American Changer

Model 400RL CC Rear Load

Model 400RL CC Rear Load

Model 400FL Front Load

Triad
Model 400 Series
Installation, Operation, and Service Manual

*Changing the Industry*ˢᴹ

⚠ WARNING

Improper installation, adjustment, alteration, service, maintenance, or use of this machine can result in death, injury or property damage.

Installers & Service Technicians

Read and understand the instructions detailed in this manual.

Owners & Operators

Keep this manual in a safe place to provide to any service technicians working on this machine.

Table of Contents

Warranty Statement

PLEASE REFERENCE PAGES 46 AND 47 FOR AMERICAN CHANGER'S DETAILED LIMITED WARRANTY AND EXCLUSIVE REMEDIES. SOME HIGHLIGHTS FROM SAID SECTION ARE:

Coin Hopper(s), Coin Acceptors and Logic Board

These items are warranted for one year from date of purchase.

Banknote Validator

This item is warranted for two years from the date of purchase.

COVERED

- Manufacturers' defects in workmanship or materials

NOT COVERED

- Damage caused by shipping or physical abuse
- Misapplication
- Vandalism
- End users' attempt, on their own, to repair components
- Cleaning and maintenance
- Power surges and lightning strikes

A Return Material Authorization number (RMA #) must be obtained from American Changer Corporation before returning a unit for repair; warranty or otherwise. A copy of invoices must accompany any and all warranty work.

Machine Safety

Your safety and the safety of others are very important to American Changer.

We have provided important safety messages in this manual and on your machine. Always read and obey all safety messages.

This is a safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either "DANGER", "WARNING", or "CAUTION".

These words mean:

⚠ DANGER — **You can be killed or seriously injured if you don't <u>immediately</u> follow instructions**

⚠ WARNING — **You can be killed or seriously injured if you don't follow instructions**

⚠ CAUTION — **You can be injured if you don't follow instructions**

All safety messages will tell you what the potential hazard is, tell you how reduce the risk of injury, and tell you what can happen if the instructions are not followed.

Distributors, retailers, operators, and/or service people are to insure the following warning label is properly affixed on the ACC products to which you/they are using and/or servicing in order to help meet the applicable Proposition 65 requirements. For more information go to
www.P65Warnings.ca.gov

⚠ **WARNING:** Cancer and Reproductive Harm
www.P65Warnings.ca.gov.
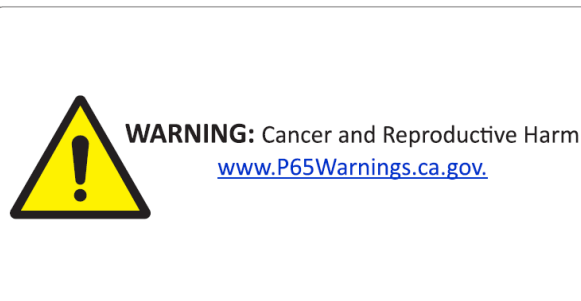
Important Safety Instructions

DANGER: To reduce the risks of severe injury secure the machine to a stable structure.

⚠ DANGER

Severe Injury Hazard

This machine is to be secured to a stable structure.

Equipment will fall if not properly secured to a stable structure.

Failure to follow these instructions may result in death, injury, product damage, or property damage.

WARNING: To reduce the risk of electrical shock, disconnect all electrical power to the machine before servicing.

⚠ WARNING

Electric Shock Hazard

Disconnect all electrical power to the machine before servicing.
Electric shock will occur while servicing the machine with electrical power applied to it.
Failure to follow these instructions may result in death, injury, product damage, or property damage.

NOTICE: For indoor use only.

NOTICE

For indoor use only.

Solo para usos en el interior.

Pour une utilisation en intérieur uniquement.

NOTICE: Ensure this machine is level when installed

NOTICE

Ensure this machine is level when installed.

Asegurarse que está máquina esté nivelada cuando haya sido instalada.

S'assurer que la machine soit de niveau lorsqu'installée.
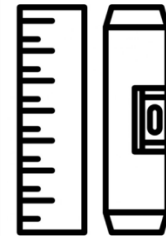
SAVE THESE INSTRUCTIONS

American Changer does not guarantee machines (products) or services to be 100% secure against criminal attempts. All machines (products) and services are to be used in accordance with business best practices and the owner's or operator's best judgement.

Installation, use, service and maintenance must be performed in accordance with applicable machine (product) manuals provided by American Changer and comply with any and all pertinent laws or regulations.

Inspect your machine (product), at a minimum annually, by a qualified service technician.

Dimensions and weights are reasonably close estimates. Specifications in this manual can vary without notice.

New Changer Installation - Location of Power Cord & Keys

NOTICE: THIS MODEL MACHINE IS FOR INDOOR USE ONLY.

Inspect for any connectors or components that may have been dislodged during shipping. The lock and keys for your changer will be inside the manila envelope along with this manual and other pertinent information. To install the lock, insert the cylinder into the hole in the middle of the T-handle and push until it stops. Turn the key until you hear it "snap." Turn the key counterclockwise ¼ turn and remove the keys.

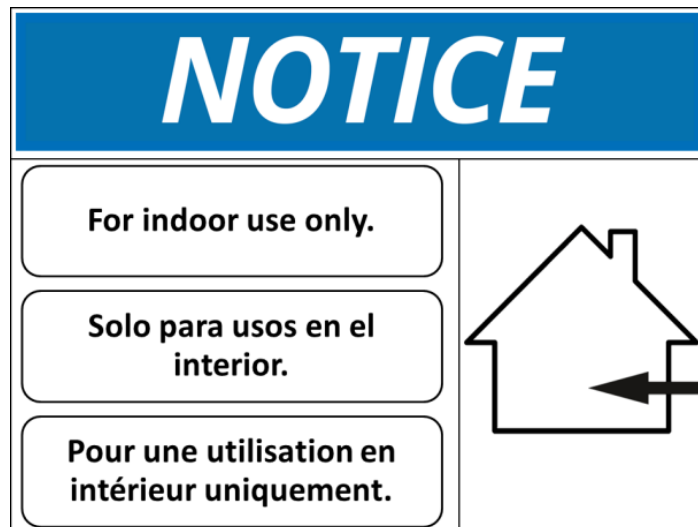**NOTE: The only way to get a duplicate set of keys made is to save the tag that comes with the keys. The ID # begins with "AC" or "ACC" followed by digits." If you purchased Medeco locks with your machine the ID will begin with "7RA" followed by digits."**

CHECKING SHIPMENT: Be sure to check the shipment against the Bill of Lading for shortages. Also, check for external damage to the packaging. Note any shortages and/or damage to the packaging on the Bill of Lading in the presence of the carrier and ask the carrier to initial on the Bill of Lading accordingly. Immediately report any shortages or damage to the packaging to the carrier and American Changer.

TEST: Before permanently installing the changer, do a functional test to verify that there is no shipping damage to your new changer.

Plug the power cord into a ***dedicated, grounded 120VAC outlet***. **The machine is preset to accept U.S. currency (unless otherwise specified at the time of purchase).**

Fill each of the coin hoppers with a minimum of 100 coins. On the Controller Assembly, turn the switch, labeled on/off, to the "ON" position.

If the machine does not function properly please contact American Changer's Technical Support Department at service@americanchanger.com or 1-888-741-9840.

When unpacking a new changer, the power cord and keys are found as shown below.

Mounting Specifications

This machine must be installed in accordance with local codes. If you are unsure in any way what your local codes are or unsure of anything in the following steps, please hire a licensed professional to mount your machine.

Model:	400 (Front Load)	400 RL (Rear Load)
Type:	Front Load	Rear Load
Cabinet Dimensions		
- Width:	12.06 in.	12.06 in.
- Depth:	18.00 in.	18.00 in.
- Height:	38.62 in.	38.62 in.
Face Plate (DxWxH):	n/a	.125"D x 18"W x 43"H
Approx. Shipping Weight:	115 lbs.	130 lbs.
Power*		
- Line Voltage:	115 VAC, 95-125 VAC	115 VAC, 95-125 VAC
- Idle:	110/115 AC; 60Hz, 130w/1.5A	110/115 AC; 60Hz, 130w/1.5A
- Active:	110/115 VAC; 60Hz, 230w / 3.5A	110/115 VAC; 60Hz, 230w / 3.5A

*No more than three (3) Bill Breaker units may be connected to a single 15 amp circuit.
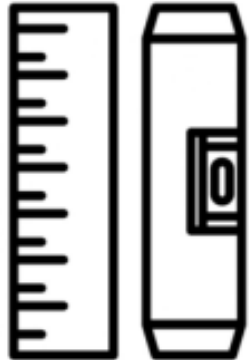
NOTICE: BEFORE SECURING ENSURE THE MACHINE IS LEVEL.

🛑 **DANGER**: *PROPERLY SECURE MACHINE (PRODUCT) TO A STABLE STRUCTURE SO THE MACHINE (PRODUCT) CANNOT BE MOVED OR TIPPED. USE STRUCTURAL SOUND FASTENERS THAT CAN BE PROPERLY TIGHTENED AND SECURE THE MACHINE (PRODUCT) THROUGH EACH OF THE HOLES IN THE BASE OF THE MACHINE (PRODUCT) TO THE APPLICABLE SURFACE TO WHICH IT IS BEING SECURED.*

The proper performance of your American Changer machine is directly related to the quality of the power it is supplied. AC power fluctuations, including blackouts, brownouts, over voltages, sags, surges, and spikes may cause the machine to miss pay. To ensure the most trouble-free operation, we strongly recommend plugging all of our machines into a DEDICATED AC outlet (this means there are no other machines on location plugged into the same AC line). A simple way to check if this is true is to turn off the breaker associated with our machine at the breaker box. No other equipment on location should lose power.

Additionally, if your unit is located in an area prone to lightning storms or other sources of frequent power disturbances, we also strongly recommend using an Uninterruptible Power Supply (UPS). If power is lost during a payout to a customer, a UPS will allow your machines to complete the transaction that would otherwise not be completed. In some cases, a UPS may also correct long-term under and/or over voltages on the AC line by converting to the proper line voltage before the power reaches the machine.

Every American Changer machine has a surge suppressor built into the main logic board. This helps eliminate power related noise problems, but it will not protect from substantial voltage spikes or nearby lightning strikes. If this is a concern for your area, we recommend purchasing a commercial grade UPS with integrated surge protection. **NOTE: A POWER STRIP IS NOT A SURGE PROTECTOR.**

On/Off Switch, Toggle Switches, and Fuses
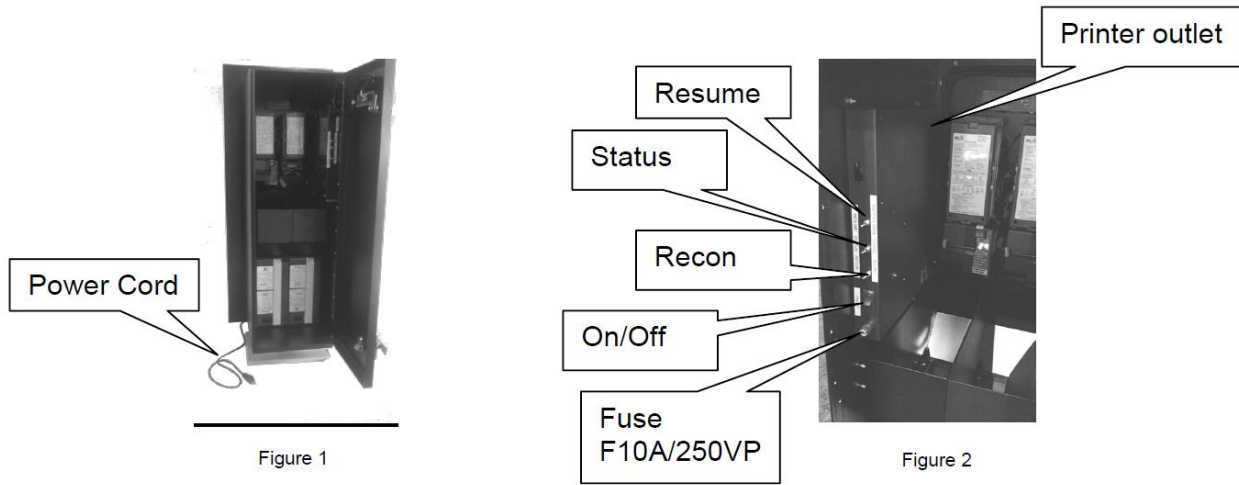
Figure 1

Figure 2

Power Cord
See Figure 1 for Power Cord location.

On/Off Switch, Toggle Switches, and Fuses
On/Off, Resume, Status, Recon Switches are shown in Figure 2.

Fuse Locations
There are two fuses used.
1. Fuse, 61 NM, 250V 5A slow blow: Located in the power module above the on/off switch of the toggle switch box (shown above in Figure 1).
2. Fuse F3.15AH, 250V slow blow: Located on the power supply assembly (see figure below).

IMPORTANT NOTE
Plugging any device (such as drill, vacuum, etc.) into the printer power receptacle may cause a blown fuse.

Fuse F3.15AH,250 V Slow Blow
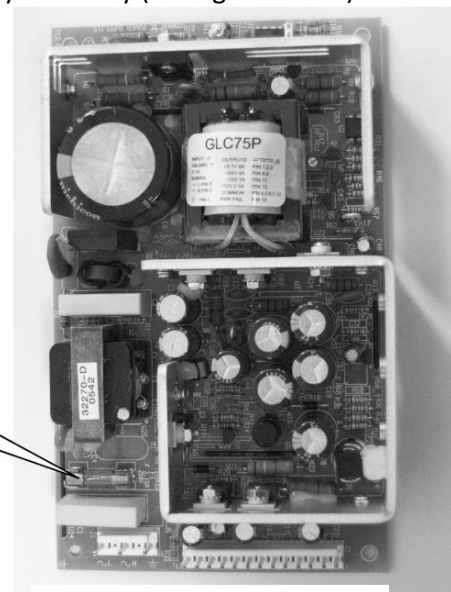
Power Supply Assembly

In the Wall Changer Installation to Meet ADA Requirements

The American Disabilities Act requires unobstructed access to equipment. Bill insertion and coin removal are to be no lower than 15 inches and no higher than 48 inches from the floor. This requirement must be met whether a changer is installed on a base, on a table, or in the wall. NOTE: This drawing is not to scale.

