



## **SlimLine SL3100 Snack Vendor** (Intelli Version)



# **OPERATOR'S MANUAL**

## **INTRODUCTION**

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

### ***PLEASE READ THIS MANUAL COMPLETELY***

Your snack vendor 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 vendor 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 any questions you may have on this process.

Once you have your vendor located, we suggest that you keep this manual for future reference, or you can view this manual online at [www.seaga.co.uk](http://www.seaga.co.uk). Should any problems occur, refer to the section entitled "trouble-shooting guide". It is designed to help you quickly identify a problem and correct it.

## **MANUFACTURER'S WARRANTY**

**WHAT IS COVERED:** Manufacturer warrants TO THE ORIGINAL PURCHASER ONLY that each item of equipment manufactured is free from defects in material and workmanship under normal use and service. Manufacturer's obligation under warranty shall be limited to repair or replacement, at our plant, of any parts of the equipment which shall within one year of the date of shipment to the original purchase, be demonstrated to be defective. The original purchaser may obtain repair or replacement of the equipment under warranty by returning the defective item or entire vendor to the Manufacturer, freight prepaid.

**WHAT IS NOT COVERED:** Manufacturer's warranty obligations DO NOT EXTEND TO OR INCLUDE installation expenses, vandalism, or difficulties resulting from failure to operate equipment in accordance with Manufacturer's instructions under competent supervision and difficulties due to changes in vended products, which are beyond the control of manufacturer.

**SPECIAL NOTE:** Manufacturer is not responsible for any loss of income due to a vending machine being out of service due to a warrantable item.

This warranty is in lieu of all the other warranties, expressed or implied, including the warranty of merchantability and fitness for use, and of all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes, nor authorizes any other person to assume for it, any other liability in connection with the sale of equipment manufactured by itself. This warranty shall not apply to equipment manufactured or any part thereof which is subject to accident, negligence, alteration, abuse, misuse, or damage in shipment. The term "original purchaser", as used in this warranty, shall be deemed to mean that person for whom the equipment is originally installed.

Manufacturer is not liable for any incidental, consequential or other damages of any kind whatsoever, directly or indirectly, arising from the use of the equipment whether based upon theories of contract negligence or tort.  
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**Seaga UK Ltd.**  
Unit 8, Caebach, Off Builders Street  
Llandudno North Wales LL30 1DR  
[www.seaga.co.uk](http://www.seaga.co.uk)

For Service and Customer Care:  
09:00a.m. - 5:30 p.m. Mon - Fri  
Phone: +44(0)1492 874010  
Fax: +44(0)1492 874644  
e-mail: [info@seaga.co.uk](mailto:info@seaga.co.uk)

# **The Slimline Series Snack Vendor**

This Operator's Manual is divided into Four (4) main sections: Unpacking your Vendor, Brief description of Vendor, Service Mode and Fault Analysis.

## ***IMPORTANT NOTICES***

- Your vendor is intended for indoor use only.
- Your vendor must be set on a level, well supported location and wall mounted.
- Always unload vendor before transporting it.
- Remove the plastic cable ties from each helix coil.
- Remove any protective sheets from under the Helix coil support plates before loading the vendor.
- Do not load your vendor with disfigured or damaged product.

## **Section 1 UNPACKING YOUR VENDOR**

### **FIXING OF BASE PLATE**

Your Vendor comes with the vertical support plate affixed on to the Body. The Base Plate along with mounting screws is kept separately in the packing box.

Remember to tighten the base plate on to this vertical support plate at the time of installation.

