GS-1/GS-2 Operation and Service Manual

GS-1
GS-2

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This machine has been engineered to our own rigid safety and performance standards. It has earned a "Letter of Compliance" from NAMA indicating that it complies with sanitation and health guidelines recommended by the Automatic Merchandising Health-Industry Council (AMHIC) and it conforms with all other NAMA safety recommendations. This machine has been FCC verified.

This machine has been manufactured in accordance with the safety standards of both Underwriter's Laboratories and the Canadian Standards Association. To maintain this degree of safety and to continue to achieve the level of performance built into this machine, it is important that installation and maintenance be performed so as to not alter the original construction or wiring and that replacement parts are as specified in the parts section of your Service Manual. Your investment in this equipment will be protected by using this Service Manual in your operation, service, and maintenance work. By following prescribed procedures, machine performance and safety will be preserved.

This merchandiser is warranted for one (1) year against defective parts and workmanship. Any part or parts which are proven to be defective within one (1) year of the date of shipment will be repaired or replaced free of charge when the defective part is returned, with transportation charges prepaid, to the destination designated by the Glasco Warranty Department.

This warranty applies only to the original purchaser of the merchandiser and is null and void if the merchandiser is sold during the period of warranty.

This warranty is also null and void for all electrical components, wiring, or circuits and/or for all mechanical parts or assemblies damaged as a result of operating the merchandiser at other than 110-120 volts, 60 Hertz current. This warranty is null and void in the event of vandalism, fire, or negligence on the part of the operator.

No warranty is given or implied on incandescent lamps, neon lamps, fluorescent lamps, ballasts, starters, or other expendable items. No warranty will be given when other manufactured components are installed in Glasco merchandisers.

Further, Glasco is not responsible for any cost of service rendered or repairs made on merchandisers or parts by anyone other than an authorized Glasco distributor, unless authorization to incur such expense has been given in writing by Glasco prior to incurring such expense.

This warranty is in lieu of all warranties expressed or implied, including, without limitation, warranties of merchantability and all other obligations or liabilities on the part of Glasco. Furthermore, Glasco neither assumes nor authorizes any person to assume for it any other obligation or liability in connection with the sale of said equipment or any part thereof.

Glasco ⓉⓂ
12955 Enterprise Way
Bridgeton, MO 63044-1200

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GS-1/GS-2 Operation and Service Manual

TABLE OF CONTENTS

How To Use The Parts List

This manual contains a parts list for each repairable assembly in the merchandiser. Each parts list contains information you will need when you want to order parts. Column one is labeled "FIGURE INDEX NUMBER". The number to the left of the dash is the figure number and the number to the right of the dash is the index number of the part. To avoid confusion it is important to remember that all assemblies DO NOT have corresponding illustrations. Column two is labled "DESCRIPTION". The name of the part and a brief description are included in this column. There can be one, two, or three columns labeled "PART NO." and "QTY". Each set is labeled with the appropriate model number(s).

NOTE
If a part or an assembly is used in each of the models listed in a given table, it is only listed under the first set of columns. See Index 1 in the sample.

If the same part is used in each of the models listed in the table, but the quantities are different, different numbers will be listed in each of the QTY columns. See Index 2 in the sample.

When N/A appears in the PART NO. column, the part is not used in the corresponding model. See Index 3 and Index 4 in the sample.

For attaching parts (i.e. - nuts, screws, washers, etc.) the QTY column lists only the quality necessary to attach one part or assembly. See Index 5 in the sample.

If an assembly does not have a part number, a dashed line appears in the "PART NO." column.

ABBREVIATIONS USED IN THE PARTS LIST

CT	Count	RHS	Round head screw
HD	Head	S/T	Self-tapping
LGM	Light gauge metal	T/C	Thread cutting
LH	Left-hand	T/F	Thread forming
N/A	Not applicable	THS	Truss head slotted
PCB	Printed circuit board	W/Hd	Washer head
PHS	Pan head slotted	W/LW	With lock washer
RH	Right hand		

SAMPLE

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY
2-1	Insert - Coin	5231010	1		
2-2	Clamp - Cable 3/4 Inch	1592361	2		3
2-3	Spacer - Delivery Pan	7311258	1	N/A	
2-4	Spacer - Gum & Mint	N/A		6382649	
2-5	Bracket - Lamp Mounting (Screw #8-32 x 1/4 RHS)	1497246 9991973	2 2		

HOW TO ORDER PARTS

The members of the parts department at your Glasco distributor are ready to serve you. Please have the following information ready when you call in your parts order:

Your account number
Name and model number of the merchaandiser
Serial number of the merchandiser
Part number, complete description and quantity required for each part you wish to order.

MACHINE REQUIREMENTS AND CHARACTERISTICS

POWER REQUIREMENTS

Volts AC	115
Amps	15
Hz	60
Phase	Single
Outlet	3-pin
Type	Grounded

CHECKING THE POWER OUTLET

Voltage Check
When placed across the HOT and NEUTRAL terminals, a volt-ohmmeter should indicate 110 - 130 volts AC.

Polarity Check
When placed across the HOT and GROUND terminals, a volt-ohmmeter should indicate 110 - 130 volts AC.

Noise Potential Check
When placed across the NEUTRAL and GROUND terminals, a volt-ohmmeter should indicate 0 volts AC. A reading of greater than 1.5 to 2.0 volts AC could result in noise problems for the electronic circuitry.
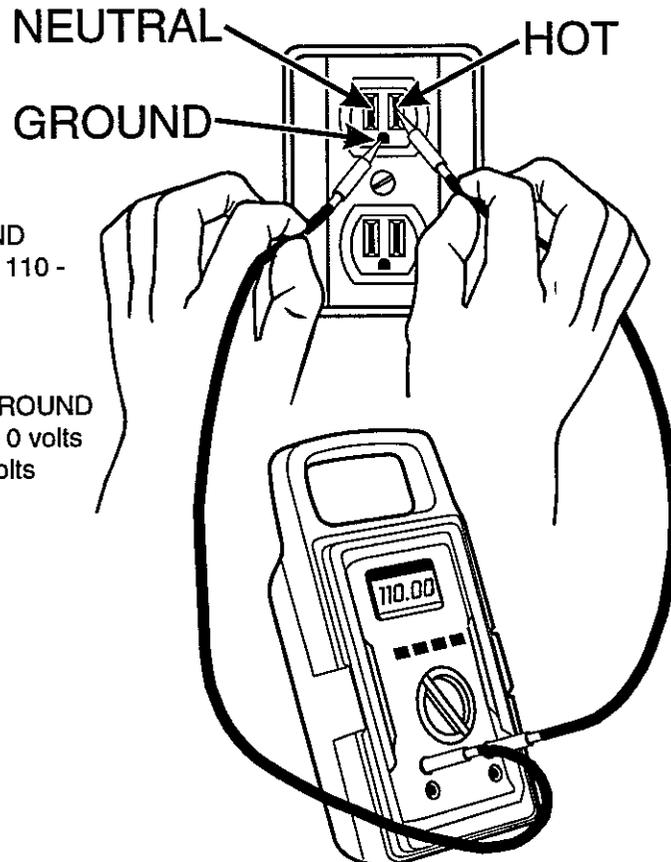
MAIN CONTROLLER PCB DISPLAY. This display consists of two light emitting diodes (LED) mounted on the controller PCB.

POWER ON (L.E.D. 1) When lit, this green LED indicates electrical power is applied to the controller PCB.

HEARTBEAT (L.E.D. 2) When flashing, this red LED indicates that the controller PCB is active, and the software is operating.

> **NORMAL CONDITIONS:**
> When the merchandiser is operating normally, you should see a steady green **POWER ON** indicator and a flashing red **HEARTBEAT** indicator. Contact a service representative if any other condition exists.

MAIN CONTROLLER
PCB ASSEMBLY

POWER ON
(L.E.D. 1)

FLASHING
HEARTBEAT
(L.E.D. 2)

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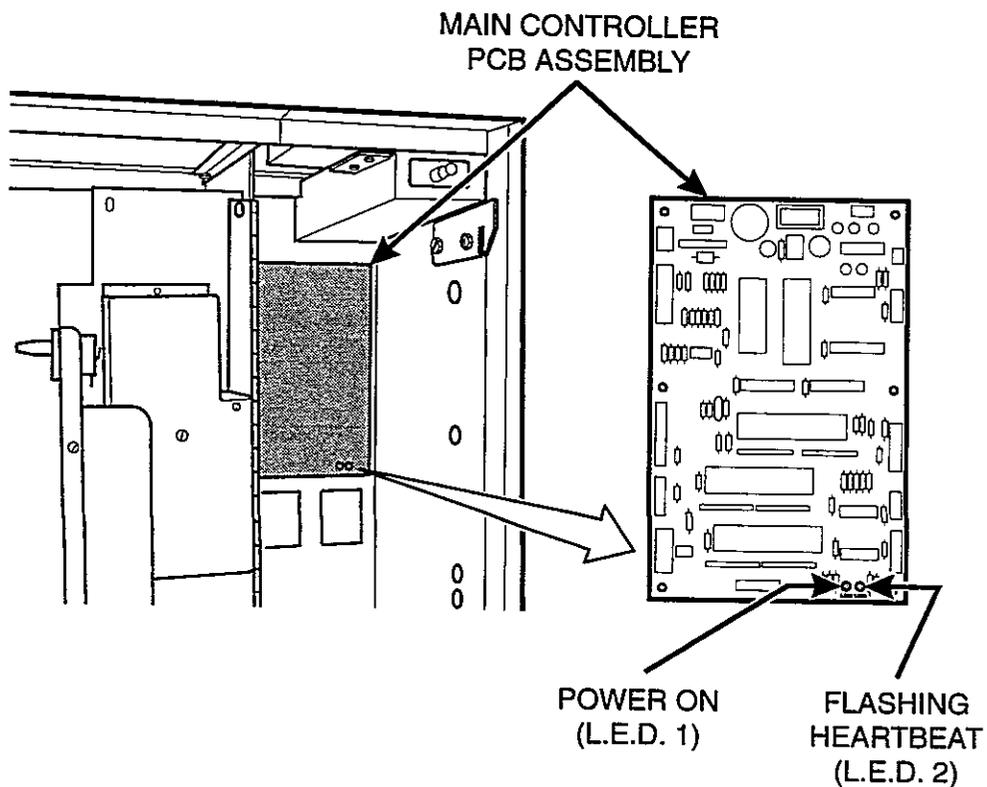
MACHINE SET-UP

1. Power to the merchandiser is controlled by the main power switch. It is located on the power panel. The power panel is on the right side of the merchandiser, behind the monetary door. Make sure the power is turned off before proceeding with set-up.

Warning
You should unplug the merchandiser whenever you do one of the following:

✓ Change a fuse

✓ Change the fluorescent lamp

✓ Change the lamp starter

✓ Connect or disconnect a harness
(Except a motor harness when the tray has been removed)

2. Read the following if you need to move the merchandiser through a narrow doorway. This merchandiser has the capability of passing through an opening as narrow as 30 inches by removing the cabinet extensions.

REMOVING THE TOP EXTENSION
Remove the two screws that secure each end of the extension to the sides of the cabinet. Remove the remaining screws securing the extension to the cabinet. Pull the extension forward to remove it from the merchandiser.

REMOVING THE BOTTOM EXTENSION
Remove the two screws that secure each end of the extension to the sides of the cabinet. Remove the remaining screws securing the extension to the bottom of the cabinet. Pull the extension forward and remove it from the cabinet.

TAKING THE MERCHANDISER THROUGH THE OPENING

*   Open the cabinet door and place it square with the left side of the cabinet
*   Carefully walk the merchandiser through the opening
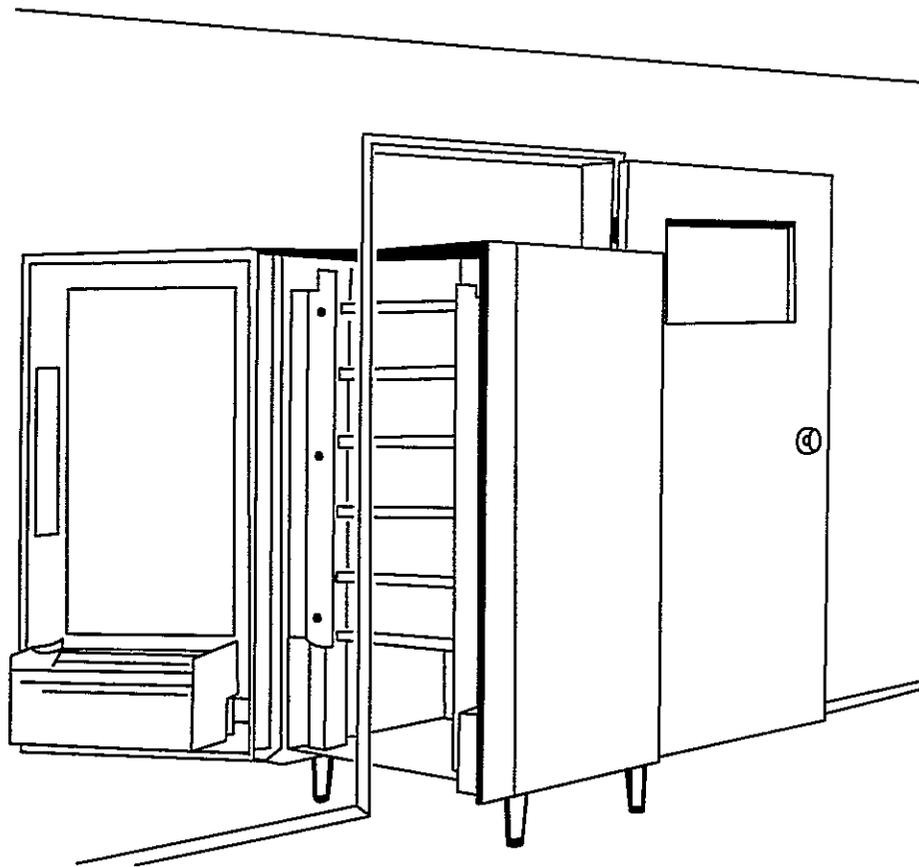
POSITIONING THE MERCHANDISER

The merchandiser can be positioned anywhere in a bank of machines. It can even be placed on an end flush against a side wall. However, it should have at least one inch of clearance between it and the back wall. Finally, there should be enough room in front of the merchandiser for the door to open freely.

Warning
This machine is only rated for installation in an indoor location.

LEVELING THE MERCHANDISER

From a safety standpoint it is very important that the merchandiser be level. A level merchandiser is less likely to tip over and cause personal injury. Level the merchandiser by moving the leg levelers in or out for proper adjustment. Pliers or channel locks may be required to loosen the leg levelers. Level the merchandiser from the right to left and from front to back using a spirit level. When the merchandiser is part of a bank of machines, it should be leveled in reference to the other machines.

Caution
Have an assistant hold the merchandiser while you adjust the leg levelers.

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COIN MECHANISM

Setting the Quarter Switch

If your coin mechanism is not a MARS TRC 6000, skip this procedure and begin loading the coin mechanism. If your coin mechanism is a MARS TRC 6000, flip down the top front of the mechanism and set the quarter switch as shown on the drawing to the right. Make sure switch #2 is in the down or "off" position.

