

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 this 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 purchaser, be demonstrated to be defective. The original purchaser may obtain repair or replacement of the equipment under this 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 other warranties, expressed or implied, including the warranty of merchantability and fitness or 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.

Effective 9/01



\$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 troubleshooting guide.

EQUIPMENT INSPECTION

After you have received your ChangeMaker it is important to immediately inspect the unit for any damage caused by shipping. **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.

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. 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 Technical Support Service & Parts

Contact our Customer Care Dept.

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



Seaga

700 Seaga Drive

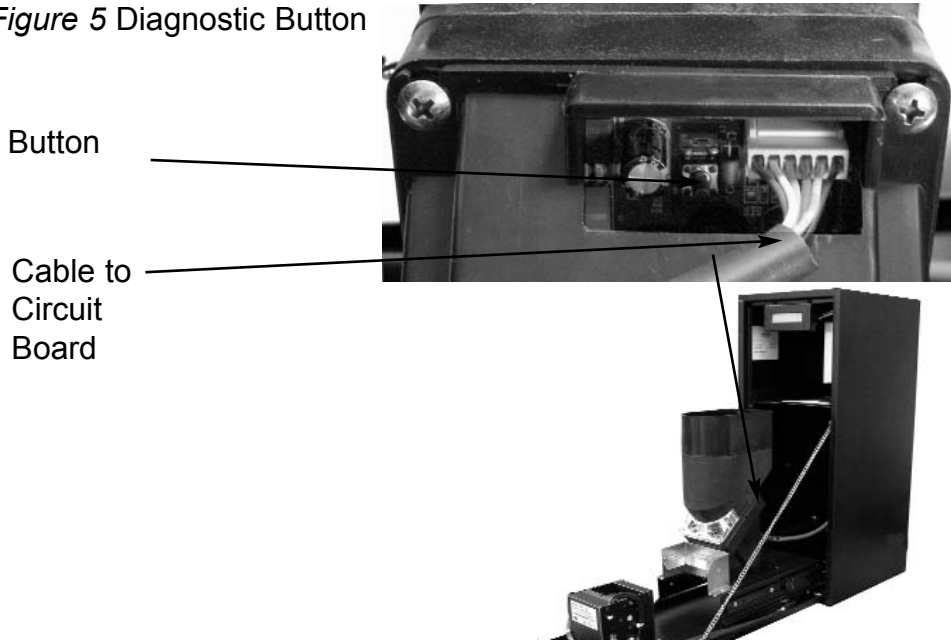
Freeport, IL 61032 U.S.A.

Online: www.seagamfg.com

COMMON QUESTIONS AND ANSWERS

- Q: The Validator Lights do not light
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.
- Q: The Validator Lights flash.
A: 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 Cleaning) 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 are flashing, 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: The Validator or possibly the Circuit Board is bad. Contact Customer Service.