### **HOW TO LOCK & UNLOCK THE DOOR OF SL3100 SNACK VENDOR**

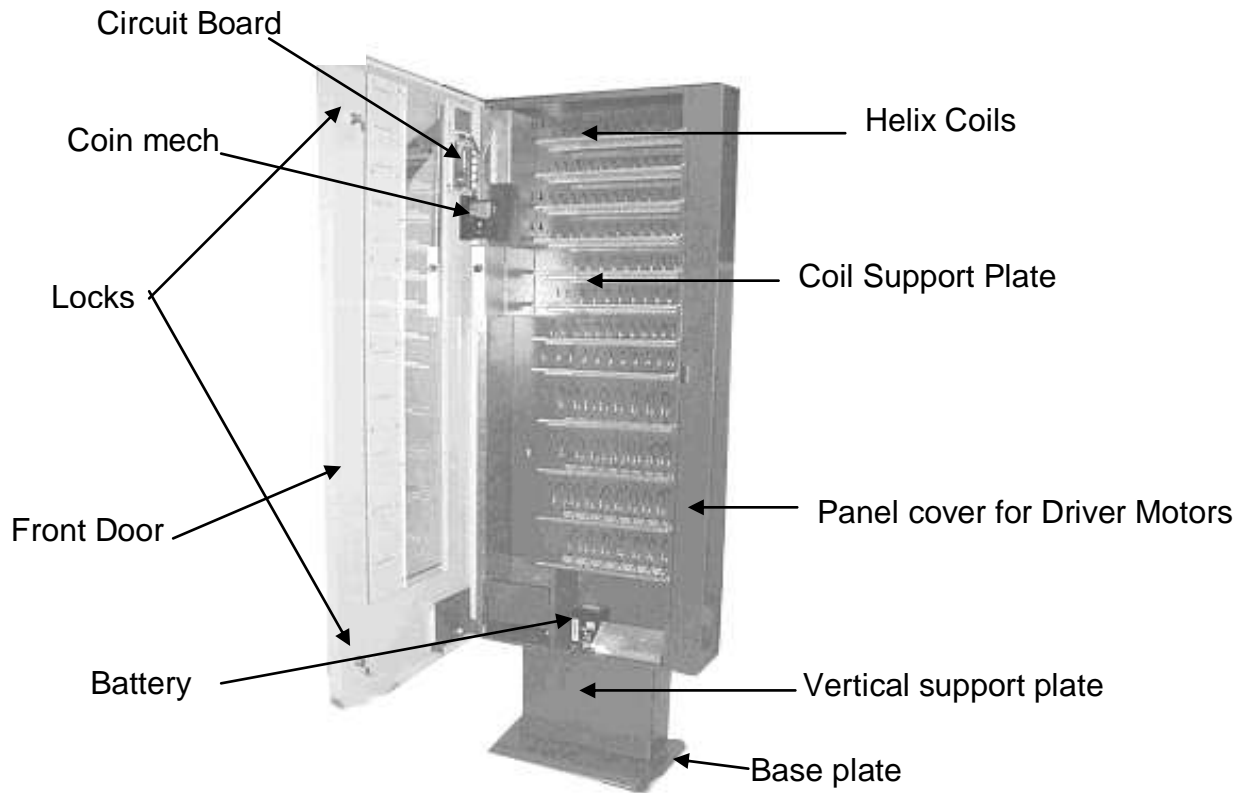
Your Vendor has 2 locks, one each at the bottom and top of the front door (Fig. 1). To open the door, insert the Key in the locks and turn counter clockwise. The door can now be opened. To lock the door, turn the keys clockwise in both the locks. The paper sheets under the Helix coil support plates must also be removed before loading the vendor.

### **ELECTRICAL CONNECTION**

Your snack vendor requires an input of 12 volt DC.

## Section 2 BRIEF DESCRIPTION OF YOUR SLIMLINE VENDOR

Fig 1 Photo of machine with door open



### GENERAL DESCRIPTION

The snack vendor may be driven by a 12-volt battery or via a permanent 12 VDC supply obtained through an AC/DC adapter. The vendor incorporates a Multi Functional Controller Board with a range of features such as 12 individual selections, multiple coin handling, and a compact size.

### KEYPAD AND LCD DISPLAY

The Keypad is touch-sensitive. Light pressure will be necessary to activate each number. The vendor's Keypad is used by the customer to make their selection and by the operator to set and test the many functions of the vendor.

### DELIVERY SYSTEM

The delivery system of your snack vendor consists of the Keypad, LCD Display, Driver Motors, Coil Support Plates and Helix Coils. The customer inserts money and enters their selection on the Keypad. The selected Driver Motor turns the Helix Coil that vends the product.

