



## \$250 Capacity ChangeMaker



# Operator's Manual

## **INTRODUCTION**

Congratulations on the purchase of your new ChangeMaker. This ChangeMaker 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 ChangeMaker 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.

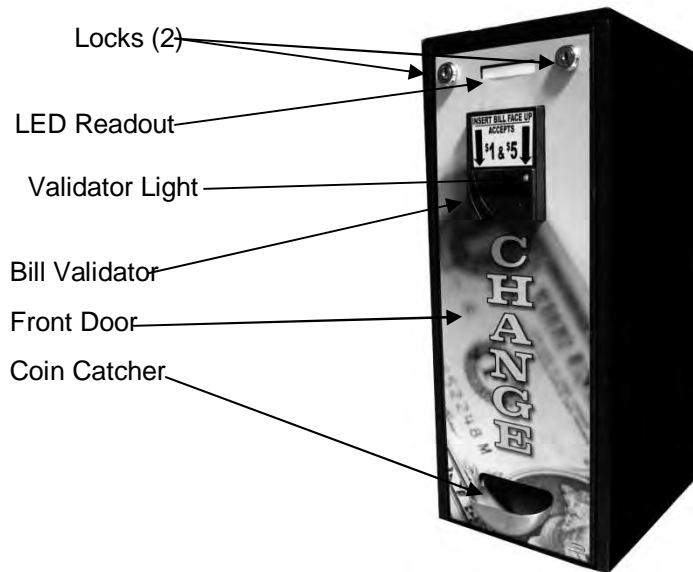
Once you have your vendor located, we suggest that you keep this manual for future reference, or you can view this manual online at [www.seagamfg.com](http://www.seagamfg.com). Should any problems occur, refer to the section entitled "COMMON QUESTIONS AND ANSWERS". It is designed to help you quickly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



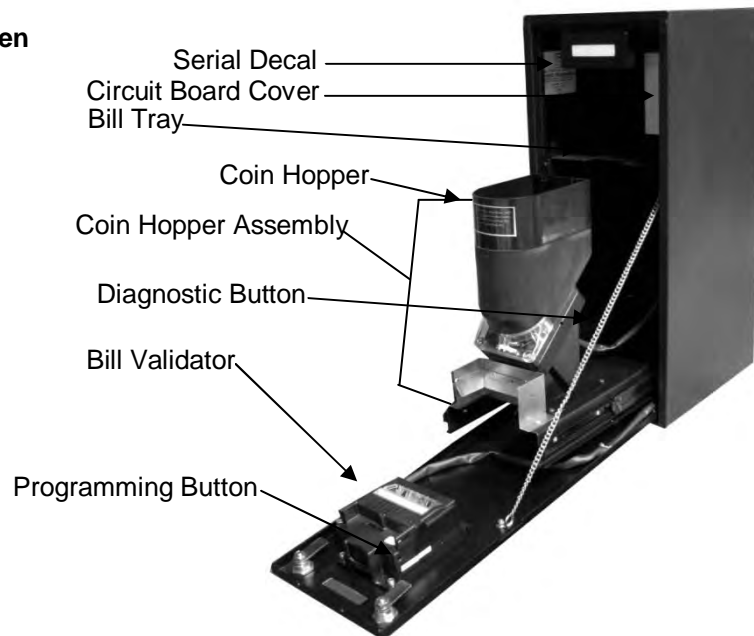
For Service and Customer Care:  
8:30 a.m. - 4:00 p.m. CST. Mon thru Fri  
815.297.9500 ext 160  
815.297.1758 Fax  
email: [customer care@seagamfg.com](mailto:customer care@seagamfg.com)

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

**Figure 1 - \$250 Capacity ChangeMaker**



**View with door open**



### **LOCKS**

Your ChangeMaker has two (2) Locks. To unlock the Front Door, turn left key counter-clockwise one-quarter turn and the right key clockwise one-quarter turn. The Front Panel will now swing open. A Chain attaches the Front Door to the Body for support.

### **MOUNTING**

The ChangeMaker has three (3) plugged holes in the left-hand side of the Case for optional mounting. A drill, a ¼" drill bit will be required along with sufficient hardware appropriate to your application and tools for this hardware. A mounting template for drilling holes is provided.

1. To Mount:

- a. Secure the template to the mounting surface once you have made sure that nothing will obstruct the drilling of holes or the placement of bolts.
- b. Drill holes. Discard Template.
- c. Unlock and open the Front Door.
- d. Pull Coin Hopper Assembly forward.

- e. Remove the three (3) Plugs by pushing them out from inside the Body.
- f. Attach the ChangeMaker to surface with hardware appropriate to your application.
- g. Slide Coin Hopper Assembly back in and reconnect cable.

