

Series

700

Bankable

Polycond[®]

TABLE OF CONTENTS

WARRANTY	1
GENERAL INFORMATION	2
SPECIFICATIONS	2
ELECTRICAL SPECIFICATIONS	2
EQUIPMENT CONFIGURATION	2
EQUIPMENT INSTALLATION	3-4
PRODUCT LOADING	5-6
SPECIAL PRODUCT LOADING	7
GUM AND MINT TRAY LOADING	a
CAN DISPENSER LOADING (MICROWAVE TYPE TUBS)	9
PRIMARY CABINET COMPONENT INFORMATION	1 0-13
DECORE PANEL INSTALLATION	14-15
EQUIPMENT MODIFICATION (EQUIPMENT THROUGH 30” DOOR).....	15
SWING-OUT PANEL REMOVAL	16
ELECTRICAL SERVICE SECTION	17-19
ERROR CODES.....	19
CONTROL BOARD DETAILED OPERATION	2 0 - 2 6
SERVICE SECTION	27-30
CLEANING INSTRUCTIONS	28
SHIPPING POLICY	29
SHOCK WATCH PROCEDURES	30
TROUBLE SHOOTING SECTION	31-34
PARTS LISTS	35-69
POWER PANEL ELECTRIC SCHEMATIC	36
POWER PANEL ASSEMBLY	37-38
FRONT DOOR ASSEMBLY (INSIDE OF DOOR)39-40
FRONT DOOR ASSEMBLY (OUTSIDE FRONT).....	41-42
GENESIS FRONT DOOR CONVERSION KIT	43-44
IMPERIAL CROWN FRONT DOOR CONVERSION KIT	45-46
TRON FRONT DOOR CONVERSION KIT	47-48
DOOR STOP ASSEMBLY	49-50
SWING-OUT PANEL ASSEMBLY	51-53
HELIX ASSEMBLY.....	54
GUM AND MINT DISPENSER ASSEMBLY	55-56
COMPLETE CABINET ASSEMBLY	57-58
CANDY TRAY ASSEMBLY	59-60
SNACK TRAY ASSEMBLY	61-62
PRIMARY CABINET WIRING DIAGRAM	63-64
LIGHT FIXTURE ASSEMBLY	65-66
COMPLETE ELECTRICAL MACHINE SCHEMATIC	67

WARRANTY LIMITED

Polyvend Inc. warrants this equipment to the ORIGINAL PURCHASER only, for a period of one (1) year from the date of shipment, to be free from defects in material and workmanship, two (2) years on electronic components (Changers and Validators warranted by the manufacturer) and five (5) years on vending motors to the extent such parts are warranted to Polyvend Inc., except for starters, light bulbs and fuses, which will be warranted for two months from date of shipment.

Should any part prove defective within the warranted period, Polyvend Inc. will repair or replace (at its option) the defective component, but will not provide the labor, removal or installation cost associated with such parts. All returned products or parts must be shipped freight prepaid to Polyvend and Polyvend will then prepay the shipping cost of the returned goods. Polyvend Inc. reserves the right to refuse any collect shipment. Any part returned under the terms of this warranty should be accompanied with a brief description of the defect or failure along with the model number and serial number.

This warranty applies only if the equipment is serviced and maintained in strict accordance with the instructions given in the Polyvend Service Manual and that no unauthorized repair or disassembly has been done. Any defect caused by improper source of power supplied, abuse of product, accident, alteration, vandalism, improper cleaning or service techniques will not be covered by warranty.

Polyvend service or repair to items NOT in warranty will be subject to the Standard service charge for repair of the failed components. For warranty or service information call or write to Polyvend Service Department.

POLYVEND INC. GLASS FRONT SERVICE MANUAL SERIES 700-6000 BANKABLE MULTI-NATIONAL

GENERAL

The Polyvend Series 700-6000 Merchandiser has independent dispensing units, each with a helix activated by letter and number push buttons. The Series 700-6000 is a large capacity merchandiser with the capability of changing the front panels to allow the machine to go into a bank of vending equipment and match the existing equipment. The dispensing assemblies are installed on a plug-in, twist and lock basis from the front of the machine providing easy access to displaying units on location. The dispensing units are supplied with helices of various opening widths to accommodate a wide range of products.

SPECIFICATIONS

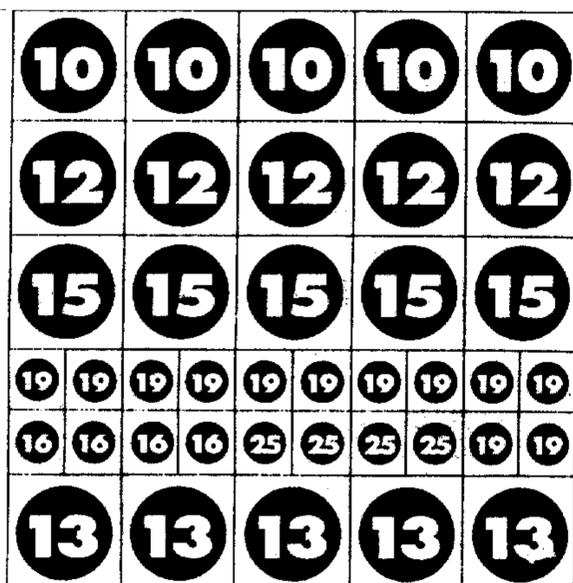
HEIGHT 72"
 WIDTH 37"
 DEPTH 35 1/2"
 SHIPPING WEIGHT Approx. 675 lbs.

ELECTRICAL

PRIMARY VOLTAGE 110 VAC
 SECONDARY VOLTAGE 10/24 VAC
 MAX. CURRENT 3 AMP
 * VOLTAGE TO CHANGER 24 VAC
 VOLTAGE TO BILL VALIDATOR 24 VAC

* Voltage to changer is 24 VAC to accommodate 24 VAC changer and new N.A.M.A. 15 pin plug requirement. DO NOT PLUG a 12 pin 24 VAC changer in to the 15 pin jones plug without the special adapter plugged in first. If you do plug in the 12 pin changer without the adapter, the changer may be damaged.

STANDARD CONFIGURATION



Capacity 642

Product Size Capability

	COUNT	PRODUCT THICKNESS
Snack Helix	15	1"
	12/13	1 1/2"
	10	1 7/8"
Candy Helix	25	1"
	19	1 1/4"
	16	1 1/2"

**Subject to change without notice.

INSTALLATION

Remove all external packing material.

inspect equipment for shipping damage. If evident, file a claim immediately with the carrier (See shipping procedures).

Remove keys from product dispensing compartment (in small manila envelope), unlock the service door and remove the shipping cardboard.

Check the operation of the service door and locking mechanism. They should operate smoothly and latch at all three locking plates.

If optional Gum & Mint installed, remove the plastic ties covering the latch release on each side of the Gum & Mint tray.