## LOADING PRODUCT

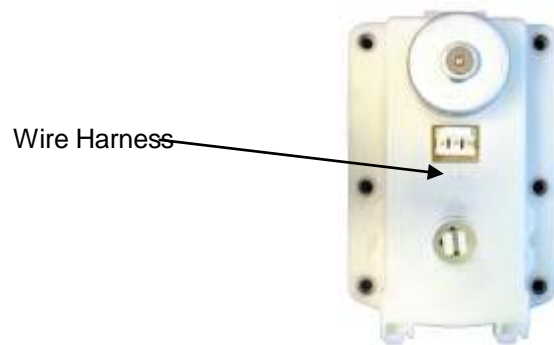
To present your product in an attractive and professional manner as possible, do not load damaged items. **Note:** The size of the item being vended must be larger than the helix coil but smaller than the coil support plate to vend correctly. Never force an oversized item into the helix coil or attempt to vend an item that is smaller than the helix coil as this will create problems and deter customers.

## DRIVER MOTORS

Each selection is vended by the action of the Driver Motor. The SL3100 has twelve (12) Driver Motors. The Driver Motors are clipped to the Motor Bracket on the Column Assembly. (Fig. 1)

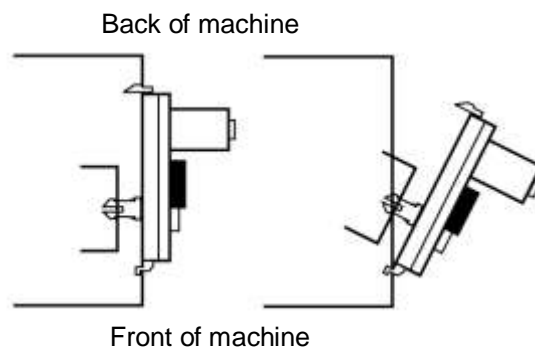
In the rare event of a jam a Driver Motor may need to be returned to its home position. The home position is when the shaft of the Spiral Coil that is held by the Driver is vertical, with the end of the shaft pointing up.

Figure 2 Driver Motor EL268R



1. To return, see the Controller Board section of this manual.
2. To remove a driver motor:
  - a. Remove panel cover on right side of inside of machine (Fig. 1)
  - b. Depress the side tab on the driver motor and lift the driver motor free (Fig. 3)
  - c. Disconnect wire harness
  - d. Replace driver motor by repeating above steps in reverse

Figure 3 Motor Removal



The software automatically detects whether the unit is powered by a battery or by a mains power supply. In both battery mode and mains mode cash credit is held in non-volatile memory to ensure it survives a temporary power loss.

## **BATTERY MODE**

The machine operates in 'Sleep Mode'. This means that when the machine is not in operation (between vends), it will automatically shut down in order to save battery power, prolonging the life of the battery. During 'Sleep Mode' the machine display normally turns off its left hand digit and the machine monitors to see if a coin has been inserted or a button pressed in order to 'wake-up'. The following conditions will 'wake-up' the machine from 'Sleep Mode'.

1. Coin Insertion
2. Selection Button Press
3. Press Service Button
4. Press Reset Button

On Wake-up the machine will only go back to 'Sleep Mode' under the following conditions:

1. Directly after a vend has been made (Unless there is excess credit present in which case the machine will wait a further 60 seconds before going to sleep).
2. After 20 seconds after a selection has been pressed if no coins are inserted, or if an inserted coin wakes the unit up but is rejected by the Coin Acceptor.
3. After 5 seconds if a selection has been pressed and the machine is completely out of product (in Stock monitoring mode only). If the machine is completely out of stock no coins will be accepted.
4. After 60 seconds if remaining credit is unused.
5. Immediately after exiting Service Mode

These values are extended each time a selection is pressed or coin inserted.

In battery mode the voltage from the battery is measured and if it is too low the “**bAtt**” display is shown. Once the battery has been replaced it is necessary to go into service mode to clear the condition and the logged errors showing the reason for the battery low condition.

For added security and avoiding the risk of a 'frozen unit', the software automatically resets every 2.2s when in “sleep mode” (immediately going back to sleep again) and once approximately every hour it will wake-up fully for approximately 15 seconds to ensure that the setup is correct.