HIGH QUARTER SWITCH

ON

1 2 3 4
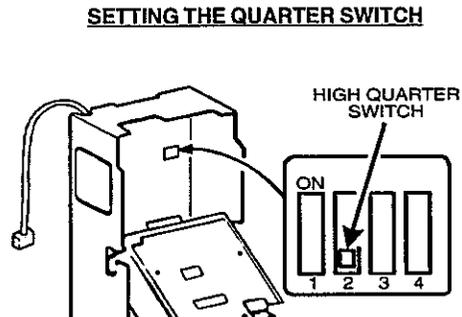
Loading the Coin Mechanism

1. Open the cabinet door and the monetary cabinet
2. Insert coins into their respective tubes. Make sure each tube is full.
3. Inspect the tubes for shingled coins and correct if necessary.

1. PUSH UP LATCH

2. PULL DOWN BILL STACKER
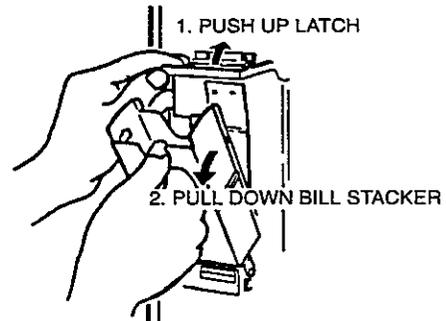
BILL VALIDATOR

Emptying the Stacker

1. Push up on the magazine latch to release the housing.
2. Open the magazine by pulling it down.
3. Remove the bills and close the magazine. Make sure it is secure.

3. REMOVE DOLLAR BILLS
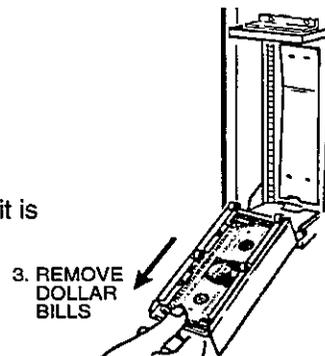
TRAY SET-UP

Putting The Tray In A Loading Position

Place both hands on the tray as shown in the figure below. Lightly push back on the tray with your palms.
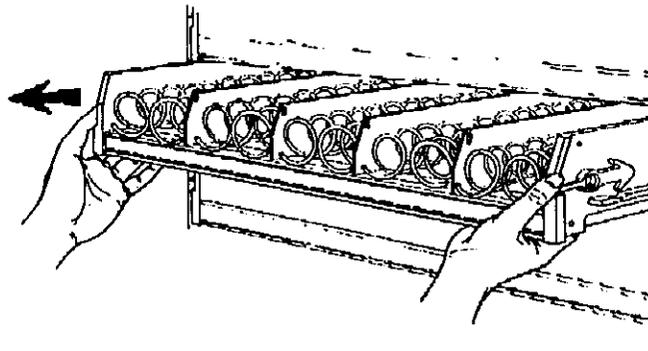
This will release the tray catches on the sides of the tray. Push down on the tray catches with your thumbs. Pull the tray forward until you hear and feel the rear rollers of the tray drop into a cut-out in the top of the guide rail. Continue pulling the tray forward into the loading position as shown in the figure below.
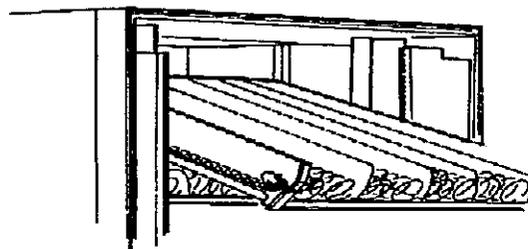
When the cabinet door is not fully open, the bottom tray will rest on the delivery pan assembly. Handle the tray with care to avoid scratching the delivery pan assembly.

Removing A Tray

Push back on the tray slightly with your palms. This releases the tray catches. Push down on the tray catches with your thumbs. Pull the tray forward until you hear and feel the back rollers of the tray drop into the cut-out in the top of the guide rail.

Lift up on the tray and slide it towards the back. No more than one inch should be required. The tab near the back of the tray should align with the cut-out in the top of the guide rail. Lift the tray clear of the guide rail and out of the merchandiser. When the cabinet door is not fully open, exercise care in removing the bottom tray. Failure to do so may result in damage to the tray or to the delivery pan assembly.

Removing Column Dividers

Push the column divider toward the back of the tray. Lift the column divider clear of the tray. Please refer to the figure below.
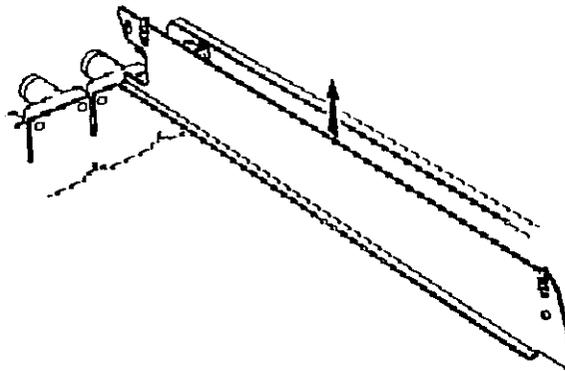
Removing And Installing Spirals

There are two important things you should remember about spirals:
- All spirals have the same diameter.
- There is a clockwise and a counter-clockwise spiral.

Spirals are available in six different capacities: 9, 11, 13, 15, 17, and 20. To remove a spiral, pull forward on the retaining clip and remove the end of the spiral from the spiral coupler. Remove the spiral from the tray.

To install a spiral, pull the bottom of the retaining clip towards the spiral. Lower the spiral into the tray column and insert the end of the spiral into the spiral coupler. Release the retaining clip.

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Removing A Spiral Coupler

Pinch together the prongs on the end of the spiral coupler. Pull the coupler forward to remove.
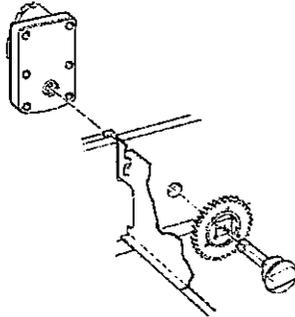
Installing A Spiral Coupler

Place gear in position if one is required for this set-up. Hold motor in place and push spiral coupler through the motor gear box until it clicks into place. When using a coupler bearing, hold the bearing in place and push the spiral coupler through the bearing until the coupler locks into position.

Installing A Gear

Gears are used to mechanically couple spirals together. This is required when you have two spirals and only one motor for vending a selection. The gear is placed between the back of the tray and the spiral coupler. There are two possible orientations for a gear.
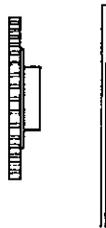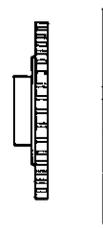
ORIENTATION 1   **ORIENTATION 2**

There are two rules to follow when orienting gears:

RULE #1   The gears for selections next to each other can not use the same orientation.

RULE #2   All gears for a single selection must use the same orientation.

Disconnecting A Motor Harness

First, grasp the header on the motor circuit board. This will help prevent breakage of the circuit board. Next, pull the harness connector away from the circuit board. Finally, tuck the unused part of the harness out of the way in the trough at the back of the tray.
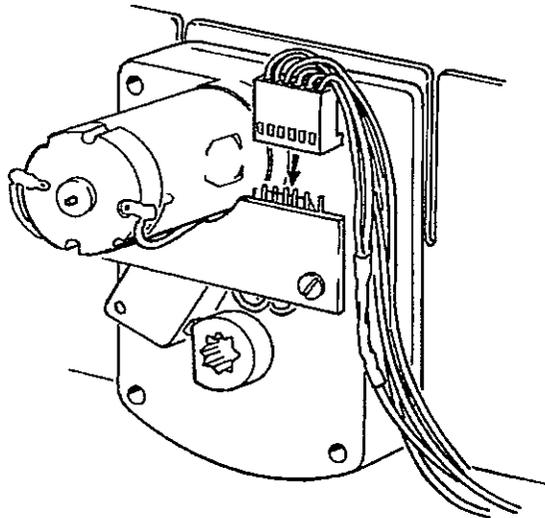
Connecting A Motor Harness

First, grasp the header on the motor circuit board. This will help prevent breakage of the circuit board. Next, locate the harness connector for the tray position of interest. Finally, push the harness connector over the header pins on the motor circuit board.

Removing A Spiral Motor (* = This procedure has been previously discussed)

First, place the tray in the loading position*. Then, disconnect the motor harness*. Next, Remove the spiral and the spiral coupler*. Finally, lift the motor clear of the tray.

Installing A Spiral Motor (* = This procedure has been previously discussed)

First, place the tray in the loading position*. Then, place the motor in the correct position at the rear of the tray. Place a gear in position if required*. Next, install a spiral coupler. Finally, connect the motor harness.

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Installing A Tray In The Merchandiser

Insert the tray so that the tray rollers pass over the tray-guide rollers. Bring the tray roller to rest on the tray guide. Tilt the tray upward. While holding the tray up, push it towards the rear. Stop when the tab on the tray aligns with the opening in the tray guide. Lower the tray until it rests on the tray guide roller. Push the tray in all the way. The tray retaining clip will fall into the locking position.

Relocating A Tray

Remove the tray from the merchandiser. Remove the screw that secures the left tray-guide to the front guide-mounting channel. Refer to the figure below.
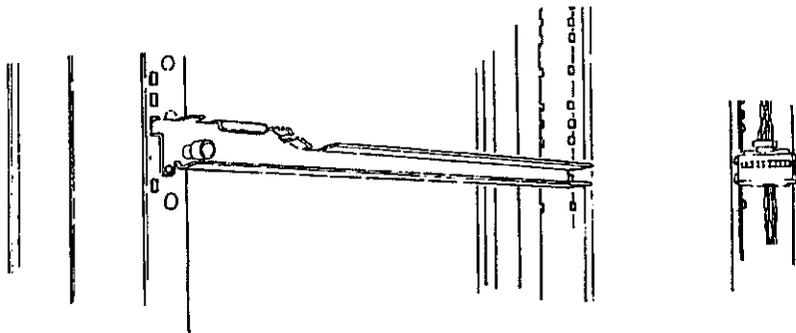
Tray Guide   **Receptacle Block**

Tap up on the tray guide and unseat the guide rail tabs from the channel slots. Pull the guide rail away from the channels. Move the tray guide to the desired position.

Insert the guide rail tabs into the channel slots. Tap down on the guide rail to seat the tabs in the channel slots. Replace the screw that secures the guide rail to the front guide mounting channel. Repeat this procedure for the right guide rail.

Disconnect the harness from the receptacle block. Press the blade of a slotted-head screw driver between one of the receptacle block locking tabs and the receptacle mounting channel. This will unseat the locking tab. Pull the receptacle block away from the channel and move to the desired position. Push the tabs of the receptacle block into the slots in the channel. Reconnect the harness to the receptacle block and return the tray to the merchandiser.

Product Spacer (Option)

Installing - Insert the mounting pins of the product spacer into the column divider

Adjusting - With tray loaded, rotate the product spacer to keep the product upright.

Removing - Pull the mounting pins of the product spacer from the column divider.

Loading A Tray With Products

(In General)
Place tray in the loading position. Begin loading products at the front of the tray and work towards the back. Position the product so the package rests on the tray. Be careful not to force a product into a spiral. If the fit is too tight or too loose, change the spiral size. Be sure there are no empty positions between products in each spirals.

(Special Considerations)

Bagged Products	-	position package upright, then push tops slightly towards rear of tray
Thin Packages	-	position packages upright
KitKat	-	the two right most columns of a candy tray are designed to accept the KitKat candy bar.

CORRECT LOADING OF
SNACKS
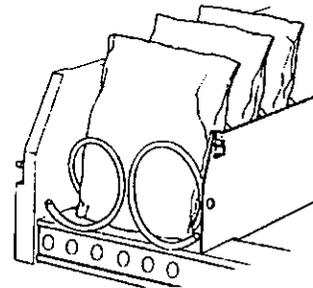
WARNING - This merchandiser does not have a health control circuit. It is not approved for the vending of perishable food items.

CORRECT LOADING OF
CANDY
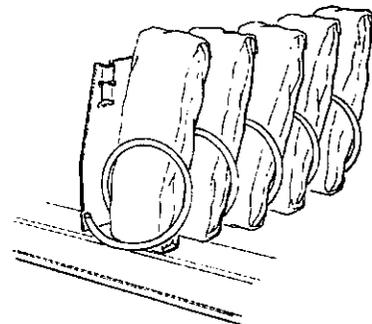
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Preparing the merchandiser for vending "Lunch Bucket"

Because of the weight and shape of the package, Glasco recommends that this product be vended only from the bottom tray. To vend this product, two adjacent positions must be coupled together. The left spiral coupler should be installed one position counter-clockwise from the vertical position. The right spiral coupler should be installed one position clockwise from the vertical position.

ONE POSITION COUNTER-
CLOCKWISE

ONE POSITION
CLOCKWISE
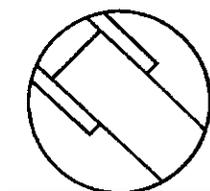
FROM VERTICAL

FROM VERTICAL

RIGHT SPIRAL
COUPLER
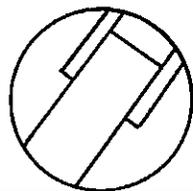
LEFT SPIRAL
COUPLER

AS VIEWED FROM THE FRONT OF THE TRAY

Replace the current spirals with six-count spirals. A pad can be installed in the bottom of the delivery pan to quiet and cushion the delivery. The figure below shows the correct loading of the "Lunch Bucket."

LUNCH BUCKET PRODUCT
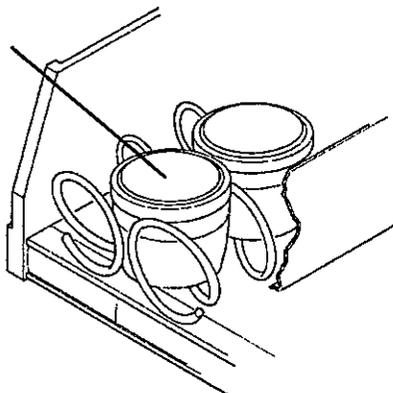
Positioning The Tray For Vending

Lift the tray until it is parallel to the floor. Push the tray towards the back of the cabinet. Mate the connector on the back of the tray with the receptacle block. Lock the retaining clips on the sides of the tray into position.

Price Labels

Price labels are printed on coiled-up rolls. You will find these in the plastic bag that contained this manual. There are two types of price rolls: Dollar rolls (1 to 12 in increments of 1) and Cents rolls (00 to 95 in increments of 05)

DOLLAR ROLL
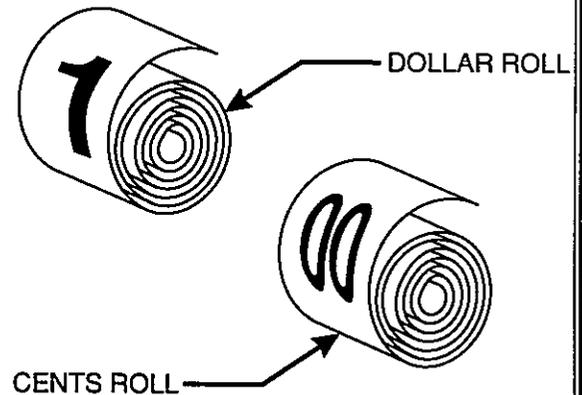
CENTS ROLL

Price Label Installation

There are three pairs of slots in the front of the tray. Insert the dollar roll in the left-most pair of slots if the price is $1.00 or more. Insert the cents roll in the center pair of slots. The low-number end of the roll goes in the top slot and the high-number end of the roll goes in the bottom slot.

