

Hamilton Manufacturing Corp.

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Operational Manual for the Token Vendor

ABOUT THIS MANUAL

This manual was designed to introduce the Token Vendor and to provide instructions on how to install the machines. This manual will enable the operator to program payouts in the Autocashier.

If further assistance is needed, please call the manufacturer at (800) 837-5561 or (419) 867-4858.

When calling for assistance it is very important to have the serial numbers readily available. Please record these numbers in the spaces provided.

TOKEN VENDOR SERIAL # _____

HOPPER SERIAL # _____

KEY / LOCK # _____

Please complete the warranty card, which was included with your machine, and return it to the manufacturer.

TABLE OF CONTENTS

I. INTRODUCTION	4
II. SPECIFICATIONS	5
III. INSTALLATION	6
Unpacking	7
BASE	8
SITE	8
Token Vendor	9
ACW G/L Retrofit	11
IV. VERSION REQUIREMENTS FOR GL-ACW	12
V. BACKUP	13
VI. CHIP REPLACEMENT IN THE GL-ACW	15
Removal	15
Installation	15
VII. RESTORE	16
VIII PROGRAMMING	18
IX OPERATION	19

I. INTRODUCTION

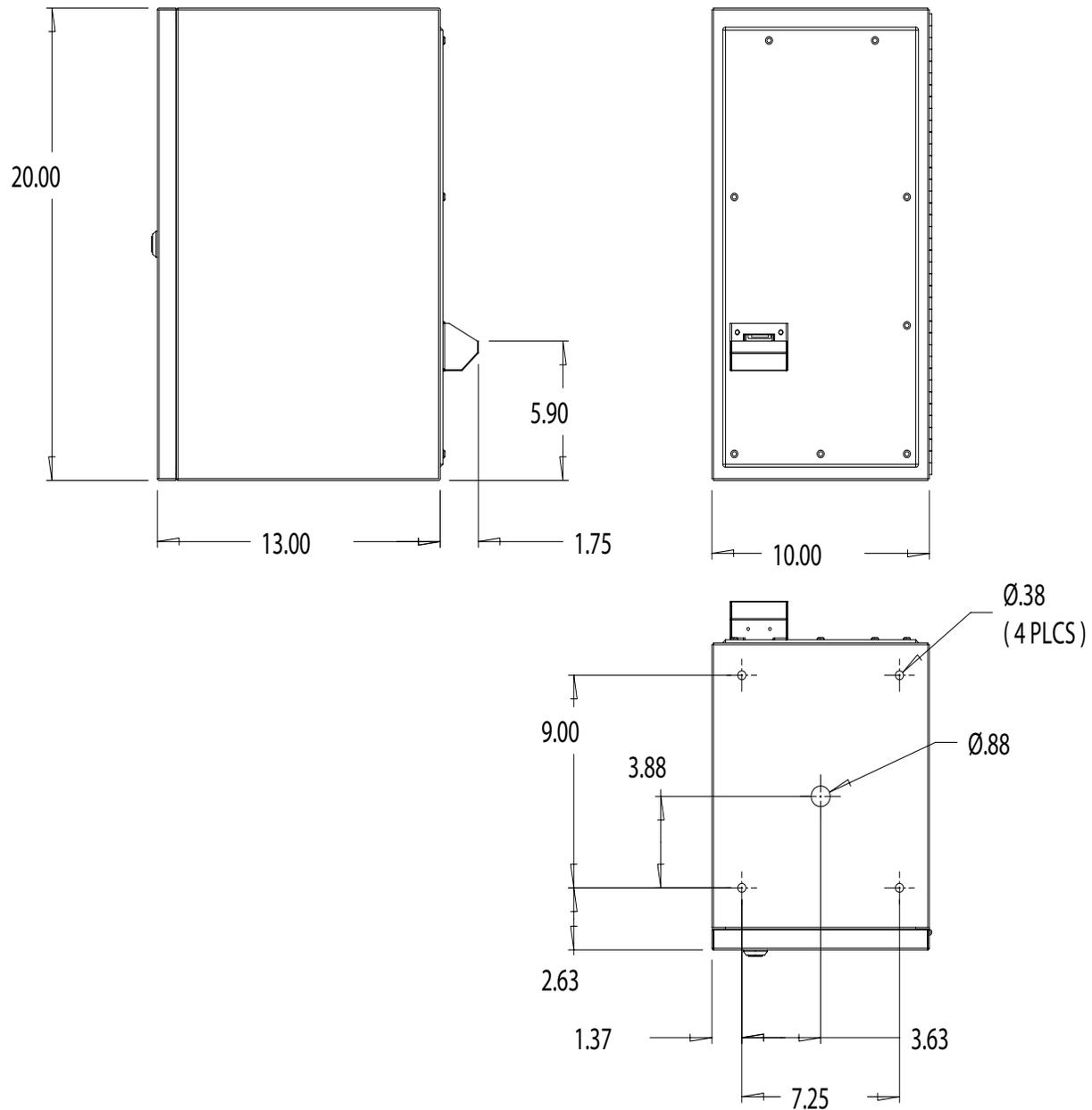
The Hamilton Token Vendor is a compact unit, designed to work with the ACW G/L, to dispense a token or multiple tokens when a selection is made. The unit can hold approximately 1200 quarter size tokens.

WARNING – *If the Autocashier is programmed to dispense promotional tokens and the Token Dispenser and its interface harness are not properly installed the machine will dispense coins from the change hopper instead of tokens. If you wish to disconnect the Token Dispenser for any length of time be sure to program each wash to dispense zero (0) tokens.*

II. SPECIFICATIONS

The Hamilton Token Vendor is intended to be wired through conduit to the ACW G/L. The machine operates on 120Vac supplied by the Gold Line distribution panel (#5).

CABINET DIMENSIONS:



III. INSTALLATION

When Installing the Hamilton Token Vendor you will need to run 6 wires from to the ACW G/L to the Hamilton Token Vendor, rated at least 18 Gage.