### **SETTING SERVICE**

Your \$250 Capacity ChangeMaker is factory preset to validate \$1 and \$5 bills. Note: it is not necessary to program your ChangeMaker for \$1 and \$5 bills! You may also set your ChangeMaker to validate \$10 and \$20 as well. To change the setting of your Bill Validator, a programming card must be fed through the bill validator opening as you would a bill. This programming card has areas darkened that instruct the bill validator which bills to accept and how many coins to give per dollar. To obtain a programming card, contact Seaga Customer Care at 815-297-9500 or [customer care@seagamfg.com](mailto:customer care@seagamfg.com). This card may be photocopied but remember that it must remain the required size given. Do not reduce or enlarge.

To reprogram your ChangeMaker to accept \$1, \$5 and \$10 bills, cut out the programming card provided for this configuration on the dotted lines (another card adding \$20 bills to the configuration is also provided). Unlock and open the front door. The Programming Mode Button is recessed; you may need an object with a tip to press the button. Press the Programming Mode Button (Figure 2) ***quickly*** – ***DO NOT HOLD DOWN THE PROGRAMMING MODE BUTTON!*** The Bill Validator Light will then flash slowly. Insert the programming card face up, following the arrows and “Insert this end first” instruction. The card will cycle through the Bill Validator and return back to you.

**Figure 2 – Programming Mode Button**



Your ChangeMaker is now programmed. It is recommended that you perform a few tests with all denominations programmed to verify that the programming has been successful.

If the programming was not successful – Did you feed the correct card through? Was the card fed through the correct end first and face up? Did you remember to press the Programming Mode Button first? If you are not successful on your subsequent attempts, please contact Seaga Customer Care.

### **DELIVERY SYSTEM**

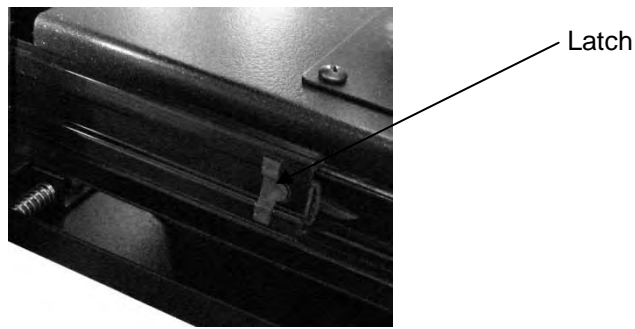
The ChangeMaker Delivery System consists of the Bill Validator and the Coin Hopper Assembly. The Coin Hopper Assembly is made up of the Coin Hopper, Base, Coin Plate, and the Drive Motor.

The Coin Hopper holds quarters in bulk, the Bill Validator accepts bills and cycles the Coin Plate dispensing the coins through the Coin Counter until the correct amount of coins are dispensed.

To Remove Coin Hopper Assembly:

- a. Unlock and open the Front Door. You will want the ChangeMaker to the edge of a counter if it is not mounted to a wall or vending machine; so the Front Door opens as far as possible.
- b. Slide the Coin Hopper Assembly forward until it stops. Press the latches, located on each side rail, up on the left and down on the right (Fig. 3) to release rails. Slide forward.
- c. Disconnect the cable from the Coin Hopper Assembly to the Circuit Board.

**Figure 3 – Rails**



### **LOADING CURRENCY**

***CAUTION: Turn off and unplug your ChangeMaker before loading or you could damage your hopper and void your warranty!***

The Coin Hopper holds your quarters (or tokens) in bulk. To load, pour quarters into the Coin Hopper until full. When full and ready to accept bills, the green light on the lower left front of the Coin Hopper is lit and the LED Display shows "Insert Bill".

### **CAPACITY**

Your ChangeMaker has a change capacity of \$250.

### **BILL RETRIEVAL**

Accepted bills are stored in the Bill Tray over the hopper assembly. The bill tray can be removed by sliding it forward. Be aware that bills will land in different positions and may pile up. You will want to be familiar with your location and service the machine to remove bills before they create jams.

### **LED MESSAGES**

The "NO COINS" message will be displayed when there are approximately 20 quarters or less in the Coin Hopper. If your Coin Hopper has plenty of quarters and the No Coins message is displayed, unplug the ChangeMaker for about one (1) minute to reset.

Your ChangeMaker also shows messages when dispensing coins, for example, \$1 = 4 Qtrs when changing a \$1 bill. When in full operational mode and ready to make change, the message displayed is "Insert Bill".

### **CLEANING**

The Coin Hopper may need to be cleaned periodically. To clean, you may either blow out the hopper with canned air, which can be found in office and computer supply stores or remove the hopper assembly and shaking any dust or debris out. Do not use liquids or chemicals on the Coin Hopper or on any part of the Bill Validator!