PRESS TOP OF ROLL
PAST FLEXIBLE TAB
NEAR TOP EDGE

INSERT BOTTOM OF ROLL
THROUGH SLOT ALONG
BOTTOM EDGE
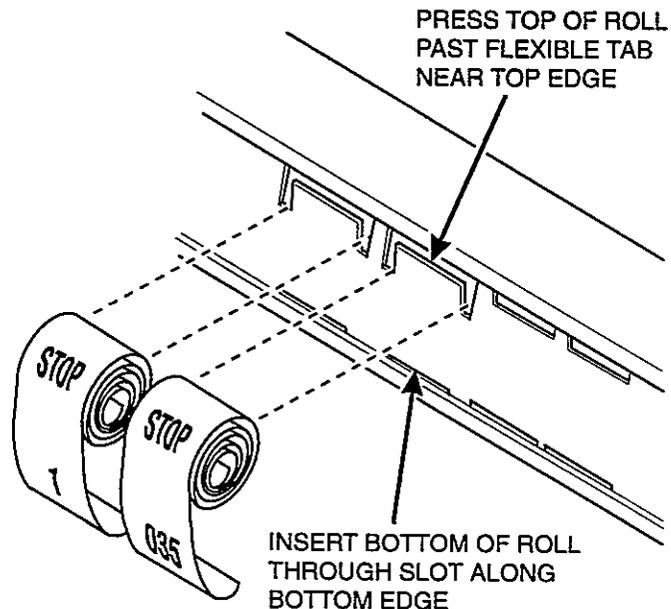
Price Label Adjustment

You can set selection prices within the following range:

Minimum Price	$ .00
Maximum Price	$12.95
Increment	$ .05

Use your thumb to move each price roll up or down as needed to set the desired price.

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Selection ID labels

Selection ID numbers are printed on clear plastic labels. You will find these in the plastic bag that contained this manual.

ID Label Installation

The price label should be installed first. Press the two long edges of the label together. Snap the label into position on the front of the tray. The following table illustrates which label goes with which selection.

MOTOR POSITION

TOP TRAY

										GS-1 ONLY	
TRAY A	A0	A1	A2	A3	A4	A5	A6	A7	A8	A9
TRAY B	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9
TRAY C	C0	C1	C2	C3	C4	C5	C6	C7	C8	C9
TRAY D	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9
TRAY E	E0	E1	E2	E3	E4	E5	E6	E7	E8	E9
TRAY F	F0	F1	F2	F3	F4	F5	F6	F7	F8	F9

BOTTOM TRAY

EXAMPLE OF A BASIC SNACK TRAY

A0   A2   A4   A6   A8   A0   A2   A4   A6
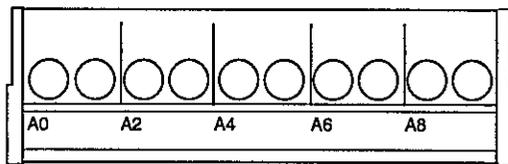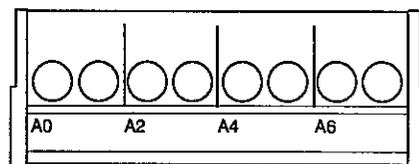
GS-1   GS-2

EXAMPLE OF A BASIC CANDY TRAY

A0 A1 A2 A3 A4 A5 A6 A7 A8 A9   A0 A1 A2 A3 A4 A5 A6 A7

PROGRAMMING

```
Standby
Message
  │ #
  ▼
DATA ──*──▶ ┌────────┐  ┌────────┐  ┌──────────┐  ┌──────────┐
            │ Total  │#▶│ Total  │#▶│Total Free│#▶│Total Free│ #
            │ Sales  │  │ Vends  │  │Vend "Sales"│  │  Vends  │
            └────────┘  └────────┘  └──────────┘  └──────────┘
              H │         H │          H │           H │
  │ #
  ▼
PAYOUT
(NDQ = 012)
  │ #
  ▼
PRICE ──*──▶ ┌────────────┐
       ◀─H── │   Price    │
             │ Individual │
             │ Selections │
             └────────────┘
  │ #
  ▼
FAULTS
  │ #
  ▼
SERVICE ──*──▶ ┌──────────┐  ┌────────┐  ┌────────┐
               │ Software │#▶│Display │#▶│ Money  │ #
               │ Version  │  │  Test  │  │  Test  │
               │ Number   │  │        │  │        │
               └──────────┘  └────────┘  └────────┘
                  H │          H │          H │
  │ #
  ▼
SETUP ──*──▶ ┌────────┐ ┌──────┐ ┌────────┐ ┌────────┐ ┌──────┐ ┌────────┐ ┌──────────────┐
             │Free Vend│#│Select│#│ Select │#│Changer │#│ Multi│#│Language│#│      Set     │#
             │ On/Off │ │ Mech │ │Validator│ │ On/Off │ │On/Off│ │        │ │Configuration │
             └────────┘ └──────┘ └────────┘ └────────┘ └──────┘ └────────┘ └──────────────┘
                H │       H │       H │        H │       H │       H │          H │
  │ #
```
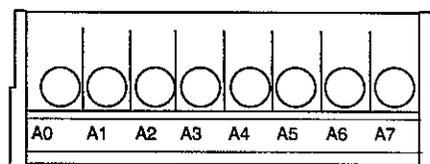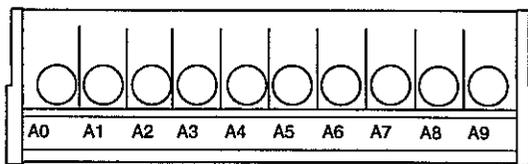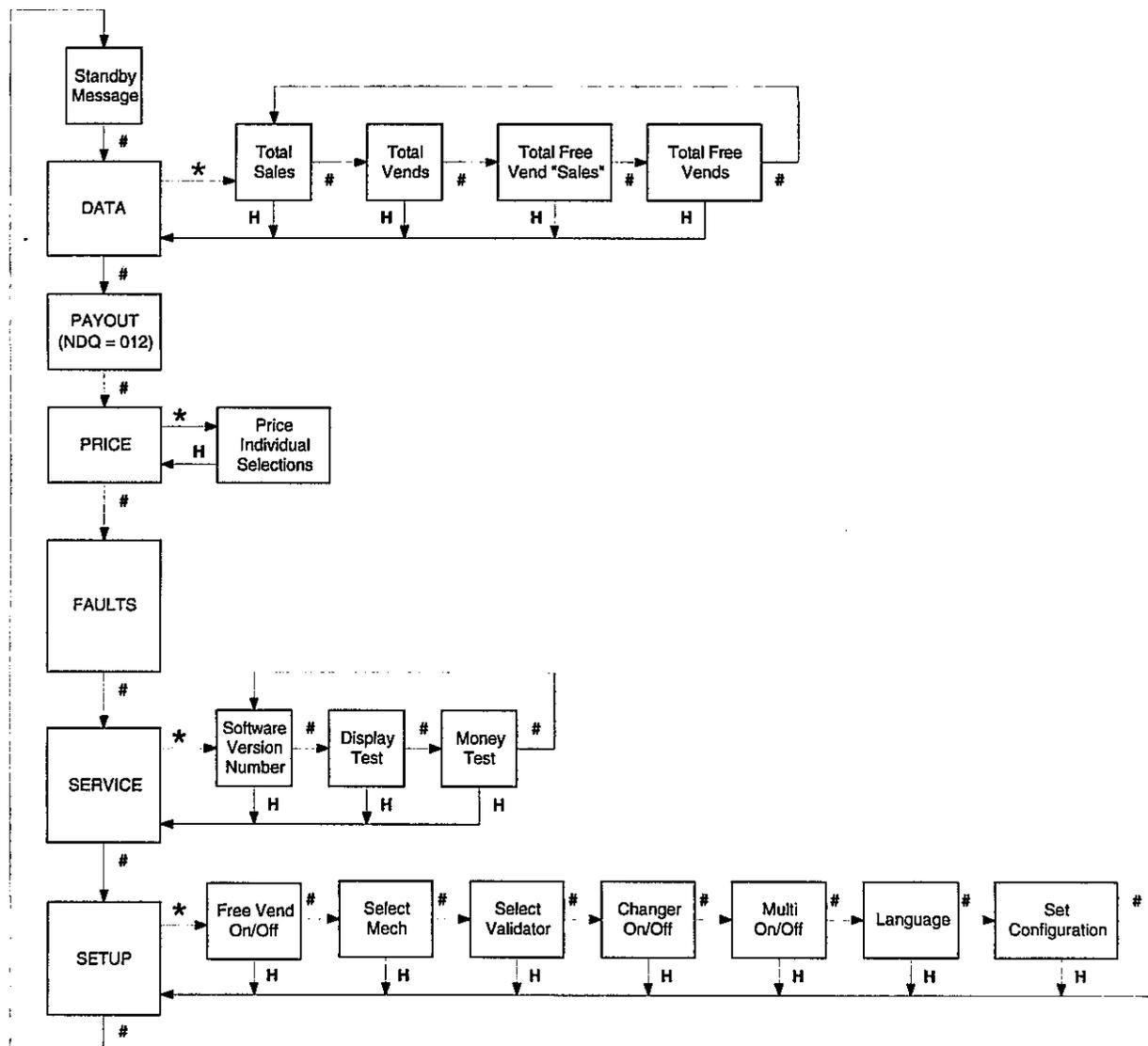
The diagram on these pages is a map of the programming functions in your merchandiser. These functions will be described in greater detail, but this will help you get around once you are familiar with how programming works. The symbols **H**, ★, and # represent special keys that move you around inside the programming modes, and from one mode to another. As you can see on the diagram, these symbols show up in the pathways in and around the modes.
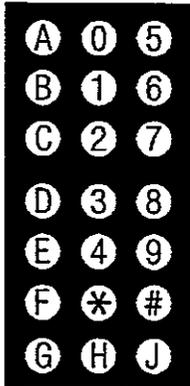
THE KEYPAD

During vending, customers use the keypad to make selections. When you pull the door switch to the ON position, the keypad becomes your programming input device. For reference, we will show the keypad on all the pages.

DATA

View four types of data:

TOT$	=	Total Machine Sales
TOT	=	Total Machine Vends
FRV$	=	Total Free Vend "Sales"
FRV	=	Total Free Vends

This data is nonresettable.

NOTE

At any time you can press **H** once to return to the *DATA* display. Press **H** again to return to the standby message.

1. Pull out the door switch button to the ON position.
2. Press **#** until the display shows *DATA*.
3. Press *****. The display shows *TOT$ .XX*. This is the dollar and cents amount of machine sales.
4. Press **#**. The display shows *TOT XX*. This is the total count of all vends.
5. Press **#**. The display shows *FRV$ .XX*. This is the dollar and cents amount of free vend "sales".
6. Press **#**. The display shows *FRV .XX*. This is the total count of free vends.
7. Press **#** to return to step 3, or **H** to exit.

PAY OUT

Pay out coins:
1. Pull out the door switch button to the ON position.
2. Press # until the display shows *N.D.Q. = 0.1.2*. This is telling you that pressing **0** pays out Nickels, pressing **1** pays out Dimes, and pressing **2** pays out Quarters.
3. Press the appropriate key once to pay out one coin.
4. Press and hold the appropriate key to pay out coins continuously.
5. Press **H** to return to the standby message.

PRICE

Set prices for all the selections in your merchandiser:

NOTE
At any time you can press H once to return to the PRICE display. Press H again to return to the standby message.

METHOD A:
1. Pull out the door switch button to the ON position.
2. Press # until the display shows *PRICE*.
3. Press ∗, and the display shows *AD PR .XX*. "XX" is the price for the A0 selection.
4. Press # to step to the next selection.
5. Enter a new price with the number keys.
6. Price another selection or press **H** to exit.

METHOD B - Selections A through F:
1. Pull out the door switch button to the ON position.
2. Press # until the display shows *PRICE*.
3. Enter the letter/number of the selection you want to price.
4. Price another selection by repeating step 3, or press **H** to exit.

METHOD B - Selection H:
1. Pull out the door switch button to the ON position.
2. Press # until the display shows *PRICE*.
3. Press ∗.
4. Enter "**G9**", then press # to get to the first "H" selection.
5. Enter the price for the first "H" selection.
6. Press # to scroll through the "H" selections, or press **H** to exit.
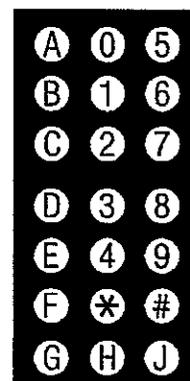
FAULTS

Display all the active faults on your merchandiser:

NOTE
At any time you can press **H** once to return to the *FAULTS* display. Press **H** again to return to the standby message.

1. Pull out the door switch button to the ON position. If there is a fault on your machine, the display will immediately show the list of errors, one after another. Afterwards, the display shows *FAULTS*. Press ***** to see the fault list again.

2. Press ***** to see the list of faults (in a no-fault condition, the *FAULTS* display remains):

    TC ERROR   An error with the tray column
    SERIAL VAL   An error in the bill validator (serial only)

    When the first item repeats, you have seen all the faults.

3. Press **H** to exit.

SERVICE

View machine status and test certain functions:
NOTE
At any time you can press **H** once to return to the *SERVICE* display. Press **H** again to return to the standby message.

1. Pull out the door switch button to the ON position.
2. Press **#** until the display shows *SERVICE*.
3. Press *****. The display shows the software version number.
4. Press **#**. The display shows *DISPL TEST*. Press **J** to briefly light up all segments in the display.
5. Press **#**. The display shows *MONEY 00*. Insert coins and bills into the merchandiser. The amount you inserted is displayed. Press the coin return to clear the credit.
6. Press **#** to return to step 3, or **H** to exit.

```
Ⓐ ⓪ ⑤
Ⓑ ① ⑥
Ⓒ ② ⑦
Ⓓ ③ ⑧
Ⓔ ④ ⑨
Ⓕ ✳ #
Ⓖ Ⓗ Ⓙ
```
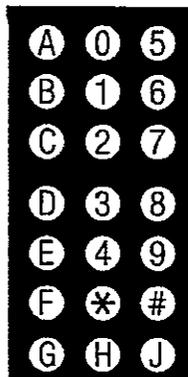
SETUP

Configure various machine functions:

> **NOTE**
> At any time you can press H once to return to the SETUP display. Press H again to return to the standby message.

