toggle Monday ON/OFF	Mon (Choice Flashing) *-Exit 2-Edit
15.	Press # to save the setting	Mon (New Setting) *-Exit 2-Edit
Use numbers 3-8 to complete the other days of the week using steps 15 and 16.		
16.	Press * two times to return to Shutdown menu	Shutdown
17.	Press 5 two times for Start Time menu	(Current Time) *-Exit 5-Edit
18.	Press 5, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
19.	Press # to save the time	New Time *-Exit 5-Edit
20.	Press * two times to return to Shutdown menu	Shutdown
21.	Press 6 two times for Stop Time menu	Stop Time
22.	Press 6, then enter Start Time in 24-hr time (HH:MM)	New Time *-Exit #-Save
23.	Press # to save the time	New Time *-Exit 6-Edit
24.	Press * two times to return to Shutdown menu	Shutdown
25.	Press 2, 3 or 4 to edit Intervals 2, 3 or 4	IntervalX
26.	Press 8 for Lighting menu	Lighting (Current Setting) *-Exit 8-Edit
27.	Press 8 to toggle Lighting ON/OFF <i>Lighting ON turns off lights during Energy Saving interval</i> <i>Lighting OFF leaves lights on during Energy Saving interval</i>	Lighting (Choice Flashing) *-Exit 8-Edit
28.	Press # to save the setting	Lighting (New Setting) *-Exit 8-Edit
29.	Press * five times to exit to Sales Mode	0.00

## ENERGY SAVINGS

Not used in this message. Do not change factory setting.

## PAIR

This function allows two adjacent motors to run at the same time so that large, wide items can be accommodated. A coil and rail change is also required. See Combining Selections section of this manual for more information.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 6 for Password (Advanced Features) Menu	Password
3.	Enter Password (default 2314)	Advanced Features
4.	Press 7 for Pair menu	Pair - - - *-Exit
5.	Enter the first motor number	Pair 013 to --- *-Exit #-Add
6.	Press # and enter the 2 <sup>nd</sup> motor number	Pair 013 to 015 *-Exit #-Save
7.	Press * two times to add another pair of motors or	Pair - - - *-Exit #-Save
8.	Press * five times to exit to Sales Mode	0.00

## DEGREES

Not used in this model.

## 8. MOTORS

This function displays the motor count. It is a useful, quick diagnostic tool in case of selection failure and can point out a motor issue if the count is not correct.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 7 for Motor count display menu	Motors (Count Flashes)
3.	Press * to exit to Sales Mode	0.00

## 9. SELECTION

This function tests the motor on one specified selection.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 8 for Selection motor test menu	Selection: --
3.	Enter selection to test and wait	Selection: (Current Selection) *-Delete
4.	Repeat for any other selections or	Selection: (New Selection) *-Delete
8.	Press * to exit to Sales Mode	0.00



## 10. SELECTION: ALL

This function tests all motors in sequence automatically. To stop the test, press \* to exit. NOTE: All selections should be empty prior to performing this test.

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 9 for Selection motor test menu	Selection: (First Selection) *-Stop
3.	Press * to exit to Sales Mode	0.00

## 11. TEST MODES

This menu contains diagnostic tests and settings for the following systems:

- Relays
- Vigilant Vend Sensor
- Drop Bias Setting\*
- System Logs\*
- On Door
- Manual Defrost

STEP		DISPLAY
1.	Press Service Mode Button	Motor Count or Error Code **
2.	Press 0 for Test Modes	Test Modes
3.	Press 1 to test relays; then press 1-6 to test each relay. Press 2 for vend sensor alignment test. Press 3 then password 2314 for log. NOTE: Do not use unless requested by trained personnel. Press 4 and toggle ON/OFF to show errors when door opens. Press 5 for Manual Defrost, which will enable you to set a manual defrost period for the machine. NOTE: Do not use unless requested by trained personnel.	Test Modes 1 through 5
4.	Press * to exit to Sales Mode	0.00