Wall

Bill Acceptor and
Coin Removal

Bill Changer

ADA Max 48"

Bottom of Cabinet

Max 21 inches

ADA Min 15"

FLOOR
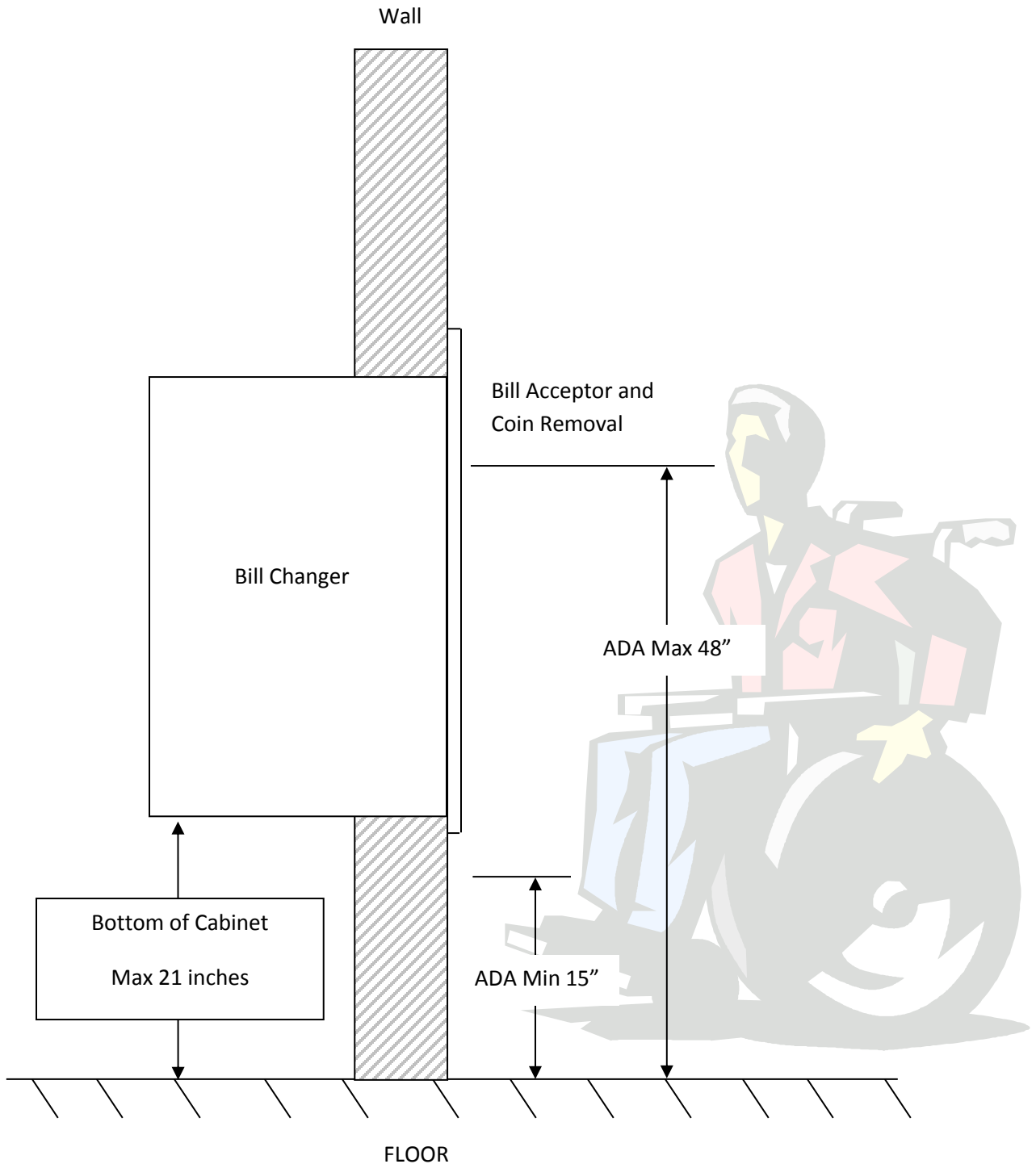
Installing a Rear Load Model 400

General

For all methods of installation, locate a convenient power source and be sure that the bill changer is mounted level.

The Rear Load Changer is primarily designed to be flush mounted on a wall with the cabinet itself protruding through a hole (or cutout) in the wall. The cutout should be determined by the cabinet dimensions shown on page 8. The faceplate, attached to the cabinet, is mounted tight (or flush) against the outside surface of the wall and secured with two angle braces (one on each side of the bill changer). See below for an illustration of this mounting technique. The wall should be flat and vertical so that when the changer is mounted to the wall, no gap exists between the wall and the stainless steel panel. If the changer is mounted on an outside wall, apply a liberal bead of sealant or caulking to the backside of the panel near the four outside edges to ensure a good weather seal and discourage prying.

Typical Wall Mounting

1. Refer to page 8 for cabinet dimensions and then make an opening in the wall just large enough for the changer cabinet. (Determine the bill changer mounting height before you start cutting into the wall.)
2. Depending on the wall thickness, locate and drill three ¼-inch diameter (or larger) holes in each side of the cabinet as shown below. Drill the holes in the angle-iron to match the holes in the cabinet.
3. Set the bill changer in the opening in the wall and apply a bead of sealant or caulking to the back side of the faceplate. Position the faceplate tight against the wall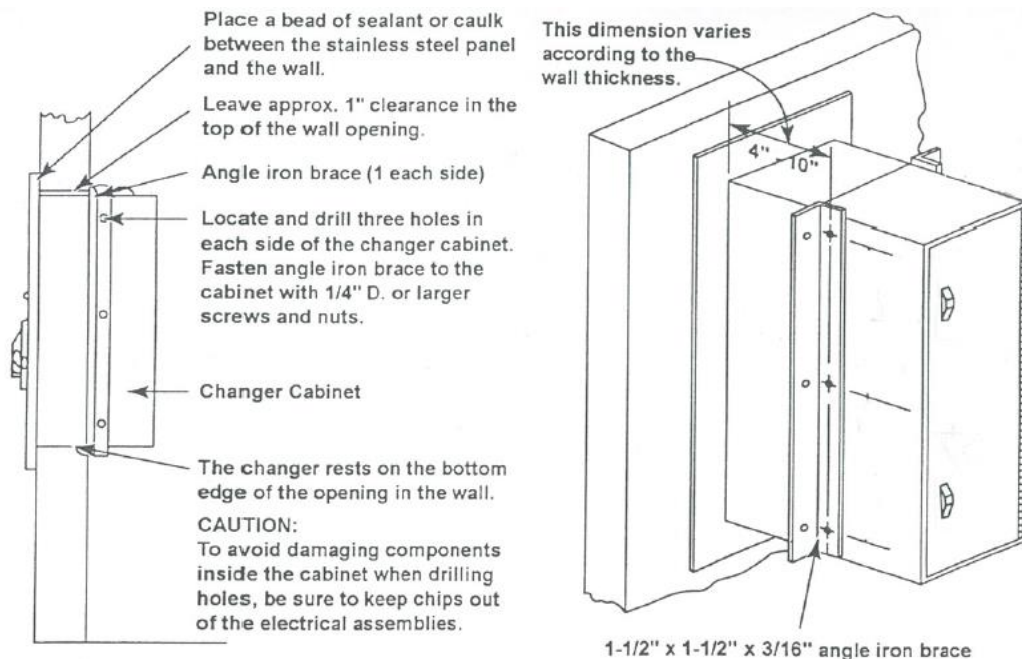 and fasten the angle braces to the sides of the bill changer with ¼-inch diameter screws or screws that match the holes drilled in Step#2. Make sure that the faceplate is tight against the wall.

Place a bead of sealant or caulk between the stainless steel panel and the wall.

Leave approx. 1" clearance in the top of the wall opening.

Angle iron brace (1 each side)

Locate and drill three holes in each side of the changer cabinet. Fasten angle iron brace to the cabinet with 1/4" D. or larger screws and nuts.

Changer Cabinet

The changer rests on the bottom edge of the opening in the wall.

CAUTION:
To avoid damaging components inside the cabinet when drilling holes, be sure to keep chips out of the electrical assemblies.

This dimension varies according to the wall thickness.

4" 10"

1-1/2" x 1-1/2" x 3/16" angle iron brace

Installing a Front Load Model 400

> **SAFETY & SECURITY NOTE:**
> For both safety and security, American Changer strongly recommends that this
> bill changer be securely anchored to the floor and/or wall.

> **IMPORTANT NOTE:**
> Do not position the rear side of the mounting base flush with a wall. The rear
> side of the cabinet must hang over the rear side of the base by 1 inch to allow
> for the power cord to exit from the underside rear corner of the cabinet.

> **IMPORTANT NOTE:**
> Check to be sure there is no excess paint buildup on the 2 positioning studs at
> the mounting base.

1. Position the changer on the base, then mark the mounting hole locations on the floor and/or wall.
2. Mount the base to the floor leaving at least 1 inch clearance between the rear base panel and the wall.

> **NOTE: A spacer may be needed between the rear base panel and the wall.**

3. Remove the coin hoppers from the cabinet.
4. Place the Model 400 Changer on top of the base.
5. Push the cabinet ¾" toward the wall so the positioning studs secure the back of the cabinet.
6. Square up the cabinet to the base and install the Four (4) bolts with 11/32" nut driver in the two (2) front holes as shown in Figure 1 and two (2) rear bolts (not shown).
7. For extra security, additional screws can be inserted through the rear cabinet panel into the wall.

Two Front Mounting Bolts
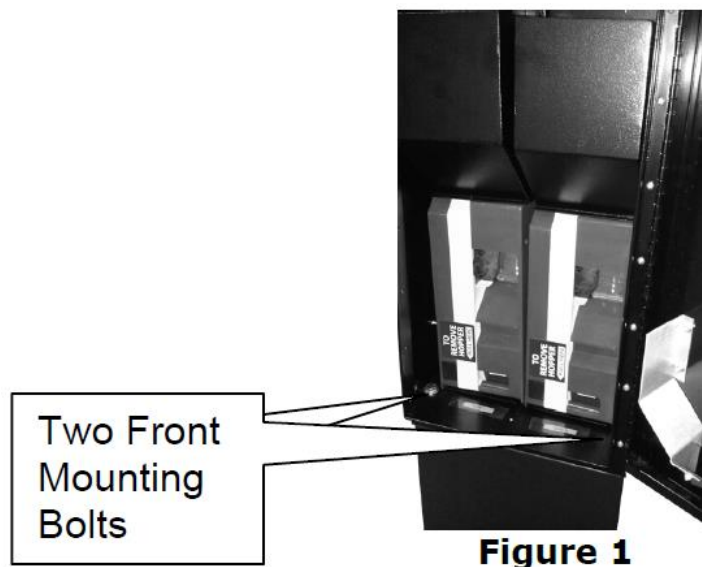
Figure 1

Set Up/General Operation

When you first receive your new Changer, it may need to be configured for your use. Some options may be factory set but they are generic and may need to be reset. Refer to Program Reset on page 27.

There are three toggle switches on the side of the control panel, located in the upper left side of the cabinet or upper right side of the cabinet.

IMPORTANT NOTE:
To activate switches click them downward.
They will not work by clicking upward or by pushing them.
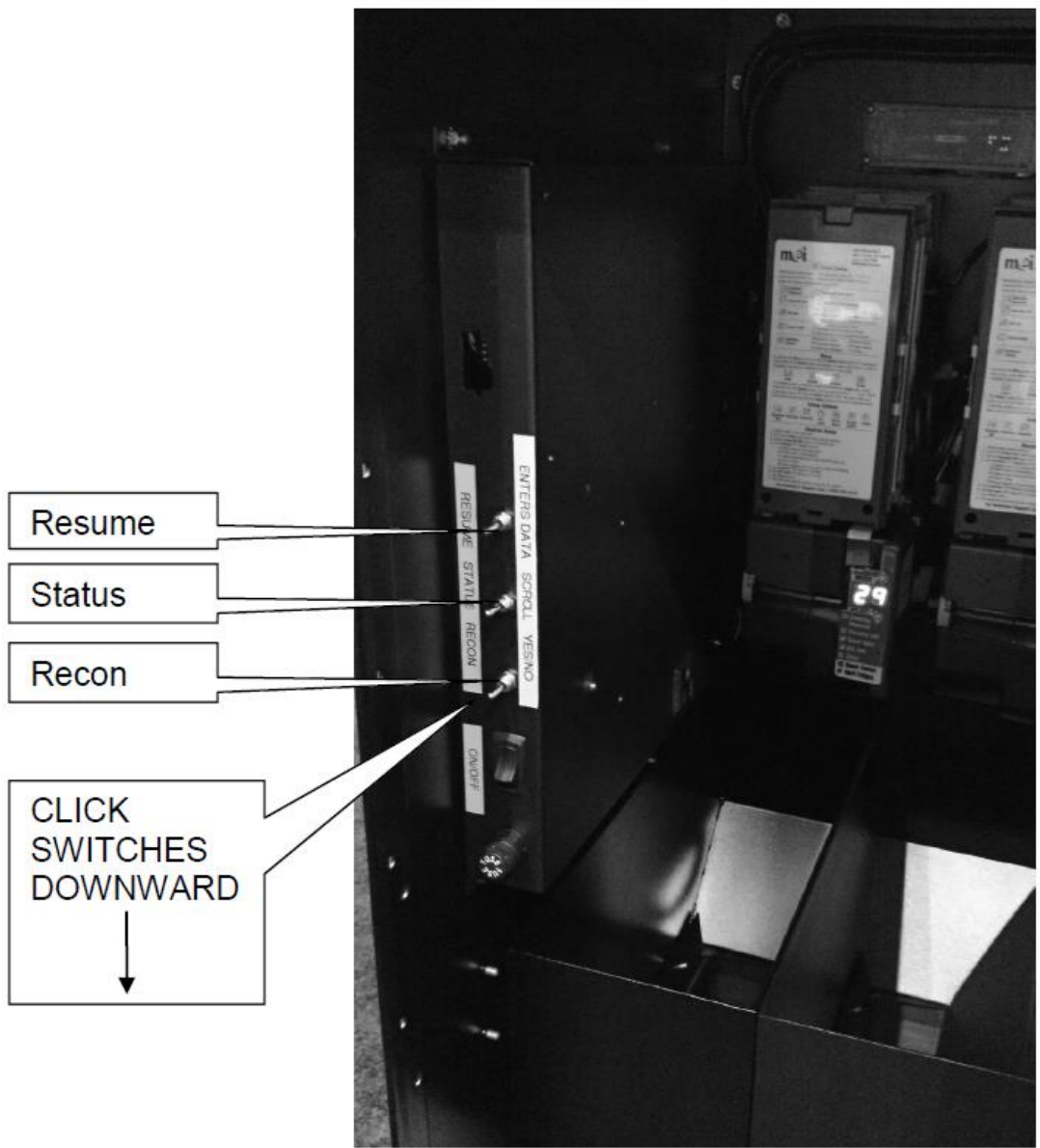
Switch Descriptions:

Resume:	Brings you to the next part of the program. **Clicking the resume switch downward confirms and enters the data.**
Status:	Moves the cursor on the display during the set up procedure. **Click downward the status switch moves the cursor through the data fields from left to right.** **Displays the reconciliation data without clearing data.**
Recon:	Toggles between all yes/no questions, as well as all numeric questions. **Click downward the recon switch changes the data in the data field.** **Displays reconciliation data and allows clearing of data.**
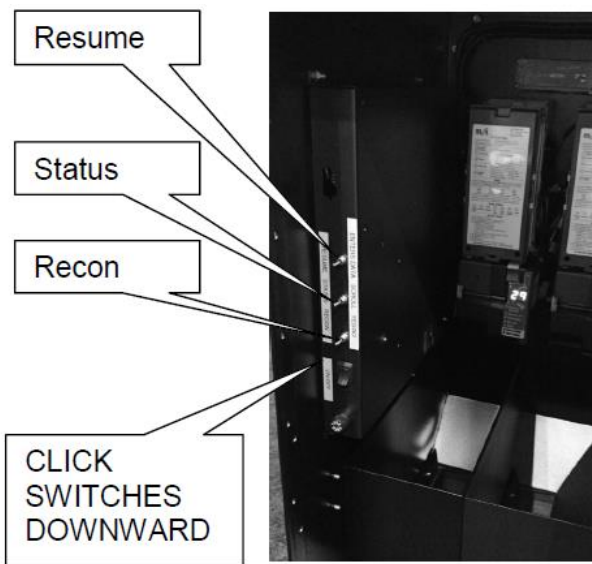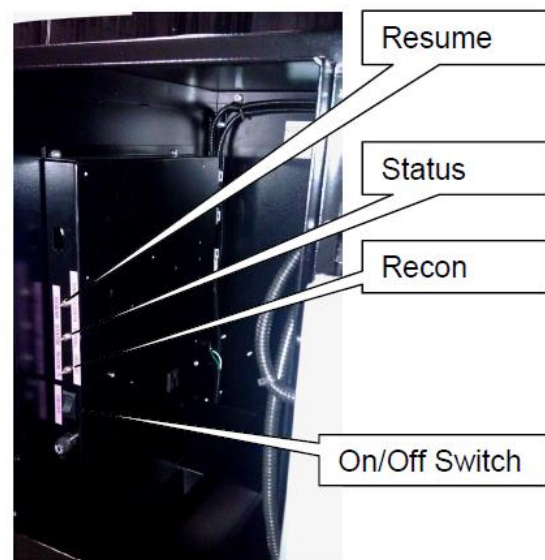
Rear Load Model   Front Load Model

Programming – 400 Front Load and Rear Load with 2 MEI Bill Acceptors and 2 Coin Hoppers & Programming – 400 Front Load and Rear Load with 2 MEI Bill Recyclers and 2 Coin Hoppers

Switches   Results
Resume   Brings you to the next part of the program.
Status   Moves the cursor on the display during the setup procedures.
Recon   Toggles between all yes/no questions and is used for all number entries (1, 2, 3, 4, …).

Display	Function (Press Resume switch after completing each function)
Enter Mach # 000000	Establishes machine ID# choose # using Recon and Status switches, then Resume
Printer Installed Y	Answer Y or N using the Recon switch, then Resume
Coin Dispenser #1 Y/N? y	Checks to see if coin dispenser #1 is installed. Answer Y or N using Recon, then Resume
Enter Load in # Pieces 5600	Enter total # of coins using Status & using Recon, then Resume
#5600 Load OK? Y/N	Verifies # of coins, answer Y/N using Recon, then Resume
Enter piece value X.XX 025	Using Status move curser & click Recon entering 25 then Resume
$0.25 Pieces Y/N Y	Verifies the value of the coins. Using Recon answer Y/N, then Resume
Coin Dispenser #2 Y/N? Y	Answer Y or N using Recon, then Resume
Enter Load in # Pieces 5600	Enter total # of coins using Status & Recon, then Resume
#5600 Load OK? Y/N	Verifies # of coins, answer Y/N using Recon, then Resume
Enter piece value X.XX 025	Using Status & Recon enter 25 then Resume
$0.25 Pieces Y/N Y	Verifies the value of the coins. Using Recon answer Y/N, then Resume
Enable $ 1 Entry? Y	Allows selection of $1 thru $20 bills. Using Recon answer Y/N, then Resume
# of $0.25 Coins H1? 02 $1	Choose the number of coins from Hopper #1 using Recon, Click 2 times to show 2-25 cents, then Resume

# of $0.25 Coins H2? 02 $1	Choose the number of coins from Hopper #2 using Recon, Click 2 times to show 2-25 cents, then Resume
Enable $ 5 Entry? Y	Allows selection of $5 bills from Recycler, leave at "0". Using Recon answer Y/N, then Resume
# of $0.25 Coins H1? 10 $5	Choose the number of coins from Hopper #1, Click Status 1 time, Click Recon 1 time to show 10-25 cents from Hopper #1, then Resume
# of $0.25 Coins H2? 10 $5	Choose the number of coins from Hopper #2, Click Status 1 time, Click Recon 1 time to show 10-25 cents from Hopper #1, then Resume
Enable $10 Entry? Y	Allows selection of $10 bills. Using Recon answer Y, then Resume
# of $0.25 Coins H1? 10 $10	Choose the number of coins from Hopper #1, using Status & Recon, Choose "10", then Resume
# of $0.25 Coins H2? 10 $10	Choose the number of coins from Hopper #2, using Status & Recon, Choose "10", then Resume
Enable $20 Entry? Y	Allows selection of $20 bills. Using Recon answer Y, then Resume
# of $0.25 Coins H1? 10 $20	Choose the number of coins from Hopper #1, using Status & Recon, Choose "20", then Resume
# of $0.25 Coins H2? 10 $20	Choose the number of coins from Hopper #2, using Status & Recon, Choose "20", then Resume
Configuration OK? N	Choose Y/N with Recon. Chose Y if correct. If a previous Entry needs to be changed choose N. Then Resume. Click thru using Resume to get to item to change.
Printing Report	
Printed report OK? Y	Choose Y with Recon, then Resume. Wait for 5 seconds.
Ready to Accept Bill	Changer ready to accept a bill

Fast Reconciliation (Fast Recon)

IMPORTANT NOTE:
Fast Recon must be done when reloading coin if bill acceptor jams and if a hopper jams or runs out of coin.

When reloading coin and/or removing bills, reconciling or balancing the changer, do the following to use a minimum number of key strokes and fastest return to operation. This procedure will return the number of coins paid and bills accepted to $0. This procedure will not allow a printed report of the reconciliation.

Short Reconciliation (Recon)

Display	Function
Fast Recon Y/N?	With Recon switch, select Y, then Resume
Ready to Accept Bill	Resume
Recon Complete	

Long Reconciliation (Recon) for Models Without Recyclers

When reloading coin and/or removing bills reconciling/balancing the changer, viewing reconciliation data and printing the recon report, do the following. This procedure will return the number of coins paid and bills accepted to $0 and prompt to purge hoppers.

Display	Function (Press Resume switch after completing each function)
Fast Recon Y/N N	With Recon switch, select N, then Recon. At any time click Resume switch to finish the Recon process.
#1 Coin Load $500.00	Total value of coins $500 loaded into Hopper #1. Then click the Recon switch.
#1 Coin Paid $2.50	Total value of coins $2.50 paid from Hopper #1. Then click the Recon switch.
#1 Coin Left $497.50	Total value of coins $497.50 paid from Hopper #1. Then click the Recon switch.
#2 Coin Load $500.00	Total value of coins $500 loaded into Hopper #1. Then click the Recon switch.
#2 Coin Paid $2.50	Total value of coins $2.50 paid from Hopper #1. Then click the Recon switch.
#2 Coin Left $497.50	Total value of coins $497.50 paid from Hopper #1. Then click the Recon switch.
Machine# ---- 1	This is the machine Identifier.
Stacked Dollar $0	This is the value of the bills stacked in bill boxes. Then click the Recon switch.
Stacked 1s	Number of $1 bills stacked in bill boxes. Then click the Recon switch.
Recycled $5s	$5 Total number of $5 bills in both recyclers. Then click the Recon switch.
Stacked 10s	Number of $10 bills stacked in bill boxes. Then click the Recon switch.
Stacked 20s	Number of $20 bills stacked in bill boxes. Then click the Recon switch.

--Machine Totals--	
TTL Coin Load $1000.00	Total value of coins $1000 loaded into Hopper #1 and Hopper #2. Then click the Recon switch.
MDB__CN08	This is the software version. Click Resume
Coin Left = $995.00	This is the total coin left in H #1 + H #2. Click Resume
Transaction Log 01, 02, 03, 04, 05	Clicking Recon shows last 5 bills inserted into changer.
ATTENTION: CLICK "RESUME" TO CONTINUE TO PURGE CYCLE. CLICKING "RECON" REPEATS THE DATA.	
Print Recon Y/N, Y Printed Report OK Y/N, Y (Shown only if printer is used)	Click Resume Click Resume if Y – **Must Answer Y to continue**
Clear RECON DATA Y/N, Y Purge Coin H1? Y/N, Y Resume to Purge H#1	Click Resume to Purge Coin Click Resume Click Resume to Purge H1

NOTE: Purging coin will unload coin from H#1 into the coin cup. Be ready with a coin bag to gather coin. The display will show the amount of coin purged from each hopper. Record the coin count quickly because it only is shown for 2 seconds.

TO STOP THIS PROCESS AT ANY TIME TURN CHANGER OFF USING ON/OFF SWITCH.

Purge Coin H2 Y/N, Y	Click Resume to Purge H #2
Resume to Purge H2	Click resume and follow same action as for H #1
Recon Complete	Reconciliation is finished.
Ready to Accept Bill	Refill Coin hoppers and Changer is ready

At this point the "Recycled $5s" category will show the number of #5 in both recyclers.
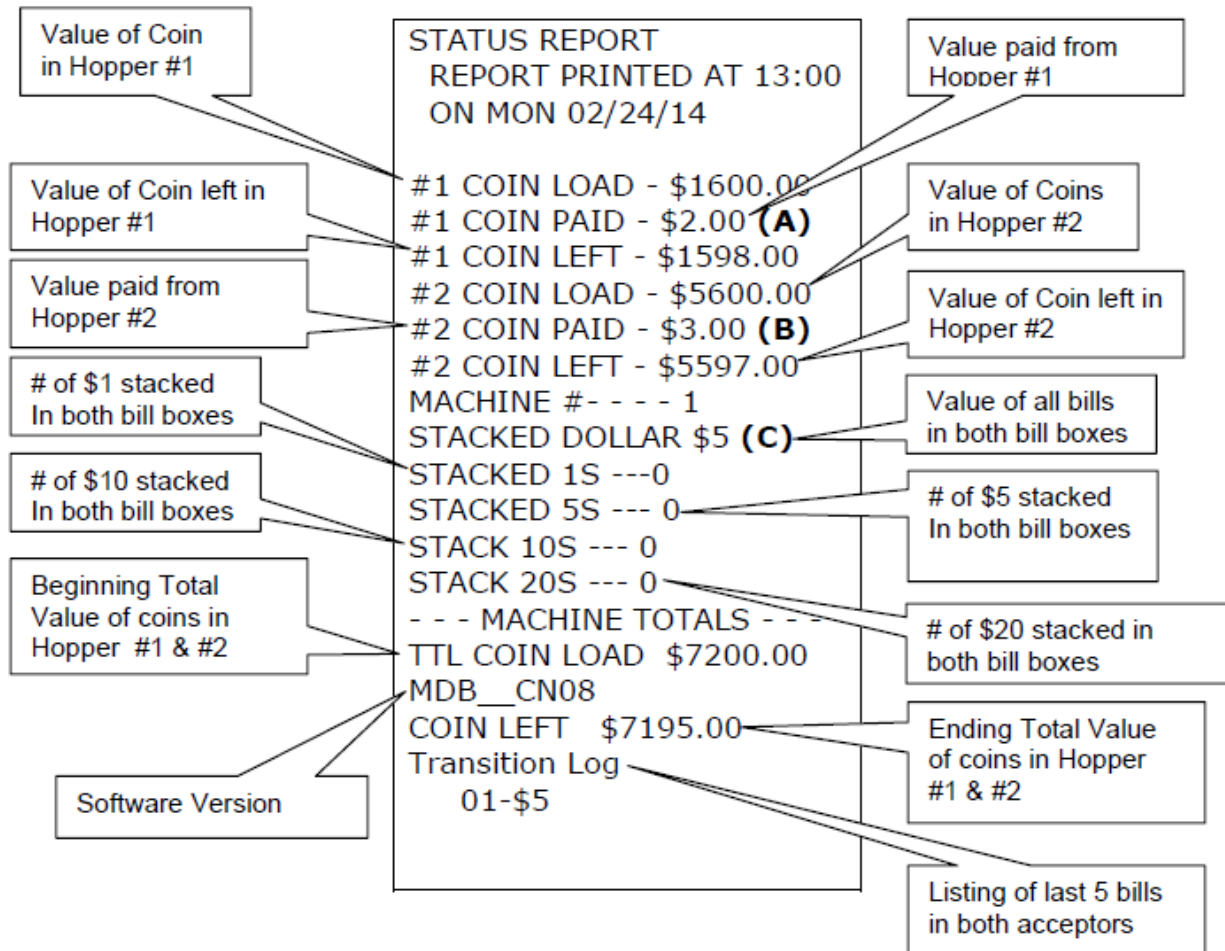
Status Report – For Changers with Bill Acceptors

Each time the Status switch is clicked, recon data will appear. See sample below. You can also print out all of this data for your records, if you have a printer. Print this data by clicking Resume and follow prompts.

Choose Y or N to printing report, click Resume switch, and the Changer will return to normal, "Ready to Accept Bill".