1. Pull out the door switch button to the ON position.
2. Press # until the display shows **SETUP**.
3. Press **✱**. The display shows either **FREE ON** or **FREE OFF**. When **FREE ON** is displayed, all selections are free. Press **J** to switch between ON and OFF.
4. Press **#**. The display shows either **DUMB MECH** or **EXEC MECH**. Press **J** to switch between **DUMB MECH** and **EXEC MECH**. NOTE: **DUMB MECH** MUST be selected if you are using a MARS TRC-6000 or COINCO 9300 coin mech.
5. Press **#**. The display shows either **SERIAL VAL** or **PULSE $1**. Press **J** to switch between SERIAL and PULSE bill validators.
6. Press **#**. The display shows either **CHANGE ON** or **CHANGE OFF**. When **CHANGE ON** is displayed, a customer may receive change for a bill without making a vend. Press **J** to switch between ON and OFF.
7. Press **#**. The display shows either **MULTI ON** or **MULTI OFF**. When **MULTI ON** is displayed, a customer may purchase more than one item with a declining balance. Press **J** to switch between ON and OFF.
8. Press **#**. The display shows either **ENGLISH, FRENCH** or **SPANISH**. Press **J** to switch between English, French and Spanish displays.
9. Press **#**. The display shows **CNFIG XX**. Using the number keys, set **CNFIG XX** to **00** if there is no gum and mint module, or to **10** if there is a gum and mint module.
10. Press # to return to step 3, or **H** to exit.
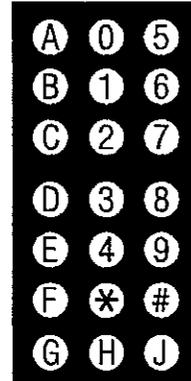
PARTS

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
1-	Identification of Merchandiser						
1-1	Merchandiser - GS-1 (See Figure 2 for Breakdown)	- - - - - -		N/A			
1-2	Merchandiser - GS-2 (See Figure 2 for Breakdown)	N/A		- - - - - -		N/A	
1-3	Merchandiser - GCF-2 (See Figure 3 for Breakdown)	N/A		- - - - - -			
2-	Merchandiser - GS-1	———	1	N/A			
	Merchandiser - GS-2	N/A		———	1		
2-1	Cabinet - Common (See Figure 8 for Breakdown)	———	1				
2-2	Door Assembly - Common (See Figure 13 for Breakdown)	———	1				
2-3	Spiral Assembly - 5 Select Snack Tray (See Figure 23 for Breakdown)	———	4	N/A			
	Spiral Assembly - 4 Select Snack Tray (See Figure 23 for Breakdown)	N/A		———	4		
2-4	Spiral Assembly - 10 Select Candy Tray (See Figure 22 for Breakdown)	———	2	N/A			
	Spiral Assembly - 8 Select Candy Tray	N/A		———	2		
2-5	Panel Assembly - Monetary (See Figure 24 for Breakdown)	G1475009	1				
2-6	Plastic Bag Assembly - Not Shown Includes the following:	G1470000	1				
	Bag - Plastic	1470041	1				
	Documentation Package	G1470001	1				
	Price Roll - Dollars	1477015	2				
	Select ID Labels: A0 thru A9	1477076	1				
	Select ID Labels: B0 thru B9	1477077	1				
	Select ID Labels: C0 thru C9	1477078	1				
	Select ID Labels: D0 thru D9	1477079	1				
	Select ID Labels: E0 thru E9	1477080	1				
	Select ID Labels: F0 thru F9	1477081	1				
	Retainer - Spiral Wall	1477083	10				
	Wire Diagram - GS-1/GS-2 - DOM.	G1470006	1				

THE FOLLOWING ITEMS ARE AVAILABLE BUT NOT SHOWN:

Label - Instruction	G1471007	1
Label - Mark of Quality - Glasco	G1471006	1
Label - Patent	2221075	1

GS-1

GS-2
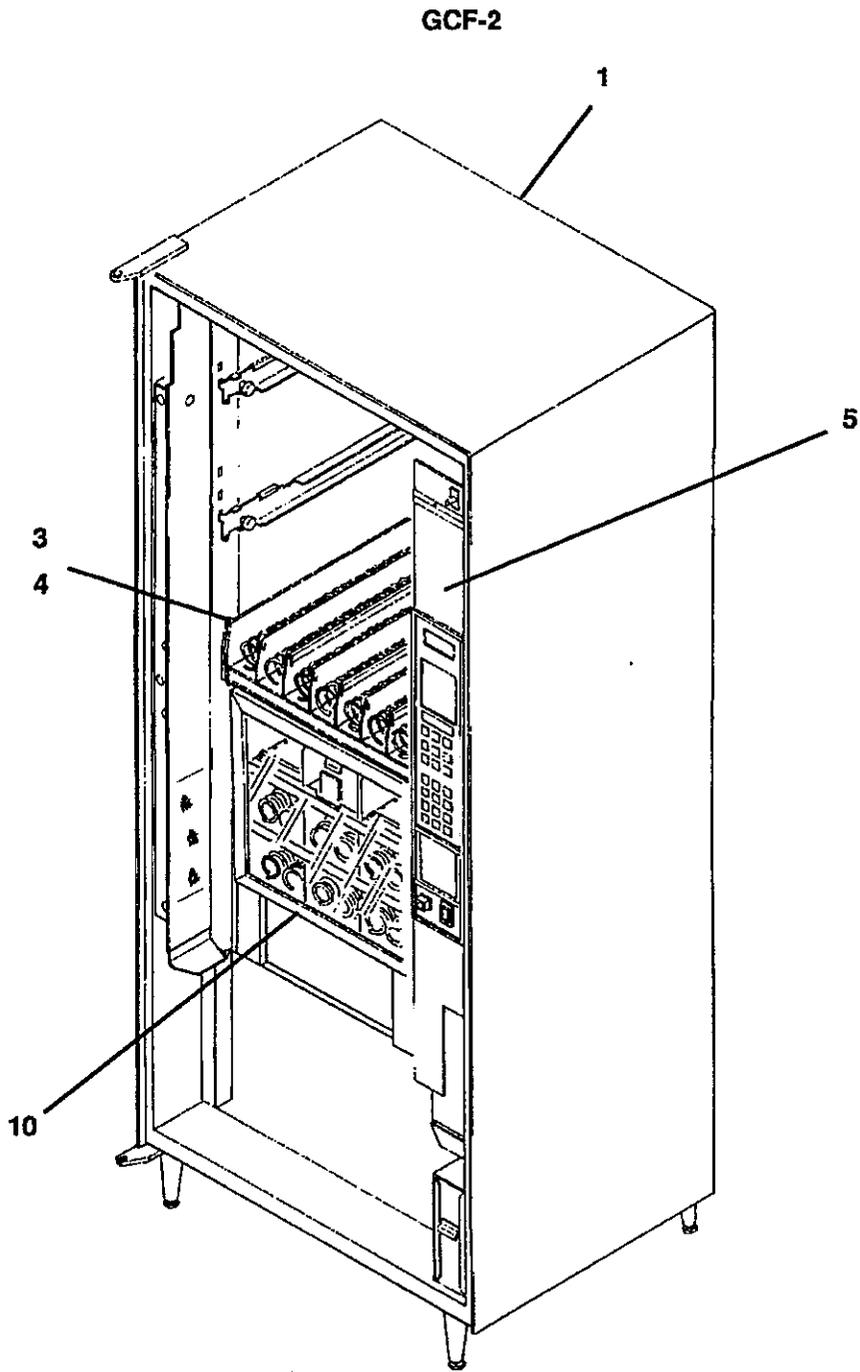
GCF-2

FIGURE 3

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
3-	Merchandiser-GCF-2					————	1
3-1	Cabinet-Common (See Figure 8 for Breakdown)					G4741025	1
3-2	Door Assembly (See Figure 13 for Breakdown)					G4742000	1
3-3	Spiral Assembly - 4 Select Snack Tray (See Figure 23 for Breakdown)					————	2
3-4	Spiral Assembly - 8 Select Candy Tray (See Figure 22 for Breakdown)					————	1
3-5	Panel Assembly - Monetary (See Figure 24 for Breakdown)					G1475009	1
3-6	Not Used						
3-7	Not Used						
3-8	Not Used						
3-9	Plastic Bag Assembly - Not Shown Includes the following:					G4740000	1
	Bag - Plastic					5920012	1
	Documentation Package					G4740003	1
	Price Roll - Cents					1477014	10
	Price Roll - Dollars					1477015	11
	Selection ID Labels: A0 thru A9					1477076	1
	Selection ID Labels: B0 thru B9					1477077	1
	Selection ID Labels: C0 thru C9					1477078	1
	Selection ID Labels: D0 thru D9					1477079	1
	Selection ID Labels: E0 thru E9					1477080	1
	Selection ID Labels: F0 thru F9					1477081	1
	Retainer - Spiral Wall					1477083	10
	Wire Diagram - GCF-2 DOM.					G4740001	1
	THE FOLLOWING ARE AVAILABLE BUT NOT SHOWN:						
	Label - Mark of Quality - Glasco					G1471006	1
	Label - Patent					2221075	1
3-10	Refrigerated Food Module (See Section E, Figure 1 for Breakdown)					- - - - - -	1

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FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
5-	Harness Routing	———	Ref	———	Ref	———	Ref
5-1	Harness - Cabinet - 6 Tray	1471183	1				
5-2	Screw - Ground #8-32 x 5/16, Hex Hd, T/F	1451097	2				
	(Lockwasher #8)	6131148	2				
5-3	Power Supply - Interface to Controller	1471100	1				
5-4	Harness - Validator	1471073	1				
5-5	Jumper - Fluorescent Light	1471106	1				
5-6	Jumper - Fluorescent Light	N/A		1481024	1		
	(Retainer - Harness - 3/8 Dia.) (Not Shown)	N/A		1452139	4		
5-7	Harness - Power Cord to Control Box	4751148	1				
5-8	Not Used						
5-9	Clamp - Cable - 9/16	3106144	3				
	(Screw #8-32 x 3/8, THS, Black)	1170206	1				
5-10	Clamp - Cable - 3/8	1452139	3				
	(Screw #8-32 x 3/8, THS, Black)	1170206	1				
5-11	Clamp - Cable - 3/8	2302227	2				
	(Screw #8-32 x 3/8, THS, Black)	1170206	1				
	(Nut #8-32 W/LW)	9900081	1				
5-12	Clamp - Cable - 1/2	N/A		4732024	4		2
	(Screw #8-32 x 5/16, Hex Hd, T/F)	N/A		1451097	1		
5-13	Clamp - Cable - 1/4	N/A		N/A		1211161	3
	(Screw #8-32 x 5/16, Hex Hd, T/F)	N/A		N/A		1451097	1
5-14	Wire Tie - Self-Clinching	N/A		4042121	1		
5-15	Clip - Cable - Self-adhesive	N/A		N/A		4741018	2
5-16	Harness - Temperature Sensor	N/A		N/A		4401020	1
5-17	NOT USED						
5-18	NOT USED						
5-19	Wire Tie	N/A		N/A		3106145	1

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
8-	Cabinet - Common (See Figure 2/3, Index 1 for Next Higher Assembly)	——	Ref	——	Ref	G4741025	Ref
8-1	"U" Channel - Receptacle Mounting	1471241	2	1481057	2		1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	4				
8-2	Channel - Mounting - Receptacle	1471120	1	N/A			
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	4	N/A			
	Channel - Mounting - Receptacle	N/A				4401023	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	N/A				1451097	4
8-3	Receptacle Block and PCB Assembly	1471066	6				3
8-4	Tag - Electrical Rating	G1471005	1	G1481000	1	G4741018	1
8-5	Cover - Exhaust Fan Hole	1471090	2				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-6	Cabinet Assembly - Weldment	1471311	1	1481060	1		
8-7	Channel - Tray Rail Mounting - RH	1471211	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	10				
8-8	Gusset - Mounting Channel - RH	1471085	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-9	Snap Bushing	6106021	1				
8-10	Gusset - Mounting Channel - LH	1471057	1	1481017	1		
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-11	Channel and Support Assembly - Tray Rail	1471225	1	N/A			
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	12	N/A			
	Channel - Tray Rail Mounting - LH	N/A		1481045	1		
	(Screw #8-32 x 5/16, Hex Hd, T/F)	N/A		1451097	12		
8-12	End Plate Display - LH	1471114	1	1481023	1	4401011	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	3		3		
	(Screw #8-18 x 3/8 LGM)	4721035	3		2		
	(Nut #8-32 W/LW)	9900081	1		1		
8-13	Label - Model Designation	G1472012	1	G1482007	1	G4742006	1
8-14	Power Cord and Bracket Assembly	1471064	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-15	Bushing - Right Angle	7101028	1				
8-16	Bracket - Mounting - Power Cord	1471065	1				
8-17	Grounded Cord Set Assembly	9989522	1				
8-18	Tag - Warning	1210020	1				
8-19	Label - Power Cord	9989526	1				
8-20	Extension Assembly - Cabinet - Top	1471227	1	1481052	1		
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	5		4		
	(Screw #8-18 x 3/8 LGM)	4721035	4		4		
8-21	Lock Arm - Cabinet	1471160	2		1		
	(Screw #10-32 x 3/8)	1217161	2				
8-22	Cup - Spacer	1302289	1				
8-23	Guide Rail - Control Panel	1471013	2				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	4				
8-24	Edge Mount - Harness	1411122	1				
	Wire Tie	2204513	2		1		
	(Screw #8-32 x 1/2, PHS, T/C, W/LW)	9900197	1				
8-25	Stop - Monetary Panel	1471009	1				
	(Screw #8-18 x 3/8 LGM)	4721035	3				
8-26	Controller Assembly - Pulse Validator - Glasco (See Figure 10 for Breakdown)	G1471000	1			G4741000	1
8-27	Clamp - Wire	1451042	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
	Cover - Clamp	1451043	1				
8-28	Label - Caution - Electrical Connection	9989411	1				