Figure 5 Diagnostic Button

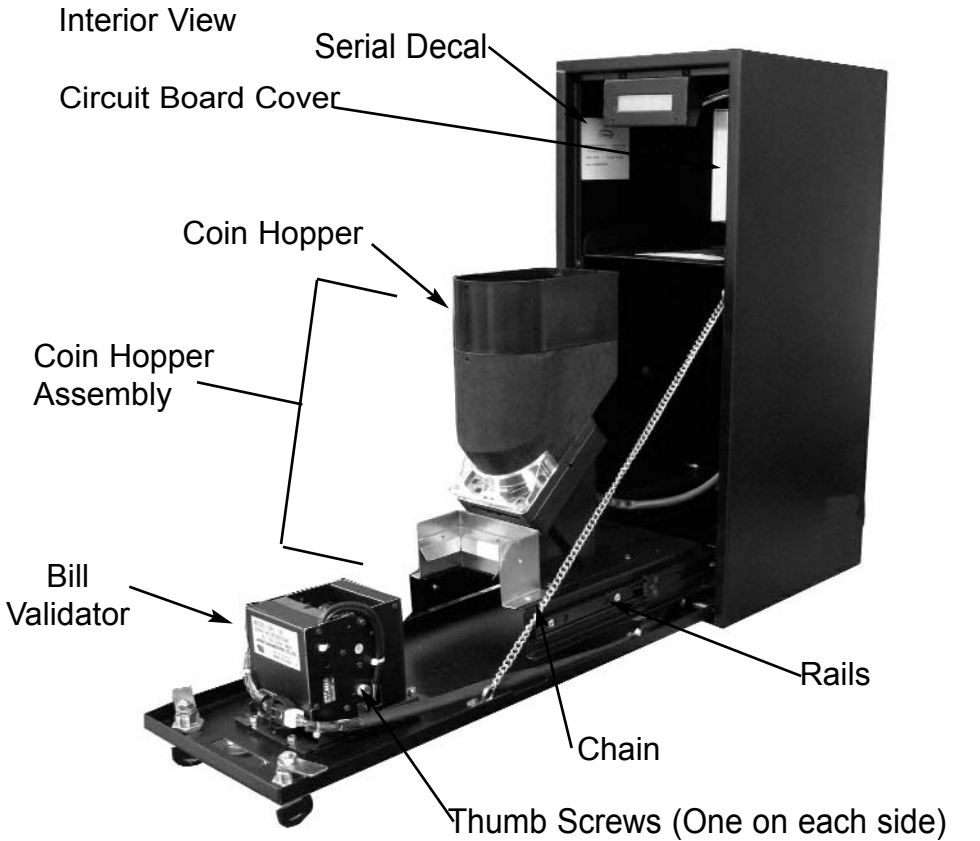
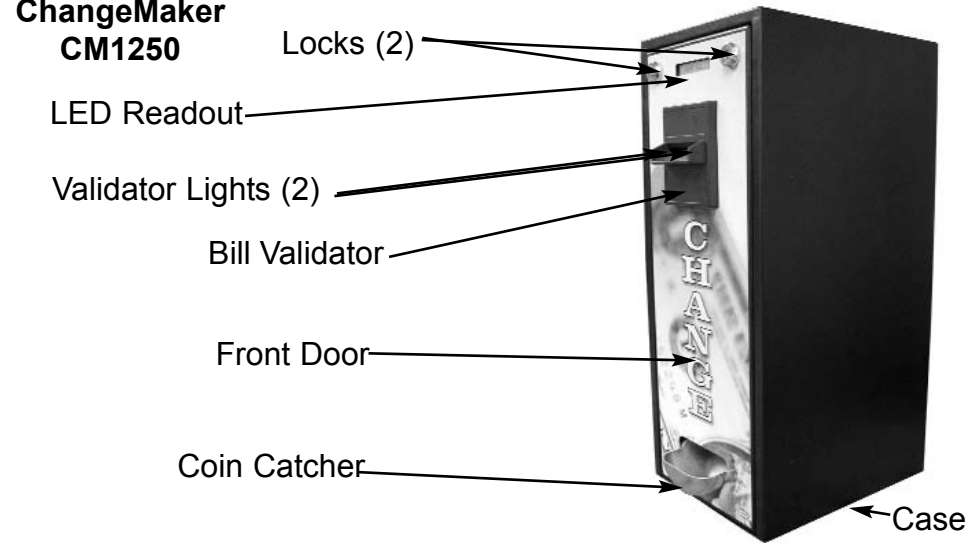


will reverse the coin wheel and make certain all coins have been removed. You will hear the wheel reverse 3 to 4 times with pauses between after the hopper is empty. This is the controller making certain all coins are removed.

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.