Sample Report

Label	Report
Value of Coin in Hopper #1	STATUS REPORT REPORT PRINTED AT 13:00 ON MON 02/24/14
Value of Coin left in Hopper #1	#1 COIN LOAD - $1600.00
	#1 COIN PAID - $2.00 **(A)**
Value paid from Hopper #2	#1 COIN LEFT - $1598.00
	#2 COIN LOAD - $5600.00
# of $1 stacked In both bill boxes	#2 COIN PAID - $3.00 **(B)**
	#2 COIN LEFT - $5597.00
# of $10 stacked In both bill boxes	MACHINE #- - - - 1
	STACKED DOLLAR $5 **(C)**
Beginning Total Value of coins in Hopper #1 & #2	STACKED 1S ---0
	STACKED 5S --- 0
	STACK 10S --- 0
	STACK 20S --- 0
Software Version	- - - MACHINE TOTALS - - -
	TTL COIN LOAD $7200.00
	MDB__CN08
	COIN LEFT $7195.00
	Transition Log 01-$5

Labels on right:
- Value paid from Hopper #1
- Value of Coins in Hopper #2
- Value of Coin left in Hopper #2
- Value of all bills in both bill boxes
- # of $5 stacked In both bill boxes
- # of $20 stacked in both bill boxes
- Ending Total Value of coins in Hopper #1 & #2
- Listing of last 5 bills in both acceptors

TO BALANCE BILLS & COINS DO THE FOLLOWING WHILE REFERRING TO A, B, & C, ABOVE

A= COINS PAID FROM HOPPER #1

B = COINS PAID FROM HOPPER #2

C = INCOMING VALUE OF BILLS IN BOTH BILL ACCEPTORS
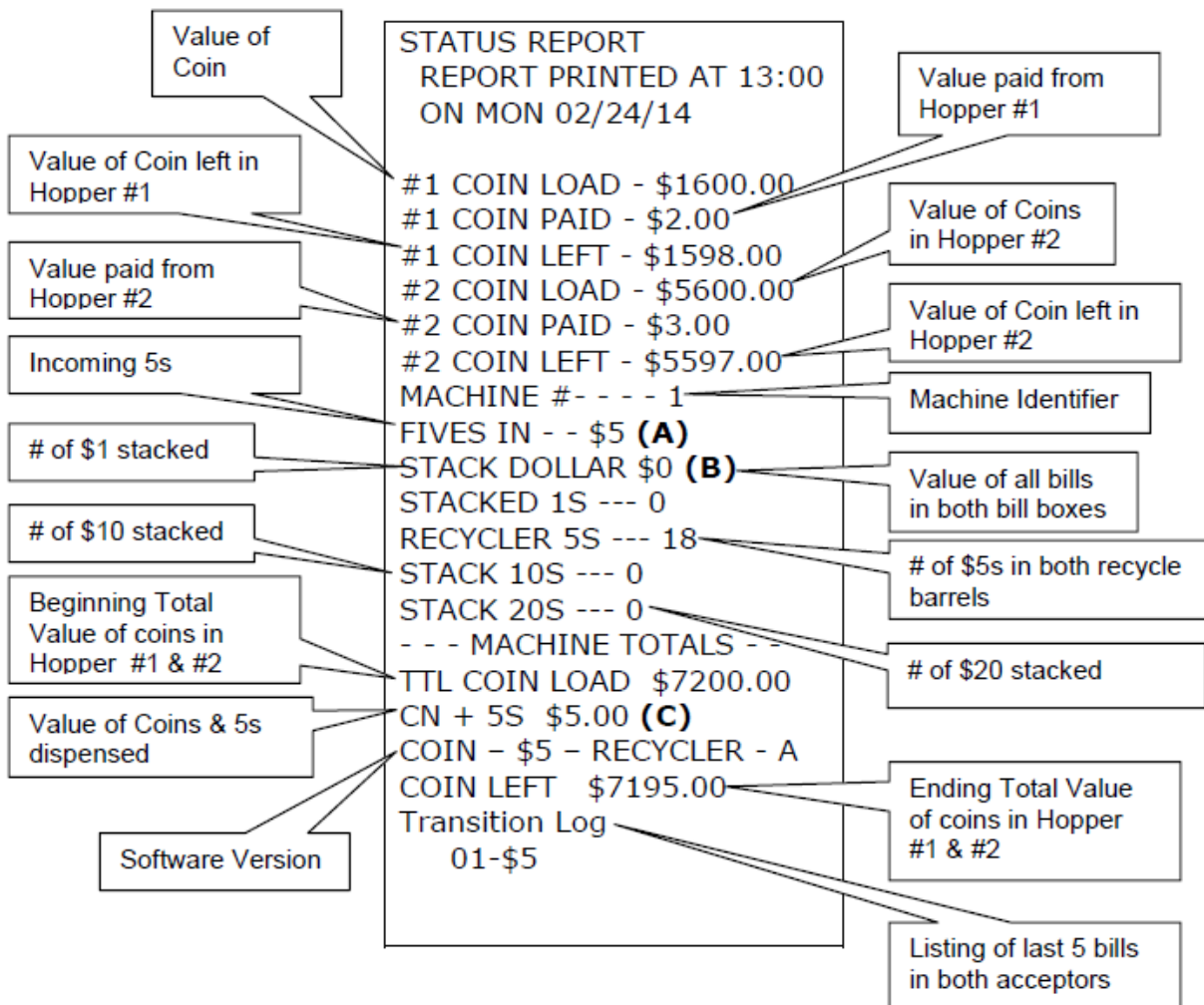
So that **(A) + (B) = (C)**

$2 + $3 = $5.00

Status Report – For Changers with Bill Recyclers and Bill Acceptors without Credit Card System

Each time the Status switch is clicked, recon data will appear. See sample below. You can also print out all of this data for your records, if you have a printer. Print this data by clicking Resume and follow prompts.

Choose Y or N to printing report, click Resume switch, and the Changer will return to normal, "Ready to Accept Bill".

Sample Report

	STATUS REPORT	
Value of Coin	REPORT PRINTED AT 13:00 ON MON 02/24/14	Value paid from Hopper #1
Value of Coin left in Hopper #1	#1 COIN LOAD - $1600.00	
	#1 COIN PAID - $2.00	Value of Coins in Hopper #2
	#1 COIN LEFT - $1598.00	
Value paid from Hopper #2	#2 COIN LOAD - $5600.00	
	#2 COIN PAID - $3.00	Value of Coin left in Hopper #2
	#2 COIN LEFT - $5597.00	
Incoming 5s	MACHINE #- - - - 1	Machine Identifier
	FIVES IN - - $5 **(A)**	
# of $1 stacked	STACK DOLLAR $0 **(B)**	Value of all bills in both bill boxes
	STACKED 1S --- 0	
# of $10 stacked	RECYCLER 5S --- 18	# of $5s in both recycle barrels
	STACK 10S --- 0	
	STACK 20S --- 0	
Beginning Total Value of coins in Hopper #1 & #2	- - - MACHINE TOTALS - -	
	TTL COIN LOAD $7200.00	# of $20 stacked
Value of Coins & 5s dispensed	CN + 5S $5.00 **(C)**	
	COIN – $5 – RECYCLER - A	
	COIN LEFT $7195.00	Ending Total Value of coins in Hopper #1 & #2
	Transition Log	
Software Version	01-$5	
		Listing of last 5 bills in both acceptors

TO BALANCE BILLS & COINS DO THE FOLLOWING WHILE REFERRING TO A, B, & C, ABOVE

A= FIVES IN - - = $5

B = STACK DOLLAR = 0

C = CN + 5S $5.00

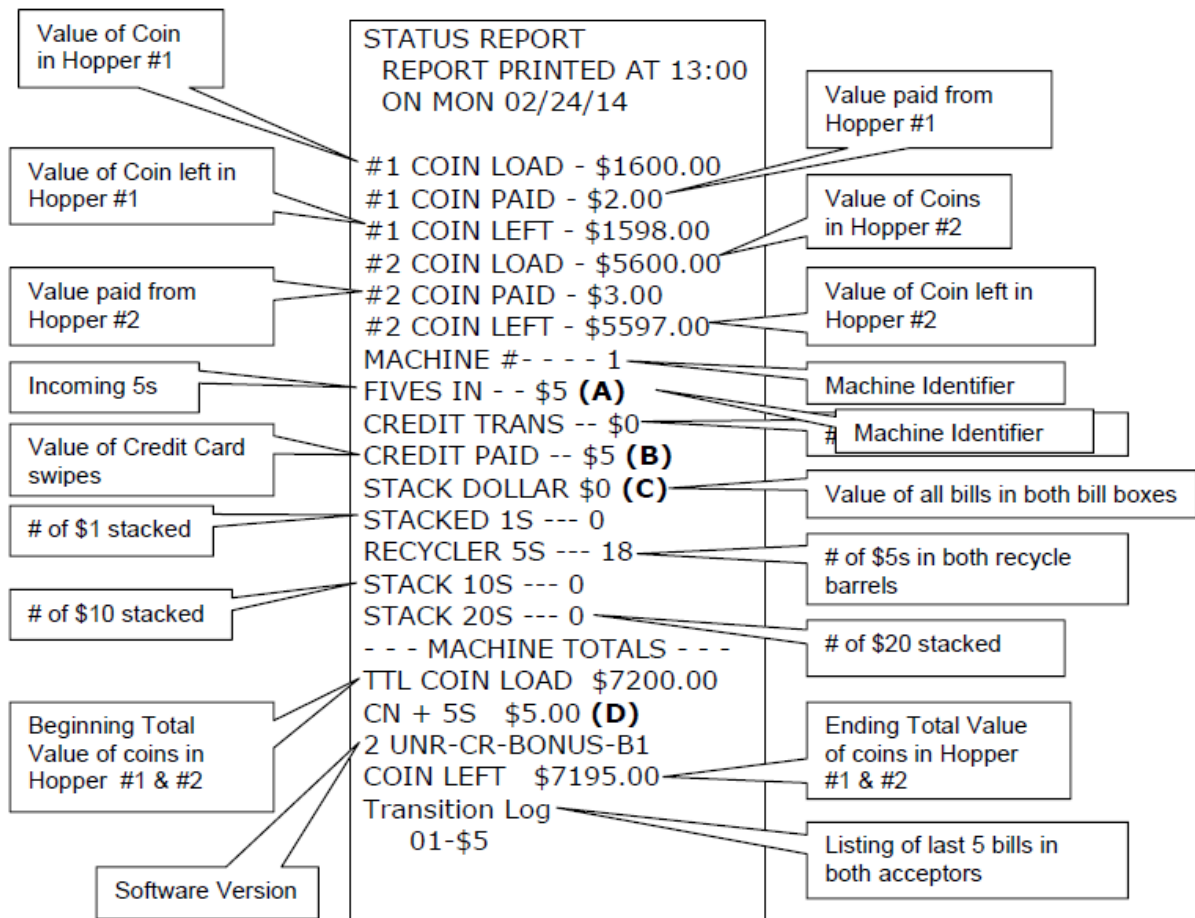So that **(A)** + **(B)** = **(C)**

$5 + **$0** = **$5.00**

Status Report – For Changers with Credit Card System and Recycler

Each time the Status switch is clicked, recon data will appear. See sample below. You can also print out all of this data for your records, if you have a printer. Print this data by clicking Resume and follow prompts.

Choose Y or N to printing report, click Resume switch, and the Changer will return to normal, "Ready to Accept Bill".

Sample Report

Label (left)	STATUS REPORT	Label (right)
Value of Coin in Hopper #1	STATUS REPORT REPORT PRINTED AT 13:00 ON MON 02/24/14	Value paid from Hopper #1
Value of Coin left in Hopper #1	#1 COIN LOAD - $1600.00 #1 COIN PAID - $2.00 #1 COIN LEFT - $1598.00 #2 COIN LOAD - $5600.00	Value of Coins in Hopper #2
Value paid from Hopper #2	#2 COIN PAID - $3.00 #2 COIN LEFT - $5597.00	Value of Coin left in Hopper #2
Incoming 5s	MACHINE #- - - - 1 FIVES IN - - $5 **(A)**	Machine Identifier
Value of Credit Card swipes	CREDIT TRANS -- $0 CREDIT PAID -- $5 **(B)**	Machine Identifier
# of $1 stacked	STACK DOLLAR $0 **(C)** STACKED 1S --- 0	Value of all bills in both bill boxes
# of $10 stacked	RECYCLER 5S --- 18 STACK 10S --- 0 STACK 20S --- 0	# of $5s in both recycle barrels
Beginning Total Value of coins in Hopper #1 & #2	- - - MACHINE TOTALS - - - TTL COIN LOAD $7200.00 CN + 5S $5.00 **(D)** 2 UNR-CR-BONUS-B1 COIN LEFT $7195.00	# of $20 stacked Ending Total Value of coins in Hopper #1 & #2
Software Version	Transition Log 01-$5	Listing of last 5 bills in both acceptors

TO BALANCE BILLS & COINS DO THE FOLLOWING WHILE REFERRING TO A, B, C, & D ABOVE

A= FIVES IN - - $5
B = CREDIT PAID -- $5
C = STACK DOLLAR $0
D = CN + 5S $5.00
So that **(A)** + **(B)** + **(C)** = **(D)**
$5 + $0 + $0 = $5.00

Credit Card Receipt for Patrons

CREDIT RECEIPT

REPORT PRINTED AT 13:00
ON MON 12/24/14

   CREDIT VALUE $20

   TOKENS PAID $20

THANK YOU FOR YOUR
BUSINESS

NOTE:
Bonus Tokens can
also be paid

If changer is equipped with optional external printer, patrons will receive this receipt for each credit card transaction.

Program Reset

Before starting the reset process, a reconciliation "Recon" must be completed.

Important Note:
Answer "Y" to clear all program settings. Answer "N" to change any of the program settings.
Some early versions of software may require all bills to be removed from recycle barrels to continue with "Program Reset".

Turn power OFF.

Hold down Resume switch.

While holding down Resume switch, turn power ON and hold Resume down for several seconds. The following prompts will be displayed:

- "Hold Resume To CONFG"
- "Release Resume"
- "Reset Machine Y/N"
- Answer "Y" or "N" by cycling Recon switch

Important Note:
Answer "Y" to clear all program settings. Answer "N" to change any of the program settings.

Follow display prompts.

"Out of Coin" Message /Coin Load / Reconciliation

IMPORTANT NOTE:
In order to activate a hopper that has emptied, a Recon must be completed.