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
8-29	Screw #8-32 x 1/2, Hex Hd, T/F, BLK (Used with Index 8-2 in place of 1, 1451097 screw)	4741050	1				
8-30	Chute Assembly - Payout	1471049	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
	(Screw #8-18 x 3/8 LGM)	4721035	2				
8-31	Housing Assembly - Money Box	1471040	1				
	(Screw #8-18 x 3/8 LGM)	4721035	4				
8-32	Box Assembly - Money	1471045	1				
8-33	Power Panel Assembly	1471076	1			4741053	1
	(See Figure 11 for Breakdown)						
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-34	Tray Guide Rail Assembly - RH	1471395	6				3
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
8-35	Angle - Tray Rail Mounting Channel	1471010	2				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-36	Tray Guide Rail Assembly - LH	1471394	6				3
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
8-37	Plate and Spring Assembly - Door Check	1451039	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-38	Cabinet Extension - Lower	1471128	1	1481018	1		
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	5		4		
	(Screw #8-18 x 3/8 LGM)	4721035	4		4		
8-39	Deflector - Product	N/A		1482132	1	4401008	1
	(Screw #8-32 x 3/8, T/H, Black)	N/A		1170206	2		
	(Nut #8-32 W/LW)	N/A		9900081	2		
8-40	Leg and Leveler Assembly - Cabinet	1471237	4				
	(Screw #5/16-18 x 1.00, Hex Hd, T/F)	1451093	4				
	Leveler - Cabinet	1471098	4				
8-41	Plate and Support Assembly - Lower Hinge	1471014	1				
	(Bolt - Carriage #5/16-18 x 3/4 Hex)	1171021	2				
	(Nut #5/16-18 Self-Locking)	1171022	2				
8-42	Screen Assembly - Vent	N/A		4741001	1		
	(Screw #8-32 x 5/16, Hex Hd, T/F)	N/A		1451097	6		
8-43	Spacer - Cup	2302053	1				
	(Screw #8-18 x 5/8, Hex Hd)	4727144	1				
8-44	Plug - Hole (Not Shown)	N/A		1431082	1		
8-45	Bracket - Door Support	1471248	1				
	(Screw -Sheet Metal #8 x 3/8, PHS, W/LW)	4047057	2				
8-46	Angle - Receptacle MountinGN/A					4401028	1
	(Screw - #8-32 X .31, Hex Hd, T/F, BLK)	N/A				1451097	4
8-47	Shield - Cable	N/A				4401024	1
	(Screw - #8-32 X .31, Hex Hd, T/F, BLK)	N/A				1451097	2
	OPTIONS						
8-48	Bracket and Screen Assembly - Exhaust Fan	1471054	1				
	(Screw #8-32 x 5/16, Hex Hd,T/F)	1451097	2				
8-49	Bracket - Exhaust Fan	1471398	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	2				
8-50	Blower Assembly - Horizontal	6231548	1				
	(Nut #8-32 W/LW)	9900081	2				
8-51	Harness - Fan	1471259	1				
8-52	Panel - Filler	N/A		N/A	1	1482004	1
	THE FOLLOWING IS AVAILABLE AS AN ASSEMBLY:						
	Bracket and Fan Assembly (Includes Index 8-49 and Index 8-50)	1471399	1				
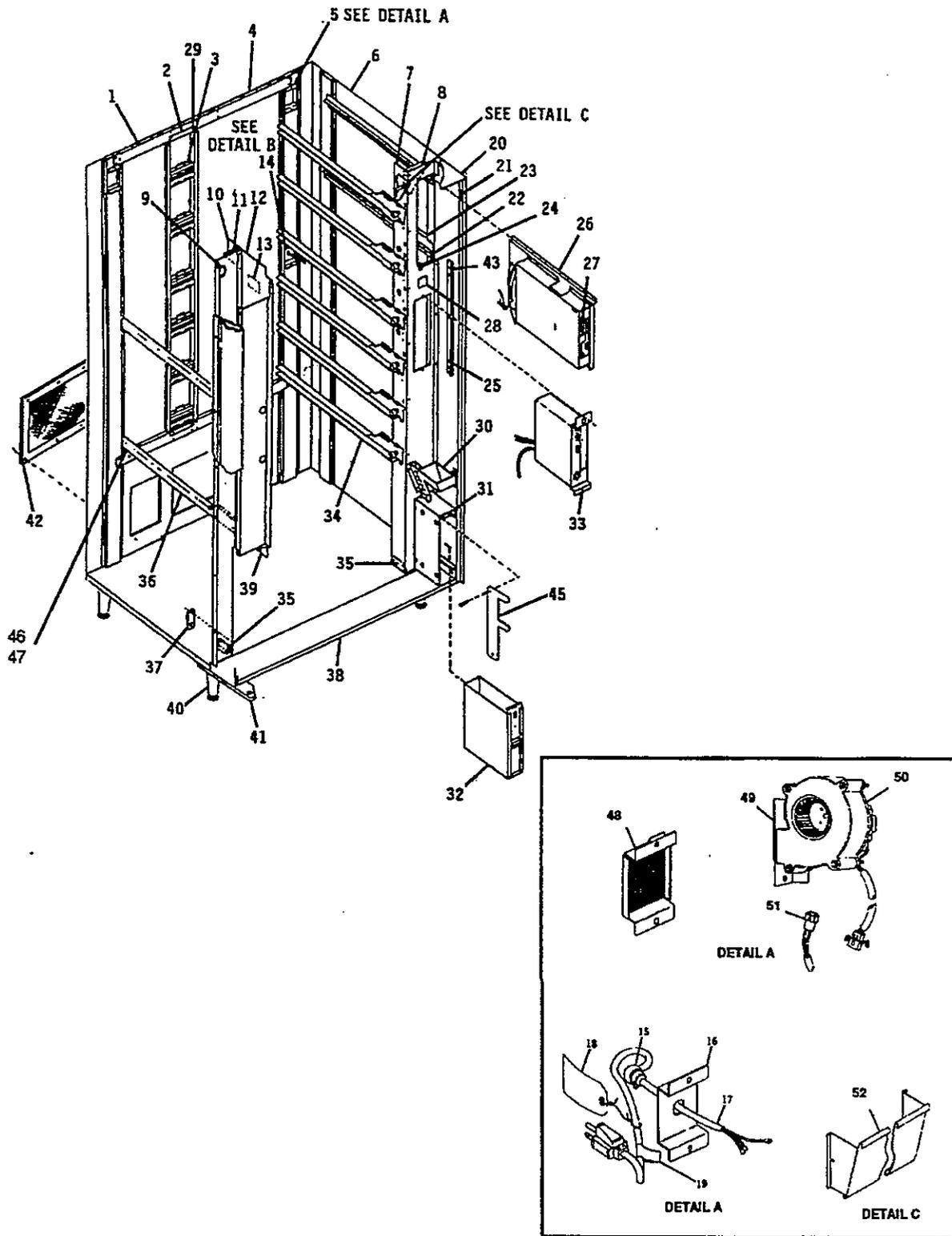
FIGURE 8

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
10-	Controller Assembly - Pulse Validator - Glasco (See Figure 8, Index 8-26 for Next Higher Assembly)	G1471000	Ref			G4741000	Ref
10-1	Cover - Control Panel	1471188	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	4				
10-2	Harness - Validator	1471073	1				
10-3	Chassis - Controller	1471187	1				
10-4	PCB Assembly Coin Mech and Validator Interface	9989586	1				
	(Plastic Expansion Nut - 1/4 Spacer)	9989329	4				
	(Screw #8-32 x 1/2 PHS)	1471199	4				
10-5	Clamp - Cable	3102348	1			4732024	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
10-6	Harness - Cabinet - 6 Tray	1471183	1				
10-7	NOT USED						
10-8	Harness - Power Supply Interface	1471079	1				
10-9	PCB Assembly - Snack Interface	1471291	1				
	(Plastic Expansion Nut - 1/4 Spacer)	9989329	4				
	(Screw #8-32 x 1/2 PHS)	1471199	2				

FIGURE 10

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
10-10	Wire Clamp - 1/4 inch	1211161	1				
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
10-11	Controller Assembly - Snack	G4741001	1			G4741001	1
	(Includes Index 10-12 and 10-13)						
	(Plastic Expansion Nut - 1/4 Spacer)	9989329	6				
	(Screw #8-32 x 1/2 PHS)	1471199	6				
10-12	PCB Assembly	9989556	1				
10-13	IC Assembly EPROM (U14)	G4741034	1				
10-14	Cable Assembly - 34 Conductor	1471135	1				
10-15	Jumper - Validator Interface	1471113	1				
10-16	Harness - Coin Handling Board	1471109	1				
10-17	Ground Screw #8-32 x 5/16, Hex W/Hd)	3157060	1				2
10-18	Harness - Coin Handling - Power	1471123	1				
10-19	Clamp - Cable	3102491	1			4732024	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
10-20	Harness - Temperature Sensor	N/A				4401020	1
10-21	NOT USED						
10-22	Clamp - Cable	N/A				1452139	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)					1451097	1
10-23	Clamp - Cable	3102348	1			4241250	1
	(Screw #8-32 x 5/16, Hex Hd, T/F)	1451097	1				
10-24	Clamp - Cable	3102348	2			4732024	2
	(Screw #8-18 x 3/4, RHS, S/T)	4041106	1				
	OPTIONS						
	Controller Assembly - Serial Validator - Glasco (Same as G1471000, G4741000)	G1471003	1			G4741003	1
	Controller Assembly - No Validator - Glasco (Same as G1471000 except for the following: Delete Index 2 and Index 15.)	G1471004	1			N/A	
	Controller Assembly - NoValidator - Glasco (Same as G4741000 except for the following: Delete Index 15.)	N/A				G4741007	1
11-	Power Panel Assembly (See Figure 8/Index 8-33 for Next Higher Assembly)	1471076	Ref			4741053	Ref
11-1	Power Control Panel Assembly	1471185	1			4751055	1
11-2	Circuit Breaker	9989336	1			4071041	1
11-3	Circuit Breaker - 1/2 amp	9989426	1				
11-4	Switch - DPST	9984628	1			9984616	1
	(Screw #6-32 x 1/4,PHS)	N/A				9900124	2
11-5	Label - Power Control Panel	1471196	1				
11-6	Harness - Coin Mechanism	1471174	1				
	(Screw #4-40 x 1/4 RHS)	1212140	2				
	(Nut #4-40 W/Lw)	1217159	2				
11-7	Clamp - Cable - 3/8 inch	2302227	1				
	(Screw #8-32 x 5/16, Hex Hd, T/C)	1451056	1				
11-8	Filter - Interference	9989103	1				
	(Screw #8-32 x .31, Hex W/Hd, T/F)	3157060	2				
11-9	Chassis Ground Screw #8-32 x .31, Hex W/Hd, T/F	3157060	2				
11-10	PCB Assembly - Power Supply	4302537	1				
	(Plastic Expansion Nut - .250 Spacer)	9989329	4				
	(Screw #8-18 x .50 PHS)	1471199	4				

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FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
11-11	Terminal Block	4255087	1				
	(Screw #8-32 x 1/2, PHS, W/LW, T/C)	9900197	1				
11-12	Wire Clamp - 7/16	3102348	1			N/A	
	(Screw #8-32 x 5/16, Hex Hd, T/C)	1451056	1			N/A	
	Wire Clamp - 1/2	N/A				3102491	1
	(Screw #8-32 x 5/16, Hex Hd, T/C)	N/A				1451056	1
11-13	Transformer Assembly	9989013	1				
	(Screw 8-32 x 1.25 Hex, T/F)	1451133	4				
11-14	Harness - Power Supply Interface to Controller	1471100	1				
11-15	Harness - Power	1471175	1			4741054	1
11-16	Cover - Power Control Panel (Not Shown)	1471077	1				
	(Screw #8-32 x 5/16, Hex Hd, T/C)	1451056	3				
11-17	Jumper - Power Supply	N/A				4751054	1
11-18	Label - USA Power Panel (Not Shown)	N/A				4741049	1
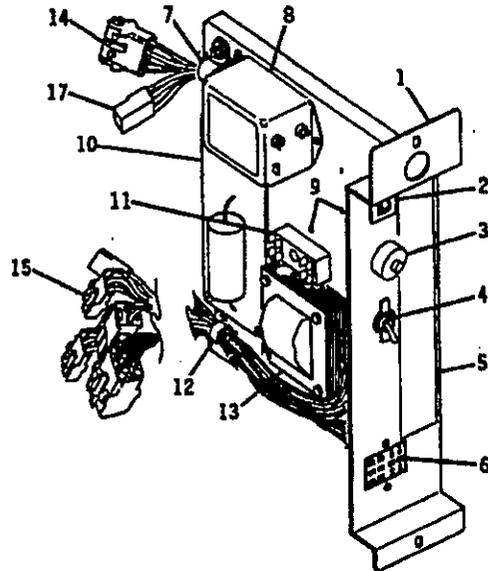
FIGURE 11

13-	Door Assembly - Common (See Figure 2/3, Index 2 for Next Higher Assembly)	——	Ref	——	Ref	G4742000	Ref
13-1	Glass Display	1452059	1	1462014	1		
13-2	Channel - Glass - Lower	1402120	1	1462008	1		
13-3	Channel - Glass - Horizontal A: 112 inches required B: 105 1/4 inches required	2222124	A	2222124	B		
13-4	Plate - Glass Retainer	1472048	2				
	(Screw #8-32 x 5/16 T/F)	1451097	7				
13-5	Panel Assembly - Glass - Lower	1472220	1			1482200	1
	(Screw #8-32 x 5/16 T/F)	1451097	4				
13-6	Ballast Assembly - Light	6152188	1	3151058	1		
13-7	Screw #4-36 x 5/8 RHS	3107171	2				
13-8	Bracket - Light Tube	1452034	1	4732018	1		
	(Nut #8-32 W/LW)	9900081	5				
13-9	Harness - Fluorescent Light	1452042	1	1462067	1		
	Retainer - Harness - 3/8 diameter (Not Shown)			1452139	2		

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
13-10	Screw #4-36 x 7/16 RHS	1452076	2				
13-11	Jumper - Filter and Fluorescent Light	3156032	1				
13-12	Network - Suppression	1451124	1				
13-13	Starter - Fluorescent Light	2302218	1	2222095	1		
13-14	Lamp - Fluorescent - 25 watt	1172115	1	1122138	1		
13-15	Bracket - Door Retention	1472040	1				
13-16	Bolt 1/4-20 x 1.00 Hex Head	1106657	1				
13-17	Bushing - Door Check	1142017	1				
13-18	Arm - Door Check	1472045	1				
13-19	Nut 1/4-20 Whiz-Lock	1172021	1				
13-20	Retainer - Door Pivot	1472142	1				
	(Screw #8-32 x 5/16 Hex T/F)	1451097	2				
13-21	Delivery Pan Assembly	- - - - -		- - - - -		G4742001	1
	(See Section E, Figure 2 For Breakdown)						
	(Screw #8-32 x 5/16 Hex T/F)	1451097	6				
13-22	Stud - Door Holder	1122011	1				
13-23	Roller	1122021	1				
13-24	Adjustment Plate Sub-assembly	1172023	1				
	(Screw #10-32 x 3/8 T/F)	1141046	2				
13-25	Nut #10-32 Self-LockinG	9900207	1				
13-26	Screw 1/4-20 x 3/4 Hex Hd	1141054	1				
13-27	Cap - LeG	1472106	1	N/A			
13-28	Support - Door	1472103	1	N/A			
13-29	Nut 1/4-20 Whiz-Lock	1172021	1	N/A			
13-30	Plug - Hole	N/A		1482149	1		
13-31	Coin Receptacle Assembly	———	1	———	1	———	1
	(See Figure 19 for Breakdown)						
	(Spacer - Cup)	2302053	4				
	(Screw #8-32 x 1/2 PHS, S/T)	4042512	4				
13-32	Handle Assembly - Door Latch and	———	1	———	1	———	1
	(See Figure 20 for Breakdown)						
13-33	Guide - Lock Bar	1472250	1				
13-34	Lock Bar Assembly	1472178	1				
13-35	Frame - Monetary	G1472010	1				
	(Screw #6-32 x 1/4 PHS, T/C, Phillips)	1472132	10				
13-36	Hinge Assembly - Door Upper	1472042	1				
	(Screw 1/4-20 x 3/4 FHD)	1472262	2				
	(Nut 1/4-20 Whiz-Lock)	1172021	2				
	(Bolt - Carriage 5/16-18 x 3/4)	1171021	2				
	(Nut 5/16-18 Whiz-Lock)	1171022	2				
13-37	Hinge Assembly - Door Lower (NOT SHOWN)	1472189	1				
	(Screw 1/4-20 x 3/4 Flat Hd)	1472092	2				
	(Nut 1/4-20 Whiz-Lock)	1172021	2				
13-38	Bearing (not shown)	4242145	1				
13-39	Label - Caution	2222699	1				
13-40	Door Assembly - Weldment	1472301	1	1482005	1		
13-41	Trim Identification	———	1	———	1	———	1
	(See Figure 17 for Breakdown)						
	THE FOLLOWING ARE AVAILABLE AS ASSEMBLIES:						
	Roller Assembly - Door	1472018	1				
	(Consists of Index 13-22 thru Index 13-26)						
	Light Assembly - Fluorescent	1472049	1	1482122	1		
	(Consists of Index 13-7 thru Index 13-10)						
	Glass Assembly - Door	1452209	1	1462099	1		
	(Consists of Index 13-1 thru Index 13-3)						
	(See Figure 13/14, Index 21 for Next Higher Assembly)						
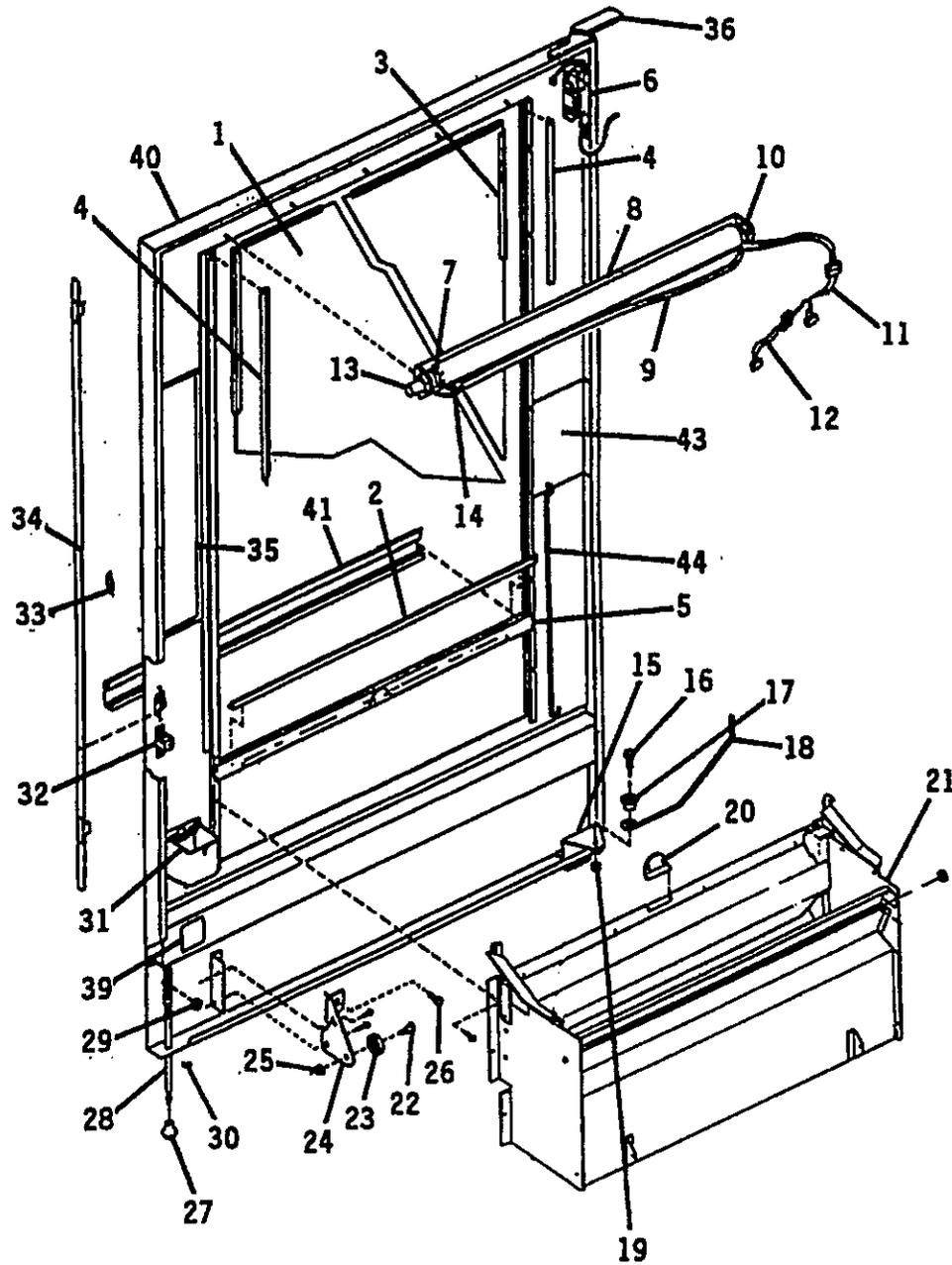
FIGURE 13