## **MAINS MODE**

The machine follows the same sequences as in battery mode but does not actually go into “Sleep Mode” and therefore does not require a wake up condition to continue operation.

The following display formats are used:

	<b>Sleep Mode Display</b>	<b>Active Mode Display</b>
Normal Operation, no credit available	<b>0.00</b>	<b>00.00</b>
Normal Operation, some credit available	<b>00.01 – 99.99</b>	<b>00.01 – 99.99</b>
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 is inserted the display reverts immediately)	N/A	<b>00.01 – 99.99</b>
Free Vend Mode	<b>FrEE</b>	<b>FrEE</b>
If a selection is out of stock when a selection is pressed – this is displayed for a few seconds	N/A	<b>Sold Out</b> (as two successive messages)
All Items out of stock=	-.--	<b>Sold Out</b> (as two successive messages)
Battery level – advance warning that it will soon need replacing	<b>.00</b>	No specific message
Battery low and in need of replacement	<b>bAtt</b>	<b>bAtt</b>
Machine Out Of Order	<b>Err</b>	<b>Out oF Ordr</b> (as 3 successive messages)
During a Vend (Progress bar, 1, 2, 3 and 4 dashes)	N/A	- - - -

## Section 3 SERVICE MODE

The operation of the machine can be adjusted by entering service mode by pressing the red button on the VMC circuit board and then accessing the appropriate operation. Price setting, coin value setting, and vend-credit criteria 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.

### Operation

- 1 Enter Service Mode by pressing the Service Button on the VMC Circuit board.

On entry to Service Mode, up to 8 Error Codes may be displayed. These can be cleared using the Clear Errors menu option.

Error Code Display                      **Er.\*\*** (where \*\* is the error number)

2. Each Service Code can then be accessed by repeat pressing of the Service Button

Pressing Service Button (AUDIT)	Displays	<b>Au.--</b>
Pressing Service Button (PRICE SETTING)	Displays	<b>PS.--</b>
Pressing Service Button (COIN VALUE SETTING)	Displays	<b>Cn.--</b>
Pressing Service Button (CONTROL WORD SETTING)	Displays	<b>Ct.**</b> <small>Where ** is the current word</small>
Pressing Service Button (SOUND On/Off)	Displays	<b>So.0*</b> <small>Where * is the current state (0 or 1)</small>
Pressing Service Button (TEST MODE)	Displays	<b>tE.--</b>
Pressing Service Button (TEST ALL MOTORS)	Displays	<b>AL.--</b>
Pressing Service Button (CLEAR ERRORS)	Displays	<b>CL.--</b>
Pressing Service Button (FACTORY RESET)	Displays	<b>Fr.--</b>
Pressing Service Button ( <b>AUDIT PRINTOUT</b> )	Displays	<b>AP.--</b>
Pressing Service Button (EXIT)		Machine goes to Sleep

3. Service Mode can be exited by stepping through all menu options using the Service Button, or automatically if there is no activity for 30 seconds. On Exit the software version number is displayed as **u\*. \*\***.

## Audit

Within Service Code AU (Audit) readings can be taken from the Display with regards to cash taken, and number of products vended. The following details can be obtained on the Display.

- 1 Total Cash Taken (up to 9999.99)
- 2 Total Product Vended (up to 9999)
- 3 Individual Product Vended (from each selection) up to 999
- 4 Total Cash Out as change (up to 9999.99)

- Press the Red Service Button repeatedly till the LCD Displays **Au**. *You are now in Audit Mode*
- Press Selection 1 to reveal the total cash (\$/£/€) and (c/p) taken.
- Displays 88.88 for 0.75 seconds before showing the cash values: Displays \*\*\*\* and --. \*\*
- Press Selection 2 to reveal the total product vended Displays \*\*\*\*
- Press Selection 3 to reveal the individual product vended

The display scrolls through each selection displaying the quantity vended **1.\*\*\*** to **9.\*\*\***, then **A.\*\*\*** through to **F.\*\*\*** and then **0.\*\*\*** for selections 1 to 12 respectively. Press any selection key to end this sequence immediately.

Returns to **Au-** at end of routine.