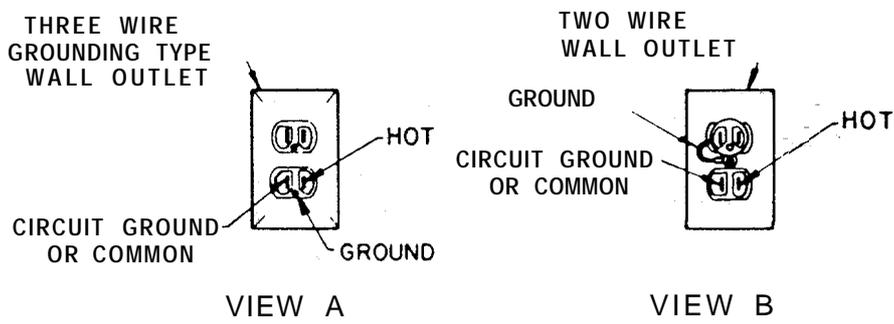
Place machine into position and adjust leveling legs so the machine is level and all the legs sit firmly on the floor.

Plug service cord into 110 VAC source using the three prong grounded plug provided. If a grounded outlet is not available, use a proper external ground on all locations.

NOTE: In order to comply with electrical safety regulations and Underwriters Laboratories requirements, all electrical equipment must be properly polarized and grounded. The Polyvend machine is wired so that it is properly polarized in accordance with the electrical code. If the wall outlet is wired and grounded properly, then the vending machine will connect properly.

Shown in views A and B are two properly grounded and polarized wall outlets. One is a three wire grounded type wall outlet (See View A) and the other is a two wire wall outlet (See View B) with an adapter in place.

Should the polarity at the wall outlet appear any way other than that shown below, the outlet should be rewired by qualified personnel.



CAUTION DISCONNECT POWER TO THE VENDING MACHINE BEFORE REMOVING THE CONTROL BOARD OR COIN CHANGER OR WORKING ON ANY COMPONENTS IN THE MACHINE.

Check to ensure that the power present 10 VAC and 24 VAC indicator lights are illuminated on the right hand side of the control board located on the swing out panel. Remember: When you open the front door, the safety interlock will shut off the power to the control board, changer and bill validator (when installed). To re-energize the control board, changer, etc. pull the plunger out on the safety interlock switch located on the front of the swing out panel four inches above the digital readout.

Test the coin mechanism to insure smooth operation. If the operation is not smooth, check to make sure that you have proper alignment of the changer with the coin return lever.

Load the coin tubes on the coin changer located in the swing-out panel. It is very important to fill the 25c, 1 Oc and 5c tubes for proper changer payback. Note: The maximum amount of change a Coinco 9302LF changer will hold is \$38.60; \$22.50 in quarters, \$12.00 in dimes and \$3.40 in nickels. The maximum amount of change that a Mars TRC-6010XV will hold is \$29.95; \$16.75 in quarters, \$9.80 in dimes and \$3.40 in nickels.

Operate each dispenser, using coins. Operation should be smooth. Remember: The safety interlock must be energized in order to test out the changer. To energize, pull out the plunger on the safety interlock switch located on the front of the swing out panel near the top.

Load the machine with product (See section on product loading).

Place the price stickers on the trays to the right of the selection stickers. Set the prices of the selections (See price setting).

Note: To set the prices, the safety interlock switch must be energized by pulling the plunger out located on the swing out panel near the top.

Check to make sure that the Vend Options, forced vend, max. change and bill escrow (if a feature of the bill validator installed) are at the desired setting (See Vend options).

Note: Standard bill validators used in Polyvend equipment do not have the bill escrow feature.

PRODUCT LOADING

Helix Tray Dispenser

There are several helix pitches available. To insure proper operation and maximum capacity, the product size should closely match the opening between the windings of the helix. The product should fit between the windings of the helix so as not to be tight, but should fill most of the opening.

The helix sizes available are listed below.

CANDY HELIX

25 count
19 count
16 count

PRODUCT THICKNESS

? " - thin candy bar
1 1/4" - medium candy bar
1 1/2" - thick candy bar

SNACK HELIX

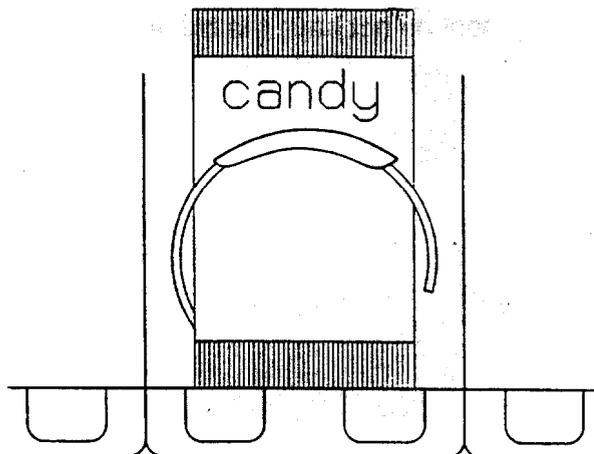
15 count
12/13 count
10 count
7 count

PRODUCT THICKNESS

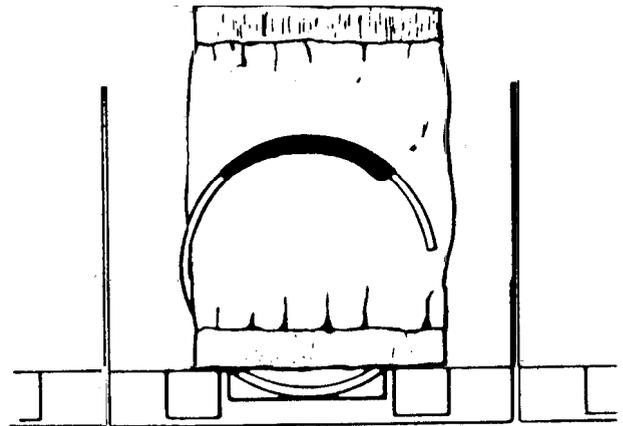
1 " - large cookie
1 1/2" - medium chip bag or pastry
1 7/8" - chip or pastry
2 1/2" - large chip bag

PRODUCT LOADING

To load a tray, release the white plastic stop on the bottom right of the tray. Pull the tray front up and out, pull the tray out until it comes to the tray stop, then let it tilt down into the loading position. At this point, check that each helix is in its proper position. The figure below shows the proper position.



*Candy Helix In
Detent Position*



*Chip (Large) Helix
In Detent Position*

Starting at the front of the tray, insert a product between each winding of the helix so that the name of the product is displayed forward. Be sure to place the product all the way to the bottom of the tray and tilt free end at the top backwards. Fill from front to back and be sure not to miss any positions. Note: Product must rest on tray NOT on helix. After filling the tray, lift the front of the tray and push it back in until the latch is engaged. Check that the latch is fully engaged by pulling forward on the tray and ensuring that the tray does not advance beyond the latch.

SPECIAL PRODUCT LOADING

NARROW PRODUCT LOADING

In order to keep narrow products positioned properly the use of one of the spacer rails may be required. For additional rails order part no. 18244-05.

To install the spacer rail, press on to the tray divider as shown in Figure 1 below.

