

# **Hamilton Manufacturing Corporation**

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## **Gold Line® 1200FL Changer Operational Manual**

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# ABOUT THIS MANUAL

This manual will provide the operator with important information about installing and maintaining the 1200FL Changer. General information is provided for the Hopper, Validator, Stacker, and Controller. However, if additional information is needed for these components, please refer to the appropriate manual. To obtain assistance from the manufacturer, please call (800) 837-5561 or (419) 867-4858.

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

1200FL SERIAL # \_\_\_\_\_

VALIDATOR SERIAL # \_\_\_\_\_

STACKER SERIAL # \_\_\_\_\_

HOPPER SERIAL # \_\_\_\_\_

CONTROLLER SERIAL # \_\_\_\_\_

KEY / LOCK # \_\_\_\_\_

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

# **I. INTRODUCTION**

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The Gold Line® 1200FL Front Load Series Changers have been redesigned to accommodate a variety of options. You may choose from the Hamilton STA or XE Validators, or Coinco®, Mars® or Cashcode® manufactured bill acceptors. The option of coin acceptance is now available for these machines using either a Slugbuster® or IDX® Coin Acceptor. The Audit Pro 2000 is also an option to program a variety of payout combinations and offers auditing capabilities and with the thermal printer, complete transaction reporting.

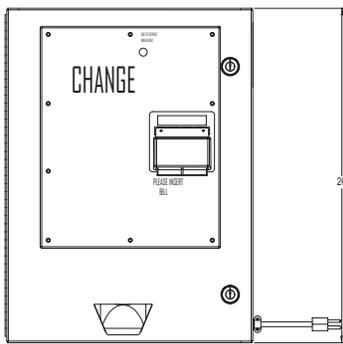
The 1200FL-S features an all stainless steel cabinet and two heavy duty Medeco® plug locks for rugged durability and added security. The 1200FL-C is our carbon steel model with the same features and options as the 1200FL-S.

# II. INSTALLATION

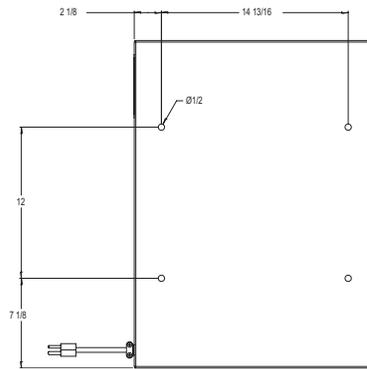
## MOUNTING

Cabinets are pre-drilled for wall mounting or mounting on an optional base. Bases are pre-drilled for securing to the floor. Do not use leveling screws when fastening to the floor. Changers mounted on bases should be securely fastened to both the floor and the wall. Fasteners to be used should be recommended by your engineer as to strength and suitability for floor and wall composition. Hamilton will not be responsible for injury due to improper installation.

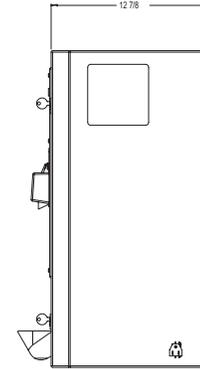
CABINET: 26"H x 19-1/8"W x 12-7/8"D



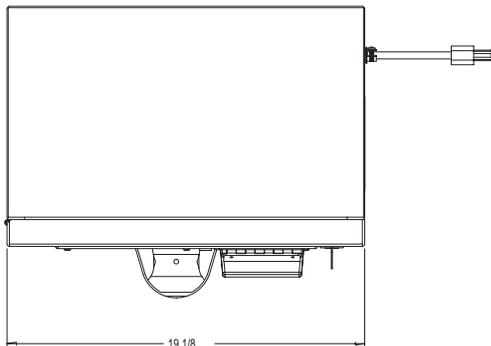
Front View



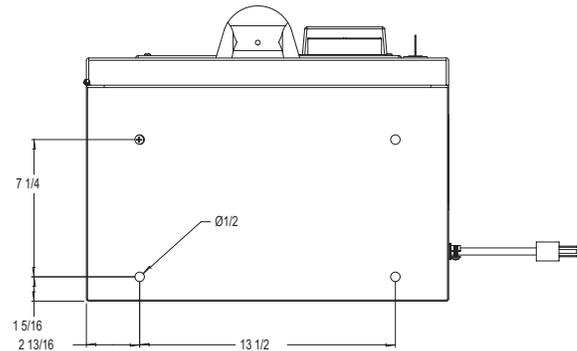
Rear View



Side View



Top View



Bottom View

## ***ELECTRICAL***

This currency changer operates on 120 VAC, 60 Hz. This changer uses a 5 AMP circuit breaker. Unit may be hard-wired with conduit if desired.