## ERROR CODE MESSAGES

<b>VMC Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
VMC Settings Reset	VMC has been reset to factory default.	If a software upgrade has just been performed, the VMC has been reset to default settings. Change your prices and other settings as required. Cycle power and verify your changes and any error messages.
VMC Door Switch	Door switch is seen as open for greater than the allowed time.	Check the door switch for correct operation. Check door wire harness.
VMC Scale Factor	There is a conflict with one or more MDB setting from the installed MDB devices.	Review manuals and settings for installed MDB devices to make sure they are compatible.
VMC Selection SW	A keypad selection button is stuck in the depressed position.	Determine reason why keypad button is stuck and repair.
VMC Low AC	The incoming AC power is lower than required to properly run your vending machine.	Determine why voltage is low. Remove any voltage reducing devices not authorized by the vending machine manufacturer.
VMC RAM Checksum	A RAM checksum error indicates that accounting data or a VMC setting was in error. The VMC will use a backup copy of the data where possible.	Check the VMC settings and accountability data for correctness. Cycle power to the vending machine and recheck error messages.

<b>Motor Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Motor [Number] Open	The motor indicated or harness to that motor has an open electrical connection.	Check the motor and motor harness for open connections. Test vend motor. Replace if necessary.
Motor [Number] Short	The motor or harness has an electrical short.	Check motor and motor harness for short. Replace if necessary.
Motor [Number] Home Sns	The motor home switch was not detected while the motor was in operation. This may also indicate a motor jam condition.	Check motor type service mode setting, motor, motor switch and then spiral for blockage. Test vend selection motor if necessary.
Motor [Number] Jam	A motor jam has been detected.	Check motor and spiral for blockage.
Motor [Number] Errors	One or more motor errors have been detected.	Test vend selection motor and review information on motor open, short, home switch and jam conditions.
Motor Under Voltage	The detected motor voltage is not high enough to run the selection motors.	Test vend selection motor for correct operation. Replace motor. Replace VMC.

<b>Temperature Sensor Errors (Refrigerated Models Only)</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Refrig Sensor # Open	A temperature sensor or harness is considered to have an open electrical connection. Where # is the sensor number.	Check sensor and sensor harness for open connections. Check for sensor readings. Replace sensor if necessary.
Refrig Sensor # Short	A temperature sensor or harness is considered to have an electrical short. Where # is the sensor number.	Check sensor and sensor harness for shorted connections. Replace if necessary.
Refrig Health Safety	The cabinet temperature and time limit settings have been exceeded.	Check sensor readings and sensor harness for shorted connections. Check for sensor readings. Replace sensor if necessary.

<b>Vend Sensor Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Optical Sensor Error	The vend sensor is blocked, out of alignment or not detected.	Check sensor and sensor harness for open connections. Check for sensor readings. Replace sensor if necessary.

<b>Coin Changer Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Coin Mech Comm	VMC does not have communication with the coin changer.	Check MDB Harness to changer. Check for power on changer. See changer service manual.
Coin Mech Tube Sns	The coin changer has reported a tube sensor error.	See changer service manual.
Coin Mech Inlet	The coin changer has reported an acceptor blockage.	Check changer tubes. See changer service manual.
Coin Mech Tube Jam	The coin changer has reported a tube payout error.	Check changer tubes. See changer service manual.
Coin Mech ROM	The coin changer has reported a program memory error.	See changer service manual.
Coin Mech Excess Esc	The coin changer has reported that a large number of coin escrow requests have occurred.	Check changer escrow lever position.
Coin Mech Coin Jam	The coin changer has reported that a coin is jammed in the coin path.	Check changer coin path. See changer service manual.
Coin Mech Low Accept	The VMC has seen a low acceptance rate on coins.	Review inserted coins. See changer service manual.
Coin Mech Accpt Disc	The coin changer has reported that the coin validation acceptor is disconnected.	Re-connect the coin changer's acceptor. See changer service manual.
Coin Mech Route Err	The coin changer reported that a coin did not follow the correct path.	Check changer coin path. See changer service manual.