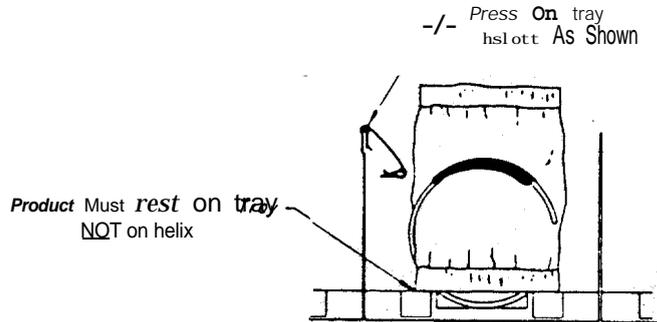


FIGURE 1

FLAT OR SEMI-FLAT BOTTOM PRODUCT LOADING INSTRUCTIONS

NOTE: Instructions apply to candy tray only.

Certain candies and cigarettes have a flat or semi-flat bottom which is thick and wide. Polyvend Inc. has designed into our helix the flexibility to be 100% sure of the vending of this type of product. By moving the position of the helix and this the helix kicker 90 degrees, the best dispensing for boxed products is insured. You simply unlock the helix by twisting counter clockwise 10 to 15 degrees. Turn the helix counter clockwise 95 to 100 degrees, then engage and twist clockwise to lock in place. The helix should then be in the position shown below in Figure 2.

*Kicker 90 Degrees From Normal
for Thick Or Box Type Product.*

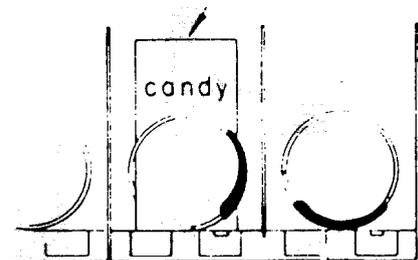


FIGURE 2

(OPTIONAL) GUM AND MINT TRAY LOADING SLIDE OUT DRAWER STYLE

The five select gum and mint dispenser is available in kit form or can be factory installed in a new machine. Each selection will hold up to 25 packs of gum (5 sticks per pack) or roll candy up to 5 inches in length. There are two spacer rails in selection G-2 allowing you to dispense small rolls of antacid or similar size products.

All machines are prewired from the factory so you can install the gum and mint kit at a later date. The plug and harness for the gum and mint tray are located in the bottom storage area above the high voltage electrical box.

LOADING INSTRUCTIONS

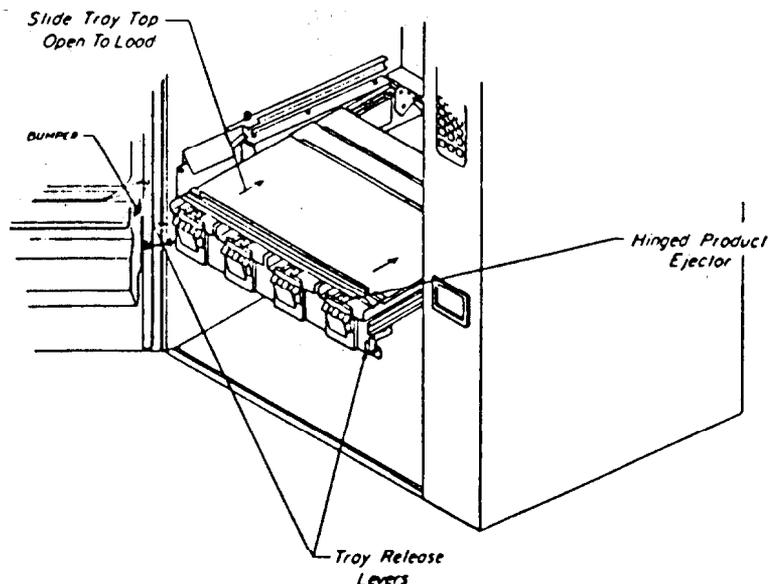
Release the tray by pulling up on the two metal latches located on each side and pulling the tray forward. See Figure 3 below.

The two wide product selections are fitted with width adapters, installed for dispensing standard gum and mints. These adapters can be removed for dispensing longer products up to 5 inches in length.

One of the standard width selections, G-2 is equipped with height adapters for the thinner products of the small roll type (antacid type product). These adapters can also be removed for thicker products.

Each selection has a clear, hinged product ejector which may require adjustment for each type of product. To adjust this ejector, loosen the wing nut and slide the assembly until the hinge knuckles are located entirely behind the first product and directly above the second product. Tighten the wing nut securely.

IMPORTANT: Before sliding the tray back into the machine, pull the cover forward over the product and under the retaining clips (See figure 3 below). Verify that both latches are engaged after the tray is pushed into dispensing position.



~FIGURE 3

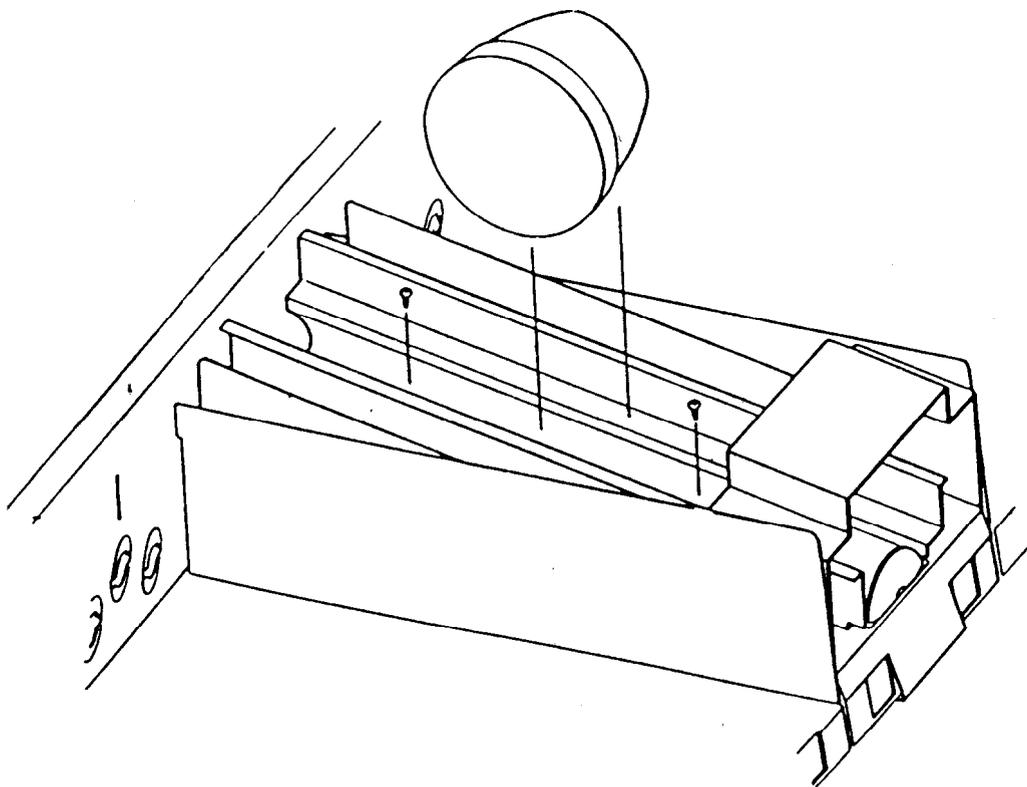
(OPTIONAL) CAN DISPENSER

The can dispenser is used to dispense microwave type tubs. It is mounted in place of one of the snack helixes and can hold up to five of the microwave type tubs.