A GROUND FAULT INTERRUPTER IS REQUIRED. The recommended Ground Fault Interrupter should have the following specifications:

- 120 VAC
- 15 AMP
- 6-10mA trip level
- **Should not trip when power is removed from circuit.**

# III. MAINTENANCE

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**CAUTION!** Do not use oil, grease or solvents on any part of this changer except as clearly specified in this manual, the hopper manual, the validator manual or the stacker manual.

## **HOPPER**

Any lubrication in the hopper can result in a faulty payout. Clean hopper once every month. Empty coins and vacuum. Use a soft brush to loosen dirt. (Refer to hopper manual for details on maintenance.)

## **VALIDATOR**

Refer to the validator manual for lubrication instructions and all other information. THE VALIDATOR SHOULD BE SERVICED ANNUALLY TO MAINTAIN MAXIMUM PERFORMANCE. THIS WORK SHOULD ONLY BE DONE BY A TRAINED TECHNICIAN.

## **STACKER**

Refer to the stacker manual for lubrication instructions and all other information.

## **CONTROLLER**

The microprocessor based Hamilton C2000 Controller monitors the systems of the 1200FL-C and 1200FL-S Bill Changers. If a problem is detected, the controller will shut down and display the appropriate error code. (Refer to the C2000 Operation Manual for error codes.)

The twelve DIP switches located near the computer reset button select the payback of coins on multi-hopper change units. There is no need to change these switch settings on a typical model 1200FL-S or 1200FL-C bill to quarter changer, they are set to the payout arranged when the order was placed with Hamilton. Included with this particular model changer. Please remember that the coin hoppers may not have the proper coin wheel. These switches are to remain in positions set at the factory unless you are not satisfied with the current payout setting. If none of these settings are suitable to your needs, contact Hamilton Mfg. for assistance. **YOU MUST HAVE THE CONTROLLER MODEL NUMBER READY.**