- Press Selection 4 to clear all the Audit data Displays **Clr**

### For the standard software version:

- Press Selection 5 to reveal the total cash OUT(\$/£/€) and (c/p) Displays \*\*\*\* and --. \*\*
- Press Selection 6 to display the current “no load” battery voltage Displays \*\*.0  
(If the voltage is above 12.20 volts the display will show “**b 12**”)
- Press Selection 7 to display the most recent “under load” voltage Displays \*\*.0
- Press Service Button to scroll to exit.

Within Service Code AP (**Audit Printout**) press any selection key to output a printout of the Audit data on the serial dataport. The data is output at 9600 baud, 8 data bits, no parity and with 1 stop bit. The printout shows the lines below, with each printout line terminated with a CR-LF sequence:

```

Total Cash In   nnnn.nn
Total Sales     nnnn
Total Cash Out  nnnn.nn
Sales nn       xxx           Repeated for the fitted columns 01 up to 16
```

## Price Setting

Price Setting can be done by entering Service Code PS.

Each selection can be allocated any price from 00.00 to 99.99, and is achieved by inserting coins to the vend amount and allocating that amount to the desired selection(s).

- Press the Red Service Button repeatedly until the LCD Displays **PS.—**  
***You are now in Price Setting Mode***
- Insert coins to the first desired price (for simplicity set the lowest price first)  
***Credit will accumulate on the display*** Displays **\*\* . \*\***
- Press desired selection button to store displayed credit to that selection – a long bleep and a “Set” display will confirm that the price has been programmed.
- Insert additional coins if required and repeat for other selections.
- Press Service Button to scroll to exit.

***Prices may be set from 00.00 to 99.99 (depending upon coin values). The default price setting is 1.00***

## Coin Value Setting

Coin Value setting allows for the changing of the individual values for the 6 coin outputs from the Coin Acceptor (Values from a coin changegiver cannot be changed). Values can be adjusted from 00.00 to 99.99 or can be set as a free vend token.

- Press the Red Service button repeatedly until Displays **Cn.—**  
***You are now in the Coin Value setting Mode***  
***You first need to set the value for the coin***
- Press Selection Button 1 to increment the --.\*\* Value Displays **00.\*\***
- Press Selection Button 2 to decrement the --.\*\* Value Displays **00.\*\***  
***That is the cent/pence value set. Now we need the dollar/euro/pound value***
- Press Selection Button 3 to increment the \*\*.- Value Displays **\*\*??**
- Press Selection Button 4 to decrement the \*\*.-Value Displays **\*\*??**
- Press Selection Button 5 to set the coin as a Free vend Token (pressing any other key reverts to a value) Displays **FrEE**  
***Now with the value on the display, insert the coin for which the value must be assigned***
- Insert Required Coin until it is accepted and the unit “bleeps” and displays “Set” to assign the value to that coin
- Repeat steps 3 to 7 until all coins are set.
- Press Service Button to exit

## CONTROL WORD

- Press the service button repeatedly until  
(where \*\* is current value)  
*You are now in Control Word Setting* Displays **Ct.\*\***
- Press Selection Button 1 to increment the value  
*The control word is now set* Displays **Ct.\*\***
- Press Service Button to exit

The control word options supported are:

<b>Code</b>	<b>Credit vs. Vend Price Before vend is performed</b>	<b>Excess Credit (Coin Acceptor)</b>
03	Credit >= Vend Price	Cancelled immediately
04	Credit >= Vend Price	Held until power removed
05	Credit >= Vend Price	Held for 60 seconds
06	None – Free Vend Mode	Not applicable

## SOUND (On/Off)

- Press the service button repeatedly until  
*(where \* is current value)* Displays **So.0\***
- Press Selection Button 1 to toggle the setting Displays **So.0\***
- Press Service Button to exit

A value of 1 enables the sound, 0 disables the sound. Sounds within the menus cannot be disabled.

## STOCK MODE (On/Off)

- Press the service button repeatedly until  
*(where \* is current value)* Displays **St.0\***
- Press Selection Button 1 to toggle the setting Displays **St.0\***
- Press Service Button to exit Displays

A value of 1 enables checking of the Stock switches on the motors. 0 disables the mode, all selections will be permanently IN STOCK (visual stock check only).