<b>Bill Validator Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Bill Val Comm	VMC does not have communication with the bill validator.	Check MDB Harness to validator. Check for power on validator.
Bill Val Stack Full	The bill validator has reported that the stacker is full of bills.	Check bill stacker box for bills. See validator service manual.
Bill Val Motor Err	The bill validator reports that a validator motor error has occurred.	See validator service manual.
Bill Val Jam	The bill validator reports a bill is stuck in the bill path.	Check validator bill path for bills. See validator service manual.
Bill Val Stack Open	The bill validator is reporting a bill box is open or not installed.	Check bill stacker box for open lid. See validator service manual.
Bill Val Sensor Err	The bill validator reports a sensor error.	See validator service manual.

<b>Card Reader 1 and 2 Errors</b>		
<b>Error Message</b>	<b>Description</b>	<b>Possible Solutions</b>
Card RDR1 or 2 Comm	VMC does not have communication with the card reader.	Check MDB Harness to card reader. Check for power on card reader.
Card RDR1 or 2 Err	The card reader reports an error	See card reader service manual.

NOTE: Errors are cleared after the problem detected has been resolved.

NOTE: A sold out selection status must be cleared by opening the front door and pressing the Menu button (see Figure 2).

## **CARD PAYMENT SYSTEM**

Your vending machine may be equipped with a card payment system, also known as a cashless payment system. You will need to follow the activation instructions in the enclosed, separate Quick Start Guide and refer to the separate documentation provided on operation of this component of your vending machine.

**IMPORTANT:** Record the serial number of your card payment system, which can be found on the back of the reader itself and on a small label on the black cord coming out of the back of the reader.

**IMPORTANT:** Contact the payment system customer service number provided in the card reader information to activate your account, register your device and set the Preauthorization Amount.

**IMPORTANT:** The Preauthorization Amount must be equal to or higher than the highest priced item in your machine. Otherwise a sale higher than the Preauthorized Amount will be rejected by the credit card company.

## LIMITED WARRANTY

Seaga warrants to the original purchaser that the equipment is free from defects in material and factory workmanship for a period of one (1) year from date of shipment.

This warranty applies only if the equipment has been serviced and maintained in strict accordance with the instructions presented in the Operator's Manual and no unauthorized service, repair, alteration or disassembly has been performed. Any defects caused by improper power source, poor water quality or pressure, an installed water filtration system not fully functioning, abuse of the product, accident, alteration, vandalism, improper service and maintenance schedules, use of products or ingredients not allowed in the machine, corrosion due to use of non-approved detergents or cleaning solutions, or damage incurred during return shipment will not be covered by this warranty. Further, equipment that has had the serial number removed, altered or otherwise defaced will not be covered by this warranty.

Lighting components, advertising player, glass, paint, decals, fuses, labor and/or installation are not covered by this warranty.

Follow proper maintenance procedures and use of equipment, as described in the Operator's Manual provided on Seaga's web site at [seaga.com](http://seaga.com), which include but are not limited to:

- Cleaning of equipment including regular maintenance
- Proper installation and location of equipment with respect for the indicated temperature and humidity levels
- Proper use of equipment including loading, programming and setup

**THIS WARRANTY IS EXCLUSIVE AND IS GIVEN BY SEAGA AND ACCEPTED BY BUYER IN LIEU OF ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ALL SUCH OTHER WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED BY SEAGA AND WAIVED BY BUYER. Seaga neither assumes nor authorizes any person to assume for it any obligation or liability in connection with the sale of said unit(s) or any part(s) thereof.**

Repair or replacement of proven defective parts is limited to manufacturing defects demonstrated under normal use and service during warranty period. Contact Seaga's Customer Care Department to be assigned a Return Authorization (RA) number. Seaga requires complete information including the serial number(s) of the machine(s), date of purchase and description of the part and/or suspected defect. Seaga may also be contacted, with complete information, by phone: 815.297.9500, by fax: 815.297.1700 and also by email: [customercare@seaga.com](mailto:customercare@seaga.com)

Send defective part(s), assembly or complete unit, Attention to the RA Number, prepaid or delivered to:



700 Seaga Drive  
Freeport IL 61032

Seaga will repair or replace, at our option, any covered part which meets the provisions herein during the warranty period. It is our discretion to replace defective parts with comparable parts. Seaga reserves the right to make changes or improvements in its products without notice and without obligation, and without being required to make corresponding changes or improvements in equipment already manufactured or sold.

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