

## PRODUCT LOADING

All product loading is accomplished from the front. Using one of the two keys provided, open the service door in the top of the machine. This provides access to all dispensers.

To load any dispenser, pull and lift the cover bar assembly and gently pull the helical conveyor out of its socket, (see FIG.1). Hold it by the front tip and load all new products face forward over the rear hub to maintain a "first out" product flow. After loading, there should be one product on each position of the conveyor (see FIG. 2).

To insert loaded conveyor, lift up the cover bar assembly and push firmly into the motor socket until a "snap" is felt. This "snap" is the detent spring engaging, which assures the conveyor is fully seated and cannot fall out. Pull and lower the cover bar so the pin is reinserted into the large end of the spindle.

The procedure is repeated for each dispenser until the machine is fully loaded.



FIG. 1



FIG. 2

## PRICE SETTING INSTRUCTIONS

### FOR MODELS

1. Open the coin equipment sliding door and locate the controller board directly above the coin changer.
2. Push mode switch "A" and release. (See controller on opposite page.) \*For MARS Changer see below.
3. Depress #1 selector switch button.  
It will display the current price setting, press again and the price will increase in nickle increments, release button for two seconds and redepess the button and the price will decline in nickle increments. When the desired price setting is reached, release the button and repeat the procedure for each of the other selections. Vendor will automatically return to sales mode 25 seconds after last selection has been set. DO NOT forget to label the end of the cover bar with appropriate price sticker.
4. To free vend or test vend a selection.  
You must push the mode switch "A" then push the free vend switch "B", then push the selector button number on the selector switch.

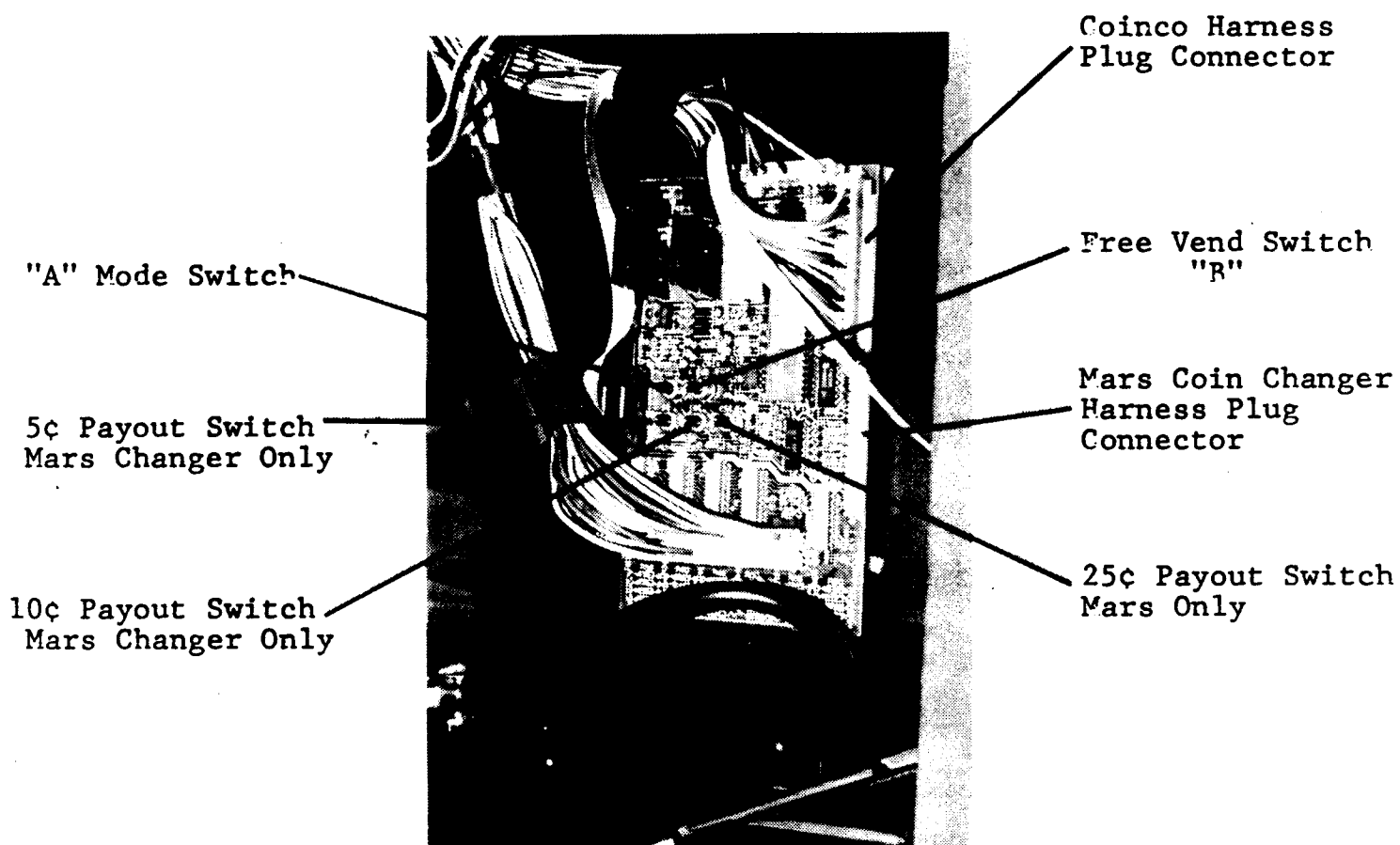
NOTE: The mode switch and free vend switch must be pushed each time you free vend the machine.