# IV. PARTS

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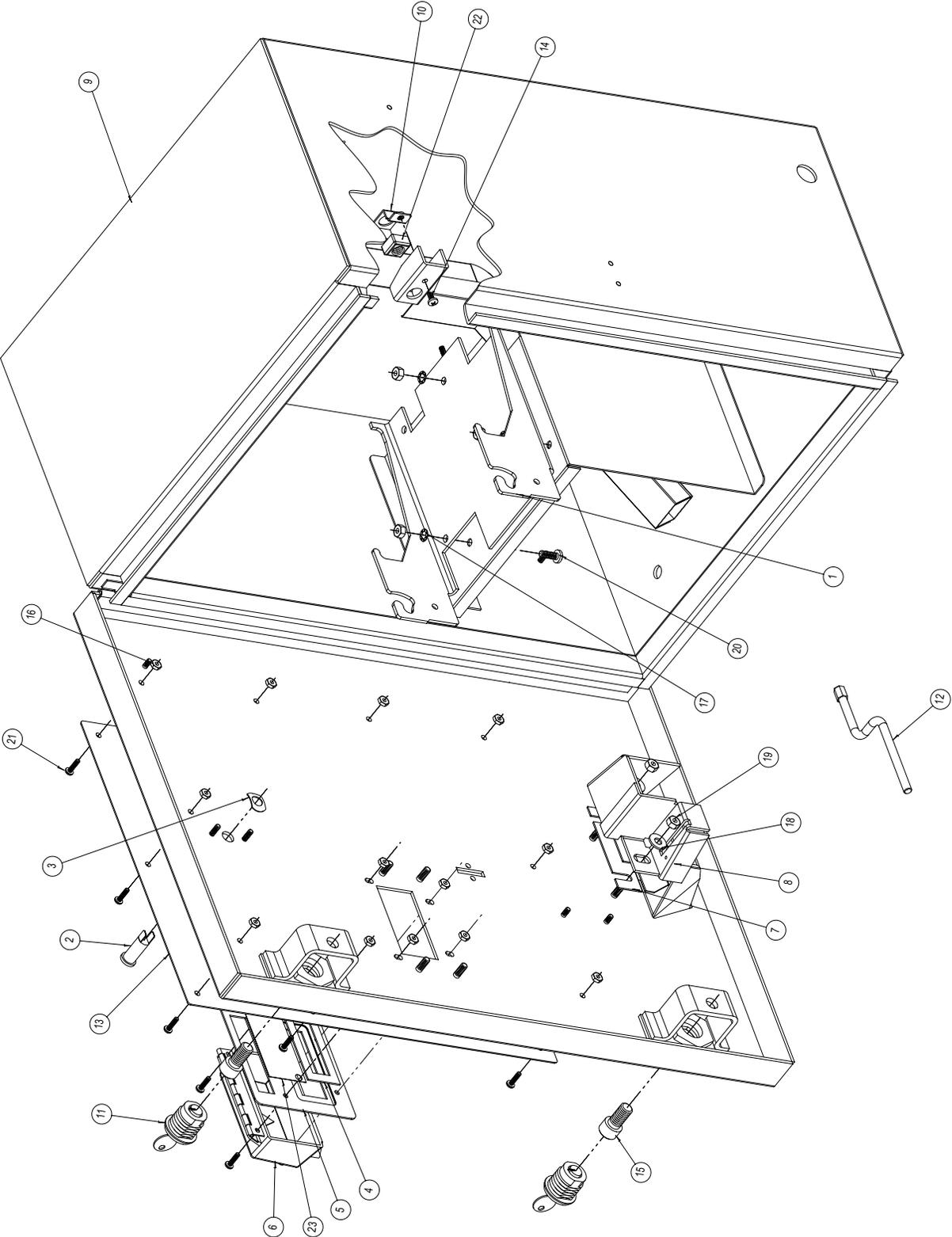
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## **Cabinet Assembly Part List**

See page 9 for the corresponding diagram.

| <b>INDEX #</b> | <b>PART #</b> | <b>DESCRIPTION</b>         | <b>QTY.</b> |
|----------------|---------------|----------------------------|-------------|
| 1              | 11-0033       | HOPPER SUPPORT             | 1           |
| 2              | 47-0080       | OUT OF SERVICE LIGHT       | 1           |
| 3              | 47-0080A      | TINNERMAN SPEED NUT        | 1           |
| 4              | 60-0282       | HV SLIDER                  | 1           |
| 5              | 60-0284       | HV FACE PLATE              | 1           |
| 6              | 60-0318A      | RAINSHIELD ASSM.           | 1           |
| 7              | 60-0359       | FLIPPER, ACW ACCESS SHIELD | 1           |
| 8              | 60-2217       | ACCESS SHIELD, 1200FL      | 1           |
| 9              | 61-2145       | CABINET, 1200FL-S          | 1           |
| 10             | 61-2153       | LOCK BRACKET               | 2           |
| 11             | 63-5002       | LOCK PAIR COMPLETE         | 1           |
| 12             | 63-5040       | LOCK CRANK                 | 1           |
| 13             | 63-5107       | LEXAN, 1200FL              | 1           |
| 14             | 90-0148       | SCREW, #10-24 X 3/8        | 2           |
| 15             | 90-0275       | BOLT, LOCK                 | 2           |
| 16             | 90-0321       | NUT, #8 NYLON              | 13          |
| 17             | 90-0403       | WASHER, #1/4 INTERNAL LOCK | 3           |
| 18             | 90-0429       | WASHER, 1/4 X 3/4          | 2           |
| 19             | 90-0331       | NUT, #1/4-21               | 5           |
| 20             | 90-0334       | SCREW, #1/4-20 X 3/4 P.H.  | 3           |
| 21             | 90-0517       | STUD, #8-32 X 5/8 BALL     | 13          |
| 22             | 90-9060       | NUT, 1/2-13 SQUARE         | 2           |
| 23             | 96-0096       | ACETATE PRICE PACK         | 3           |