LOADING INSTRUCTIONS

Release the white tab on the right hand side of the helix tray. Lift up and pull the tray all the way out until it comes to the stop. Lower the tray into the loading position. Lay the microwave tubs on their side, with the bottom laying on the little shelf, so that the tub will roll evenly down the tray. See figure 4 below.

NOTE: The tray sides may have to be adjusted, depending on the size of the tub you are dispensing. Loosen the two screws holding the sides in place and adjust the sides so that there is approximately 1/8" of clearance on each side of the tub when it is placed in the tray. The tub should not bind up when it rolls down the tray.



-FIGURE 4

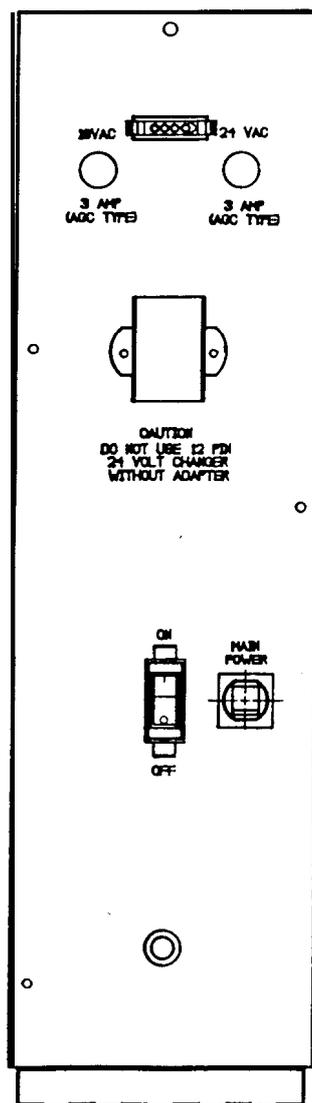
PRIMARY CABINET COMPONENT INFORMATION

PRIMARY CABINET COMPONENT INFORMATION

SWINGOUT CONTROL PANEL

Located in this panel are the control board, changer, dollar bill validator (when installed) and digital readout circuit board. The N.A.M.A. 15 pin plug for the changer is located behind the swing out panel along with the fuses for the 10 volt and 24 volt power supply, the circuit breaker for the 110 volt power and the on-off switch for the entire machine (See figure 5). Located in the tilt out power panel located behind the swing-out panel are the step down transformer, ballast unit for the fluorescent light, and the RFI filter. The starter for the fluorescent light is located on the end of the fixture.

NOTE: The safety interlock switch that turns on the power to the swing-out panel is located on the front of the swing-out panel four inches above the digital readout.



TILT OUT PANEL

~FIGURE 5

REAR ACCESS PANEL

A large access panel is provided on the rear of the machine. Its purpose is to permit access to the wiring in the rear of the machine and when going through a door this panel may need to be removed to get the machine through the door. To remove it, open the front service door of the machine, in the top of the machine on the right side is a knob. Turn this knob counter clockwise until the door is released. On the left side is the other knob used to release the left side of the rear door. Turn this knob counter clockwise to release the door. Pull the top away from the cabinet, then lift the bottom of the door up and away from the cabinet. Handle carefully to prevent dropping and damage.

HIGH VOLTAGE POWER SUPPLY

The high voltage power supply is located in the tilt out power panel behind the swing-out panel (See figure 5). The fuses for the 10 volt, 24 volt and 110 volt circuit breaker are located on the front of the tilt-out panel. Located in the tilt-out panel are the ballast for the fluorescent light, the step down transformer, and the RFI filter. The starter for the fluorescent light is located on the end of the light fixture.

STORAGE COMPARTMENT

The storage compartment is below the product display area and is accessed by opening the front door. Additional products may be stored in this area. Be sure to leave room for the delivery compartment when using the storage area.

HELIX TRAY REMOVAL (FROM MACHINE)

Lift the white cam on the right side of the helix tray to clear latch and pull forward until reaching the stop that allows the tray to tilt down for loading. Lift the front of the tray and the same white cam while pulling forward. The tray should then slide out. Unhook the harness from the wire clamp, then unplug the wire harness on the right-hand side rail (Notice how plug is connected, with the wires to the front of the plug). To clear the machine, grasp the tray at the front, and rear, lift it out and place it on a work surface.

To replace, reverse the operation. Grasp the tray, engage the rear rollers in the track and plug in the wire harness provided, on the right rail (Make sure plug is properly connected, wires to the front of the plug). Install the wire harness under the wire guide clip beside the plug. Slide in the tray, raising up the front to clear the stop, and push it into the machine until it is in the latched position. Pull out on the tray to ensure that the latch is secure.

INDIVIDUAL HELIX REMOVAL

An individual helix can be removed for cleaning, repair or replacement with a different pitch whether the tray is in or out of the machine. Grasp the helix and twist counter-clockwise 10 to 15 degrees. Then pull forward and remove the helix from the tray.

To replace the helix, align the tabs on the helix hub with the slots in the white tray coupling (See figure 7 below). Push the helix into position and twist clockwise 10 to 15 degrees. Verify that the helix end is in the proper position and pull to insure proper connection.

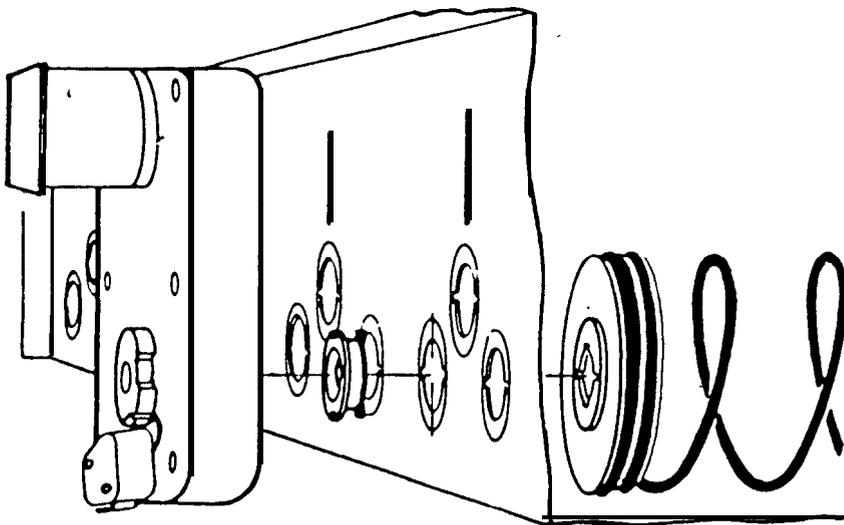


FIGURE 7

~DECORE TRIM PANEL INFORMATION

The Polyvend 700-6000 series machine is designed so the decore panels and trim can be changed to allow the machine to match other brands of equipment, with different looks, located in a bank of equipment.