**ChangeMaker
CM1250**



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 1/4" 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:

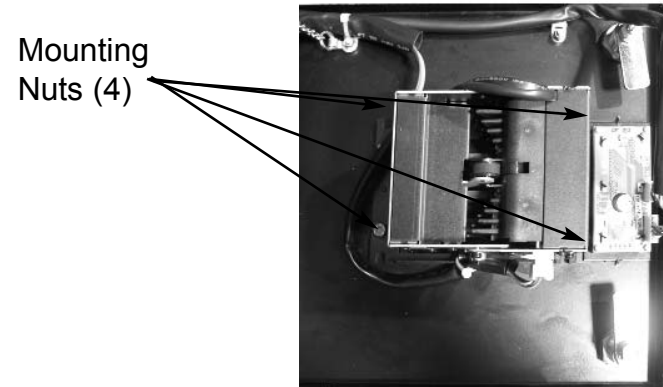
- A.) Secure the template to the mounting surface once you have made sure that nothing will obstruct the drilling of holes or the placement of bolts.
- B.) Drill holes. Discard Template.
- C.) Unlock and open the Front Door.
- D.) Pull Coin Hopper Assembly forward.
- E.) Remove the three (3) Plugs by 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 ChangeMaker is factory preset to validate \$1 and \$5 bills. Inside the Front Door, on the right hand side of the Bill Validator, you will find the Setting Switches. The Setting Switches are factory preset with #1, #2 and #3 up. Your ChangeMaker may dispense tokens as long as they are close to the size of a quarter. No changes are needed for your ChangeMaker to return tokens to your customers. You also have the ability to return more than 4 tokens to your customer per dollar. The following diagram illustrates how to make these adjustments.

- D.) Remove the four (4) Mounting Nuts (Fig. 4) that secure the Bill Validator to the inside of the Front Door.
- E.) Remove Bill Validator and replace. Repeat the above steps in reverse order to reassemble.

Figure 4 Bill Validator Removal



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 "Cleaning" instructions in this manual and remove the jam.

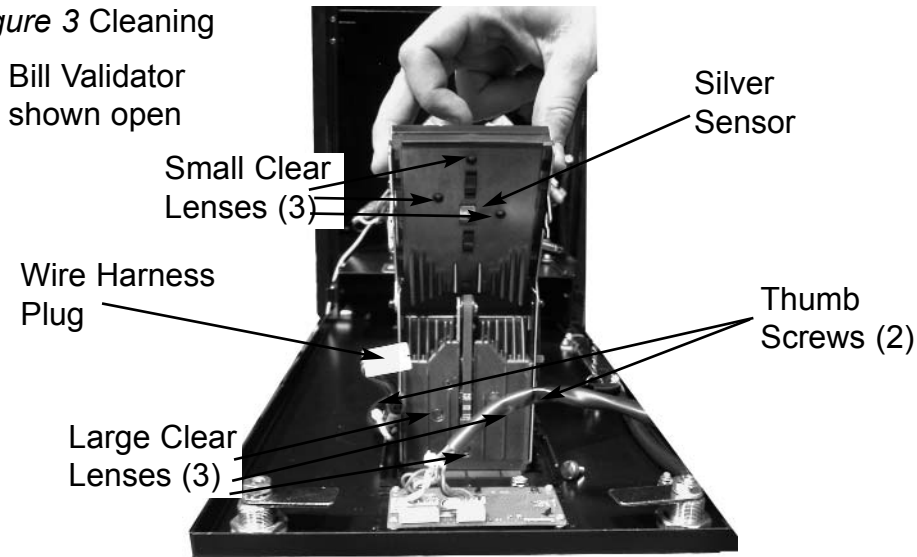
DIAGNOSTIC BUTTON

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

Figure 3 Cleaning



3. Washing the Lower Housing is recommended at least once per year. You will need a mild soap and water solution and a cloth.

- A.) Perform steps A-E as described above.
- B.) Moisten the cloth. You will want the cloth moist, but not dripping.
- C.) Wipe down the inside of the Bill Validator thoroughly, and reassemble.

4. 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.