Recommended wire colors are:

Black - Hot

White - Neutral

Green - Ground

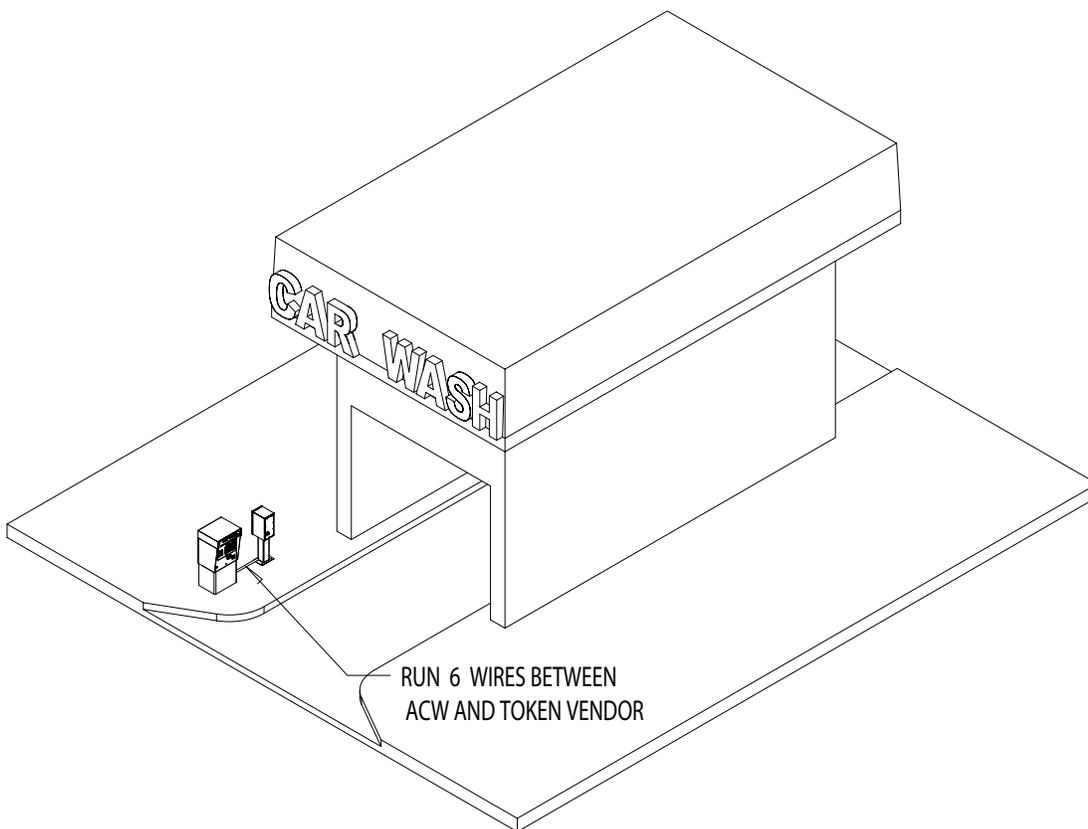
Red - Hopper

Red/White - Drop

Purple - Hopper Return

It is also recommended that they are run using conduit.

Consult local codes before installing.



Unpacking

There are a number of points to keep in mind while unpacking your Hamilton Token Vendor. These items will make the installation and continued operation of your machine run smoother. These tips are listed below.

Be sure to save your key

The key is placed inside a small cloth bag and attached to the outside of the machine. When removing the shrink-wrap, be sure to locate the bag containing the key and set it aside so it does not get thrown away.

NOTE: MAKE A PERMANENT RECORD OF THE NUMBER ON YOUR KEY IN CASE KEY IS LOST AND MUST BE REORDERED.

Remove the packing strap from the hopper

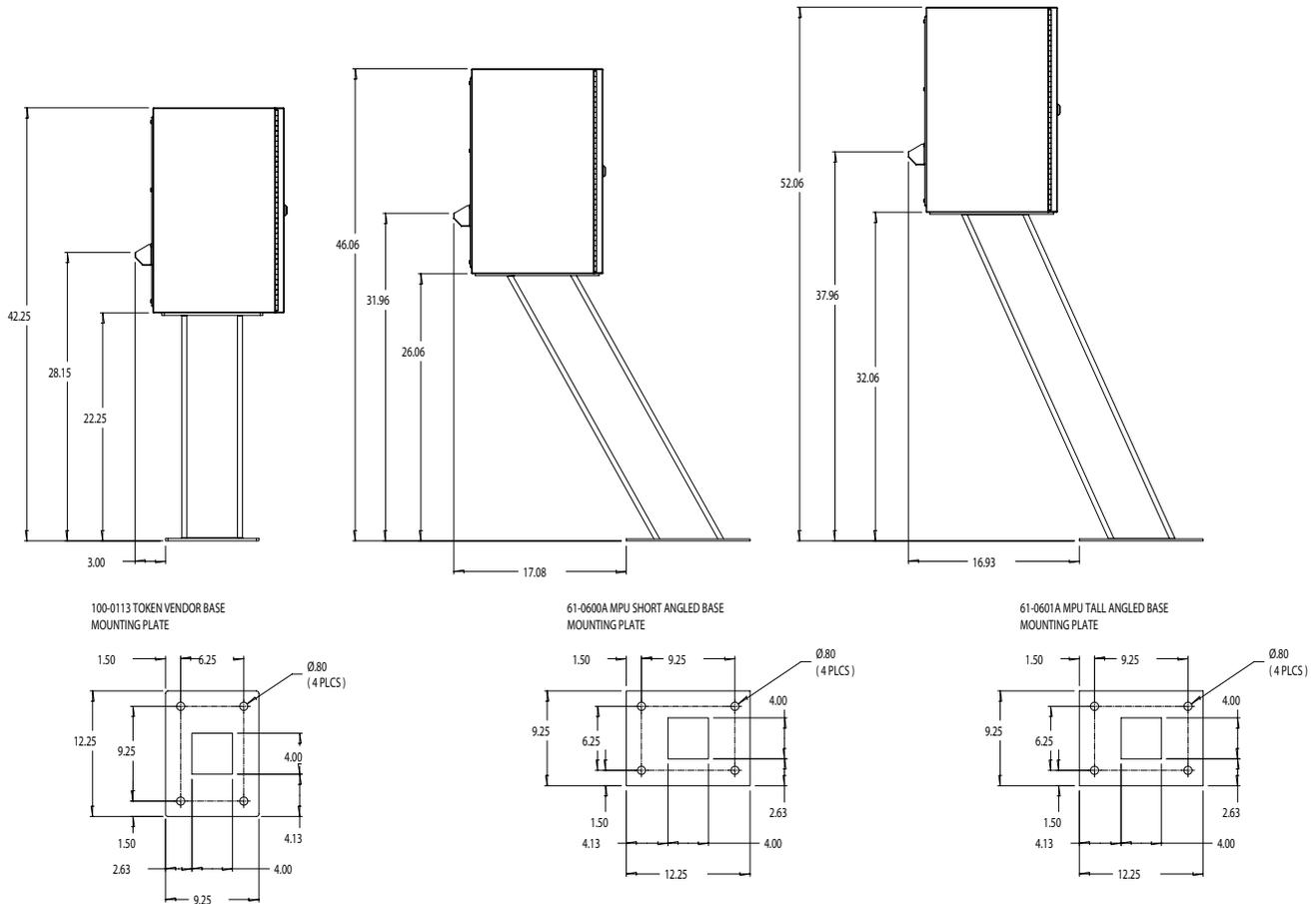
The hopper comes shipped with a packing strap secured around it to minimize the vibrations caused by shipping. If this strap is not removed, the hopper will not tip out for easy filling. The strap may be cut off with a pair of wire cutters or sturdy scissors. Cardboard is placed around the edges of the hopper to protect it during shipping. If strapping will not pull out from beneath hopper plate then loosen the 3 #1/4 nuts holding plate and try again. Once strapping is out, tighten the 3 #1/4 nuts. Then be sure to remove the cardboard as well.