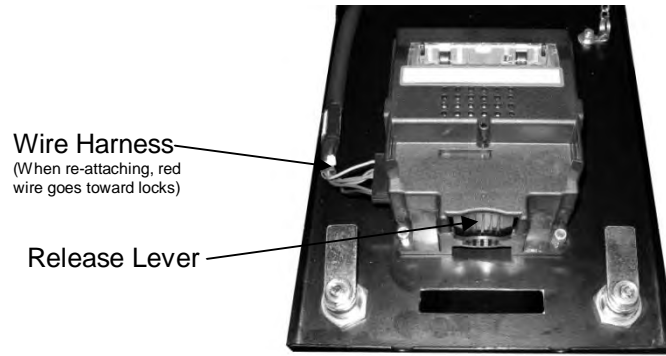
### **REMOVING THE BILL VALIDATOR**

In the event that you need to replace your Bill Validator, your ChangeMaker is designed for easy replacement.

To Remove the Bill Validator.

- a. Unplug the ChangeMaker.
- b. Unlock and open the Front Door.
- c. Unplug the Wire Harness from the left side of the Bill Validator (Fig. 4)
- d. Press the Release Lever on the Bill Validator and lift it toward the Coin Hopper
- e. Slide the Bill Validator up to remove

**Figure 4 – Removing the Bill Validator**



**CLEARING JAMS**

Coins may become jammed in the Coin Hopper for many reasons, dirt, debris, deformed coins, etc. You will first need to remove all the coins you can from the hopper. While there is a neater way to empty the hopper, in the case of a jammed or deformed coin, you will need to remove the hopper assembly and turn it upside down to dump out the coins.

To remove a jammed bill, open the Bill Validator per “Removing The Bill Validator” instructions in this manual and remove the jam.

**DIAGNOSTIC BUTTON**

Located in the rear base of the Coin Hopper (Fig. 5), the Diagnostic button is useful for taking an inventory of coins, cleaning and testing or moving the ChangeMaker.

Pressing and releasing the Diagnostic Button for one second or less will dispense 10 coins and is useful for testing the machine. Pressing the Diagnostic Button for 3 seconds then releasing will empty the Coin Hopper completely, which enables you to clean or move the machine.

The Hopper Assembly is equipped with an electronic controller which will reverse the coin wheel and make certain all coins have been removed. You will hear the wheel reverse 3 to 4 times with pauses between after the hopper is empty. This is the controller making certain all coins are removed.

**Figure 5 – Diagnostic Button**



**GENERAL**

It is suggested that a toolbox accompany you to each of your locations. Suggested items for this toolbox would include a socket set, (up to a 1/2" socket size suggested) a wrench or pliers, a Phillips and a Standard screwdriver. Additional items would be a soft rag and perhaps a Black Magic marker. The magic marker is useful in touching up light scratches that may occur to your vendor.

### **COMMON QUESTIONS AND ANSWERS**

- Q: The Validator Lights is not green  
A: Check the power source.  
Unplug the ChangeMaker, then wait one (1) minute and plug in. (This action will "reset" the ChangeMaker.)  
The bill validator will make a brief noise indicating it is running after reset.  
Check the Wire Harness to make sure it is plugged in to the Bill Validator.  
Check the level of coins in the Coin Hopper.  
Check for jammed coin or bill. (See Clearing Jams)  
Check the Wire Harness plug that connects the Coin Hopper.
- Q: How do I remove a jammed bill?  
A: Open the Bill Validator (see Removing The Bill Validator) and remove the jam.
- Q: Bill will not feed into, or is not accepted by the Bill Validator.  
A: Make sure that the bill is not soiled, damaged or defaced.  
Check for a jammed bill (See Clearing Jams)  
Clean the Bill Validator.  
If green lights is off, unit may be low on coins.
- Q: My ChangeMaker is dispensing the wrong amount of coins.  
A: Make sure that the coins are not damaged, obstructed or stuck together.  
Check to make sure your settings are correct, see Setting Service
- Q: Validator runs constantly.  
A: Contact Seaga Customer Care.

## 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.

Repair or replacement of proven defective parts is limited to manufacturing defects demonstrated under normal use and service during warranty period. Prior to returning any parts with transportation charges prepaid for replacement, the customer is to contact Seaga's Customer Care Department at 815.297.9500 and be assigned an RA number. Seaga will refuse any collect shipment. To obtain an RA number, contact Seaga with complete information including the serial number(s), date of purchase and description of the part and/or suspected defect to:



Seaga Manufacturing, Inc.  
700 Seaga Drive  
Freeport IL 61032

We may also be contacted, with complete information, as follows:

phone: 815.297.9500

fax: 815.297.1700

email: [customercare@seagamfg.com](mailto:customercare@seagamfg.com)

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 remanufactured 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.

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, neglecting to de-scale and sanitize on a regular basis, 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, refrigerant, glass, paint, decals, fuses, filters or hygiene replacement parts, 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 [seagamfg.com](http://seagamfg.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 IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, TO INCLUDE, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AS TO THE UNIT AND ACCESSORIES. UNDER NO CIRCUMSTANCES SHALL SEAGA BEAR RESPONSIBILITY FOR ANY INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL LOSSES OR EXPENSES. 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.**

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