TOP TRIM REPLACEMENT

The top trim is removed by accessing through holes in the door, the screws that secure the trim on the front of the machine. Take the screws out and remove the trim. To install the new trim, place it in the same position as the trim you removed and install the screws.

SIDE TRIM REMOVAL

To remove the right or left side trim locate the screws on the inside of the door panel running from the top to the bottom holding the trim on the front of the door. Starting at the bottom remove the screws on the inside of the front door. Be careful to not let the trim drop when you remove the top two screws. Place the new trim into position and install the screws.

TOP PANEL REPLACEMENT

There are two ways that you can change the top panel. The first is when you replace the top trim slide the top panel out and slide the new panel in before installing the new trim. The other way is to remove the right hand side trim and slide the panel out.

NOTE: When you replace the top panel if it is necessary to replace the bottom panel, this can be done while the right hand trim has been removed for the top panel.

TRIM ABOVE PRODUCT DELIVERY DOOR

To access the screws holding the trim in place remove the screws holding the product deflector across the top of the delivery compartment and remove it. Then remove the three screws on each side mounting the delivery compartment to the service door. You can now access the screws across the front holding the trim in place. Remove the screws, place the new trim into position and install the screws making sure the trim is parallel with the trim below the delivery compartment. If you are going to change the trim below the delivery compartment door, you will need to change it before you reinstall the delivery compartment. Reinstall the delivery compartment and the product deflector.

TRIM BELOW DELIVERY COMPARTMENT

If the delivery compartment and product deflector have not been removed you will need to take them off the service door before you can access the screws holding the trim on the front of the machine. Remove the screws holding the trim in place. Take the old trim off and put the new trim in place. Install the screws in the new trim making sure the trim is parallel with the trim above the product delivery compartment and below it on the bottom of the door. Install the product delivery compartment and the product deflector.

TRIM ACROSS THE BOTTOM OF DOOR

The screws holding the bottom trim on the service door are located across the bottom inside of the door. Remove the screws being careful not to allow the trim to drop off and be damaged. Put the new trim into position making sure the trim is parallel with the trim above it and install the screws.

EQUIPMENT GOING THROUGH A DOOR (30 INCHES)

To get a **700-6000** through a standard door it may be necessary to remove the back door of the machine. In order to do that, open the front service door of the machine. On the right hand side in the top of the cabinet is the knob to release the locking mechanism for the right side. Turn the knob counterclockwise until the door is released. On the left hand side in the top of the machine is the knob used to release the locking mechanism on the left side. Then go around to the back of the machine and pull the top of the door away from the machine. Then lift up and remove the door from the back of the machine. Go around to the front of the machine and pull each of the trays forward until they are not sticking out the back of the machine. You now can slide the machine through a 30" door. To install the rear door, set the bottom of the door in place and push in at the top. Go around to the front and turn the knob on the right side clockwise until difficult to turn. Turn the left knob clockwise until difficult to turn. Side the trays back into the proper storage position. Close and lock the front door.

SWING-OUT PANEL REMOVAL FROM CABINET

In order to remove this panel, turn off power to the machine with the main power switch. Unplug the four wiring harnesses plugged in to the power panel. Unplug the changer from the power panel. Remove the two screws mounting the remote box for the validator (if installed) to the power panel. Remove the screw attaching the ground wire to the swing-out panel. Take hold of the swing-out panel and lift it up, being careful not to damage the panel or cabinet. **DO NOT SET THE PANEL DOWN ON ITS END, YOU WILL DAMAGE THE COIN CHUTE DIRECTLY UNDER THE CHANGER.** Lay the panel on its side to avoid damage. To reinstall the swing-out panel, pick the panel up and line up the cabinet hinges with the swing-out panel hinges and lower it down on the pins. Then plug the wiring harnesses back into the power panel and plug the changer back in. Reinstall the remote validator box and ground wire.

ELECTRICAL SERVICE SECTION

ELECTRICAL SERVICE SECTION

MODES OF OPERATION

The system will operate in one of two modes, sales or service. On power up (after completing configuration), the machine is in the sales mode. Service mode may be selected by pressing the mode switch mounted on the control board. The system will return to the sales mode if the mode switch is pressed again or after 25 seconds of no service mode.

Remember: When you open the service door of the machine the safety interlock switch will turn the power off to the machine. To re-energize the machine pull the plunger out on the interlock switch located on the front of the swing-out panel just above the scrolling display.

SALES MODE

In the sales mode, the control board will control the dispensing of products according to customer credit and selection inputs. The control board will communicate with the coin mechanism and dollar bill validator (if installed); so, as credit is entered it will be shown on the scrolling display. If there is inadequate change available, the coin mechanism will indicate that an exact change situation exists and the control board will show in the scrolling display "PLEASE INSERT EXACT MONEY".

When a customer makes a selection on the key pad, buttons A thru G and (within 5 seconds) numbers 0 thru 9, the accumulated credit will be compared to the price set for this selection and if the credit is equal to or exceeds the set price, the corresponding motor will be energized. If the vend is successful, the price will be deducted from the credit value and the change returned.

The vend will be considered unsuccessful if the motor does not receive sufficient current or fails to reach the home position within six (6) seconds. The vend will not be attempted if the motor has already been detected as failed or if the selection made is not in the configuration of the machine. In any case, credit will not be deducted and the "MAKE ALTERNATE SELECTION", message will be on the scrolling display until a new selection is made.

If there is insufficient credit for the selection made, the selection and the price of that selection will be displayed for five (5) seconds, followed by the message "PLEASE INSERT MORE MONEY". This message will be displayed until either enough credit is added and the selection made again or a lower price selection is made. The correct selection and the selection price will be displayed during the vend.

If power should fail during a vend, the credit will be lost and the selected motor will not be re-energized when power returns, thus the next vend of this motor may be shorter than normal.

SERVICE MODE

The service mode can be entered by pressing the “MODE BUTTON” located on the control board just above the two red power indicator lights (See Figure 8). By using the numbers and letters on the alphanumeric key pad, the operator can program and review the features of the control board. Upon pressing the “MODE BUTTON”, the display will sequence through (1.5 secs. each), the alphanumeric selection codes of all motors which the control board believes to have failed and an error code will appear on the right, telling the operator the reason for the failure. Pressing and holding the #13 button will abort this sequence display.

ERROR CODES

1. Error 1 = Too little motor current.
2. Error 2 = Too much time to complete the vend (6 seconds).
3. Error 3 = The control board has lost communications with the changer (changer has malfunctioned).
4. Error 4 = EEPROM sum check error.

Note: Error 4 = prices may have been inadvertently altered and all prices have automatically been set to maximum by the control board. To clear these prices, reset pricing as desired.