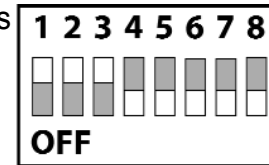
REMOVING THE BILL VALIDATOR

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

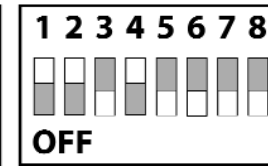
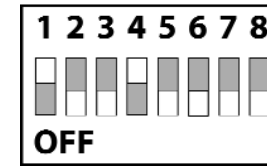
- 1. To Remove the Bill Validator.
 - A.) Unplug the ChangeMaker.
 - B.) Unlock and open the Front Door.
 - C.) Unplug the Wiring harness from the left side of the Bill Validator.

Note: To set your ChangeMaker to accept only \$1 bills and not \$5 bills, turn the #7 switch on.

Figure 1 Setting Switches

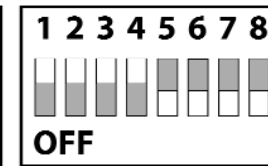
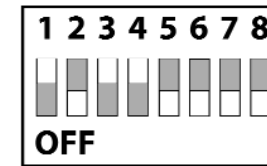


Factory Preset \$1 and \$5, 4 coins per \$
Switches 1, 2, & 3 up (on)



Optional setting: 5 coins per \$
Switches 1 & 4 up (on)

Optional setting: 8 coins per \$
Switches 1, 2 & 4 up (on)



Optional setting: 10 coins per \$
Switches 1, 3, & 4 up (on)

Optional setting: 20 coins per \$
Switches 1, 2, 3, & 4 up (on)

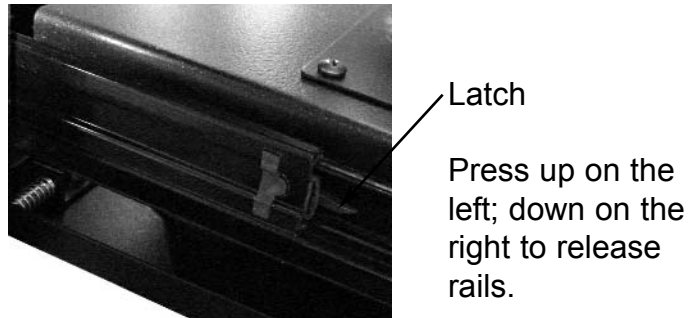
DELIVERY SYSTEM

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.

- 1. 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. 2) to release rails. Slide forward.
- C.) Disconnect the cable from the Coin Hopper Assembly to the Circuit Board.

Figure 2 Rails



LOADING CURRENCY

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 and cause jams. You will want to know your location and remove bills before they create any issues.

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

It is recommended that you clean your Bill Validator monthly to keep it in proper working order. In high traffic, or locations that are excessively dusty or dirty, you may need to clean your Bill Validator more often. Cleaning the Bill Validator can correct problems with service. There are three (3) levels to the cleaning process. Cleaning with a cleaning card, cleaning the Optics, and washing the Lower Housing.

1. Cleaning with a Cleaning Card, will perform a basic clean. The vendor does not need to be opened. Seaga Manufacturing recommends KIC Team cards that can be obtained online at www.kicteam.com or by calling 1-207-514-7030.

A.) Insert the cleaning card in the same manner you would a regular dollar bill. The card will be rejected.

2. Cleaning the Optics is the second level of cleaning. You will need cotton swabs (Q-tips), and a mild soap and water solution.

A.) Unplug the ChangeMaker.

B.) Unlock and open the Front Door.

C.) Unplug the wire harness from the left side of the Bill Validator.

D.) Loosen the two (2) Thumb Screws on either side of the Bill Validator. You may need a standard screwdriver, or pliers.

Note: The Thumb Screws have a collar below the head, so they will need to be loosened past the collar.

E.) Tilt open the Bill Validator.

F.) There are three (3) large clear lenses on the Lower Housing and three (3) small clear lenses and a silver Sensor on the Upper Housing. Swab the lenses and the Sensor with the solution and reassemble.