The Changer will shut down and will not accept further currency **if both** coin hoppers are empty.

If it is <u>not important or necessary</u> to reload hoppers with a certain number of coins, simply complete "Fast Recon" after filling a hopper or reloading an empty hopper.

You must perform a reconciliation and reload the hopper with the same amount of money that you originally started to preserve the "Coin Load" and "Coin Left" data to the next reconciliation.

Help Code Chart

HELP CODE	DESCRIPTION/CORRECTIVE ACTION
?Coin Empty or Jam?	There is a stuck bill in bill acceptor or a hopper jam. If front acceptor LED or arrows are solid check for stuck bill in bill path and/or recycler. When using recyclers, check error code listing on bill box. Click Resume to continue operation. Be sure to remove jammed bill and remove all bills from recycler barrels if recyclers are used. To check coin hopper operation, click status switch to determine which hopper is not paying. Check pages 22 and 29 for more help.
?Out of Service?	Both recyclers or bill acceptors are out of service. Check flash codes on bill acceptors or error codes on recyclers. Check for jammed or stuck bill in bill acceptor. Check recon and click resume. Check to be sure bill boxes are securely in place.
Arrows and green and/or red LEDs on bill acceptors are solid or dark.	See page 17.

Voltage Test Points

The following test points with their voltage settings are found on the main control board shown in Figure 4.

Test Point	Action	Voltage Expected
Jumper to TP 1 & 9th pin on the 40 pin processor	Occasionally when the unit has been turned off for long periods of time, it is necessary to reset the processor. The action of the unit will be that the bill acceptor and dispenser can be heard activating but the display is blank. This action puts +5 VDC to the processor for the reset.	+5 VDC
TP1	Power to the main logic board	+5 VDC
TP 2	Power to the processor	+5 VDC
TP 3	Power for RS 232 for dispenser and PC interface	+ 9 VDC to +12 VDC
TP 4	Power for RS 232 for dispenser and PC interface	- 9 VDC to - 12 VDC
TP 5	Ground	Ground
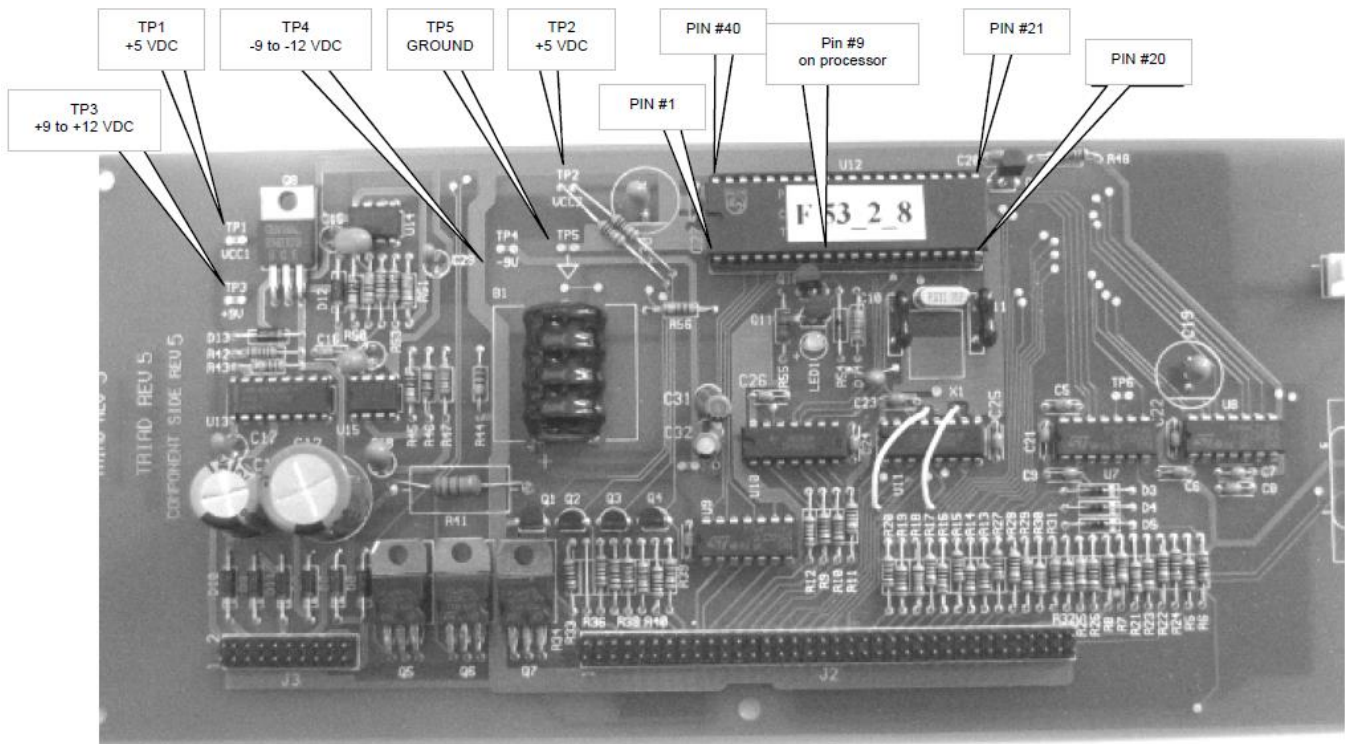
Figure 4

Out of Service Conditions

The Model 400 is in or out of service when the following conditions occur:
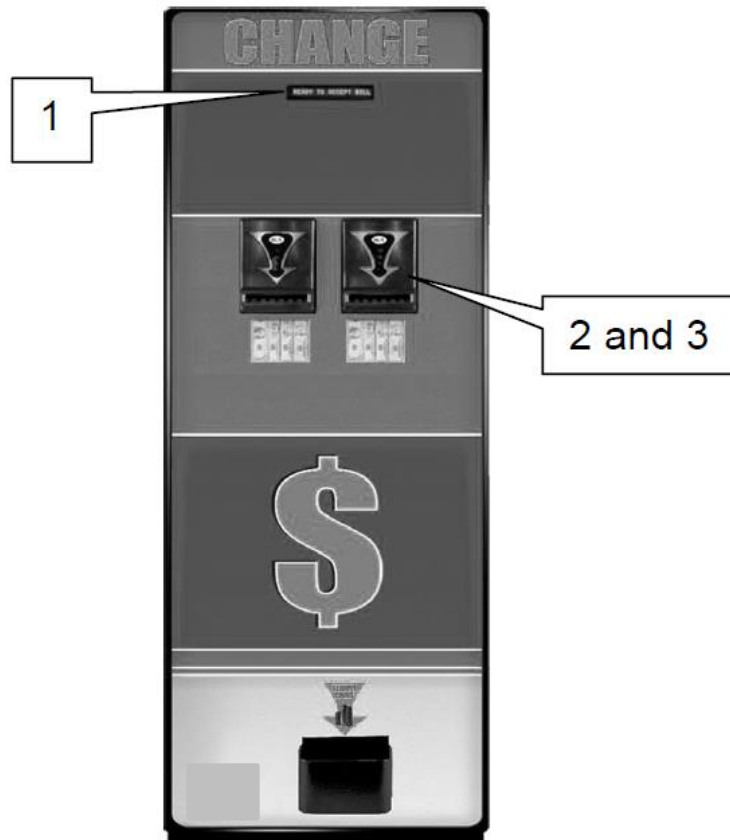
1. Changer is in service when the external display shows:
   READY TO ACCEPT BILL
2. Lights on recycler bezels are changing colors. When standard AF2612 bill acceptors or compact recycler bezels are used the smaller round LEDs will flash for normal operation.
3. If arrows are solid red (hardware error) or solid green (software error) an out of service condition exists. If standard AE2612 bill acceptors or compact recycler bezels are used the smaller round LEDs will be dark and not illuminated.
4. If recyclers are used check the error code on the recycler's display located below the bill box. See page 18.
5. The changer should operate even if one of the two bill acceptors or coin hoppers are out of service.
6. If an error condition occurs during a transaction the display will show:
   IN $20 PAY$10
   BILL OR COIN
   JAM

In this case you can be assured that the customer did insert a $20 and did receive $10.

Mars Bill Acceptor

New Bill Design Updates

To update Changer to handle new bill designs, new software is downloaded into the bill acceptor. Contact a local MEI distributor to purchase a BPM (Bill Programming Module) or have the MEI distributor download new software into the bill acceptor. This is a simple procedure that most operators can do themselves. There is a nominal charge for the BPM and downloading service.

DIP Switch Settings for MEI AE2612

> Note: DO NOT change DIP settings on the bill acceptor to control bill denominations accepted. This is controlled by a programmable setting through the changer software. It is fine to change DIP setting to control; direction of bill acceptance and security features.

1, 2, 3, 4 & 8 on; 5, 6, 7 off……….normal operation accepting bills in 4 directions

Cleaning

It is time to clean the bill acceptor when bills are being returned to patrons at an unacceptable rate. Turn Changer power off. Lift chrome plated rod at the rear of the bill acceptor pulling the bill track out toward you. See Figure 1. Using a clean cloth dampened with warm soapy water wipe the bill track and white feed rollers removing dirt and ink. Also wipe clean the prism at the bottom of the bill box. Replace the bill track and bill box. Turn Changer power on.

For More Information

Contact the www.cranepi.com for more detailed service and maintenance information.

Solid Red LED is Normal Operation

Flashing Red LED is error condion. See codes in Bill Box

Lift this chrome plated rod
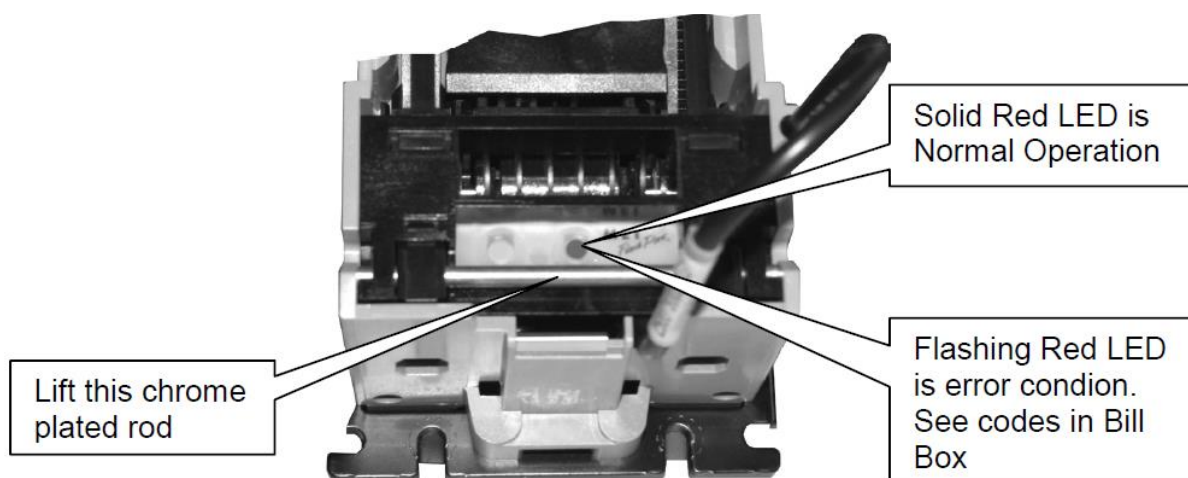
Figure 1

MEI VN2700R – Bill Acceptor and Bill Recycler

Important Note: When changers are equipped with this bill recycler – VN2712R-U5M ONLY $5 BILLS can be recycled.

The model VN2712R-U5M is used to accept $1, $2, $5, $10 & $20 United States bill with a secure narrow ½"Hx 2 ¾"W compact bezel and 500 bill box. Optional Model VN27D2R-U5M is used to accept $1, $2, $5, $10, $20 United States bills with high visibility 3 ¼"W x 4 ¼"H bezel and 500 bill box.

We suggest loading ATM quality bills into the recycler for best performance.
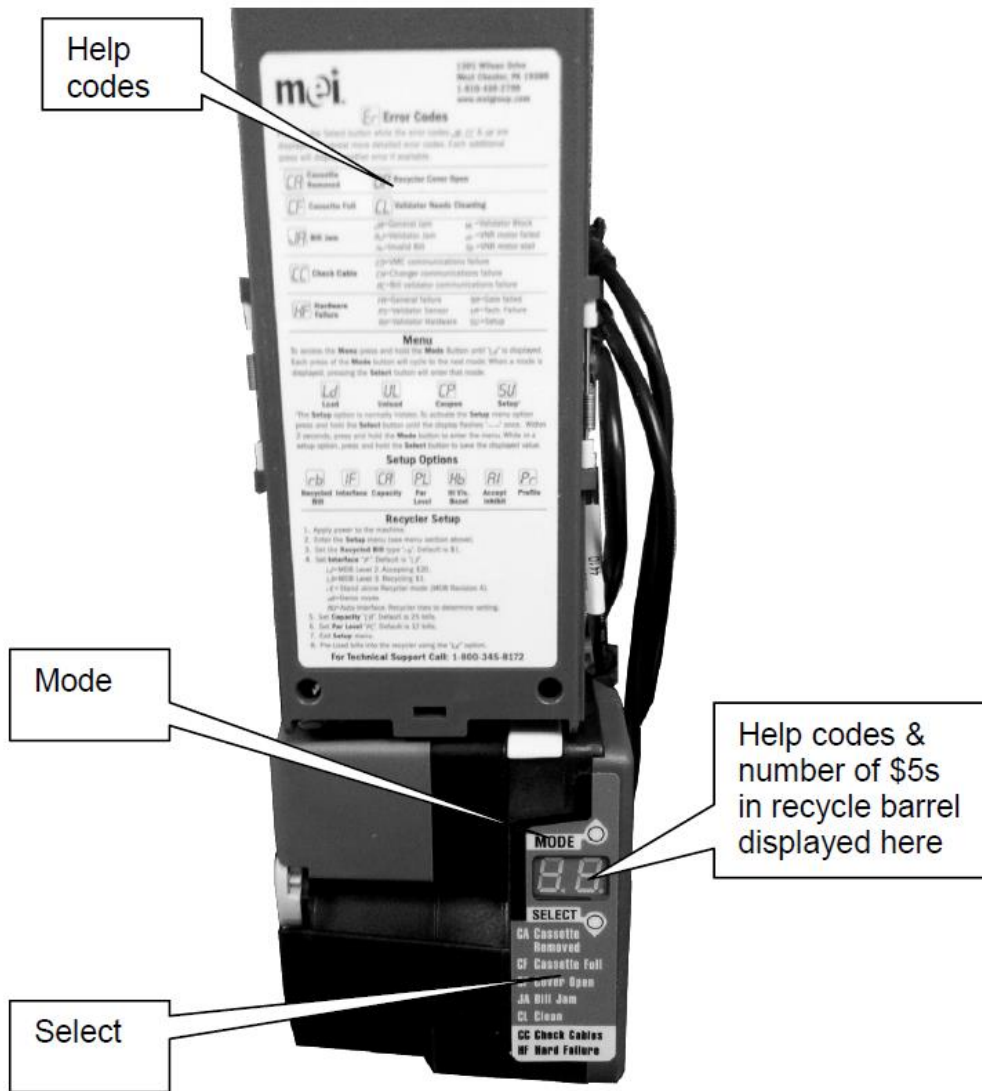
Figure 1

New Bill Design Updates

To update Bill Breaker to handle new bill designs, new software is downloaded into the AE2612 and VN2700 Recycler bill acceptor using a BPM. Contact a local MEI distributor to purchase a BPM (Bill Programming Module) or have the MEI distributor download new software into the bill acceptor. This is a simple procedure that most operators can do themselves. There is a nominal charge for the BPM and downloading service.