## **TEST MODE**

- Press the service button repeatedly until Displays **tE--**
- Press Service Button to exit Displays

In Test Mode, pressing a selection switch will operate the selected motor. If a coin is inserted its value will be displayed for 1 second.

## **ALL MOTORS MODE**

- Press the service button repeatedly until Displays **AL--**
- Press Service Button to exit Displays

In this mode, press selection button 1 to commence a single test vend on all fitted motors.

## **CLEAR ERRORS**

- Press the service button repeatedly until Displays **CL--**
- Press Service Button to exit Displays

In this mode, press any selection button to clear all errors – confirmed with a “**CLr**” display.

## **FACTORY RESET OF SETTINGS**

- Press the service button repeatedly until Displays **Fr--**
- Press Service Button to exit Displays

In this mode, press selection button 2 for two seconds to reset to these factory default settings (confirmed with a “Set” display).

Prices;	Depends on software version
Coin Values:	0.05, 0.10, 0.20, 0.50, 1.00, 2.00
Control Word:	05
Sound:	ON
Stock Mode:	OFF
Payment Devices:	00 (Change giver and Bill Reader disabled)
Negative Counters	All 12

## Error Codes

Error Code Number	Fault detected	Hard/Soft fault	Action
01 .. 16	Motor 01..16 respectively	Soft	Repair/replace motor/home switch
20	EEPROM Checksum Error	Hard	Factory Reset through the menus to clear the fault, then set up prices etc again
30	Coin Mech fault	Hard	Repair/replace Coin Mech
41 – 57	Keypad fault (key 1..16 respectively)	Hard	Repair/replace keypad
70	Battery Low – no load voltage too low	Hard*	Replace/recharge the battery
71	Battery Low – under load voltage too low	Hard*	Replace/recharge the battery
72	Battery Low – battery internal resistance too high	Hard*	<b>Replace</b> the battery
73	Battery nearly low	Warning	Replace/recharge the battery soon

**Soft Errors** – unit will continue to operate though failed motors will show as “Sold Out” and be blocked from operation if selected. If the unit has detected 8 different soft faults it will become a Hard fault.

**Hard Errors** – the unit is put out of service. This mode can only be cleared via the service button.

**Hard\* Errors** – the unit is put out of service until the battery is replaced/recharged and the service button is pressed to clear the error conditions.

## Test Sequence

This tests the operation of all the motors in the machine. This is useful to re-align any jammed motors.

- Press the Red Service Button to Enter Service Mode to scroll to *You are now in applications Mode*      Displays      AP.–
  - Press Selection 1 to activate test sequence      Displays      test
- The machine will now perform a test as outlined below any faults that occurred will be indicated by a 2 digit code at the end of the Test Sequence.*      Displays      Er.\*\*
- Press Service Button to exit      Displays
- Where \*\* may be a 2-digit code

- Notes:**
- *The test sequence may activate a motor for two cycles; this is normal.*
  - *If after a test a fault code appears, correct the fault and test again.*
  - *The Display will return Normal Mode 60 seconds after the last button has been pressed unless the Red Service has been pressed or the reject is pressed.*

## Test Code Map

	<b>TEST</b>	<b>WHAT IS VISIBLE</b>	<b>ACTION</b>
1	Escrow Return <i>Power</i>	Displays 'TEST'	Escrow Return Opens [if present] <i>Power Status Checked</i>
2	LEDS <i>Price Setting</i>	Displays '88.88' all Column LEDES on	Ensure all LED Segments Illuminate <i>Confirm Prices are set</i>
3	Escrow Keep	Displays <b>PL.**</b> [Timing Value]	Escrow Keep Opens [if present] <i>Confirms Coin Values</i>
4	Motor 1 <i>Control word</i>	Displays <b>01.-*</b> where * is motor Version	Motor 1 operates [if present] <i>Confirms that a valid control word is set</i>
5	Motor 2 <i>Motor Assignment</i>	Displays <b>02.-*</b> where * is motor Version	Motor 2 operates [if present] <i>Confirms that a valid motor assignment is set</i>
6	Motor 3 <i>Coin count value</i>	Displays <b>03.-*</b> where * is motor Version	Motor 3 operates <i>Confirm that a valid coin count value is set</i>
7	Motor 4 <i>Audit</i>	Displays <b>04.-*</b> where * is motor Version	Motor 4 operate [if present] <i>Confirms that all audit registers are valid</i>
8	Motor 5 <i>Timing belt</i>	Displays <b>05.-*</b> where * is motor Version	Motor 5 operates [if present] <i>Confirms that valid timing belt value is set</i>
9	Motor 6 <i>Etc Motor 16</i>	Displays <b>06.-*</b> where * is motor Version	Motor 6 operates [if present]
10	End of Test	Displays <b>0-.**</b>	Where ** is a fault found during test