# Cabinet Assembly Part Diagram

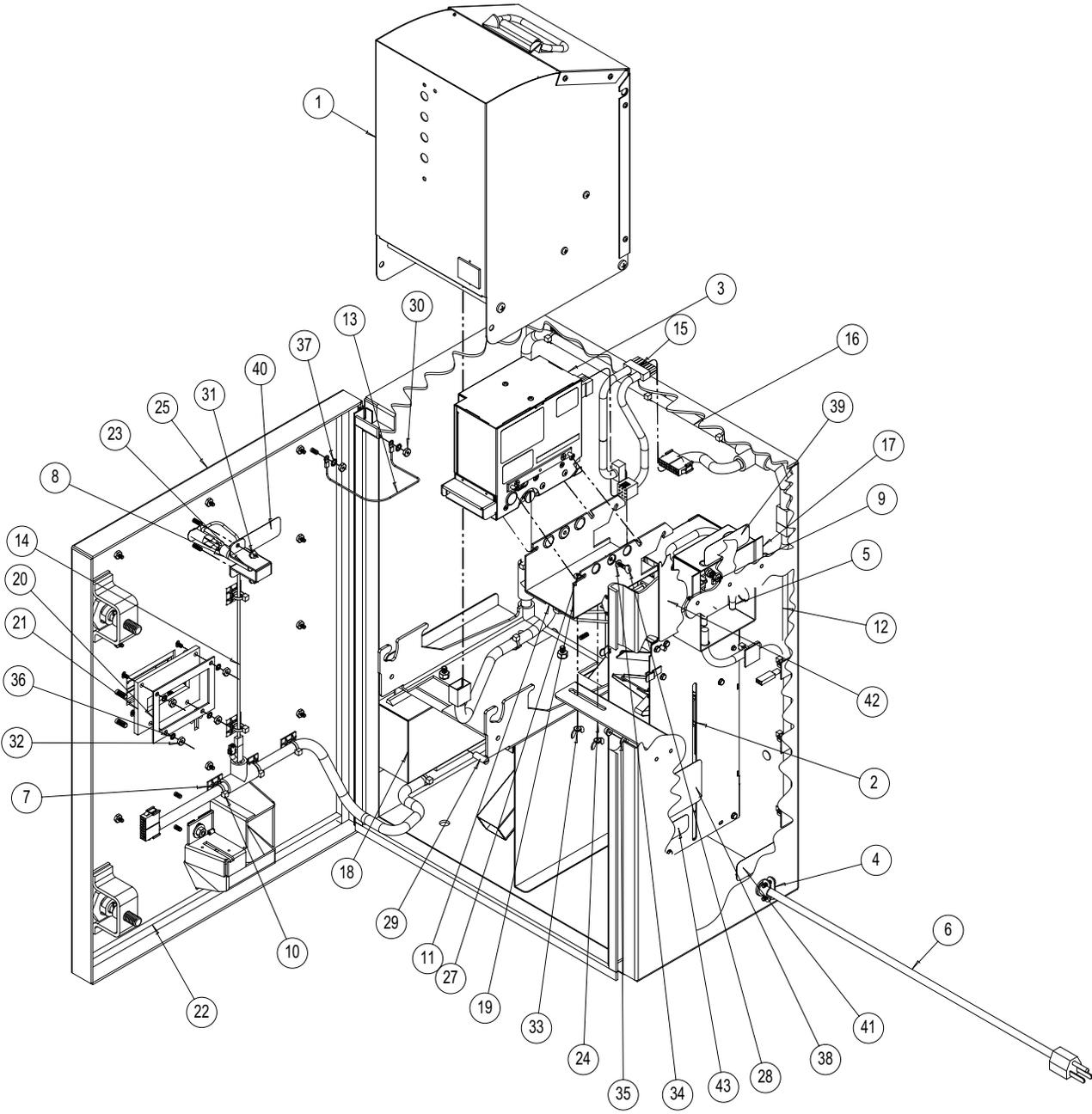


## Internal Part List

See page 11 for the corresponding diagram.