Contact Crane Tech Support – 800-345-8172, if help is needed.

To Changer's Logic Board

To Bill Acceptor

Do Not Use

Bill Programming Module BPM

To Bill Acceptor

To Changer's Logic Board

Do Not Use
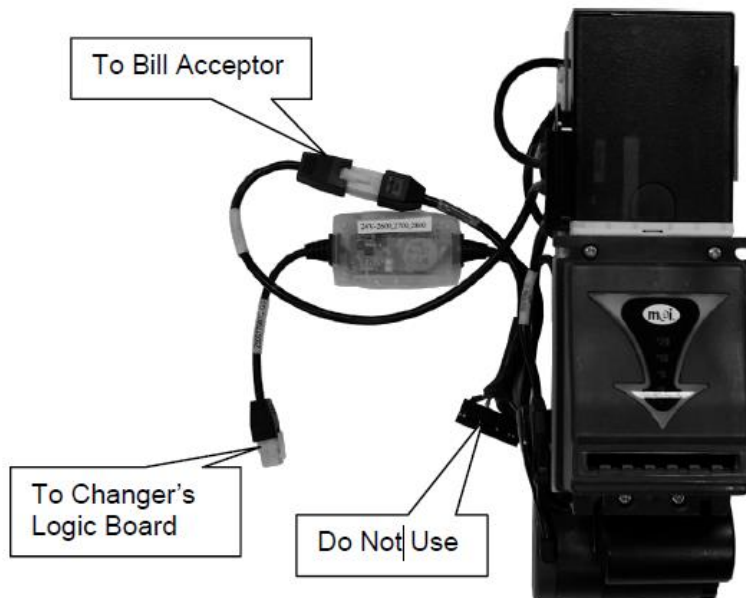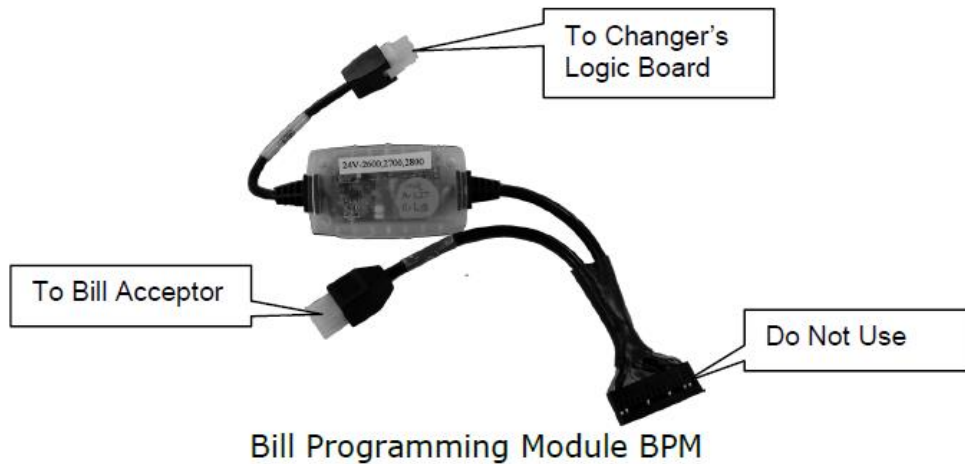
Connect BPM to the Bill Recycler or Bill Acceptor as shown

Load Bills Into Recycler

Press Mode button for 2 seconds, then press select button and display flashes between

| Ld | ⟶ | 18 |
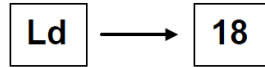
"Ld" load and "18" number of bills currently (in this example, 18 bills are inside the recycler) inside the recycler. Insert bills into the bill acceptor to a maximum of 30.

| 30 |

To return to normal operation, press Mode button. With no activity for 30 seconds, the recycler will "time out" and return to normal operation.

Clearing Bill Jams

> **NOTE:**
> **When a Bill Jam occurs <u>ALL</u> the bills in the recycler's barrel must be removed and replaced to be sure the problem bill(s) are removed.**

There are 3 ways to clear bill jams:
1. Use unload mode below by pressing the mode button twice and select button twice. Each time select button is pressed, bills will unload into the bill box. These buttons are located on rear of the recyclers below the bill box.
2. Remove the bill box and open the recycle barrel. With the barrel open press and hold the mode button pulsing bills out of the barrel.
3. Remove the bill box and open the recycle barrel. Manually rotate the yellow knob at the bottom of the barrel winding out each bill.

Unload Bills From Recycler
Press Mode button twice and then press Select button and display shows:

| Ld | ⟶ | UL | ⟶ | 18 |
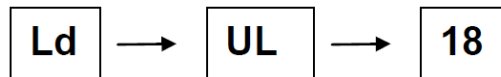
Each time Select button is pressed, one more bill is moved from the recycler to the bill box.

| 18 | ⟶ | 17 | ⟶ | 16 |
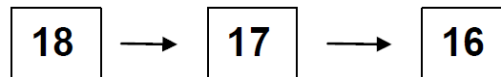
If the select button is pressed for more than 2 seconds, the recycler will continuously move bills from the recycler into the bill box. Press the Mode button to stop bill unloading. With no activity for 30 seconds, the recycler will "time out" and return to normal operation.

Download New MEI Software

Follow these steps to download new software into the MEI unit. The download time is about 8 minutes. **DO NOT CHANGE THE DIP SETTINGS ON THE ACCEPTORS.**

> **CAREFULLY WATCH THE BILL RECYCLER THRU THE DOWNLOAD. DO NOT LEAVE THE UNIT UNATTENDED. BE SURE TO TIME THE DOWNLOAD. SOFTWARE MUST BE DOWNLOADED INTO ACCEPTOR #1 AND ACCEPTOR #2. THIS TAKES 2 SEPARATE STEPS.**

1. Turn changer's power off.
2. Remove bills from Bill Box and Recycle Barrel.
3. Connect BPM as shown to Acceptor #1 – See Page 29.
4. Be sure Bill Box and Recycle Barrel are in normal operational position.
5. Turn power on.
6. Hear the Bill Acceptor Pusher Plate activate.
7. Red and Green LED in BPM will flash.
8. See the following in the VNR's display; bt, the AP, then solid green.
9. When complete Acceptor's Pusher Plate will activate displaying new software version, and display will show "0".

> **Note: If this cycle takes longer than 8 minutes or if red and green LED alternate flashes, turn changer off for 5 seconds and restart the download process turning changer on.**

10. Do same procedures for #2 Acceptor. You must disconnect BPM from Acceptor #1 and reconnect to Acceptor #2.

DIP Switch Settings

> **Note: DO NOT change DIP settings on the bill acceptor to control bill denominations accepted. This is controlled by a programmable setting through the changer software. It is fine to change DIP setting to control; direction of bill acceptance and security features.**

1, 2, 4, 5, 6, 7 & 8 on; 3 off……….normal operation accepting bills in 4 directions

Cleaning

It is time to clean the Bill Acceptor when bills are being returned to patrons at an unacceptable rate. Turn Changer power off. Remove Bill Box. Follow instructions in the Bill Recycle module. See Figure 2. Using a clean cloth dampened with warm soapy water wipe the Bill Track and White Feed Rollers removing dirt and ink. Also wipe clean the prism at the bottom of the Bill Box. **DO NOT USE IPA – ISOPROPAL ALCOHOL.** Replace the Bill Track and Bill Box. Turn Changer power on.
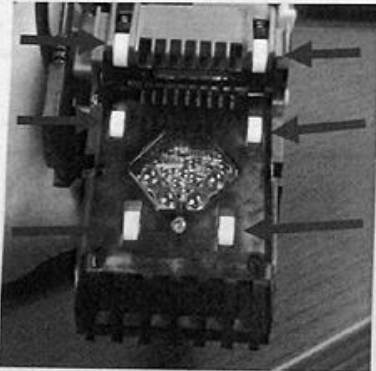
7. Use canned air and blow dust and debris from the back pusher plate area.
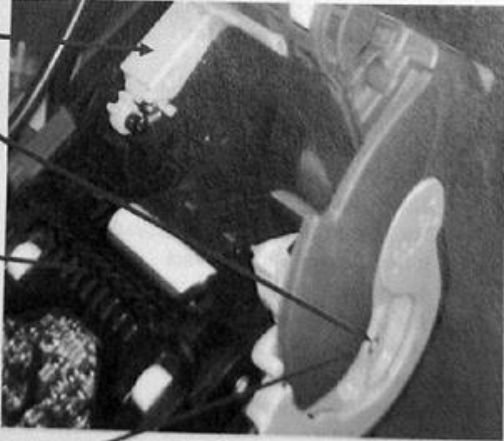
8. Use the water dampened microfiber cloth and wipe down the entire area including the cashbox sensor.

9. Cleaning the belts is not a manual process. It requires cycling power to the unit to clean properly.

   a. Cycle power the machine. With the damp microfiber cloth, gently press against the belt where shown.
   b. The belts will not travel a complete cycle. It may take two restarts per belt to fully clean.

10. Using compressed air or low pressure CO_2, blow out the upper sensor board area.

11. Using a damp, microfiber cloth clean the upper sensor board lens area.

12. Put the recycler and cashbox back into place. Log the cleaning event with a sticker for tracking purposes.

Return to an Authorized Service Center when...
- The belts look excessively worn, loose, torn, or frayed.
- The cashbox prism is missing.
- The mylar film is torn. Discoloration is normal and will not affect operation.
- The black index marks at either end of the mylar film are worn off.
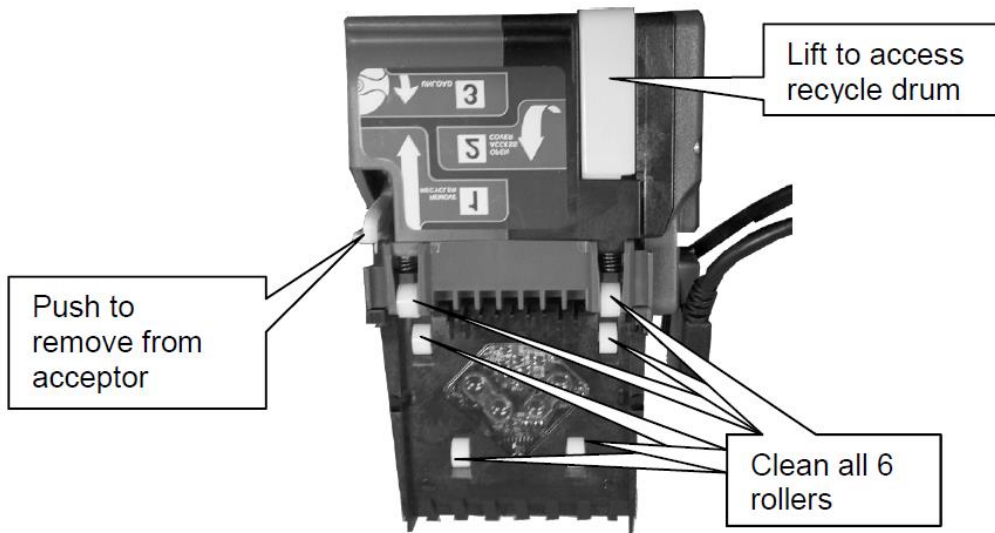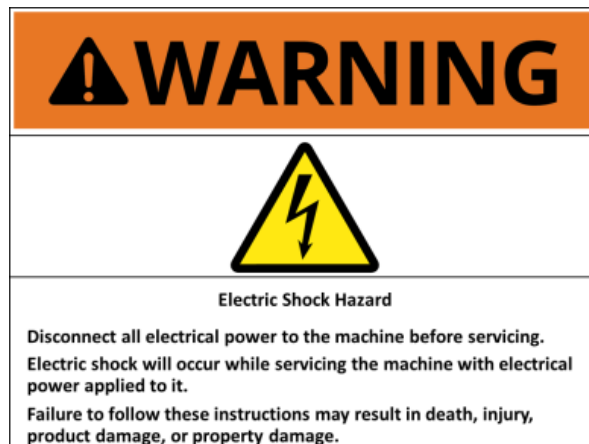- The diverter gate is hard or impossible to move as shown above in step 4.
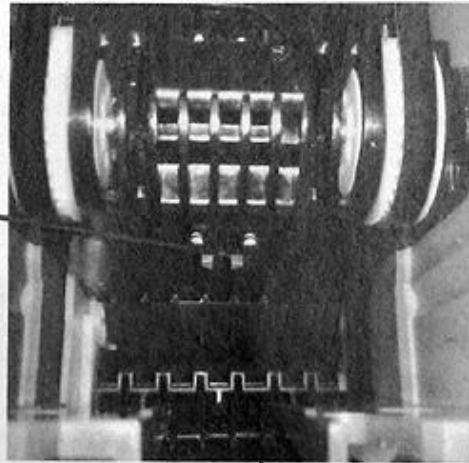
Figure 2

For More Information

Contact the www.cranepi.com for more detailed service and maintenance information.

⚠WARNING : DISCCONECT ALL ELECTRICAL POWER TO THE MACHINE BEFORE SERVICING.