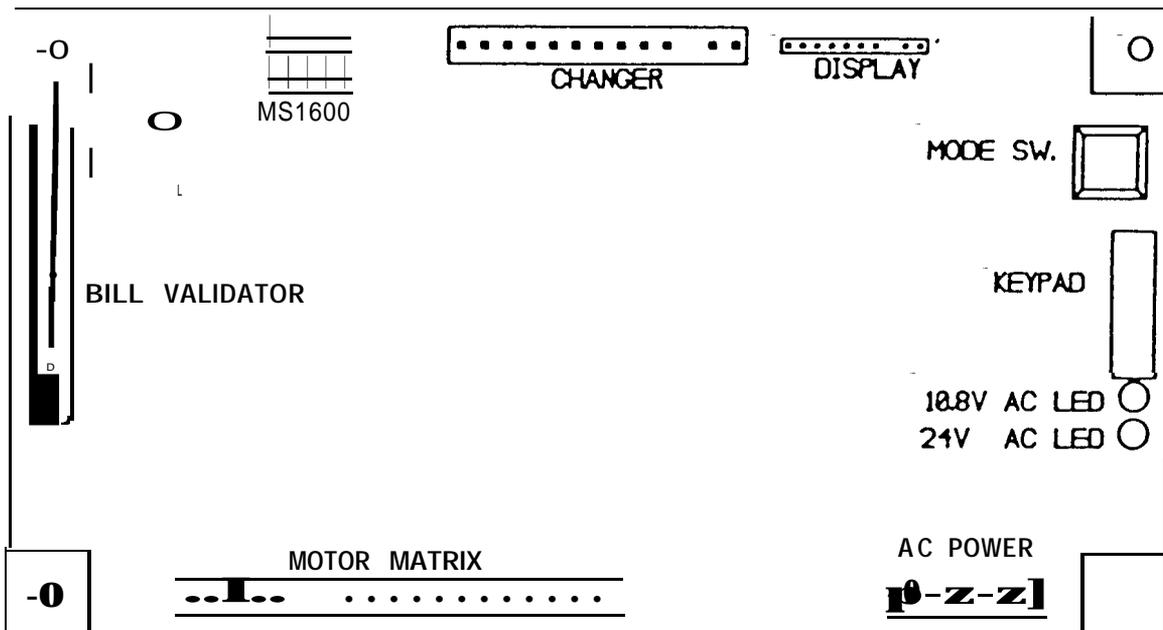


FIGURE 8

DETAILED OPERATION OF CONTROL BOARD

At the time of delivery from Polyvend, Inc., the control board will be set as follows:

1. All vend options will be off.
2. The maximum change limit will be set to \$1 .00
3. The cash accountability will be set to \$00,000.00. Note: Due to factory testing the total will not be exactly \$00,000.00.
4. All of the prices will be set to \$99.95.
5. The language will be set to English.
6. The point of sales message will be preprogrammed to: "ENJOY ONE OF OUR FINE SNACK PRODUCTS".

1. COIN DISPENSING

To dispense nickels, dimes and quarters from the changer, press the service mode button. Now press button #1 , the digital display will show "DISPENSE". Press the "A" button for nickels to be dispensed, "B" button for dimes to be dispensed and "C" button for quarters to be dispensed.

2. MOTOR COUNT

While in the service mode, press button #2 to display the total number of functioning motors. On the display, the message "MOTORS" and the total number of motors found will appear.

3. MOTOR REMOVAL

To remove a motor from the configuration while in the service mode, press button #3. The control board will reconfigure to the currently functioning motors. The display will show "CONFIGURED".

4. CASH ACCOUNTABILITY

To display the stored accountability, while in the service mode, press button #4. The control board will display "ACCOUNTING" and then press one of the following letters.

A = Total cash accountability, including total dollar bills taken in (if bill validator installed), which will rollover after \$99,999.95.

-B = Total bill validator accountability (if bill validator installed), which will rollover after \$99,999.00.

-NOTE: This feature cannot be reset.

-To exit this mode, press button #13 or exit the service mode.

i. PRICE SETTING

A. PRICE SETTING OF THE ENTIRE MACHINE

To set the price for the entire machine while in the service mode, press button #5. The control board will display "SELECTION", then you may press any letter and number. The control board will display the selection letter, number and price. Using the numbers on the key pad, press the most significant digit first then the less significant digits, Example: \$00.90. Press button #9, then press button #0. To save this price for the entire machine press button #12. To cancel an unwanted price before the fourth number is entered, press button #13.

B. PRICE SETTING BY ROW

To set the price of an entire row of selections press button #5. The control board will display "SELECTION". Then enter a selection from the row you want to set the prices on. The display will show the letter, number and current price. Using the numbers of the key pad, press the most significant number of the price first, followed by the less significant numbers. Example: \$00.90. Press the #9 button then press the #0 button. The digital display should read \$00.90. In order to save this and set the entire row, press button #11. To set the next row, press #5 button, then enter the letter and number from the next row you want to set the prices on and repeat the price setting procedure. To cancel an unwanted price before the fourth number is entered, press #13.

C INDIVIDUAL PRICE SETTING

To set a single price on one item, **while in** the service mode, press button #5. The control board will display "SELECTION". Press the letter and number of the selection you wish to change. The selection letter and number will be displayed along with the current price. Using the numbers on the key pad, press the most significant digit first, then the less significant digits. Example: \$00.85. Press the #8, then the #5. The digital display should read \$00.85. To save this price, press button #10. To set another single price, press button #5 and repeat the above sequence. To cancel an unwanted price before the fourth digit is entered, press button #13.

~NOTE: When the price is set to \$00.00, this is allowed and is a service vend (free vend). The machine can then be used as a display or show machine.

6. SERVICE VEND

A. SERVICE VEND BY INDIVIDUAL SELECTION

To service vend a single selection motor, while in the service mode, press button #6. The control board will display "SELECTION". Enter the desired selection letter, followed by the number. This will be displayed with the selection price, while a vend of the motor is attempted. If the vend is successful, the display will blank. If the vend is not successful, the control board will beep three times before blanking.

B. SERVICE VEND BY ROW

To service vend an entire row of selection motors, while in the service mode, press button #7. The control board will display "SELECTION". Enter the letter of the desired row. The control board will display the selection number and price while the vend is attempted starting with the highest number selection in that row. If the vend is successful, the control board will continue with the next motor. If the vend is not successful, the control board will beep three times and continue with the next motor. This cycle will repeat until vends on all motors in the row have been attempted. then the display will blank.

To exit this mode, either press button #1 3 and hold until the current vend is completed or exit the service mode.

C. SERVICE VEND OF ENTIRE MeCHINE (ONE COMPLETE TEST)

To service vend the entire machine of selection motors one time, while in the service mode, press button #8. The control board will display the selection number and price as the corresponding vend is attempted. If the vend is successful, the control board will continue on with the next motor. If the vend is not successful, the control board will beep three times and continue with the next motor. This cycle will be repeated until all motors in the machine have been attempted, then the display will blank.

To stop the vending of the motors, press button #13 and hold until the current vend is completed or exit the service mode.

7. POINT OF SALES MESSAGE PROGRAMMING

The machine comes preset from the factory with the message “ENJOY ONE OF OUR FINE SNACK PRODUCTS”.