- \* For machines with the Mars 5010 changer, you must hold the mode switch on for 3 to 5 seconds before the machine will enter the mode function. This will be necessary for price setting, interogation, or for free vend operation.

See photo of controller on opposite page.

CONTROLLER BOARD ASSEMBLY

P/N 17314



## TROUBLE SHOOTING

- . MACHINE WILL NOT ACCEPT COINS
- . Make sure it is plugged into the wall outlet. (Look to see if fluorescent lamp is on.) Switch is at end of lamp assembly.
- . Check for credit on the machine by attempting a selection.
- . Check machine for leveling. (Such a condition can cause rejected coin to drop through rejector mechanism.)
- . Check type of coin changer in machine. It must be a 24 volt Coinco C-300 or MARS 5010. If not replace.
- . Check to make sure that coin return lever is fully released. If it is not releasing, clear and repair or replace acceptor mechanism.
- . Manually rotate dispensing conveyor #9 counter clockwise. If it electrically picks up power and completes one cycle, repeat for dispensing conveyor #1. If #1 fails to operate, the ladder circuit between #9 and #1 is broken. Locate break by testing each dispenser in order, beginning with #9, #8 #7, etc., until the first dead position is found. This dead dispenser motor assembly, the next higher number assembly, or wiring between the two is faulty.
- . If dispenser #9 did not complete its cycle above, check 24 VAC power supply by activating the manual payout on the coin changer. If it does not operate, the fuse is blown, wiring is defective or the transformer has failed on the 24 volt side or the controller is defective.
- . Check for a loose connector plug on the controller board.
- . CAUTION! CAUTION! Before attempting to remove the controller board, display board or coin changer, remove the red cap fuse or unplug the machine from the wall outlet. This is to prevent damage to the boards and coin changer.
- . Coin changer should now accept coins.
- . MACHINE WILL ACCEPT ALL COINS BUT.....
- . No selection can be made.
  - . Does display show amount of coins inserted?
  - . If customer display is blank, check the manual payout switch on the changer. If the payout motor will not operate, the changer or controller is defective. Also check all connector plugs on controller board for proper connection.

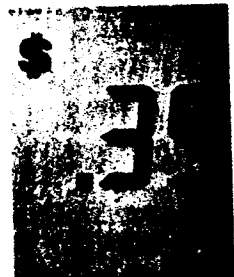
- . If display is blank and the manual payout switch will operate the payout motor - check the display cable, defective display or controller.
- . If display shows garbage - replace display.
- . If display shows proper amount of coins inserted and you get no beep or beeps when pushing a selector button - check for a defective selector switch or a bad connection at the selector switch by using free mode for that selection.
- . Check the continuity of the selector switch at #1 when switch is depressed.
- . Only one selection cannot be made.
- . Determine fault by substituting an operational motor assembly in this position and pressing mode switch on controller. If motor assembly now functions properly, the replaced one needs repair. If not, the wiring is faulty.

CUSTOMER DISPLAY MODE keeps customer informed. Reduces vandalism.

The customer display ends confusion over deposits and status of sale during each transaction. Don't forget...trouble free transactions means increased sales volume, less vandalism and more customer satisfaction for you.

With each transaction, total change deposited is indicated on the customer display (available in LCD version only). Each valid customer action is acknowledged with a single, audible tone, or "beep". Invalid actions are called to customers attention with three successive "beeps". If change is owed to customer after selection is made, the credit display indicated the amount overpaid.