Coin Hoppers

The SUZO-HAPP Evolution Hoppers are used to dispense coins and tokens. The standard hopper set up will reliably dispense United States nickel to dollar sized coins and tokens. Check for both hoppers dispensing properly.

United States dimes (10¢) and dime sized tokens

A specially designed elevator track is needed to handle the United States dime and tokens smaller than a dime. Contact American Changer for more information.

Optional Hopper Extensions

Optional hopper extensions are available that hold 4000 quarters (Part Number 22135622). Hopper extension part #22135621 holds 2000 quarters. See Page 29-32 of Parts Catalog.

Cleaning

Periodically remove hopper by sliding hopper out of the slide plate and socket. Turn the hopper upside down shaking out the dirt. Canned air or vacuum can also be used. Using a clean cloth dampened with IPA (isopropyl alcohol) wipe the debris inside of the hopper. Focus the canned air and wiping action toward the count sensor located above the coin exit area. Also us a "scrubby" type pad to wipe away accumulated dirt on the low level sensor plates at the bottom of the hopper.

Removal of the Electronics and Opto Sensor Board

All the electronics and sensors are placed on one board located behind the exit door at the side of the hopper. Slide the yellow button to the opposite position and remove the exit door where the electronics are mounted. All dirt must be cleaned with a soft moistened cloth. Isopropyl Alcohol is recommended for cleaning excessively dirty exit windows. The red LED on the exit window board will begin flashing indicating a dirty opto-sensor.

Warning: Be careful when re-inserting the board back in the hopper not to damage the cable located at the back of the board!

Opto Sensor Board

Clear Jammed Coins

Picture 1

1. Turn changer power switch "OFF".
   IMPORTANT NOTE: Turn power switch off before removing hopper.
2. Remove jammed hopper and empty contents. Watch for bent coins, nuts, bolts or washers.
3. Turn hopper upside down as shown in picture 1 above.
4. Insert medium size straight blade screwdriver into slot pushing the conveyor tracks to restore movement.
5. Install hopper and reload coin.
6. Click Recon switch and complete "Fast Recon" to restore the hopper operation.
7. If jam condition continues remove the 7 screws on side and 2 screws at the bottom of the hopper to remove the cover for access to the coin conveyor.

Check for Both Hoppers Dispensing Properly

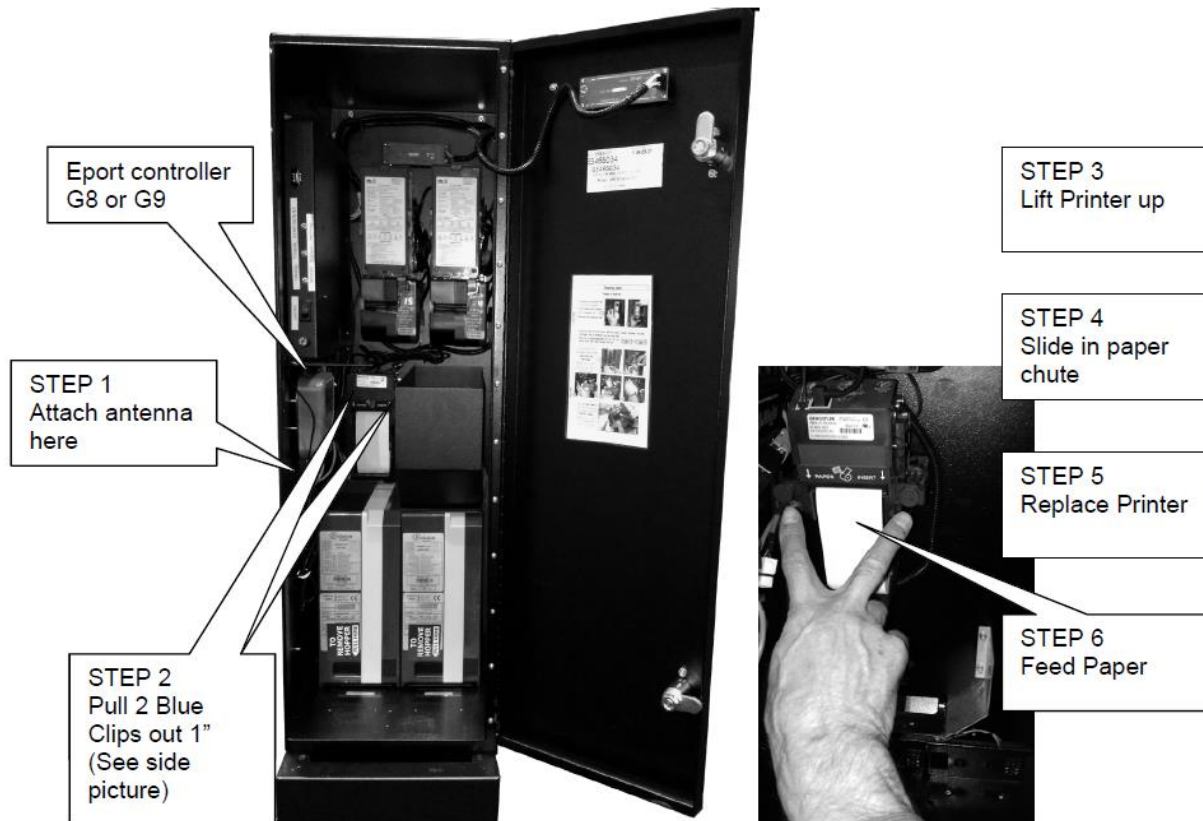If there is doubt that either hopper is working correctly, do the following:

1. Complete "Fast Recon" "Y" setting all categories to "0".
2. Test by inserting $1 bill dispensing 4 quarters, 2 quarters from each hopper.
3. Click Status switch showing that Hopper #1 and Hopper #2 both paid 50 cents.

NOTE: An adjustment to this procedure will be needed if different value coins are being dispensed from each hopper.

Bonus Tokens

Bonus Token software is needed in order to handle bonus tokens. Contact your distributor or technical support to obtain this software. Bonus token quantities can be simply programmed following the steps on page 14 by indicationg the number of tokens and then value to be dispensed from hopper #1 or hopper #2.

Eport controller
G8 or G9

STEP 1
Attach antenna
here

STEP 2
Pull 2 Blue
Clips out 1"
(See side
picture)

STEP 3
Lift Printer up

STEP 4
Slide in paper
chute

STEP 5
Replace Printer

STEP 6
Feed Paper

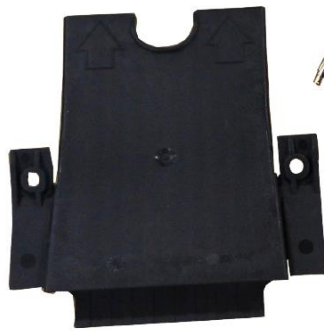# USA Technologies Credit Card System Set Up

- • Install Antenna
- • Install Paper (Optional)
- • Credit Card Receipt
- • Bonus Tokens

IMPORTANT NOTE:
Be sure to save the small box labeled "SAVE PARTS". This box contains the antenna, paper track and paper roll.

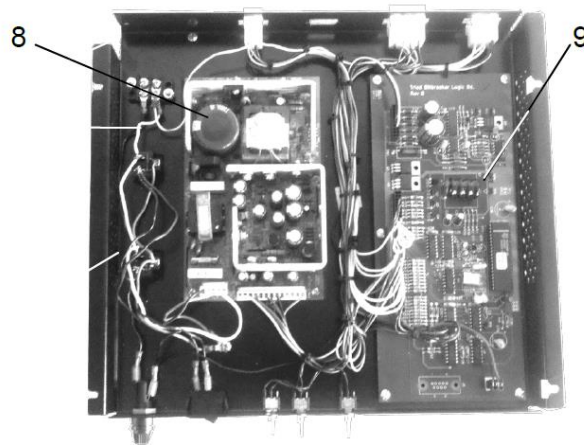Paper Roll   Paper Track   Antenna
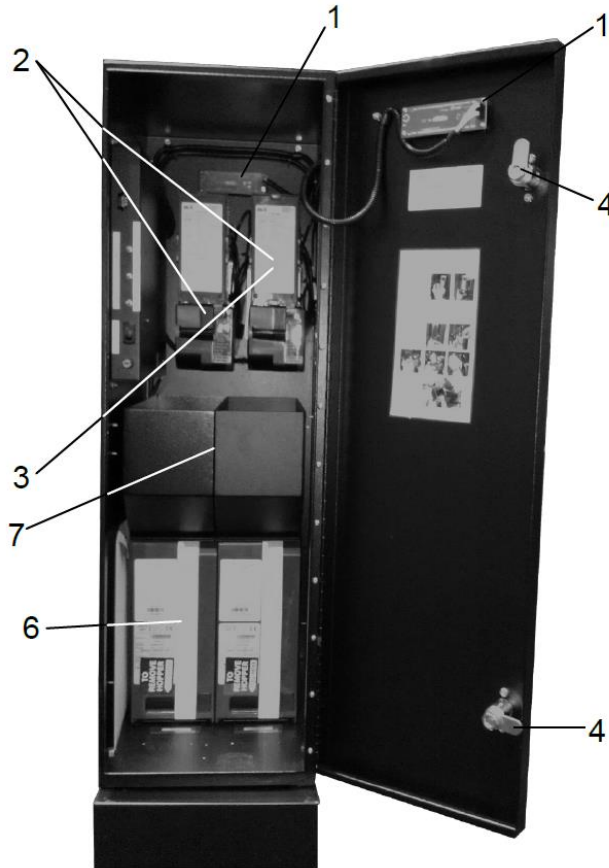
Model 400 Parts Catalog
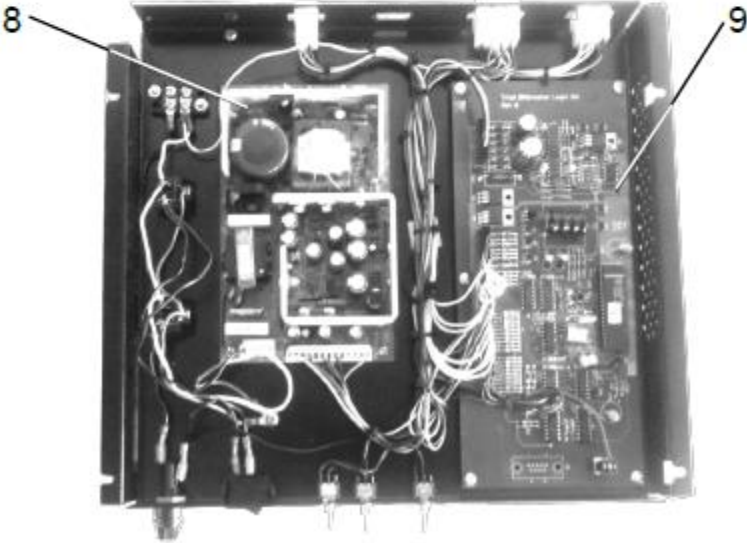## 400 RL - Rear Load with 2-MEI VNR, and 2 coin hoppers

400 RL (Rear Load with 2-MEI VNR, and 2 coin hoppers)

Ref.	Part No.	Description	Qty
		Cabinet Assembly Internal View	
1	22196101	Display	2
2	22135618	MEI Recycler VN2700R with compact bezel with 500 Bill Box	2
	22135619	**Optional** MEI Recycler VNR with high visibility bezel with 500 Bill Box	2
3	22135607	**Optional** Mars 2612 Bill Acceptor $1, 2, 5, 10, 20 with 500 Bill Box	2
	HW836101	**Optional** 700 Bill Box (Not Shown)	
	35177001	**Optional** 1000 Bill Box (Not Shown)	
4	35027809	T-Handle Assembly with Hardware	2
	25223407	Lock Cylinder with 2 Keys	2
		Optional Due (Medeco – Type) Key & Lock Cylinder (Not Shown)	
5	22199701	Power Cord (Not Shown)	1
6	22003301	Coin Hoppers (Each hold approx. 1600 U.S. quarters.)	1 or 2
7	22135622	**Optional** 8" Hopper extension holds approx. 4000 U.S. quarters	1 or 2
		Hopper and large extension together hold approx. 5600 U.S. quarters	
	22132621	**Optional** 4" Hopper extension holds approx. 2000 U.S. quarters	1
8	22196301	Power Supply	1
9	22196904	Logic Printed Circuit Board	1

IMPORTANT NOTE:
When ordering logic board #22196904 be sure to specify the machine serial number. For example:
Serial number #1875, so the correct software can be installed on the logic board.