If you wish to change the Point of Sales message, press the service mode button on the control board, then press button #9. The control board will display “MESSAGE”. Using the keypad overlay (provided with each machine) and following the keypad definitions, enter the new message. Menu 1 (letters in blue) is the default menu. After each keypad entry, from either menu, the keypad will automatically return to menu 1. To use menu 2 (letters in red), the “NEXT MENU” key must be pressed prior to pressing a menu 2 key. If you enter the wrong letter press BACK SPACE to remove that letter from message. Put two (2) spaces to indicate the end of the message or else your message will run together. To save the message the “ENTER” button must be pressed from within menu 2. Note: The maximum number of characters you can enter to form a message is 53 plus two spaces at the end of the message, A space between two words is one character.

~MENU 1			MENU 2		
A	~G	M	US	MY	~4
B	H	N	T	Z	5
C	I	O	U	0	6
D	J	P	v	1	7
E	K	Q	W	2	8
F	L	R	X	3	9
SPACE	SHIFT	BACK	*	ENTER	\$
	(NEXT MENU)	SPACE			

EXAMPLE: “ENJOY OUR SNACKS”. Press button #9 while in the service mode. “MESSAGE” appears on the display. Using the overlay placed over the selection buttons, press the letter E, letter N, letter J, letter 0, press shift, press Y, press SPACE, press 0, press SHIFT, press U, press R, press SPACE, press SHIFT, press S, press N press A, press C, press K, press SHIFT, press S, press SPACE, press SPACE, press SHIFT, press ENTER. The message should start scrolling when you press the mode switch.

-8. VEND OPTIONS

To enable or disable the vend options, while in the service mode, press button #III. The control board will display "OPTIONS". Press one of the appropriate letters listed below. After the letter has been pressed, the current state of the option will be displayed. The option may then be switched on or off by pressing the same letter again.

-A. Bill Escrow (If it is a feature of the bill validator installed)

~This option will allow the last bill accepted to be escrowed, provided the bill validator is capable of such a feature. To access this, while in the service mode, press button #III, then press button "A". The feature will be displayed with its present status. To change the status press button "A" again.

Note: The standard Maka NB-14 bill validator or NB-1 bill validator does not have the escrow feature.

-B. Force Vend

This option (when turned ON) will force the customer to complete a purchase once they have deposited money of any form. If a vend is attempted and the motor fails during this vend, the customer will be allowed to escrow the credit, regardless of the forced vend status. To access this option, press button #I 1, then press button "B". The feature will then be displayed with its present status. To change the status press button "8" again.

C. Maximum Change

This option will limit the amount of change returned to the customer. The change above the limit will be given as a credit toward another purchase, i.e. a multi-vend situation. To access this option, press button #I 1, then press button "C". The status of the option will be shown. If the option is "OFF", press button "C" option will be shown. If the option is "OFF", press button "C" again to turn it on. After enabling the option, wait for one second and the current limit will be displayed. This limit may be changed by pressing the most significant digit first and then the less significant digits. Press button #II to lock in this limit.

~Note: The only time that the control board will display the amount of the limit is when the feature is turned on. In order to check the amount set, turn the feature off and then on.

To exit this mode, press button #13 or exit the service mode by pressing the service mode button.

9. Language Selection

To select the message language, while in the service mode, press button #10, The scrolling display will display “LANGUAGE”. Press the letter of the language you wish to program (see list below). The language selected will be displayed.

Press button #10 + button A = Italian
Press button #10 + button B = Dutch
Press button #10 + button C = Spanish
Press button #10 + button D = Danish
Press button #10 + button E = English
Press button #10 + button F = French
Press button #10 + button G = German

10. Dollar Bill Acceptance (Non-escrow validator)

When using a Coinco 9302LF or Mars TRC-601 OXV type coin mechanism, a bill validator may be used. If a bill validator is installed, the bill acceptance will be as follows:

Options: Forced vend - on (this feature can be off)
Max. change - on

A. First Bill Acceptance

The bill will be accepted and stacked if the quarter and dime tubes are above the low indicator. If the accumulated credit is greater than or equal to the maximum price, bill acceptance will be disabled until the vend is completed and change returned.

B. Additional Bill Acceptance

Additional bills will be accepted if the dime and quarter tubes are both above the low indicators and accumulated credit is less than the maximum price. After the acceptance of the second bill, if the accumulated credit is greater than or equal to the maximum price, bill acceptance will be disabled until the vend is completed and change returned.

Dollar Bill Acceptance (continued)

Bill acceptance will be as follows with the following options set.

Options: Forced Vend - off
Bill escrow - off
Max. change - off

A. First Bill Acceptance

The bill will be accepted and stacked if the quarter, dime and nickel tubes are above the low indicator. If the accumulated credit is greater than or equal to the maximum price, the bill acceptance will be disabled until the vend is completed and change returned. If before making a selection, the customer decides that he wants his money back, he may push the coin return lever and the changer will refund \$1 in change.

B. Additional Bill Acceptance

Additional bills will be accepted if the nickel, dime and quarter tubes are both above the low indicator and the accumulated credit is less than the maximum price. After the second bill is accepted, if the accumulated credit is greater than or equal to the maximum price, then the bill acceptance will be disabled until the vend is completed and change returned. If before making a selection, the customer decides that he wants his money back, he may push the coin return lever and the changer will refund \$1 in change.

SERVICE SECTION



CLEANING INSTRUCTIONS

PAINTED SURFACES

All painted surfaces and the vinyl can be cleaned with a clean cloth and any common brand of household detergent. Do not use harsh abrasive materials on these surfaces, they will scratch the paint or vinyl.

GLASS ITEMS

The glass product loading door may be cleaned with any commercial window cleaner.

POLYVEND SHIPPING POLICY

The following information is to assist you in assuring 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 ensure safe arrival of this equipment, but our responsibility ceases the moment the shipment is turned over to the carrier.

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 either refuse the merchandise or accept the damaged shipment. If you accept, make certain that you have the delivery personnel note the nature and extent of the damage on the freight bill.
2. After you determine the extent and cost of the 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 the packing material until shipment is inspected and claim is settled.
3. When the inspector arrives, ask for a 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., at 1-800-643-8250 and make arrangements to have merchandise returned for repair and file a claim for repair charges. Do not return "DEADHEAD". Do not claim more than the cash price of the machine, plus freight.

SHOCKWATCH PROCEDURES

On each machine shipped out of Polyvend Inc., there is an indicator called a Shock Watch, which will turn from white to red if the machine has received a severe impact. The shock watch is a red hexagon shaped label mounted on the front glass of the machine. Just above the shock watch will be a label on the outside of the machine with instructions on what to do when the machine is received and what to do if the shock watch has changed color from white to red.

Inspect the shock watch "IMMEDIATELY" upon receipt of the machine. DO NOT SIGN THE BILL OF LADING until you have inspected the shock watch to see if it has turned from white to red. If the shock watch has turned red note this on the bill of lading. Inspect the machine "IMMEDIATELY" for damage both on the exterior and interior of the machine, if damage is found follow the procedures for concealed damage.

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 the request in writing and keep a copy 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 damage and will probably refuse your claim. Do not destroy packing material until shipment is inspected and claim is settled.
2. After inspection by the carrier, file a claim for damages at once. 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 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 shown on your receipt, do not accept it until 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 shorted item is not delivered within a reasonable time, file a claim with the delivering carrier for the invoice or cash price of that item.