## Section 4 FAULT ANALYSIS

Within the machine there is an internal fault analysis. Every 0.1 second the machine will do a self analysis test. This test does not affect the normal operation of the machine and there will be no change of status of the machine from a users point of view. The machine will still accept coins, display prices and vend products even during self analysis test. If the machine observes a problem it will double verify the cause and store the error, which will be displayed during service mode. To display an error code, simply enter service mode by pressing the red button. The error code will be displayed intermittently. To clear an error code, simply exit service mode (rectify error if necessary).

Note: If more than 5 normal error codes have been detected the machine will assume 'Fatal error' status putting the machine 'Out of Ord(e)r'.

### TROUBLESHOOTING

Listed below are some of the common faults along with their remedies. Always, if possible, perform a machine test to see if a fault rectifies itself.

<p><b>Motor does not work at all and</b></p> <ul style="list-style-type: none"> <li>- Sold Out Displays on button press</li>   <li>- Display shows Vend Price on selection press</li>   <li>- Column empty switch</li>   <li>- Display shows ' - - . - - ' Temporarily</li>   <li>- No change in Display occurs on selection press</li> </ul>	<p><b><i>Product has jammed</i></b></p> <ul style="list-style-type: none"> <li>- Remove any jam and enter and exit Service Mode to remove error code</li> </ul> <p><b><i>Connecting Cable has dislodged</i></b></p> <ul style="list-style-type: none"> <li>- Ensure all cable are inserted correctly</li> </ul> <p><b><i>Price setting set to zero</i></b></p> <ul style="list-style-type: none"> <li>- Reset prices for desired selection</li> </ul> <p><b><i>Selection button assigned to wrong motor</i></b></p> <ul style="list-style-type: none"> <li>- Reset Selection Assignment</li> </ul> <p><b><i>Machine Has experienced a ' Fatal Error '</i></b></p> <ul style="list-style-type: none"> <li>- Enter Service Mode to view error and remedy accordingly</li> </ul> <p><b><i>Inserted credit is outside of the boundary of the control word setting</i></b></p> <ul style="list-style-type: none"> <li>- Inserted Credit below the vend price</li> <li>- Confirm and reset 'Control Word'</li> </ul> <p><b><i>Power not being supplied to motor</i></b></p> <ul style="list-style-type: none"> <li>- Check that all cables are inserted correctly</li> <li>- Replace Motor/or connecting cable</li> </ul> <p><b><i>Problem with Selection Panel Button</i></b></p> <ul style="list-style-type: none"> <li>- Ensure that all cables are inserted correctly</li> </ul> <p><b><i>Replace Selection Panel</i></b></p>
<p><b>The Incorrect Motor Spins on selection press</b></p>	<p><b><i>Motor back up in operation</i></b></p> <ul style="list-style-type: none"> <li>- Reset Motor back up</li> </ul>