Remove all packing debris from hopper

During unpacking, ensure that debris does not fall into hopper bowl. If this material is not removed, the hopper could jam. With the power completely disconnected, remove all loose material inside the hopper bowl.

BASE

When installing the base it is important to pick the correct base for the location. Use the picture below to decide on best base for your location.



SITE

To prepare the site, Hamilton recommends the placing of four anchoring bolts into the concrete with the threads extending at least 1 1/4" above the surface. Use the previous diagrams to determine the placement of the bolts. Please follow all applicable local codes.

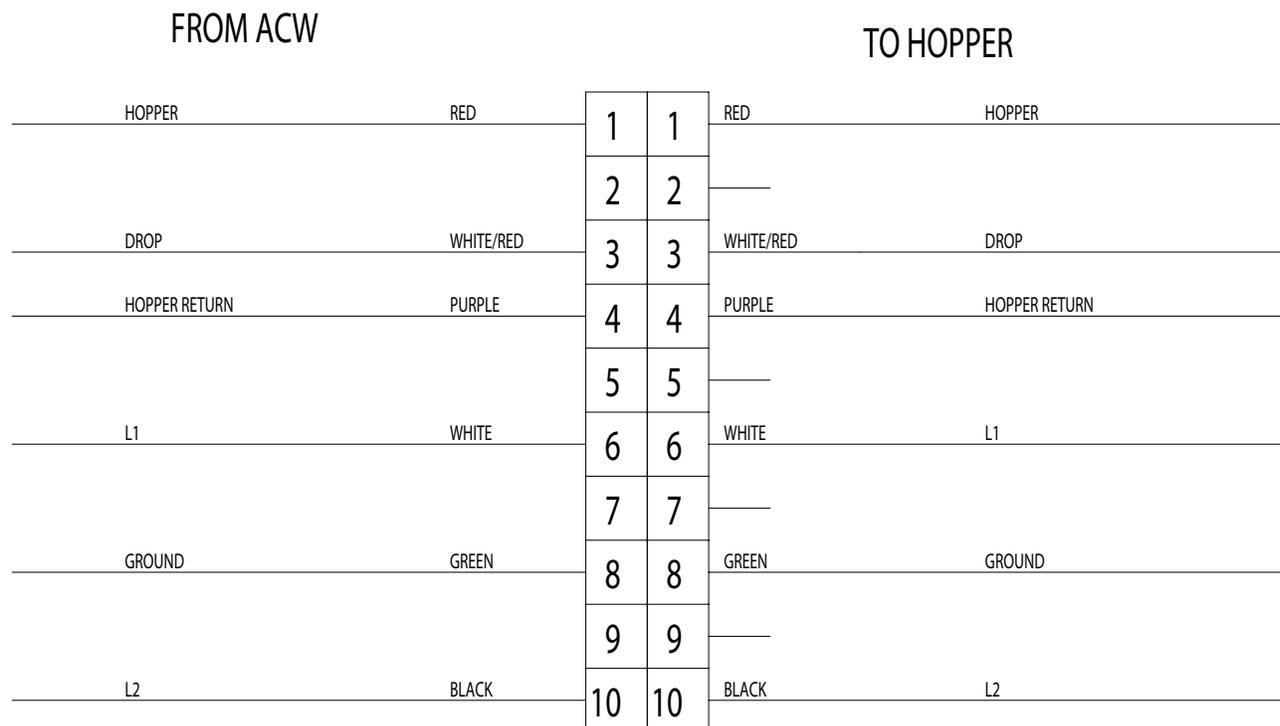
It is also recommended that the wiring be run through the concrete and up through the center of the base, using flexible conduit.