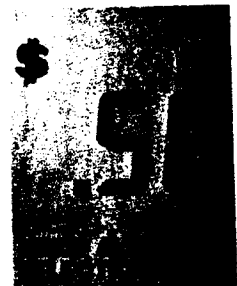
If a selection is made before enough credit is established, the credit display reads "PRICE", and shows the price of the selection, while customer is alerted with three "beeps". The customer has the option of inserting more coins or actuating the coin return lever and getting money inserted back.



If exact change is required for a transaction the credit display reads "EXACT CHANGE ONLY". Low inventory in the coin tubes does not prevent the customer from making a selection.



If a column selected malfunctions, the customer is alerted with three "beeps" and the printed message "MAKE ALTERNATE SELECTION". The customer then has the option of making another choice or having his money returned by actuating the coin return lever.



**\*NOTE:** When the highest vend price setting is reached the crem coils in the coin changer will fall out to prevent further acceptance of coins until a selection has been made. (Example) Machine is set to vend at 30¢, 35¢, and 40¢ and two (2) quarters are inserted into the machine. Crems fall out at that time until selection has been made.

**\*\*NOTE:** The Coinco changer price range is 5¢ to \$3.15. The MARS changer price range is 5¢ to \$6.35.

TROUBLE SHOOTING  
OF THE  
CONTROLLER BOARD AND CUSTOMER DISPLAY BOARD

- . If customer display is blank and the manual payout will not operate the payout motor - defective controller board or there is no power to the machine.
- . If customer display is blank and the payout motor will operate - controller board, display, or cable.
- . If display shows all 8's but machine will vend - replace display.
- . Display shows garbage - display or controller board is defective.
- . If motor jams in cycle - display will show price of jammed selection.
- . If a vend motor takes more than  $\frac{1}{2}$  second to leave home or more than 8 seconds to return home - display will show selection when mode switch is depressed. Display will alternate selections if more than one selection is defective.
- . When mode switch is depressed and display shows:
  - Blank - no problems.
  - Letter C - means machine has not vended in last 24 hour period.
  - Make and number of failed selection if failure has occurred. This number will alternate if more than one failure has occurred.
- . If the selection made has a defective motor it will show "MAKE ALTERNATE SELECTION" on display when the selector button is pushed.

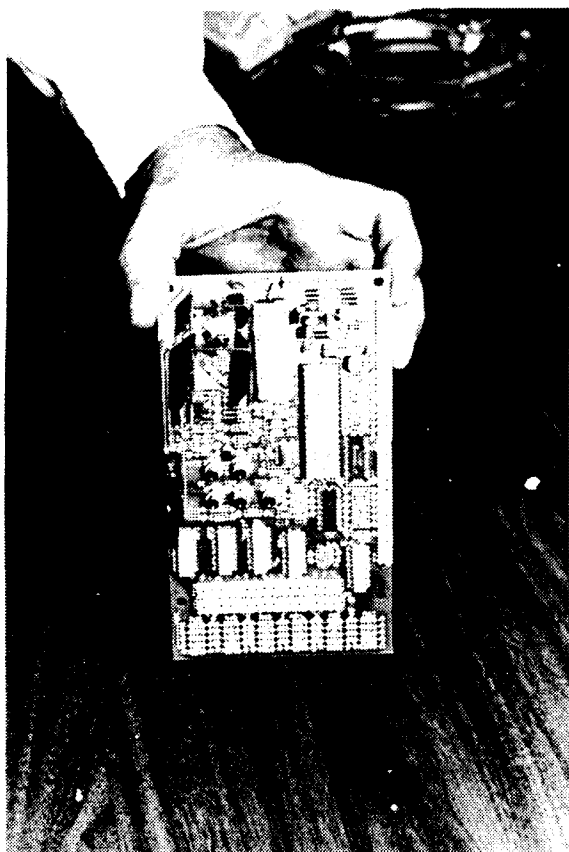
(\*NOTE: When mode switch is pressed, messages will be displayed for only 25 seconds.)

Service messages or electrical failures recorded by the controller will also be displayed in the read-out when the machine or controller is first placed in the service mode. Again, these messages will only be displayed for 25 seconds, so it is important that they be recorded immediately if they appear when the controller is first placed in the service mode. If they are not recorded, it will be necessary for the controller to detect the failures again before they can be displayed by pressing the mode switch.

During the normal vending operation or mode, without any credit, the read-out will display ".00". When first placed in the service mode (if no failures have been detected by the controller) the zero's will disappear.