---

400 FL - Front Load with 2-MEI VNR, and 2 coin hoppers and optional mounting base
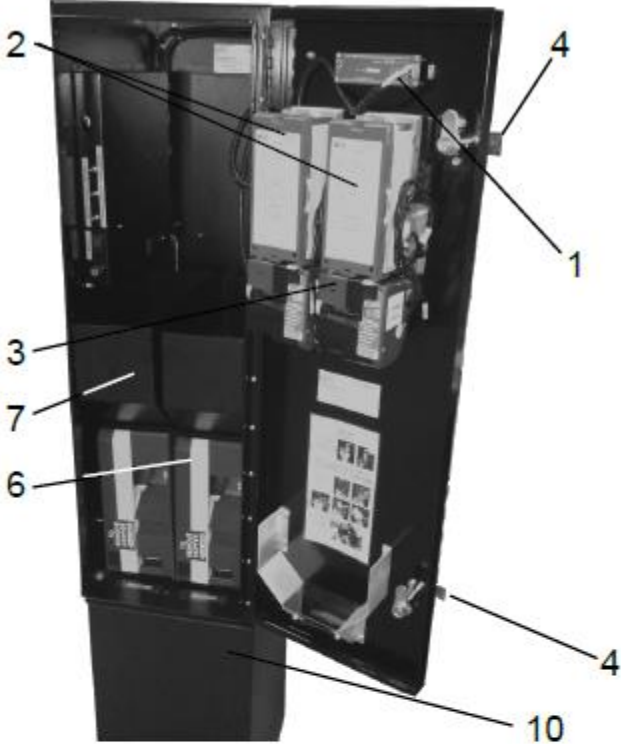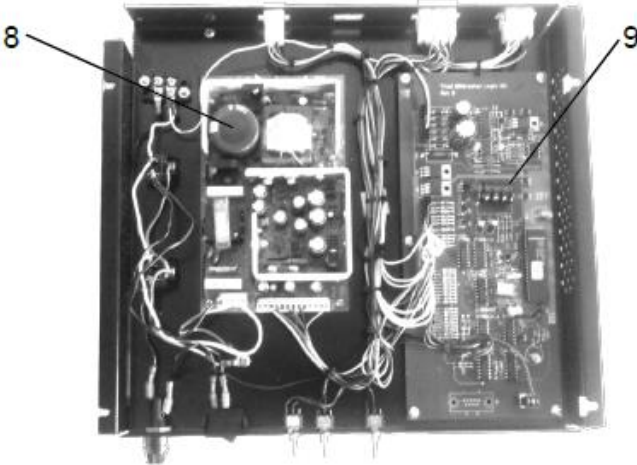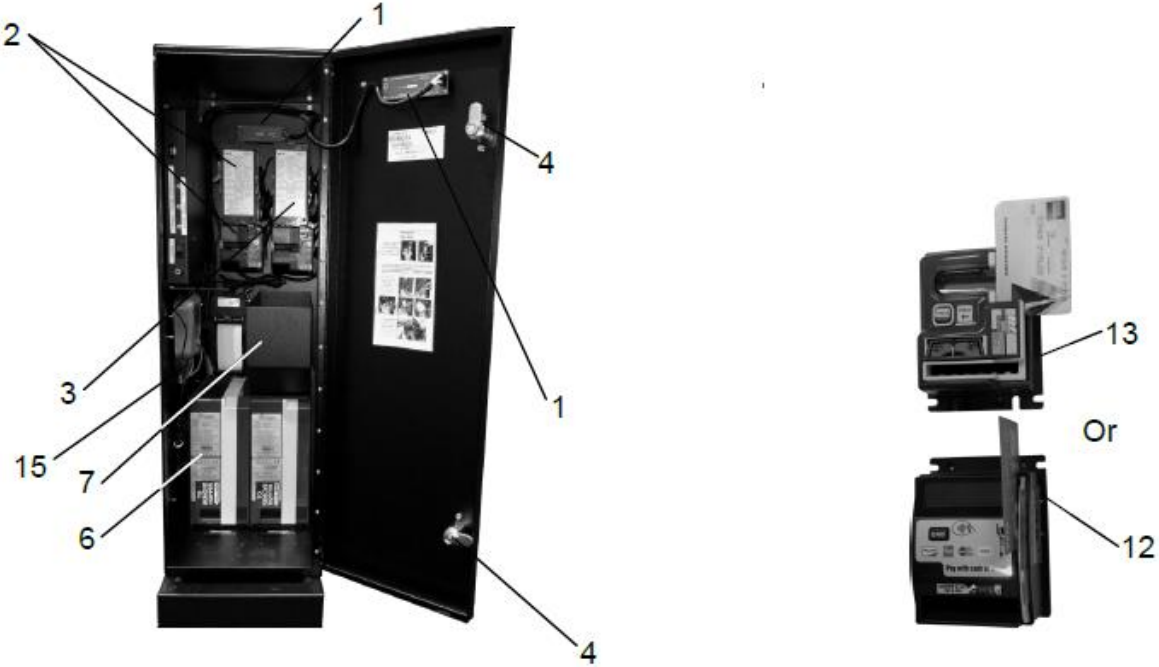
400 FL - Front Load with 2-MEI VNR, and 2 coin hoppers

Ref.	Part No.	Description	Qty
		Cabinet Assembly Internal View	
1	22196101	Display	2
2	22135618	**Optional** MEI Recycler VN2700R with compact bezel with 500 Bill Box	2
	22135619	MEI Recycler VNR with high visibility bezel with 500 Bill Box	2
3	22135607	**Optional** Mars 2612 Bill Acceptor $1, 2, 5, 10, 20 with 500 Bill Box	2
	HW836101	**Optional** 700 Bill Box (Not Shown)	
	35177001	**Optional** 1000 Bill Box (Not Shown)	
4	35027809	T-Handle Assembly with Hardware	2
	25223407	Lock Cylinder with 2 Keys	2
		Optional Due (Medeco – Type) Key & Lock Cylinder (Not Shown)	
5	22199701	Power Cord (Not Shown)	1
6	22003301	Coin Hoppers (Each hold approx. 1600 U.S. quarters.)	1 or 2
7	22135622	**Optional** 8" Hopper extension holds approx. 4000 U.S. quarters	1 or 2
		Hopper and large extension together hold approx. 5600 U.S. quarters	
	22132621	**Optional** 4" Hopper extension holds approx. 2000 U.S. quarters	1
8	22196301	Power Supply	1
9	22196904	Logic Printed Circuit Board	1
10	22200602	**Optional** Mounting Base	1
	NOT SHOWN		
	2220603	**Optional** Top Filler	1

IMPORTANT NOTE:
When ordering logic board #22196904 be sure to specify the machine serial number. For example: Serial number #1875, so the correct software can be installed on the logic board.

400 RL - Rear Load with USA Technology Credit Card System, 2-MEI 2612, or 2-MEI VNR and 2 coin hoppers, printer.

400 RL - Rear Load with USA Technology Credit Card System, 2-MEI 2612, or 2-MEI VNR and 2 coin hoppers, printer.

Ref.	Part No.	Description	Qty
		Cabinet Assembly Internal View	
1	22196101	Display	2
2	22135618	MEI Recycler VN2700R with compact bezel with 500 Bill Box	2
	22135619	**Optional** MEI Recycler VNR with high visibility bezel with 500 Bill Box	2
3	22135607	**Optional** Mars 2612 Bill Acceptor $1, 2, 5, 10, 20 with 500 Bill Box	2
	HW836101	**Optional** 700 Bill Box (Not Shown)	
	35177001	**Optional** 1000 Bill Box (Not Shown)	
4	35027809	T-Handle Assembly with Hardware	2
	25223407	Lock Cylinder with 2 Keys	2
		Optional Due (Medeco – Type) Key & Lock Cylinder (Not Shown)	
5	22199701	Power Cord (Not Shown)	1
6	22003301	Coin Hoppers (Each hold approx. 1600 U.S. quarters.)	1 or 2
7	22135622	**Optional** 8" Hopper extension holds approx. 4000 U.S. quarters	1 or 2
		Hopper and large extension together hold approx. 5600 U.S. quarters	
	22132621	**Optional** 4" Hopper extension holds approx. 2000 U.S. quarters	1
8	22196301	Power Supply	1
9	22196904	Logic Printed Circuit Board	1

IMPORTANT NOTE:
When ordering logic board #22196904 be sure to specify the machine serial number. For example: Serial number #1875, so the correct software can be installed on the logic board.

10	22304503	USA Technologies wireless G8 controller-changers shipped prior to Jan. 1, 2015	1
11	22304510	USA Technologies wireless G9 controller-changers shipped after Jan. 1, 2015	1
	-	**Optional** External customer receipt printer	1
12	-	**Optional** Credit Card Swipe & Bill Acceptor Bezel	1
13	22303601	Credit Card Swipe & Bill Acceptor bezel	1
14	-	**Optional** High Gain Antenna	1
15	-	**Optional** External Receipt Printer	1

OPTIONAL INTERNAL PRINTER

Ref.	Part No.	Description	Qty
	22199201	Printer Assembly includes all items below	
1	22199901	Paper Roll 2.25" W x 2" Diameter	1
2		Citizen Dot-Impact Printer (optional) with User's Manual	1
3	22200101	Ribbon Cassette – Black	1
4	22196301	Power Supply (Input 120 VAC., 60 Hz, 20 W) (Output: DC 7.0V, 1.6A)	1

Warranty Terms and Conditions

LIMITED WARRANTY AND EXCLUSIVE REMEDIES – The goods delivered hereunder are subject to the terms of American Changer Corporation's (Seller or Seller's) Limited Warranty provided with the deliverable, or if there is no such warranty, the terms set forth herein. In the event of any inconsistency between the written warranty provided with deliverable, and the description of the warranty set forth herein, the written warranty shall govern.

Seller warrants that its new products and parts are free from defects in material or workmanship in normal use for one year from the date of shipment by Seller. In addition, this warranty will be extended for a second year for Bill Validators. Refurbished parts carry a six-month warranty from date of shipment by Seller.

Seller will furnish without charge, F.O.B. Fort Lauderdale, repair or replacement of any defective part qualifying for repair and/or replacement under the terms of its warranty, within one year of the date of delivery. Any transportation, diagnosis calls, or similar expenses are not included. The warranty for any replacement part will only apply to the remainder of the warranty period.

This warranty may not be changed or modified without the consent of an Executive Officer of Seller.

To make a claim under this warranty, Buyer must call Seller's Service Department and provide the model number and serial number of the goods. If the goods were purchased from a reseller, Buyer must provide the name, address and telephone number of the reseller. Seller reserves the right to request proof that the reseller purc the goods from the Seller.

Seller's Limited Warranty does not cover damage caused by: (I) shipping or physical abuse; (II), misapplication or misuse including improper installation, startup, storage, or failure to comply with any instructions for use set forth in the owner's manual supplied with the goods, or use, storage or operation of the goods in a manner that fails to comply with all applicable laws, rules and regulations, including, without limitation, any local labeling requirements or labeling required under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (also known as "Proposition 65") and its implementing regulations; (III) failure to perform necessary maintenance and cleaning in accordance with the owner's manual provided with the goods or comply with all applicable law or regulation, all applicable labeling requirements (IV) power surges, improper electrical supply and/or lightning strike; (V) operation, use or storage of goods in weather or outdoor conditions which do not comply with the guidelines set forth in the owner's manual supplied with the goods; and (VI) fires, floods, or other casualty or Acts of God outside of Seller's control.

This warranty is void if: (I) repairs and/or replacement are performed by anyone other than Seller or a qualified repair technician; (II) the goods were purchased in a used condition or not in the original packaging; (III) the goods have any defects or damage due to any alterations, or damage caused by improper electrical supply, shipping and handling, fire, flood, misuse, vandalism, or any other condition or event outside of Seller's control, or the goods are used, stored or operated in a manner that fails to comply with any applicable law, rule, or regulation,

including, without limitation any local labeling requirements or labeling required under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (also known as "Proposition 65") and its implementing regulations; (IV) the failure to clean and maintain the product in accordance with the owner's manual supplied with the goods or comply with all applicable law and regulations and any applicable labeling requirements; (V) the goods are operated, used, or stored in weather or outdoor conditions which do not comply with the guidelines set forth in the owner's manual.

The owner is responsible for: (I) using the goods supplied by the Seller in accordance with the installation, start-up, use, storage, inspection, and service requirements, and all other instructions set forth in the owner's manual supplied with the goods; (II) providing normal cleaning and maintenance in accordance with the owner's manual supplied with the goods; (III) operating, using, and storing the goods in accordance with the owner's manual supplied with the goods and in compliance with all applicable laws, rules, or regulations, including any local labeling requirements or labeling required under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (also known as "Proposition 65") and its implementing regulations; (IV) contacting American Changer during the warranty period to obtain a Return Material Authorization to make a claim under this warranty; (V) providing proof of purchase if requested, and if the goods were purchased from a reseller, the name, address, and telephone number of the reseller; (VI) providing any other information American Changer may reasonably request to confirm that the goods are eligible for repair/replacement under this warranty; (VII) paying for any repairs or replacement of parts outside the scope of this warranty; (VIII) paying any shipping costs.

ENTIRE WARRANTY

THIS WARRANTY CONSTITUTES THE EXCLUSIVE REMEDY OF THE PURCHASER AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE TO THE EXTENT PERMITTED BY LAW.

SELLER EXPRESSLY DISCLAIMS ALL LIABILITY ARISING OUT OF THE THEFT, MISAPPROPRIATION, OR MISUSE OF ANY PERSONAL FINANCIAL INFORMATION OF AN END USER OF THE GOODS, INCLUDING, BUT NOT LIMITED TO, CREDIT CARD AND/OR DEBIT CARD NUMBERS, PERSONAL IDENTIFICATION NUMBERS, PERSONAL PASSWORDS OR PASSCODES, OR OTHER SIMILAR PERSONAL INFORMATION OF THE USER OF THE GOODS.

IN NO EVENT SHALL AMERICAN CHANGER BE LIABLE TO BUYER UNDER THIS WARRANTY FOR AN AMOUNT WHICH EXCEEDS THE PURCHASE PRICE OF THE GOODS.

IN NO EVENT SHALL AMERICAN CHANGER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOST PROFITS, OR FOR DAMAGES ARISING OUT OF BUYER'S INSTALLATION, OPERATION OR STOREAGE OF THE GOODS IN A MANNER THAT FAILS TO COMPLY WITH ANY APPLICABLE LAW, RULE, OR REGULATION, INCLUDING ANY LABELING LAW, RULE OR REGULATION INCLUDING, WITHOUT LIMITATION, CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 (ALSO KNOWN AS "PROPOSITION 65") AND ITS IMPLEMENTING REGULATIONS.

SELLER EXPRESSLY DISCLAIMS ALL GUARANTEES AND/OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OR USEFUL LIFE.

LIMITATIONS OF DAMAGES – Seller's liability for any loss or damage arising out of, or resulting from, any breach or default by Seller in connection with the sale of goods hereunder, shall not exceed the purchase price thereof, regardless of whether such liability arises in contract, tort (including, without limitation, negligence or strict liability) or otherwise, and in no event shall Seller be liable for incidental or consequential damages of any kind or for lost profits.

Buyer is solely responsible for installing, storing, operating and maintaining the goods delivered hereunder in compliance with all applicable laws, rules and regulations, and any local labeling requirements or labeling required under California's Safe Drinking Water and Toxic Enforcement Act of 1986 (also known as "Proposition 65") and its implementing regulations. In no event shall Seller be liable for Buyer's failure to install, store, operate or maintain the goods in compliance with any applicable law, rule or regulation.

<u>WARRANTY FORM</u>

The Warranty Form must be filled out completely and mailed to:

American Changer Corp.

1400 NW 65th Place

Ft. Lauderdale, FL 33309

Attention: Extended Warranty Department

<u>Machine Information</u>

Machine Model & Serial Number: _____

Validator Serial Number: _____

Validator Serial Number: _____

Hopper Serial Number: _____

Hopper Serial Number: _____

Logic Board Serial Number: _____

Coin Mechanism Serial Number: _____

Your Name: _____

Company Name: _____

Billing Address: _____

Billing Address: _____

City: _____

State and Zip Code: _____

Phone Number: _____

Email Address: _____

Note: The purpose of this form is to enter your information in our customer database. This information will not be shared with anyone outside of American Changer Corp. It will be used to inform you of equipment upgrades.