| INDEX # | PART #     | DESCRIPTION                  | QTY. |
|---------|------------|------------------------------|------|
| 1       | 11-0100    | HOPPER, QUARTER              | 1    |
| 2       | 36-0036    | STACKER, SINGLE              | 1    |
| 3       | 46-4000    | XE VALIDATOR                 | 1    |
| 4       | 47-0029    | CONDUIT CONNECTION           | 1    |
| 5       | 47-0200    | WIRE NUT, YELLOW             | 2    |
| 6       | 47-0217    | LINE CORD, VENDING           | 1    |
| 7       | 47-0232    | CLAMP CABLE PANDUIT          | 17   |
| 8       | 47-0261    | SLEEVING, BLACK 1/2"         | 0.25 |
| 9       | 47-0269    | RING TERMINAL                | 1    |
| 10      | 47-0275    | CABLE TIE, 6"                | 18   |
| 11      | 48-0006A   | HEATER ASSEMBLY              | 1    |
| 12      | 48-0050    | HARNESS, POWER BOX EXTENSION | 1    |
| 13      | 48-0051B   | HARNESS, GROUND              | 1    |
| 14      | 48-0090    | HARNESS, MEDIUM EMPTY        | 1    |
| 15      | 48-3107    | HARNESS, X                   | 1    |
| 16      | 48-3132    | HARNESS, MAIN 1200FL         | 1    |
| 17      | 49-1022CLR | POWER BOX, 5 AMP             | 1    |
| 18      | 49-2000A   | CONTROLLER, C2000            | 1    |
| 19      | 60-0115    | BRACKET, VALIDATOR N/S FL    | 1    |
| 20      | 60-0242    | BRACKET, VALIDATOR SEAL      | 1    |
| 21      | 60-0243    | SEAL, CLAMPING               | 1    |
| 22      | 60-0246    | WEATHER SEAL, FOAM           | 7.5  |
| 23      | 60-2049    | EMPTY LIGHT COVER            | 1    |
| 24      | 60-2219    | BRACKET, VALIDATOR SUPPORT   | 1    |
| 25      | 61-2215    | CABINET PREP ASSEMBLY        | 1    |
|         | 90-0142    | SCREW, #8-32 X 1/4"          | 3    |
| 27      | 90-0148    | SCREW, #10-24 X 3/8"         | 2    |
| 28      | 90-0248    | THUMB SCREW, #8-32 X 3/8"    | 1    |
| 29      | 90-0252    | CONTROLLER MOUNTING STUD     | 1    |
| 30      | 90-0301    | NUT, #10-24 HEX              | 4    |
| 31      | 90-0302    | NUT, #10-24 NYLON LOCK       | 6    |
| 32      | 90-0319    | NUT, #8-32 HEX               | 4    |
| 33      | 90-0327    | NUT, #10 WING                | 2    |
| 34      | 90-0416    | WASHER, #8 BRASS             | 1    |
| 35      | 90-0248    | WASHER, #10                  | 2    |
| 36      | 90-0611    | WASHER, #8 INTERNAL LOCK     | 4    |
| 37      | 90-0612    | WASHER, #10 INTERNAL LOCK    | 6    |
| 38      | 96-0106    | DECAL, MODEL #, SERIAL #     | 1    |
| 39      | 96-0112    | DECAL, DISCONNECT POWER      | 1    |
| 40      | 96-0114    | DECAL, OUTDOOR USE           | 1    |
| 41      | 96-0116    | DECAL, CONDUIT CONNECT       | 1    |
| 42      | 96-0135    | DECAL, TIP OVER WARNING      | 1    |
| 43      | 96-2016    | DECAL, INSPECTED BY          | 1    |