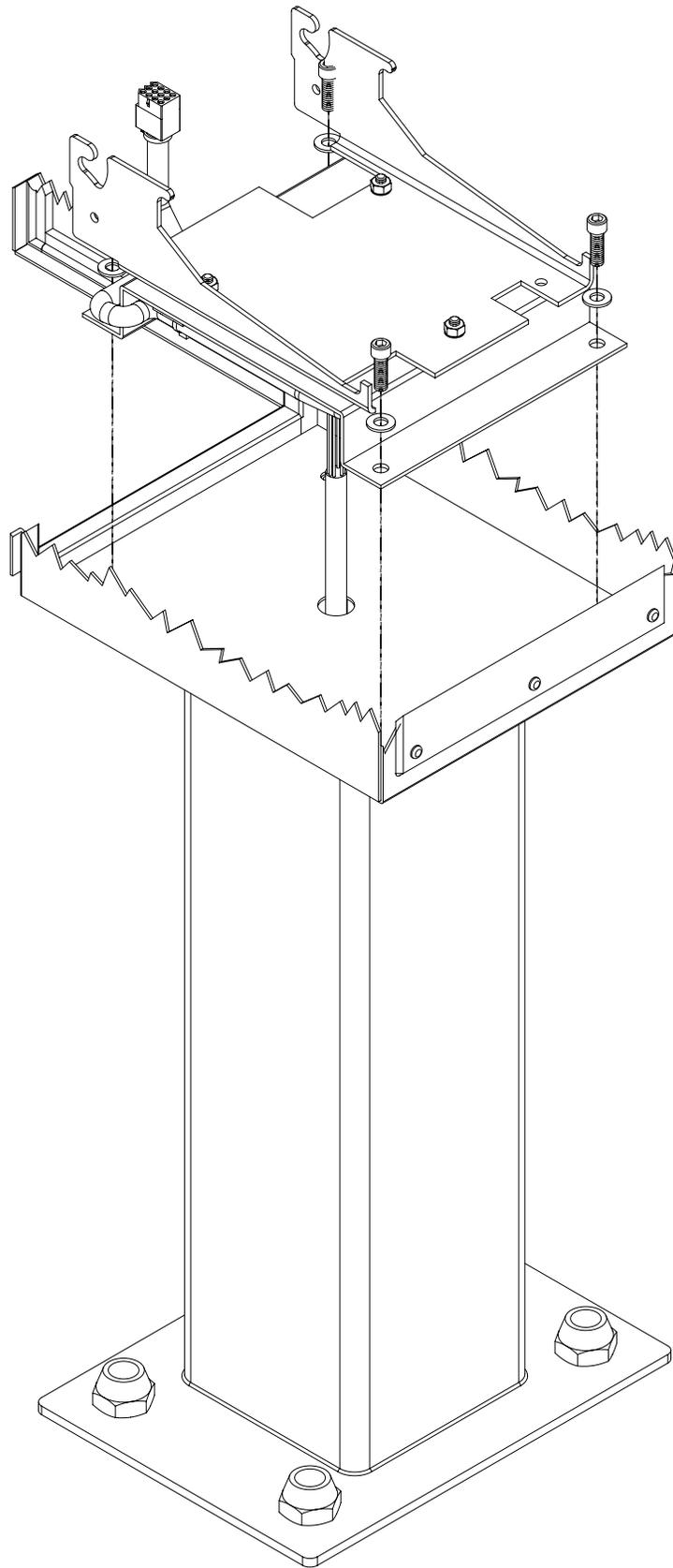
Token Vendor

Installation

1. Make sure there is no power in the six wires run to the Hamilton Token Vendor.
 2. Open up cabinet and unplug and remove hopper and set aside.
 3. Using a Phillips head screwdriver, and a 7/16" socket wrench remove four #1/4-20 nuts lockwashers and screws, (these #1/4 nuts, lockwashers and screws are used for shipping purposes only) this will allow you to remove the hopper plate.
 4. Place cabinet on base and run wires up through conduit hole in bottom of cabinet.
 5. Connect wires to Dual Terminal strip as shown on diagram.(page 9)
- Note: For proper wire connections consult a certified electrician.**
6. Place hopper plate back in position and tighten to base using four # 5/16-18 screws, with 1/4" hex key. (page 10)
 7. Replace hopper in machine and plug in the hopper.

TERMINAL STRIP





ACW G/L Retrofit

Upgrade the Gold Line to run Hamilton Token Vendor.

1. Turn off power to machine at source.
2. Remove the two #8/32 hex nuts holding the Distribution pan cover and cover channel on.
3. Remove the two #8/32 hex nuts and coupling nut (depending on when machine was produced it may be a mounting stud) holding the Relay pan cover with High Voltage Sticker on it.
4. Remove the two mounting studs or coupling nuts holding the relay pan . One is at the top of the relay panel and the other is located at the bottom. Lay relay panel in bottom of machine.
5. Disconnect the hopper harness from position # 5 on distribution board.
6. Plug Hamilton Token Vendor ACW G/L harness (48-3187) into position # 5 on distribution board.
7. Plug Original harness into connector on Hamilton Token Vendor ACW G/L harness.
8. Run both the Hamilton Token Vendor harness and original harness down the channel on right side of relay pan.
9. Reattach relay pan to cabinet by reusing the mounting hardware. (Note: making sure you do not pinch any of the wires.)
10. Connect the wires with the spade terminals to relay pan terminals
Orange wire to position B3
Red wire to position B4
Orange/white to position B5
Note: If you are currently using these terminal for another application, you will not be able to use it. Those terminals will be dedicated for the Hamilton Token Vendor only.
11. Connect wires from ACW G/L to the Hamilton Token Vendor connecting wires as color coded. (Red to Red, Purple to Purple ...)
Note: For proper wire connections consult a certified electrician.
12. Replace the Distribution pan and channel cover on the relay pan covering wire connections by reusing the mounting hardware.
13. Replace Distribution pan cover by reusing mounting hardware.