<p>The Machine will not vend but displays --.—on the Display on button press</p>	<p><b>Power not been applied to motor-error with dispensing motor</b></p> <ul style="list-style-type: none"> <li>- Replace motor</li> <li>- Replace cabling</li> </ul>
<p>The Display is illegible</p>	<p><b>Machine entered a 'loop' state</b></p> <ul style="list-style-type: none"> <li>- Reset control board by pressing Black Reset Button</li> </ul>
<p>The Machine will not power up and the display is blank</p>	<p><b>Machine entered a loop state</b></p> <ul style="list-style-type: none"> <li>- Reset Control Board by pressing Black Reset Button</li> </ul> <p><b>Power lost to machine</b></p> <ul style="list-style-type: none"> <li>- Confirm that power is going to machine</li> </ul> <p><b>HOW?</b></p> <ul style="list-style-type: none"> <li>- Check to see if AC/DC adapter is warm. If its cold then this would indicate that power is not going to the machine</li> <li>- Check that Fuse on Circuit Board is not Blown</li> <li>- Check that all connectors are fully in place</li> </ul> <p><b>Battery is completely dead</b></p> <ul style="list-style-type: none"> <li>- Replace Battery and depress the Black ' Reset' Button</li> </ul> <p><b>Power is not applied to circuitry</b></p> <ul style="list-style-type: none"> <li>- Replace Control Board</li> </ul>
<p>Pressing a selection button gets no reaction of the display [either the price or sold out]</p>	<p><b>Loose connection</b></p> <ul style="list-style-type: none"> <li>- Check that all connectors from the panel are plugged in correctly at both the panel end and the circuit board</li> </ul> <p><b>Button panel is faulty</b></p> <ul style="list-style-type: none"> <li>- Replace panel</li> </ul>
<p>An inserted coin is continually rejected</p>	<p><b>The machine entered a 'Loop' state</b></p> <ul style="list-style-type: none"> <li>- Reset Control Board by pressing Black reset Button</li> </ul> <p><b>A fatal error has occurred</b></p> <ul style="list-style-type: none"> <li>- Enter Service Mode to view error and remedy accordingly</li> </ul> <p><b>Coin Mechanism is blocked or dirty</b></p> <ul style="list-style-type: none"> <li>- Remove Power and clean Acceptor</li> <li>- Replace Acceptor if necessary</li> </ul> <p><b>Coin Mechanism connection lead is disconnected</b></p> <p><b>The coin inserted is not valid coin accepted by acceptor</b></p> <p><b>The coin acceptor Inhibit function is incorrectly set</b></p>
<p>An inserted coin is accepted but gives no credit or incorrect credit</p>	<p><b>An incorrect coin value setting has been entered</b></p> <ul style="list-style-type: none"> <li>- Reset Coin Value setting</li> </ul>

	<p><b>HOW?</b></p> <ul style="list-style-type: none"> <li>- Press Red Service Button till <b>Cn.- -</b></li> <li>- Reset coin values</li> </ul> <p><b><i>The Machine entered a 'Loop' state</i></b></p> <ul style="list-style-type: none"> <li>- Reset Control Board by pressing Black Reset Button</li> </ul>
<b>The Display counts up credit or does not cancel a credit</b>	<p><b><i>Credit may have remained after a vend</i></b></p> <ul style="list-style-type: none"> <li>- Press Black [Reset] Button to Clear Credit</li> <li>- Confirm that proper Control Word has been set</li> </ul> <p><b><i>Coin Validator Connector inserted in-correctly</i></b></p> <ul style="list-style-type: none"> <li>- Check Connector</li> </ul>
<b>During price setting machine does not hold credit but returns to 2.- -</b>	<p><b><i>Machine set to test mode</i></b></p> <ul style="list-style-type: none"> <li>- Change control word</li> </ul>
<b>Credit cancels and/or escrow opens after a certain number of coins have been inserted</b>	<p><b><i>An incorrect coin count value has been set</i></b></p> <ul style="list-style-type: none"> <li>- Reset coin count value to a higher setting</li> </ul> <p><b><i>Machine assumes an escrow is present and overloaded with coins</i></b></p> <ul style="list-style-type: none"> <li>- Confirm that correct 'Control Word' is set for the machine</li> </ul>
<p><b>An incorrect set-up was performed and now the user is confused and frustrated</b></p> <p><b>I have tried all of the above. I still cannot get the machine to work as desired.</b></p>	<ul style="list-style-type: none"> <li>- Activate the default settings on the machine</li> </ul> <p><b><i>Press the red Service Button till AP - -</i></b></p> <ul style="list-style-type: none"> <li>- Hold down Button 2 till [set] appears</li> <li>- Press the Black Reset Button [out of order]</li> <li>- Activate the Test Sequence</li> <li>- Test Operation in test vend mode</li> </ul>

**Notes:**