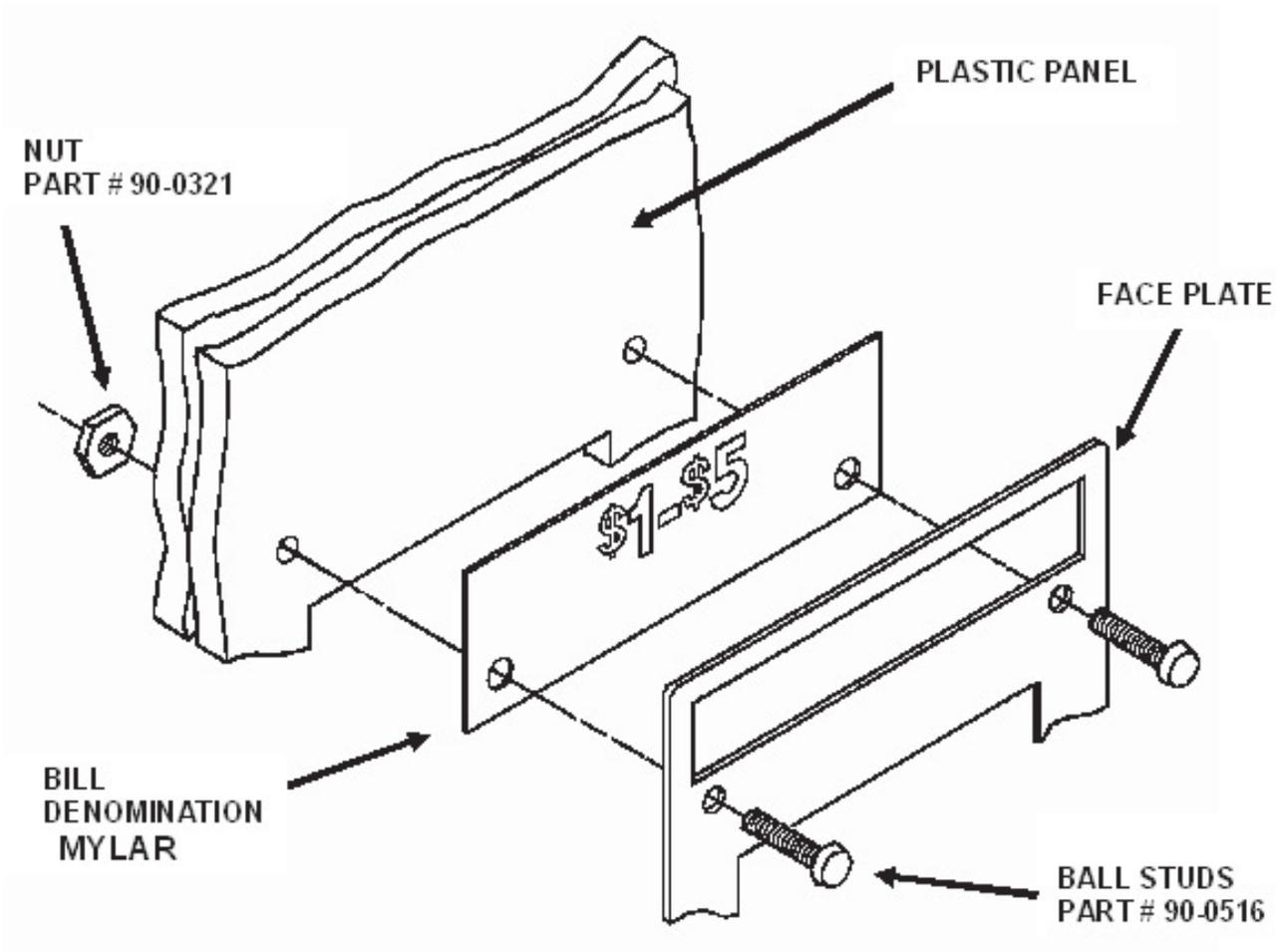
# Internal Parts Diagram





# APPENDIX B

## BILL DENOMINATION MYLAR INSTALLATION INSTRUCTIONS



1. Loosen and remove the NUTS from the BALL STUDS.
2. Remove the BALL STUDS from the FACE PLATE.
3. Insert the BILL DENOMINATION MYLAR between the FACE PLATE and the PLASTIC PANEL until the holes in the BILL DENOMINATION MYLAR line up with the holes in the FACE PLATE.
4. Reinsert the BALL STUDS into the front of the FACE PLATE, through the BILL DENOMINATION MYLAR and the PLASTIC PANEL.
5. Replace the NUTS on the BALL STUDS and tighten.

# 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.
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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 non-conforming 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 Corporation**

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