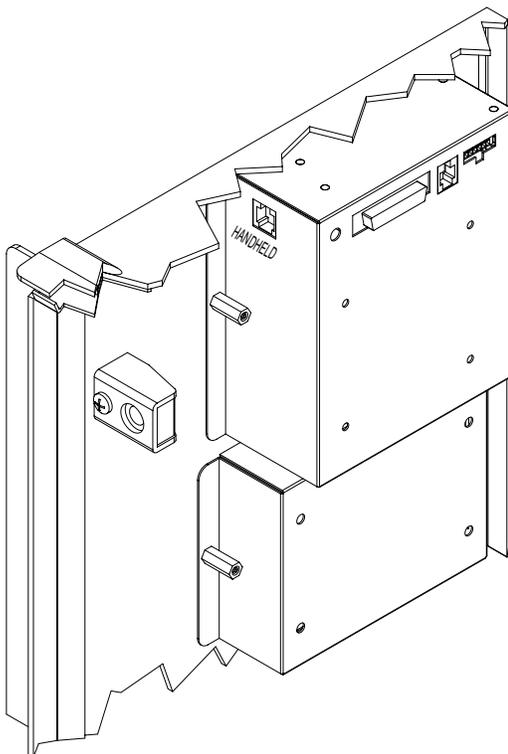
IV. Version Requirements for GL-ACW

You will need to install the program provided for the controller, first perform a backup (refer to the Backup section of this manual).

The controller must be a version 2.0 or higher to perform a backup and restore. If it is less than a v2.0, you will have to reprogram the controller manually using the buttons on the door (Refer to the Gold Line ACW Manual).

The version of the EIC must be at least a v2.0 or higher to be able to perform a backup and restore. If it is less than a v2.0, you will have to reprogram the controller manually using the buttons on the door (Refer to the Gold Line ACW Manual).

Note: A backup to the EIC will only backup the configuration of the controller.



V. Backup

The following steps will guide you through performing a backup to the EIC. First power down the machine and connect the hand-held and cable into the EIC. Once your hand-held is connected turn power back on, the following will be displayed on the screen:

Note: If you plug the handheld and cable in the EIC while the machine is now then press the “ESC” key on the handheld and the following will be displayed as well.

EIC V X.XX
COMPANY NAME
SERIAL #: XXXXXX
12:59 06/01/2004

- Next screen displays:

F1 REPORTS
F2 CREDIT MENU
F3 SETUP
LAST POSTED

- Press F3 for Setup.

- Next screen displays:

F1 SET TIME/DATE
F2 CONFIG AUTO POST
F3 SET PHONE #'S
<-- PRV F4 EXIT NXT -->

- Press <-- PRV

- Next screen displays:

F1 CONTROLLER BACKUP

<-- PRV F4 EXIT NXT -->

- Press F1.

- Next screen displays:

F1 BACKUP
F2 RESTORE
F4 EXIT

- Press F1 for Backup.
- Next screen displays:

***OVERWRITE CURRENT
BACKUP FILE Y/N?***

- Press Y.
- Next screen displays:

***OVERWRITE CURRENT
BACKUP FILE Y/N?
PLEASE WAIT
1***

Note: A number will appear beneath “Please Wait” and will start counting up until it is finished. **You must be in normal operation mode of the controller for this to work. It will not work if in programming mode.**

- Once complete, the next screen displays:

***F1 BACKUP
F2 RESTORE
F4 EXIT***

- Press F4 for Exit.
- Next screen displays:

***F1 CONTROLLER BACKUP

<-- PRV F4 EXIT NXT -->***

- Press F4.
- Next screen displays:

***F1 REPORTS
F2 CREDIT MENU
F3 SETUP
LAST POSTED***

At this point turn the off power to the machine and unplug the hand-held from the EIC. Wait about 10 seconds and turn power back on.

Once the backup is complete, the next step will be to remove the chip from the controller if necessary (see Chip Replacement in the GL-ACW section of this manual).

VI. Chip Replacement in the GL-ACW

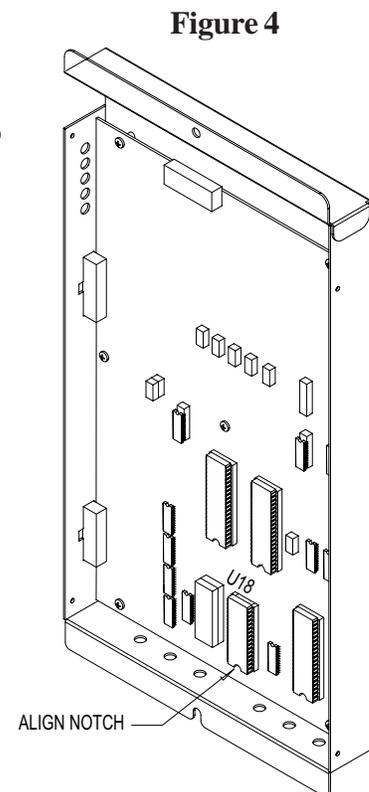
CAUTION! BEFORE REMOVING the chip be sure to print out an Audit Report and a Configuration Report. When the chip is pulled, you WILL LOSE all of your audit data. In some of the older versions of Gold Lines that will be just one report.

Removal

1. Turn power off to the machine.
2. Remove the validator and stacker from the machine to gain access to the controller.
3. Remove the mounting stud or coupling nut from the top of the controller
4. Loosen the bottom mounting stud or coupling nut. (You do not have to remove this because the controller will slide right out.)
5. Next unplug the harnesses from the controller so you can remove the controller from the machine. If the controller has a cover on it, the screws holding it must be removed to locate the chip. (The newer Gold Line Autocashiers will not have this cover on the controller)
6. The chip is located in position U18 on the board (See Figure 4). To remove the chip it is recommended that you have an EPROM remover to extract the chip.