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
17-	Trim Identification (See Figure 13, Index 13-41 for Next Higher Assembly)	———	Ref				
17-1	Trim - Door - Outer Side	G1472025	2				
17-2	Trim Panel - Glass - Lower	G1472019	1	G1482010	1		
17-3	Trim - Door - Inner Side	G1472026	1				
17-4	Trim - Coin Receptacle - Gray	G1472021	1				
17-5	Panel - Top Trim	G1472006	1	G1482002	1		
17-6	Frame - Monetary	G1472010	1				
17-7	Base - Lever Lock	1172191	1				
17-8	Lever - Lock	1172190	1				
17-9	Panel - Right Trim	G1472005	1				
17-10	Panel - Left Trim	G1472003	1	G1482001	1		
17-11	Trim Panel and Support Assembly - Lower	G1472030	1	G1482012	1		
19-	Coin Receptacle Assembly (See Figure 13, Index 13-31, for NHA)	———	Ref				
19-1	Coin Cup	4245081	1				
19-2	Trim - Coin Receptacle - Gray	G1472021	1				
19-3	Gate - Coin Return	4245082	1				
19-4	Spring - Coin Return	4245083	1				
19-5	Shaft - Coin Return Door	4245084	1				
	THE FOLLOWING IS AVAILABLE AS AN ASSEMBLY:						
	Trim Assembly - Coin Cup - Gray (Consists of Index 19-2 thru Index 19-5)	G1472020	1				
20-	Handle Assembly - Door Latch and (See Figure 13, Index 13-32 for Next Higher Assembly)	———	Ref				
20-1	Lever - Lock	1172190	1				
20-2	Pivot - Lever Lock	1302291	1				
20-3	Base - Lever Lock - Gray	1172191	1				
20-4	Screw #10-32 x 1/2, RHS, W/LW	1217161	5				
20-5	Cup Spacer	1302289	2				
20-6	Actuator Assembly - Lock Bar	2272052	1				
20-7	Shield - Latch	1302326	1				
20-8	Washer 7/16 OD x 3/16 ID	9900121	1				
20-9	Catch - Door Latch	1302324	1				
20-10	Latch - Lower Lock	1302290	1				

FIGURE 20
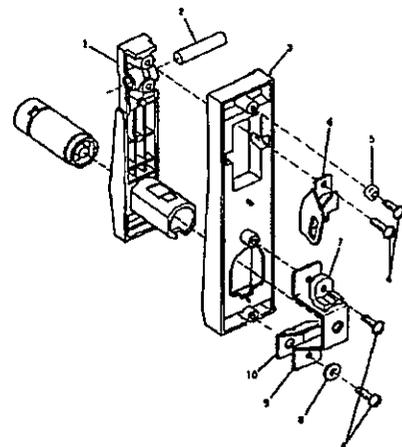
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FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY
22-	Tray and Spiral Assembly - 10 Candy (See Figure 22, Index 4 for Next Higher Assembly)	———	Ref		N/A
	Tray and Spiral Assembly - 8 Candy (See Figure 2/3, Index 4 for Next Higher Assembly)	N/A		G1487000	Ref
22-1	Tray Assembly - 10 Candy (Consists of Index 22-2 thru Index 22-16)	G1477001	1		N/A
	Tray Assembly - 8 Candy (Contains Index 22-2 and Index 22-4 thru Index 22-16)	N/A		G1487001	2
22-2	Harness - Tray - 4 Motor (See Index 22-1 for Next Higher Assembly)	1477094	1		2
22-3	Harness - Tray - 6 Motor (See Index 22-1 for Next Higher Assembly)	1477005	1	N/A	
22-4	Coupling - Spiral (See Index 22-1 for Next Higher Assembly)	1477113	10		8
22-5	Retainer - Spiral - Wall (See Index 22-1 for Next Higher Assembly)	1477083	7		
22-6	NOT USED				
22-7	PCB and Motor Assembly (See Index 22-1 for Next Higher Assembly)	1477112	10		8
22-8	PCB Assembly - Tray (See Index 22-1 for Next Higher Assembly)	1477085	1		
22-9	Holder - Price and Selection (See Index 22-1 for Next Higher Assembly)	1477157	1	1487016	1
22-10	Rail - Price and Selection (See Index 22-1 for Next Higher Assembly)	1477134	1	1487009	1
	(Nut #8-32 Self-Locking, Black)	1412046	3		2
	(Washer - Hopper Release)	5560113	3		2
	(T-bolt - Trim)	2222031	3		
22-11	Latch (See Index 22-1 for Next Higher Assembly)	1477017	2		
	(Push-On Retainer)	5201267	2		
22-12	Axle - Tray Roller (See Index 22-1 for Next Higher Assembly)	1477097	2		
22-13	Price Roll	1477014	10		8
22-14	Roller - Tray (See Index 22-1 for Next Higher Assembly)	1477148	2		
22-15	Wall - Tray (See Index 22-1 for Next Higher Assembly)	1477175	9		7
22-16	Tray - 5 and 10 Selection (See Index 22-1 for Next Higher Assembly)	1477001	1	N/A	
	Tray - 4 and 8 Selection (See Index 22-1 for Next Higher Assembly)	N/A		1487001	1
	Screw #5-20 x 5/8, Hex W/Hd, T/F, Black (Not Shown) (See Index 22-16 for Next Higher Assembly)	1477122	2		
	SPIRAL OPTIONS				
22-17	Spiral & Retainer Assembly 11 Count, LH Blue Includes the following two items:	1477023	Opt		
	Spiral - 11 Count, LH - Black	1477024	1		
	Retainer - Spiral - Blue	1457061	1		
22-17A	Spiral & Retainer Assembly 11 Count, RH Blue Includes the following two items:	1477026	Opt		
	Spiral - 11 Count, RH - Black	1477027	1		
	Retainer - Spiral - Blue	1457061	1		

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
22-17B	Spiral & Retainer Assembly 13 Count, LH Yellow	1477029	Opt				
	Includes the following two items:						
	Spiral - 13 Count, LH - Black	1477030	1				
	Retainer - Spiral - Yellow	1457062	1				
22-17C	Spiral & Retainer Assembly 13 Count, RH Yellow	1477032	Opt				
	Includes the following two items:						
	Spiral - 13 Count, RH - Black	1477033	1				
	Retainer - Spiral - Yellow	1457062	1				
22-17D	Spiral & Retainer Assembly 15 Count, LH Red	1477035	Opt				
	Includes the following two items:						
	Spiral - 15 Count, LH - Black	1477036	1				
	Retainer - Spiral - Red	1457063	1				
22-17E	Spiral & Retainer Assembly 15 Count, RH Red	1477038	Opt				
	Includes the following two items:						
	Spiral - 15 Count, RH - Black	1477039	1				
	Retainer - Spiral - Red	1457063	1				
22-17F	Spiral & Retainer Assembly 20 Count, LH White	1477041	Opt				
	Includes the following two items:						
	Spiral - 20 Count - LH - Black	1477042	1				
	Retainer - Spiral - White	1457064	1				
22-17G	Spiral & Retainer Assembly 20 Count-RH White	1477044	Opt				
	Includes the following two items:						
	Spiral - 20 Count, RH - Black	1477045	1				
	Retainer - Spiral - White	1457064	1				
22-17H	Spiral & Retainer Assembly 17 Count-LH Brown	1477101	Opt				
	Includes the following two items:						
	Spiral - 17 Count, LH - Black	1477100	1				
	Retainer - Spiral - Brown	1477106	1				
22-17J	Spiral & Retainer Assembly 17 Count-RH Brown	1477099	Opt				
	Includes the following two items:						
	Spiral - 17 Count, RH - Black	1477098	1				
	Retainer - Spiral - Brown	1477106	1				
22-17T	Spiral & Retainer Assembly 9 Count-RH Gray	1477149	Opt				
	Includes the following two items:						
	Spiral - 9 Count, RH - Black	1477150	1				
	Retainer - Spiral - Gray	1477155	1				
22-17U	Spiral & Retainer Assembly 9 Count-LH Gray	1477152	Opt				
	Includes the following two items:						
	Spiral - 9 Count, LH - Black	1477153	1				
	Retainer - Spiral - Gray	1477155	1				

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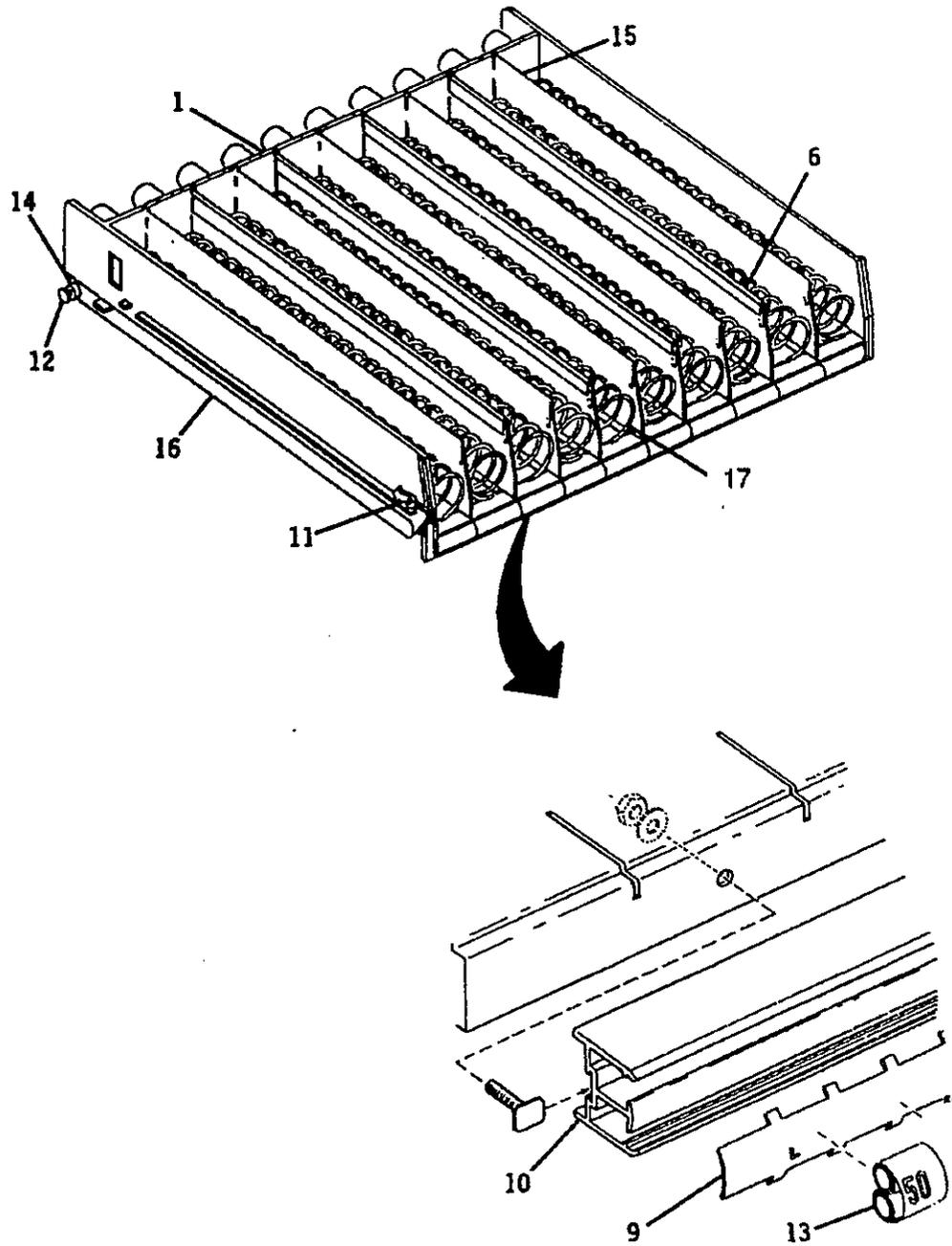
FIGURE 22 (1 OF 2)