### CONTROLLER AND DISPLAY

A  
CONTROLLER



B  
DISPLAY



CAUTION

CAUTION

CAUTION

Before attempting to remove the controller board, display board or the coin changer for repair, remove the red cap fuse or unplug the machine from the wall outlet. This is to prevent damage to the boards and coin changer.



## POLYVEND SHIPPING POLICY

The following information is being given to you to assist you in the safe delivery of your merchandise and in expediting of freight damage claims.

Our terms of sale are F.O.B. our factory; the responsibility for damage in transit is the carrier's whether it be visible or concealed damage. We have taken every precaution to insure safe arrival of this equipment, but our responsibility ceases when the shipment is turned over to the carrier.

The acceptance of this shipment by the carrier is an acknowledgment that the equipment was delivered to them in good condition and properly packed. The carrier who delivers this merchandise to your door is responsible for its safe delivery.

### PROCEDURE FOR VISIBLE DAMAGE

1. IT IS VERY IMPORTANT TO INSPECT ALL FREIGHT DELIVERIES, WHETHER MACHINES OR PARTS, IMMEDIATELY. If there is any visible damage you have the right to refuse the merchandise or to accept the damaged shipment. If you accept it, make certain that you have the deliveryman note on the freight bill the nature and extent of damage.
2. After you determine extent and cost of damage, notify the delivering carrier's office by phone, and confirm with a written notice within 15 days requesting an inspection of the damaged merchandise. Keep a copy of the inspection request for claim purposes. Do not destroy packing material until shipment is inspected and claim is settled.
3. When inspector arrives, ask for claim form. In filing a claim, you may make a cash settlement with the carrier for the full invoice price of the merchandise or contact Polyvend, Inc., telephone 501/327-1301, and make arrangements to have merchandise returned for repair, and file claim for repair charges. Do not return merchandise without authorization from Polyvend, Inc., Traffic Manager. Ask carrier to return "DEADHEAD". Do not claim more than cash price of machine plus freight.

## POLYVEND SHIPPING POLICY

### PROCEDURE FOR CONCEALED DAMAGE

1. If there is no visible damage, YOU MUST OPEN THE SHIPMENT WITHIN 15 DAYS AND INSPECT FOR CONCEALED DAMAGE. If there is concealed damage, notify the delivering carrier by phone immediately asking for an inspection, confirm in writing and keep a copy of the request for claim purposes. If you fail to notify the carrier within 15 days of delivery, by telephone and in writing, the freight company is no longer liable for the damage and will probably refuse your claim. Do not destroy packing material until shipment is inspected and claim is settled.
2. After inspection by carrier, file claim for damages at once. (See Item 4) On concealed damage, unless it can be proven that the carrier is responsible for the damage, they will probably want to settle on a compromise basis. Therefore, the faster you inspect your delivery and notify the carrier, the better the chances are for full settlement. If the claim is disallowed, check on the possibility of a compromise.

### PROCEDURE FOR SHORTAGES

1. If the shipment delivered to you is not in accordance with the quantity of cartons as shown on your receipt, do not accept it until such shortages are noted on the Freight Bill or Bill of Lading and signed by the truck driver. Failure to do this releases the carrier from any responsibility.
2. If the item that is short is not delivered within a reasonable time, then file a claim with the delivering carrier for the invoice or cash price of the item that was not delivered.

Claims for loss or damage will not be deducted from your invoice while awaiting adjustment of such claims.

For further information or any other problems regarding deliveries of Polyvend merchandise, contact our Traffic Manager, Gene Huss, at 501/327-1301.

## CLEANING INSTRUCTIONS

### PAINTED SURFACES:

All painted and stainless steel surfaces can be cleaned with a clean cloth and any common brand of household detergent. Do not use harsh abrasive materials on the painted surfaces that would mar the paint.