Installation

1. Once the chip is removed, install the chip provided in the kit. PLEASE note that the notch on the chip must be aligned with the notch on the board. Putting the chip in wrong will cause damage to the chip. (See Figure 4)
2. If you had a cover on the controller then you must reinstall the cover.
3. Attach the harnesses to the controller and then remount the controller to the cabinet using the mounting stud or coupling nut.
4. Reinstall your validator and stacker and turn on power.
5. The controller will initially display "Clear Memory?". In a few seconds, the screen will change to read "All Memory Cleared." A few seconds after that it will change to the Welcome Prompt.
6. Once that is done, your controller is now back to factory settings. If you were able to do the backup to the EIC the next step will be to restore your information. If you could not backup your information you will need to input it using the controller and buttons on the door.



VII. Restore

The following steps will guide you through performing a restore to the EIC. First power down the machine and connect the hand-held and cable into the EIC. Once your hand-held is connected turn power back on, the following will be displayed on the screen:

Note: If you plug the handheld and cable in the EIC while the machine is now then press the “ESC” key on the handheld and the following will be displayed as well.

EIC V X.XX
COMPANY NAME
SERIAL #: XXXXXX
2:59 06/01/2004

- Next screen displays:

F1 REPORTS
F2 CREDIT MENU
F3 SETUP
LAST POSTED

- Press F3 for Setup.
- Next screen displays:

F1 SET TIME/DATE
F2 CONFIG AUTO POST
F3 SET PHONE #'S
<-- PRV F4 EXIT NXT -->

- Press <-- PRV
- Next screen displays:

F1 CONTROLLER BACKUP

<-- PRV F4 EXIT NXT -->

- Press F2.
- Next screen displays:

F1 BACKUP
F2 RESTORE
F4 EXIT

- Press F2 for Restore.
- Next screen displays:

***RESTORE BACKUP FILE
TO CONTROLLER Y/N?***

- Press Y.
- Next screen displays:

***RESTORE BACKUP FILE
TO CONTROLLER Y/N?
PLEASE WAIT
1***

Note: A number will appear beneath “Please Wait” and will start counting up until it is finished. **You must be in normal operation of the controller for this to work. It will not work if in programming mode.**

- Once complete, the next screen displays:

***F1 BACKUP
F2 RESTORE
F4 EXIT***

- Press F4 for Exit.
- Next screen displays:

***F1 CONTROLLER BACKUP

<-- PRV F4 EXIT NXT -->***

- Press F4.
- Next screen displays:

***F1 REPORTS
F2 CREDIT MENU
F3 SETUP
LAST POSTED***

At this point unplug the hand-held from the EIC. Be sure to print a configuration report and compare it to the original printout prior to the controller update.

VIII Programming

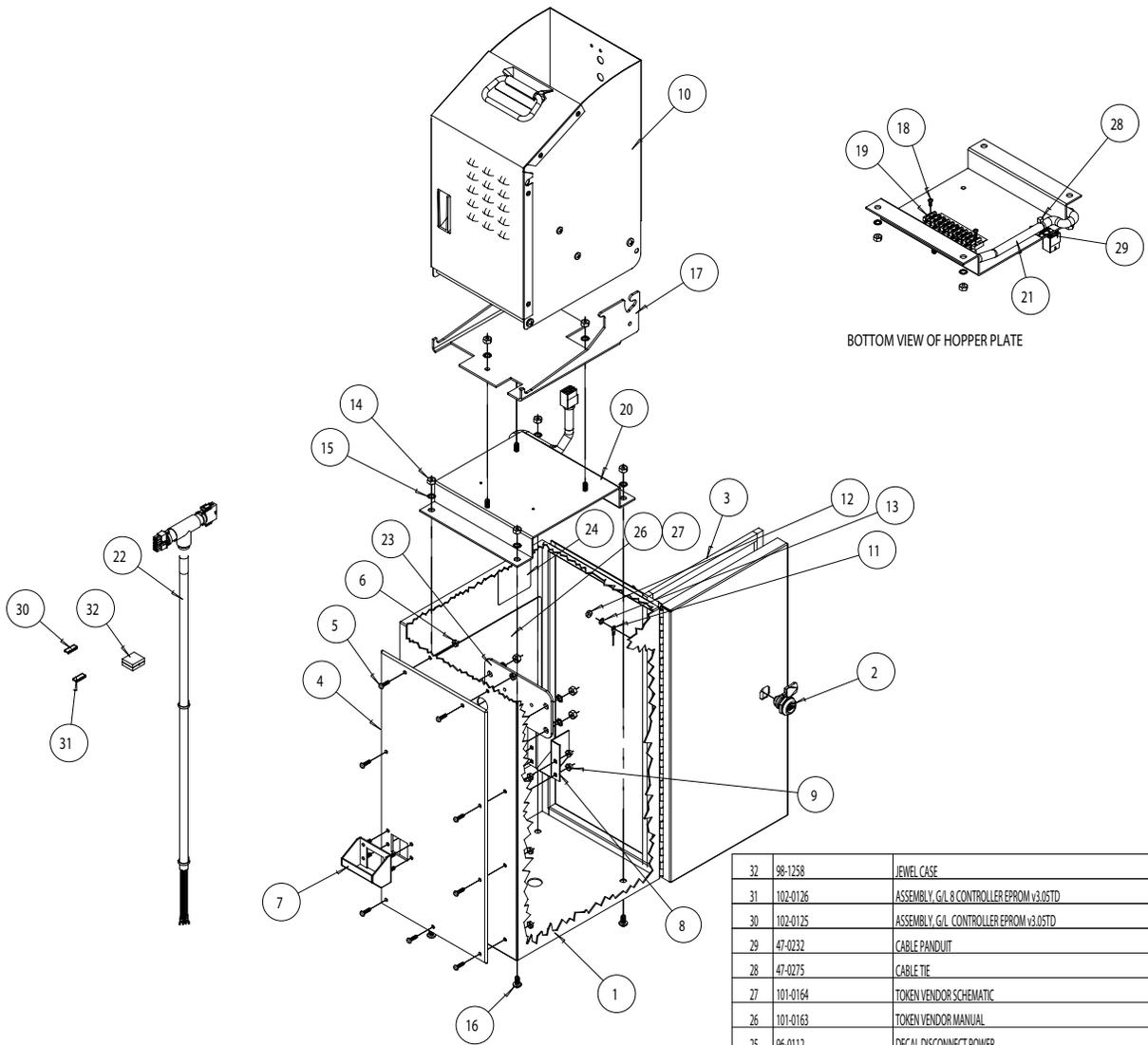
1. Open the machine and locate the controller on the inside left hand cabinet wall. Push the top and bottom buttons simultaneously for about 3-5 seconds to enter programming mode.
2. Using wash select buttons 2 and 3 located on the door, scroll through the program categories until “SET PROMO TOKENS?” is displayed.
3. Press wash select button 4 to enter the category. The display will show “ITEM 1 = X TOKENS” indicating the number of tokens that will be dispensed for every Wash #1 purchased.
4. To change the number of tokens dispensed for Wash #1, press wash select button 2 to increase the amount or wash select button 3 to decrease the amount.
5. Press wash select button 4 to advance to the next wash to program and repeat step 4.
6. When finished programming, press wash select button 1 to return to the programming categories menu then press the Refund button to exit programming mode.