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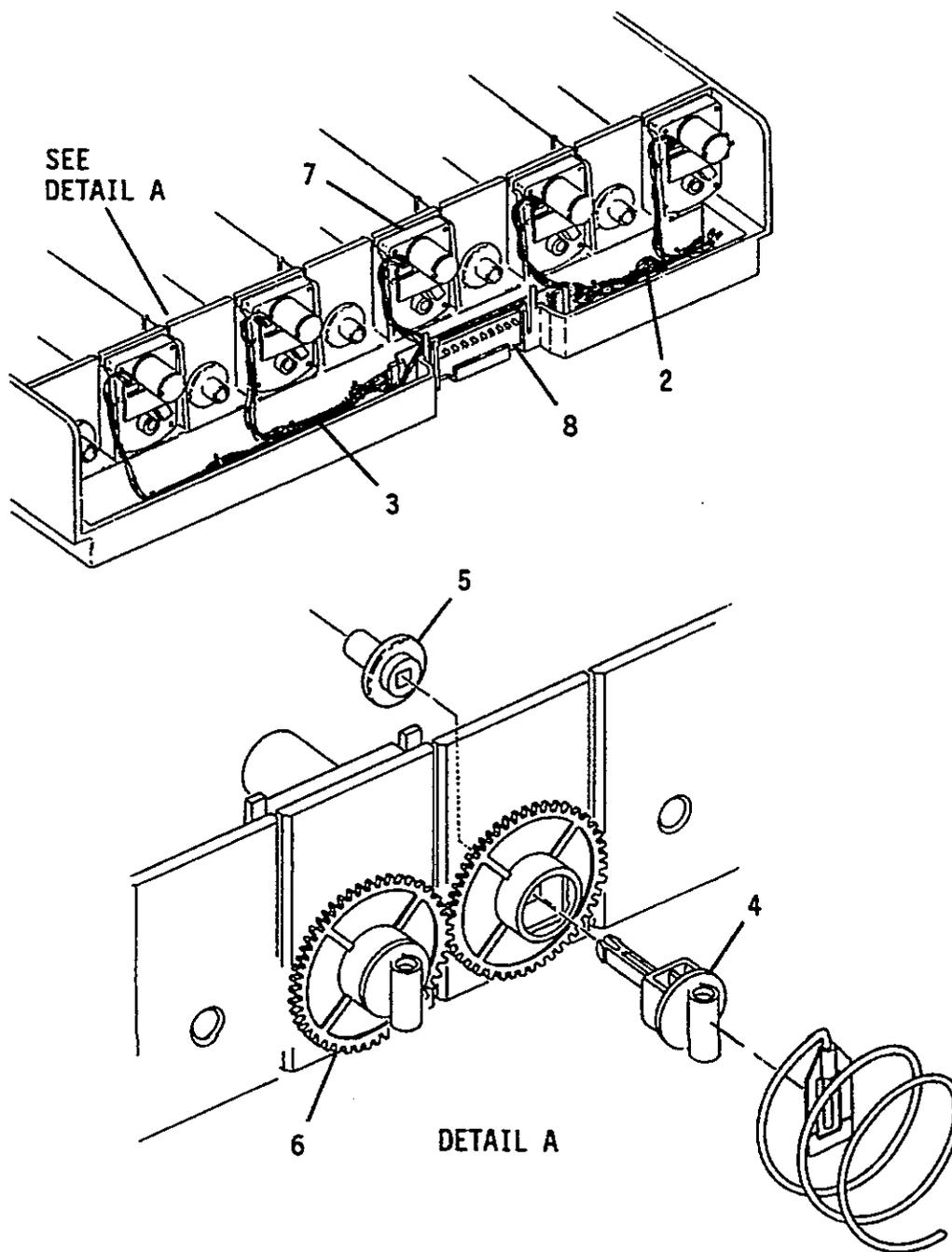
FIGURE 22 (2 OF 2)

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
23-	Tray and Spiral Assembly - 5 Snack (See Figure 2/3, index 3 for Next Higher Assembly)	- - - - - - -	Ref	N/A			
23-1	Tray Assembly - 5 Snack (Consists of Index 23-2 thru Index 23-16)	1477067	1	N/A			
	Tray Assembly - 4 Snack (Contains Index 23-2 and Index 23-4 thru Index 23-16)	N/A		1487004	1		
23-2	Harness - Tray - 2 Motor (See Index 23-1 for Next Higher Assembly)	1477002	1		2		
23-3	Harness - Tray - 3 Motor (See Index 23-1 for Next Higher Assembly)	1477003	1	N/A			
23-4	Coupling - Spiral (See Index 23-1 for Next Higher Assembly)	1477113	10		8		
23-5	Bearing - Coupler (See Index 23-1 for Next Higher Assembly)	1477022	5		4		
23-6	Gear - Tray (See Index 23-1 for Next Higher Assembly)	1477020	10		8		
23-7	PCB and Motor Assembly (See Index 23-1 for Next Higher Assembly)	1477112	5		4		
23-8	PCB Assembly - Tray (See Index 23-1 for Next Higher Assembly)	1477085	1		1		
23-9	Holder - Price and Selection (See Index 23-1 for Next Higher Assembly)	1477157	1	1487016	1		
23-10	Rail - Price and Selection (See Index 23-1 for Next Higher Assembly)	1477134	1	1487009	1		
	(Nut #8-32 Self-Locking, Black)	1412046	3		2		
	(Washer - Hopper Release)	5560113	3		2		
	(T-bolt - Trim)	2222031	3		2		
23-11	Latch (See Index 23-1 for Next Higher Assembly) (Push-On Retainer)	1477017 5201267	2 2				
23-12	Axle - Tray Roller (See Index 23-1 for Next Higher Assembly)	1477097	2				
23-13	Price Roll	1477014	5		4		
23-14	Roller - Tray (See Index 23-1 for Next Higher Assembly)	1477148	2				
23-15	Wall - Tray (See Index 23-1 for Next Higher Assembly)	1477175	4		3		
23-16	Tray - 5 and 10 Selection (See Index 23-1 for Next Higher Assembly)	1477001	1	N/A			
	Tray - 4 and 8 Selection (See Index 23-1 for Next Higher Assembly)	N/A		1487001	1		
	SPIRAL OPTIONS						
23-17	Spiral & Retainer Assembly 11 Count, LH Blue Includes the following two items:	1477023	Opt				
	Spiral - 11 Count, LH - Black	1477024	1				
	Retainer - Spiral - Blue	1457061	1				
23-17A	Spiral & Retainer Assembly 11 Count, RH Blue Includes the following two items:	1477026	Opt				
	Spiral - 11 Count, RH - Black	1477027	1				
	Retainer - Spiral - Blue	1457061	1				
23-17B	Spiral & Retainer Assembly 13 Count, LH Yellow Includes the following two items:	1477029	Opt				
	Spiral - 13 Count, LH - Black	1477030	1				
	Retainer - Spiral - Yellow	1457062	1				
23-17C	Spiral & Retainer Assembly 13 Count, RH Yellow Includes the following two items	1477032	Opt				
	Spiral - 13 Count, RH - Black	1477033	1				

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
	Retainer - Spiral - Yellow	1457062	1				
23-17D	Spiral & Retainer Assembly 15 Count, LH Red	1477035	Opt				
	Includes the following two items:						
	Spiral - 15 Count, LH - Black	1477036	1				
	Retainer - Spiral - Red	1457063	1				
23-17E	Spiral & Retainer Assembly 15 Count, RH Red	1477038	Opt				
	Includes the following two items:						
	Spiral - 15 Count, RH - Black	1477039	1				
	Retainer - Spiral - Red	1457063	1				
23-17F	Spiral & Retainer Assembly 20 Count, LH White	1477041	Opt				
	Includes the following two items:						
	Spiral - 20 Count - LH - Black	1477042	1				
	Retainer - Spiral - White	1457064	1				
23-17G	Spiral & Retainer Assembly 20 Count-RH White	1477044	Opt				
	Includes the following two items:						
	Spiral - 20 Count, RH - Black	1477045	1				
	Retainer - Spiral - White	1457064	1				
23-17H	Spiral & Retainer Assembly 17 Count-LH Brown	1477101	Opt				
	Includes the following two items:						
	Spiral - 17 Count, LH - Black	1477100	1				
	Retainer - Spiral - Brown	1477106	1				
23-17J	Spiral & Retainer Assembly 17 Count-RH Brown	1477099	Opt				
	Includes the following two items:						
	Spiral - 17 Count, RH - Black	1477098	1				
	Retainer - Spiral - Brown	1477106	1				
23-17T	Spiral & Retainer Assembly 9 Count-RH Gray	1477149	Opt				
	Includes the following two items:						
	Spiral - 9 Count, RH - Black	1477150	1				
	Retainer - Spiral - Gray	1477155	1				
23-17U	Spiral & Retainer Assembly 9 Count-LH Gray	1477152	Opt				
	Includes the following two items:						
	Spiral - 9 Count, LH - Black	1477153	1				
	Retainer - Spiral - Gray	1477155	1				

FIGURE 23 (1 OF 2)

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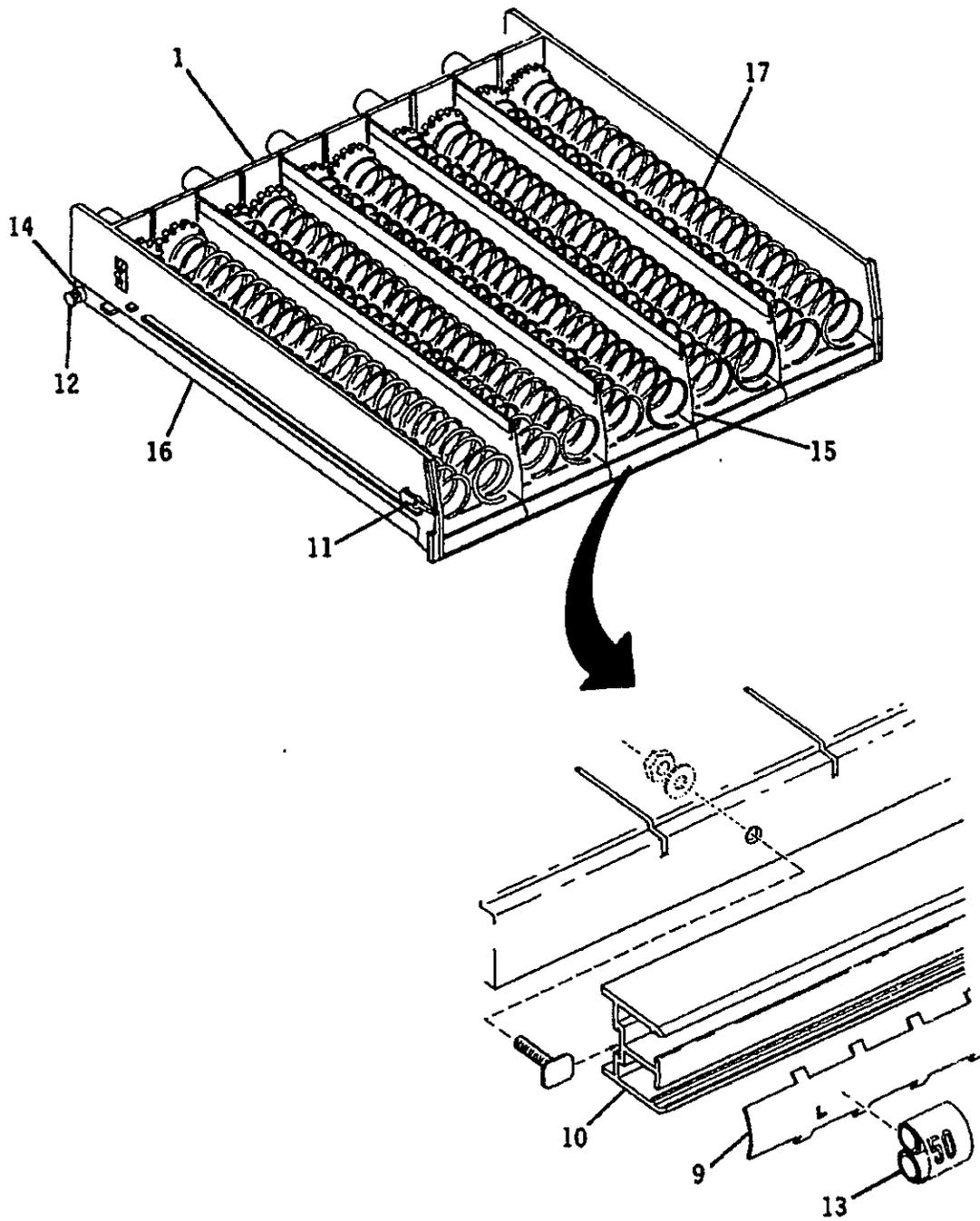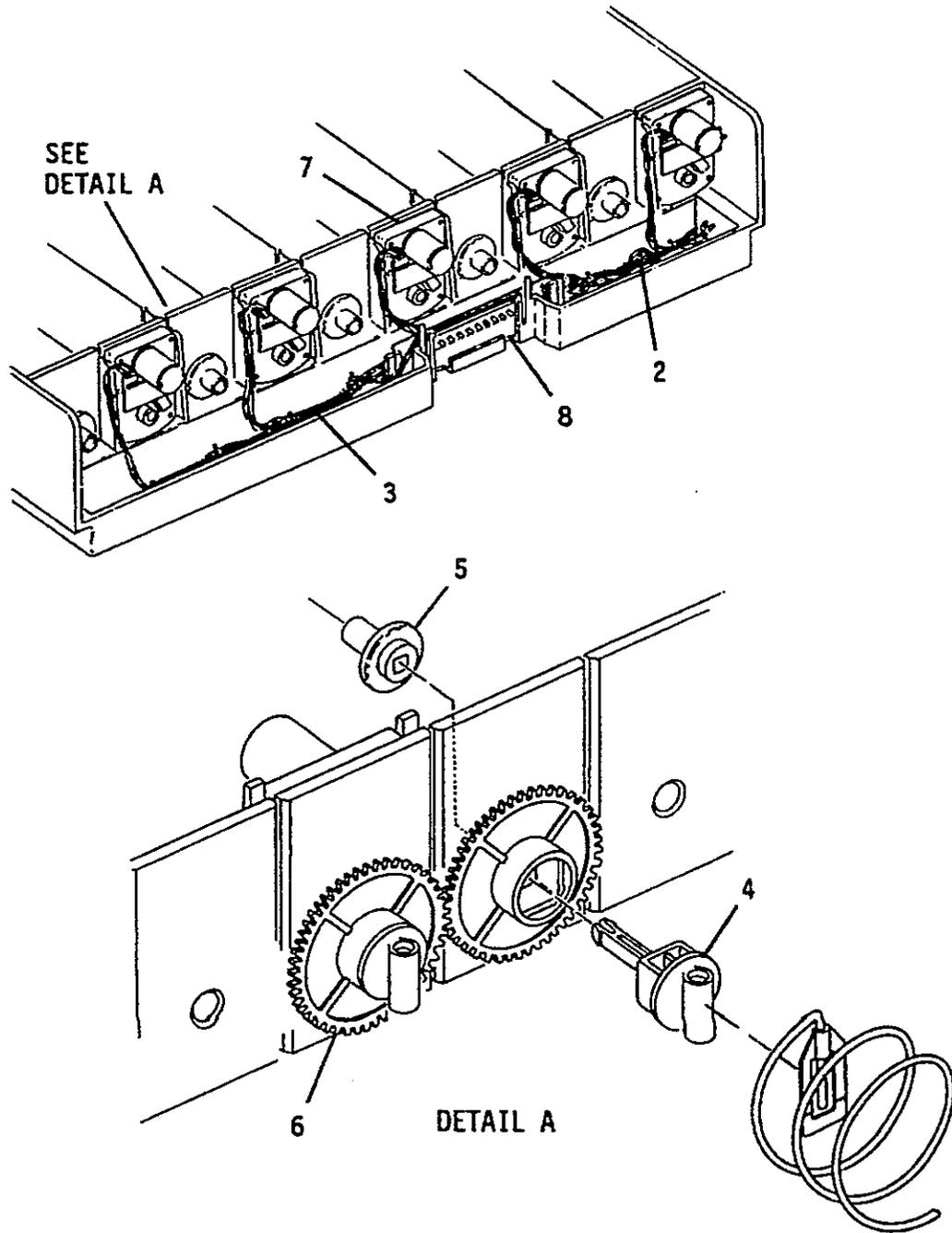
FIGURE 22 (2 OF 2)