### GLASS ITEMS:

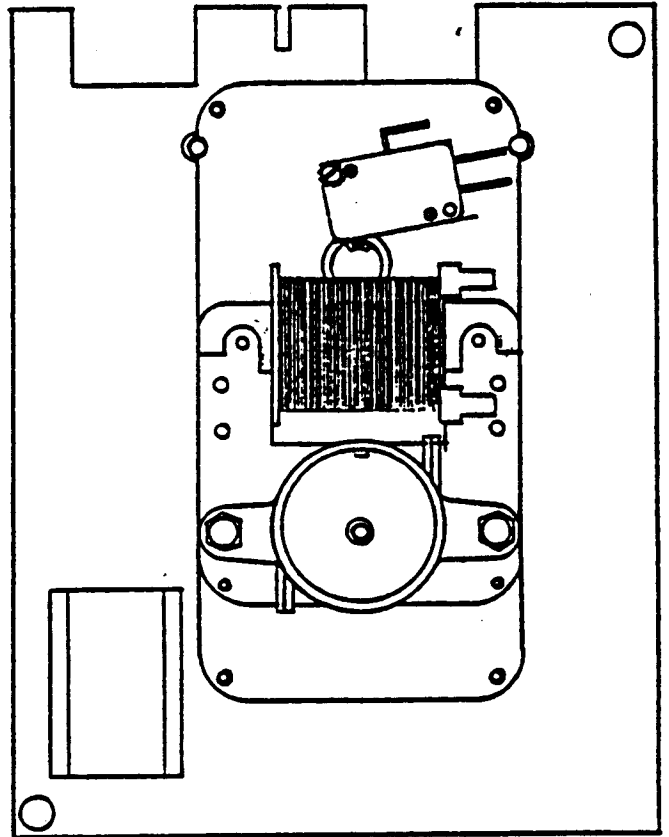
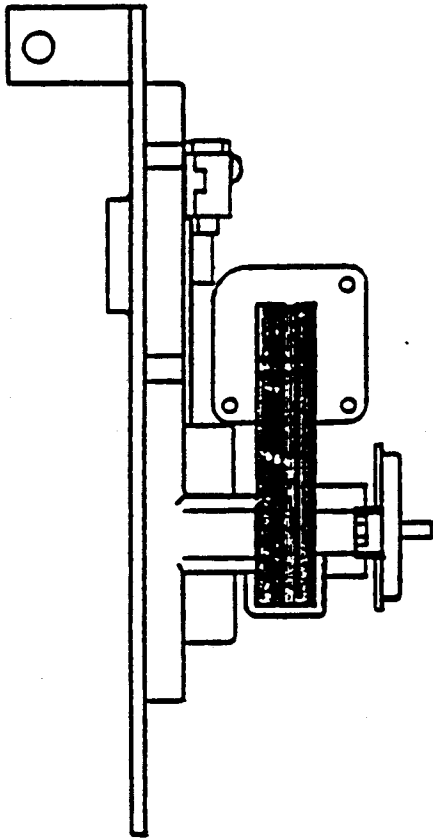
The lexan product loading door may be cleaned with any commercial window cleaner. Do not use any kind of solvents on the lexan product loading door. Solvents will cause the lexan door to cloud up.

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(7-76)

PARTS LIST

17312	Changer C-300
16879	Harness Main Motor (H-9)
<del>16283</del> 17712 BIK	Motor Assembly (new style) Blk
<del>18202</del> 1710601	Selector Switch (new style) Blk
17314	Controller Board Assembly
17313	L.C.D. Board Assembly Display
17339	Changer Mars 5010
17379	Harness Assembly for MARS 5010
18189	Door - Del. Compartment
18092	Panel Assy--Power
17310	Lens - LCD Display
17316	Harness - LCD Board
17324	Plug Assy - Jones
5783	Insert-Reject
15940	Insert-Change
18090	Lamp Assembly
18086	Lock Tab
17321 BIK	Cover Bar
17343	Spindle - 15 Turn
17342	" " 10 Turn



NEW STYLE

MOTOR BLACK

Part Number ~~16283-B1k~~

17712-B1K

18081 MTG. FLANGE WA.

18070 DOOR ASSY - SERVICE

→ 16883 PANEL - LEXAN

→ 18174-01 HINGE - SERVICE DOOR

→ 18073 - BRN RETAINER - PANEL R. & L.

→ 18072 - BRN RETAINER - PANEL U. & L.

→ 18071 DOOR WA - SERVICE

→ 14336-01 DECAL - PRICE 25¢

→ 14336-06 DECAL - PRICE 50¢

→ 14336-11 DECAL - PRICE 75¢

← (CONTACT POLYVEND SERVICE DEPT FOR  
\$1.00, \$1.25, \$1.50, \$1.75, \$2.00,  
\$2.25, \$2.50, \$2.75, \$3.00. DECALS.)

18078 BAR WA - LOCKING

18091 HARNESS - SUBMAIN

18085 - BRN LCD MTG. BRKT.

18084 - BRN PLATE - CONTROLLER MTG.

11808 STAND OFF - PCB BOARD

17314 Control Board

17313 Display

INSET

Coin Chute Lower 16925-14336 DOL

18891 BK Upper Coin Chute.