IX Operation

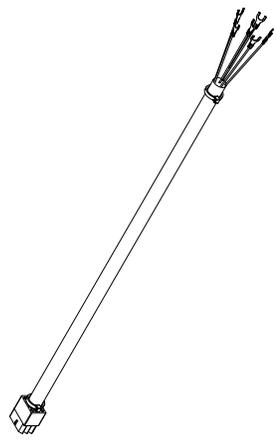
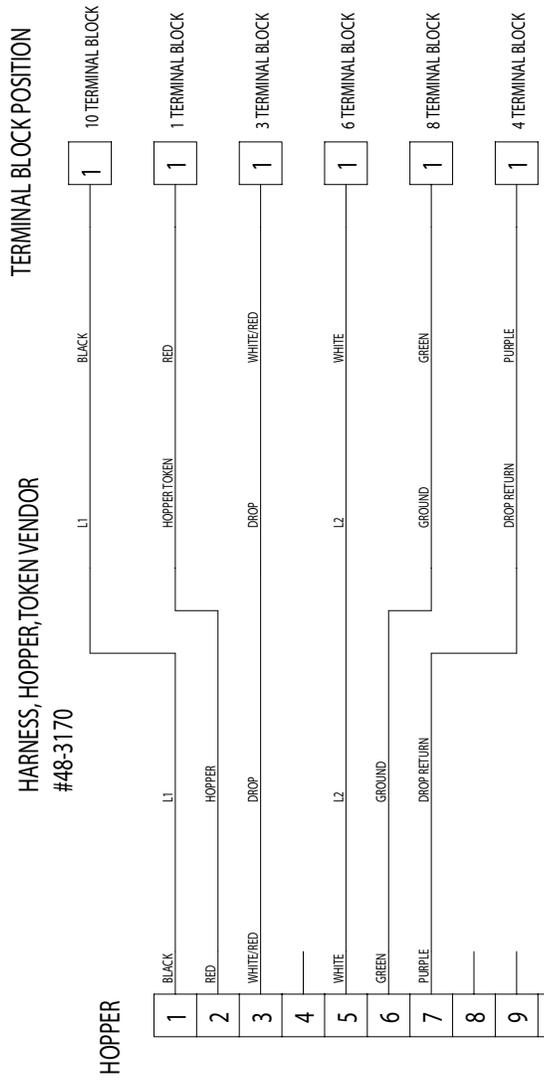
Once the Token Dispenser has been properly installed it gives your Hamilton Gold Line Autocashier the ability to dispense 0-9 tokens with every wash purchased. The anticipated application is to bundle vacuum time with your wash packages by dispensing tokens good at your vacuums. Because the amount of tokens dispensed is programmable for each wash package you can market your premium package to include bonus vacuum time while your basic package may not include any vacuum time.

In order to make this Token Dispenser retrofit into a Gold Line Autocashier it was necessary to use the Out of Service relay to switch between controlling the internal change hopper and the external token hopper. Consequently, the Out of Service relay can no longer be used to monitor the status of the machine.

WARNING – If the Autocashier is programmed to dispense promotional tokens and the Token Dispenser and its interface harness are not properly installed the machine will dispense coins from the change hopper instead of tokens. If you wish to disconnect the Token Dispenser for any length of time be sure to program each wash to dispense zero (0) tokens.



32	98-1258	JEWEL CASE	1
31	102-0126	ASSEMBLY, G/L 8 CONTROLLER EPROM v3.0STD	1
30	102-0125	ASSEMBLY, G/L CONTROLLER EPROM v3.0STD	1
29	47-0232	CABLE PANDUIT	3
28	47-0275	CABLE TIE	3
27	101-0164	TOKEN VENDOR SCHEMATIC	1
26	101-0163	TOKEN VENDOR MANUAL	1
25	96-0112	DECAL DISCONNECT POWER	1
24	96-2054	DECAL GENERAL INFO	1
23	60-2047	VALIDATOR HOLE COVER	1
22	48-3187	HARNES, ACW G/L, TOKEN VENDOR	1
21	48-3170	HARNES, HOPPER, TOKEN VENDOR	1
20	60-2303	HOPPER PLATE, TOKEN VENDOR	1
19	47-0204	DUAL TERMINAL STRIP, 10 COUNT	1
18	90-0129	SCREW, #6-32 x 3/8" PAN HEAD	2
17	11-0033	HOPPER SUPPORT	1
16	90-0333	SCREW, # 1/4-20 x 1/2" PAN HEAD	4
15	90-0403	WASHER, # 1/4 INTERNAL LOCK	11
14	90-0331	NUT, # 1/4-20 HEX	11
13	90-0612	WASHER, #10 INTERNAL LOCK	2
12	90-0301	NUT, #10-24 HEX	2
11	48-0051A	GROUND	1
10	11-0100	HOPPER, TALL	1
9	90-0302	NUT, #10-24 NYLON LOCK	4
8	60-2302	COIN CHUTE, TOKEN VENDOR	1
7	60-2301	COIN CLIP, TOKEN VENDOR	1
6	90-0321	NUT, #8-32 NYLON HEX	8
5	90-0517	BALL STUD, #8-32 x 5/16"	8
4	63-5174	LEXAN, TOKEN VENDOR	1
3	47-3012	GASKET, SPONGE RUBBER	5
2	63-51	1/4 TURN LATCH	1
1	61-2422	CABINET, MPU	1
ITEM#	PART#	DESCRIPTION	QTY.