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
24-	Panel Assembly - Monetary (See Figure 2/3, Index 5 for Next Higher Assembly)	G1475009	Ref				
24-1	Panel and Stud Assembly	1475090	1				
24-2	Switch	9989594	1				
24-3	NOT USED						
24-4	NOT USED						
24-5	NOT USED						
24-6	Faceplate Assembly - Glasco (See Figure 25 for Breakdown)	G1475007	1				
	(Spacer Cup)	2302053	8				
	(Screw #8-10 x 3/8, Hex, T/F)	1437204	8				
24-7	NOT USED						
24-8	Insert - Instructions - Lower - No Validator	G1475004	1				
24-9	Coin Insert	1472223	1				
24-10	Button - Coin Return	1475026	1				
24-11	Shaft - Coin Return	1475072	1				
24-12	Bracket - Coin Return Button	1475008	1				
	(Nut #8-32 W/LW)	9900081	2				
24-13	Spring - Shelf Reset	1127808	1				
24-14	Bracket - Coin Mech)	6235024	1				
	(Nut #8-32 W/LW	9900081	4				
24-15	Arm - Scavenger	6235025	1				
	(Screw #8-32 x 5/16,HWS)	1451056	2				
	(Spacer - Release)	2228011	2				
24-16	Bracket - Mounting	1475099	2				
	(Screw #6-32 x 1/4, PHS, W/LW)	9900109	4				
24-17	PCB Assembly - Display	9989538	1				
24-18	Cable Assembly - Ribbon	1472261	1				
24-19	Cover - Display PCB	1475100	1				
	(Screw #8-18 x 3/4, RHS, T/F)	4041106	2				
24-20	Clip - Cable	4302166	1				
24-21	Magnet - Retainer	3122056	2				
24-22	Plate - Magnet Mounting	1475071	1				
	(Screw #8-32 x 1/4, PHS, T/F)	4245186	3				
24-23	Chute Assembly - Coin Insert	1475083	1				
	(Spacer Cup)	2302053	2				
	(Screw #8-10 x 3/8, Hex, T/F)	1437204	2				
24-24	Coin Mechanism, MARS TRC6000	5900116	1				
24-25	Clamp - Cable - 3/8	1452139	1				
24-26	Clamp - Wire	1451042	1				
	(Cover - Clamp)	1451043	1				
	(Nut #8-32 W/LW)	9900081	2				
24-27	Label - Instructions - Price Setting and Coin Payout	G1471007	1				
24-28	Screw #8-32 x 5/16, Hex, T/F	1451097	4				
24-29	Screw #10-32 x 5/16, THS, T/F	1452312	2	N/A			
24-30	Bracket - No Validator	1475048	1				

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
	OPTIONS						
24-31	Validator - MAKA	1475053	1				
	(Screw #8-32 x 3/8, PHS, T/F)	5500026	3				
	Validator - MARS VFM-3 Serial	3152391	1				
	(Screw #8-32 x 3/8, PHS, T/F)	5500026	3				
	Validator - MARS VFM-1 Pulse	3152444	1				
	(Screw #8-32 x 3/8, PHS, T/F)	5500026	3				
24-32	Insert - Instruction - MAKA	G1475002	1				
	Insert - Instruction - MARS	G1475003	1				
24-33	Plate - Instruction - Selection	G1475001	1				
	Insert - Instr. - Upper Coins Only	G1475000	1				
24-34	Clamp - Cable - 7/16 (NOT SHOWN)	3102348	1				
24-35	Clamp - Cable - 3/8 (Self-Adhesive)	6131143	1				
24-36	Label - Instruction - Alternate - $1 & $5 (Self-Adhesive)	G1475005	1				
	THE FOLLOWING ARE AVAILABLE AS ASSEMBLIES:						
	Button Assembly - Coin Return (Includes Index 24-10 and Index 24-11)	1475073	1				
	Display Assembly (Includes Index 24-16 thru Index 24-18)	1475018	1				
	Bracket Assembly - Coin Mech (Includes Index 24-14 and Index 24-15)	1475016	1				

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SEE
DETAIL A

1

SEE
DETAIL C

19

20

21

22

23

26

35

SEE
DETAIL B

25

SEE
DETAIL D

24

FIGURE 24 (1 OF 3)

1 Ref
2
27
6
33
8
9

DETAIL A

6 Ref

33

1 Ref

32
36

31
29

28

30

DETAIL B

FIGURE 24 (2 OF 3)

DETAIL C
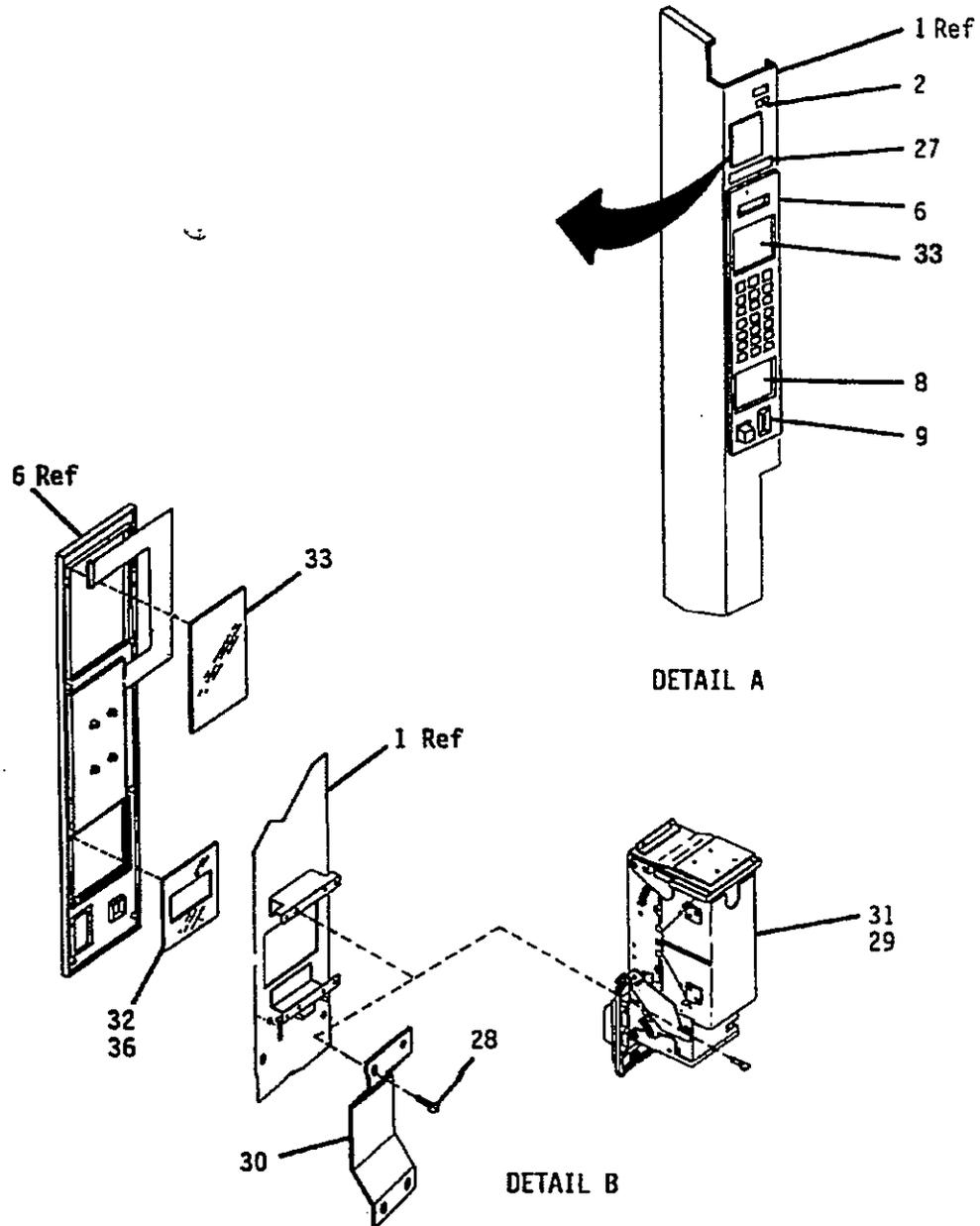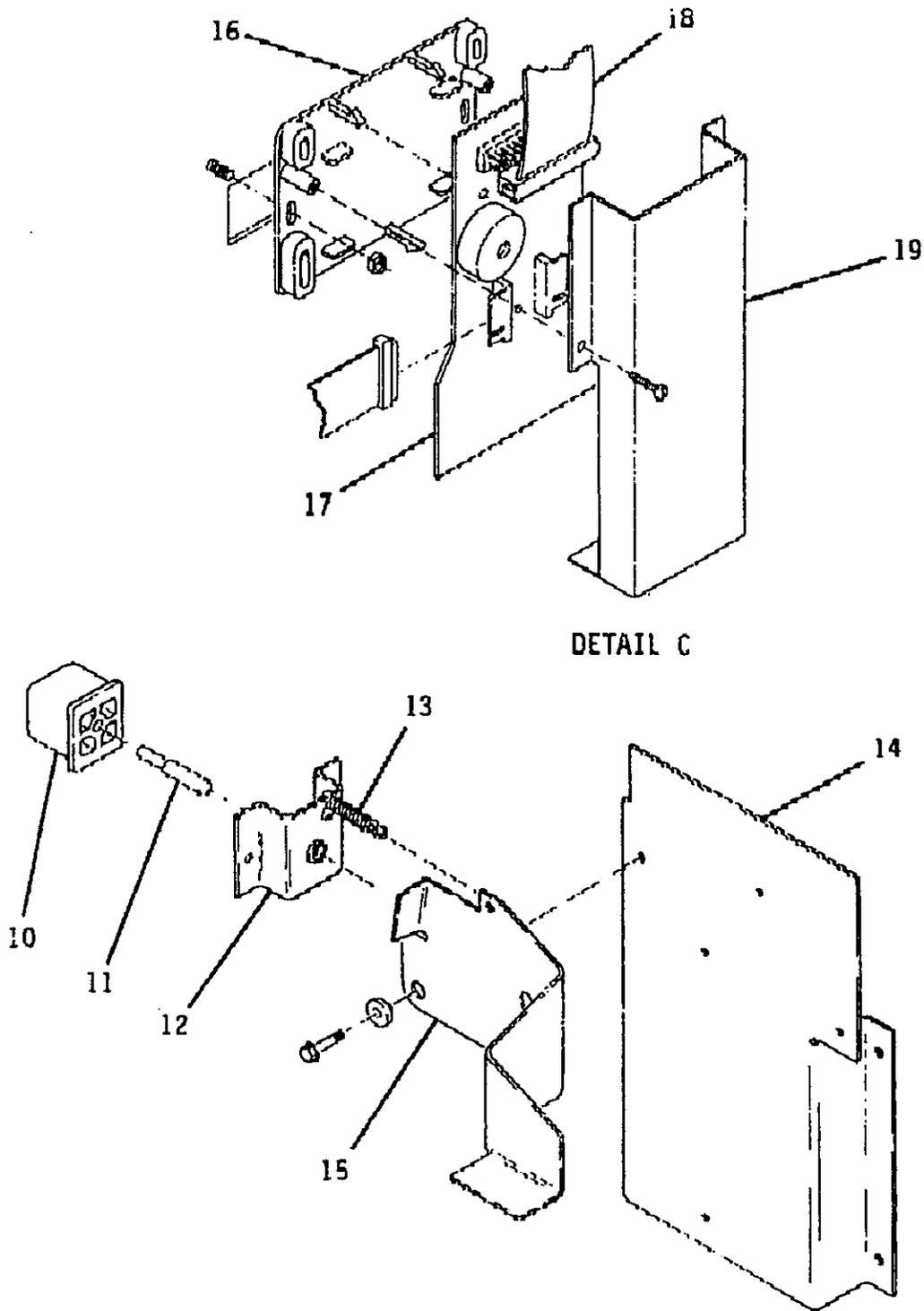
FIGURE 24 (3 OF 3)

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY	GCF-2 PART NO.	QTY
25-	Faceplate Assembly - Glasco (See Figure 24, Index 24-6 for Next Higher Assembly)	G1475007	Ref				
25-1	Palnut - Self-ThreadinG	1475089	4				
25-2	Plate - Selection Switch Back	1475030	1				
25-3	Switch Assembly - Selection	1475029	1				
25-4	Letter Sheet - Selection Switch - Glasco	G1475006	1				
25-5	Lens - Pushbutton	1472251	21				
25-6	Faceplate - Monetary - Glasco	G1475008	1				
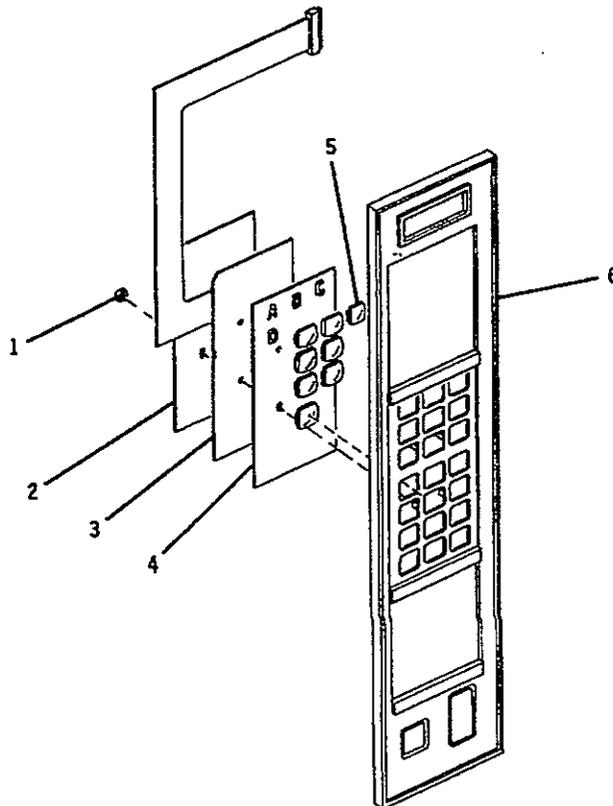
FIGURE 25

Glasco™

FIGURE INDEX NUMBER	DESCRIPTION	GS-1 PART NO.	QTY	GS-2 PART NO.	QTY
	OPTIONS AND ACCESSORIES				
	Gum and Mint Column	1479000	1	1489000	1
	Bracket - Gum and Mint	1479141	1	1489009	1
	Rod - Gum and Mint Support	1479140	1		
	Clamp - Cable	4752037	1		
	Baseplate and Accessory Assembly	1471200	1	1481039	1