**LIMITED WARRANTY AGREEMENT
OF HAMILTON MANUFACTURING CORP.**

Hamilton Manufacturing Corp., an Ohio Corporation, (“Seller”) warrants to Purchaser that all new equipment shall be free from defects in material and factory workmanship for a period of one (1) year from the original shipping date. Hamilton Manufacturing Corp. further warrants if any part of said new equipment in Seller’s sole opinion, requires replacement or repair due to a defect in material or factory workmanship during said period, Seller will repair or replace said new equipment. Purchaser’s remedies and the liabilities and obligations of Seller herein shall be limited to repair or replacement of the equipment as Seller may choose, and Seller’s obligation to remedy such defects shall not exceed the Purchaser’s original cost for the equipment. Purchaser EXPRESSLY AGREES this is the EXCLUSIVE REMEDY under this warranty. There are no other express or implied warranties which extend beyond the face hereof. All warranty repair service must be performed by either a Factory Trained Service Representative or **HAMILTON MANUFACTURING CORP., 1026 Hamilton Drive, Holland, Ohio 43528 PHONE (419) 867-4858 or (800) 837-5561, FAX (419) 867-4867.**

The limited warranty for new equipment is conditioned upon the following:

1. The subject equipment has not, in the Seller’s sole opinion, been subjected to: accident, abuse, misuse, vandalism, civil disobedience, riots, acts of God, natural disaster, acts of war or terrorism.
2. The Seller shall not be liable for any expense incurred by Purchaser incidental to the repair or replacement of equipment and Purchaser shall assume full responsibility for any freight or shipping charges.
3. The coverage of this warranty shall not extend to expendable parts.
4. Purchaser shall have a warranty registration card on file with Seller prior to any claim in order for warranty protection to apply.
5. No warranty coverage is applicable to any equipment used for currency other than that specified at the time of the purchase.
6. Seller expressly disclaims any warranty that counterfeit currency will not activate said equipment.
7. Seller expressly disclaims any warranty for any losses due to bill manipulation or theft or loss of cash under any circumstances.
8. Use of the equipment for anything other than its intended and designed use will void the Limited Warranty Agreement. Use of equipment for anything other than its intended and designed use includes, but is not limited to, downloading software/applications not certified by Seller such as e-mail, spyware, screen savers, viruses, worms, third party software, web search engines, cookies, spam, desktop applications, games, web surfing, etc.

Seller further warrants all repair or service work performed by a factory trained representative or Hamilton Manufacturing Corp. for a period of ninety (90) days from the date the repair or service work was performed. Purchaser’s remedies and the liabilities and obligations of Seller herein shall be limited to repair or replacement of equipment as Seller may choose, and Seller’s obligation to remedy such defects shall not exceed the Purchaser’s depreciated value of the equipment. Purchaser EXPRESSLY AGREES this is an EXCLUSIVE REMEDY under this warranty. There are no other express or implied warranties on repair or service work performed by a factory trained representative or Hamilton Manufacturing Corp. which extend beyond the face hereof.

The limited warranty for repair and service work is conditioned upon the following:

1. The subject equipment has not, in the Seller's sole opinion, been subjected to: accident, abuse, misuse, vandalism, civil disobedience, riots, acts of God, natural disaster, acts of war or terrorism.
2. The Seller shall not be liable for any expense incurred by Purchaser incidental to the repair or replacement of equipment and Purchaser shall assume full responsibility for any freight or shipping charges.
3. The coverage of this warranty shall not extend to expendable parts.
4. Purchaser shall have a warranty registration card on file with Seller prior to any claim in order for warranty protection to apply.
5. No warranty coverage is applicable to any equipment used for currency other than that specified at the time of the purchase.
6. Seller expressly disclaims any warranty that counterfeit currency will not activate said equipment.
7. Seller expressly disclaims any warranty for any losses due to bill manipulation or theft or loss of cash under any circumstances.
8. No person or entity other than a factory trained representative or Hamilton Manufacturing Corp. has performed or attempted to perform the subject repair or service.
9. Using equipment which has been serviced or repaired for anything other than its intended or designed use such as downloading software applications not certified by Seller will void the Limited Warranty Agreement. This includes software/applications such as e-mail, spyware, screen savers, viruses, worms, third party software, web search engines, cookies, spam, desktop applications, games, web surfing, etc.

THIS AGREEMENT IS MADE WITH THE EXPRESS UNDERSTANDING THAT THERE ARE NO IMPLIED WARRANTIES THAT THE EQUIPMENT SHALL BE MERCHANTABLE, OR THAT THE GOODS SHALL BE FIT FOR ANY PARTICULAR PURPOSE. PURCHASER HEREBY ACKNOWLEDGES THAT IT IS NOT RELYING ON THE SELLER'S SKILL OR JUDGMENT TO SELECT OR FURNISH EQUIPMENT SUITABLE FOR ANY PARTICULAR PURPOSE AND THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THAT WHICH IS DESCRIBED HEREIN.

The Purchaser agrees that in no event will the Seller be liable for direct, indirect, or consequential damages or for injury resulting from any defective or nonconforming new, repaired or serviced equipment, or for any loss, damage or expense of any kind, including loss of profits, business interruption, loss of business information or other pecuniary loss arising in connection with this Limited Warranty Agreement, or with the use of, or inability to use the subject equipment regardless of Sellers knowledge of the possibility of the same.

Hamilton Manufacturing Corp.

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