Note: Claims for loss or damage will NOT BE DEDUCTED FROM YOUR INVOICE while you wait adjustment of such claims.

TROUBLE SHOOTING CHART

CAUTION

DISCONNECT POWER TO MACHINE BEFORE WORKING ON, CHANGING, DISCONNECTING OR CONNECTING ANY ELECTRICAL COMPONENTS) BY REMOVING THE FUSES, TURNING OFF THE INTERLOCK SAFETY SWITCH MACHINE ON-OFF SWITCH OR UNPLUGGING THE MACHINE.

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
<p>1. All coins deposited are rejected</p> <p>In service mode, shows error 3</p>	<p>Machine not level</p> <p>Defective coin mech.</p> <p>Display blank, power indicator lights not illuminated</p> <p>Defective control board</p>	<p>Level cabinet</p> <p>Replace coin mech.</p> <p>Check fuses, power at wall outlet and transformer</p> <p>Replace control board. See note 1 below</p>
<p>2. Selection motor fails to run</p> <p>In service mode display shows selection and error 1</p>	<p>Insufficient credit established</p> <p>Defective motor assembly</p> <p>Defective control board</p>	<p>Check to see that selection price is same as deposited amount. Note message on display</p> <p>Service vend bad motor. Replace if defective. See note 2, pg. 33</p> <p>Replace control board. See note 1 below.</p>
<p>3. All selection motors do not run (test or service vend). Power indicator lights illuminated.</p>	<p>Defective control board</p> <p>Wire connection broken</p>	<p>Replace control board. See note 1</p> <p>Trace wire harness, For color code see note 3 pg 34</p>
<p>4. Selection motor does not complete cycle. In service mode display shows error 2</p>	<p>Defective fill cycle switch or defective motor.</p>	<p>Replace motor assembly. See note 2 pg 33</p>
<p>Note: When you replace the control board, always disconnect power to the equipment. After the control board is installed, reapply power, go into the service mode and press button #13, press button #2, then press button #3. You have now aligned the control board with the motors.</p>		



SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
5. Selection motor continuously cycles shows error code 2 in service mode	Defective full cycle switch	Replace motor assembly
6. Two motors run simultaneously	Defective control board	Replace control board. See note 1 pg 31
	Defective motor assembly	Replace motor assembly
	Defective motor in gum and mint motor circuit	Locate and replace defective motor
	Shorted harness or wire connector	Repair or replace
7. Unable to make a selection. Either not selection number on display or wrong number	Selection pad bad. Attempt to change price of a selection Unable to change price	Replace selector pad.
8. Insert dollar bill, shows credit, no product dispensed	Defective control board	Replace control board. See note 1 pg. 31
9. Dollar bill validator will not accept dollar bills	Bill scanner dirty	Clean scanner area
10. Insert dollar bill, does not show credit can not make a selection	Defective bill validator	Replace bill validator
11. Display is blank, power indicator lights not on, fluorescent light on	Blown fuse	Check fuses at power panel in storage area
12. Display is blank, power indicator lights on.	Defective control board	Replace control board. See note 1 pg. 31
	Defective digital display	Replace digital display

SYMPTOM	PROBABLE CAUSE	CORRECTIVE ACTION
<p>12. Coin mech. returns nickels and dimes with no product vended</p> <p>In service mode shows error 3.</p>	<p>Defective control board</p> <p>Defective changer</p>	<p>Replace defective control See note 1 pg. 31</p> <p>Replace changer</p>
<p>Note 2: When replacing a bad motor, always service vend the new motor to tell the control board that a new motor has been installed.</p>		

NOTE 3: The motors in the machine are arranged in a 7 x 10 matrix. This means that all motors have a wire common to all other motors in that row. Example: All motors in horizontal row "A" have a white wire with a black stripe in common. Likewise, all the motors in a vertical column have a wire in common. Example: All motors in column 2 have a red wire in common.

The following is the wire color guide for the motor matrix:

	<u>Wire Color</u>
Row "A"	White/Black
Row "B"	White/Brown
Row "C"	White/Red
Row "D"	White/Orange
Row "E"	White/Yellow

The following wires are located in the separate two pin plug of the harness that plugs into the pull out drawer.

Row "F"	White/Black
Row "G"	White/Orange

Tray harnesses use only the White/Black since since they can be used in any row.

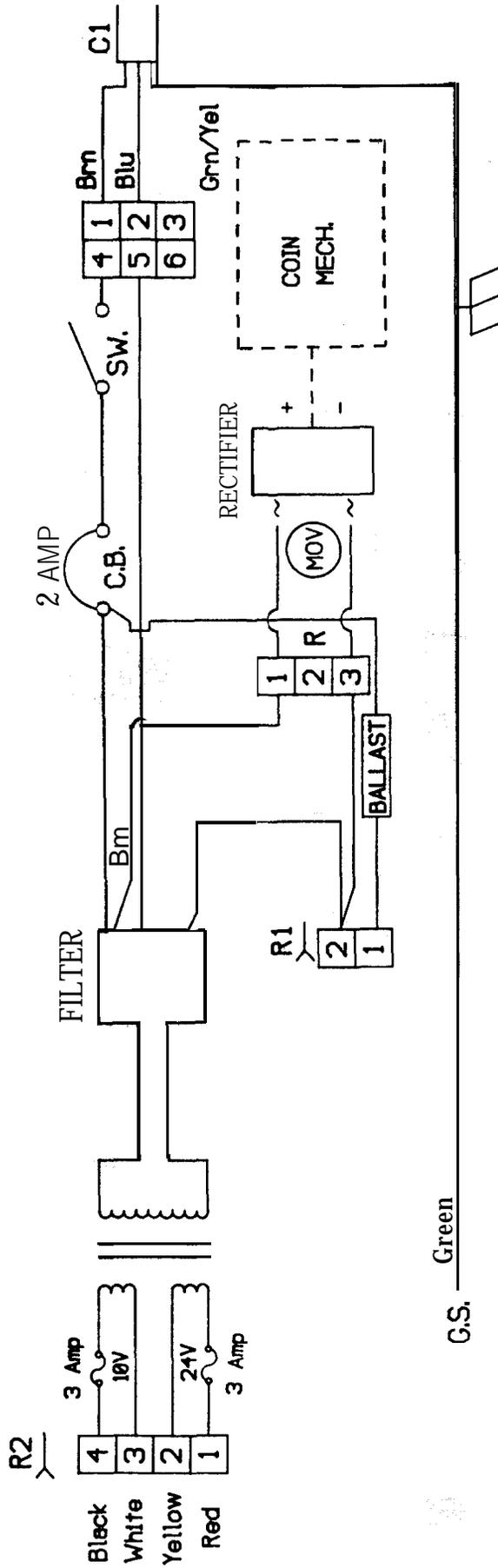
Column "0"	Black
Column "1"	Brown
Column "2"	Red
Column "3"	Orange
Column "4"	Yellow
Column "5"	Green
Column "6"	Blue
Column "7"	Violet
Column "8"	Grey
Column "9"	White

ERROR CODES

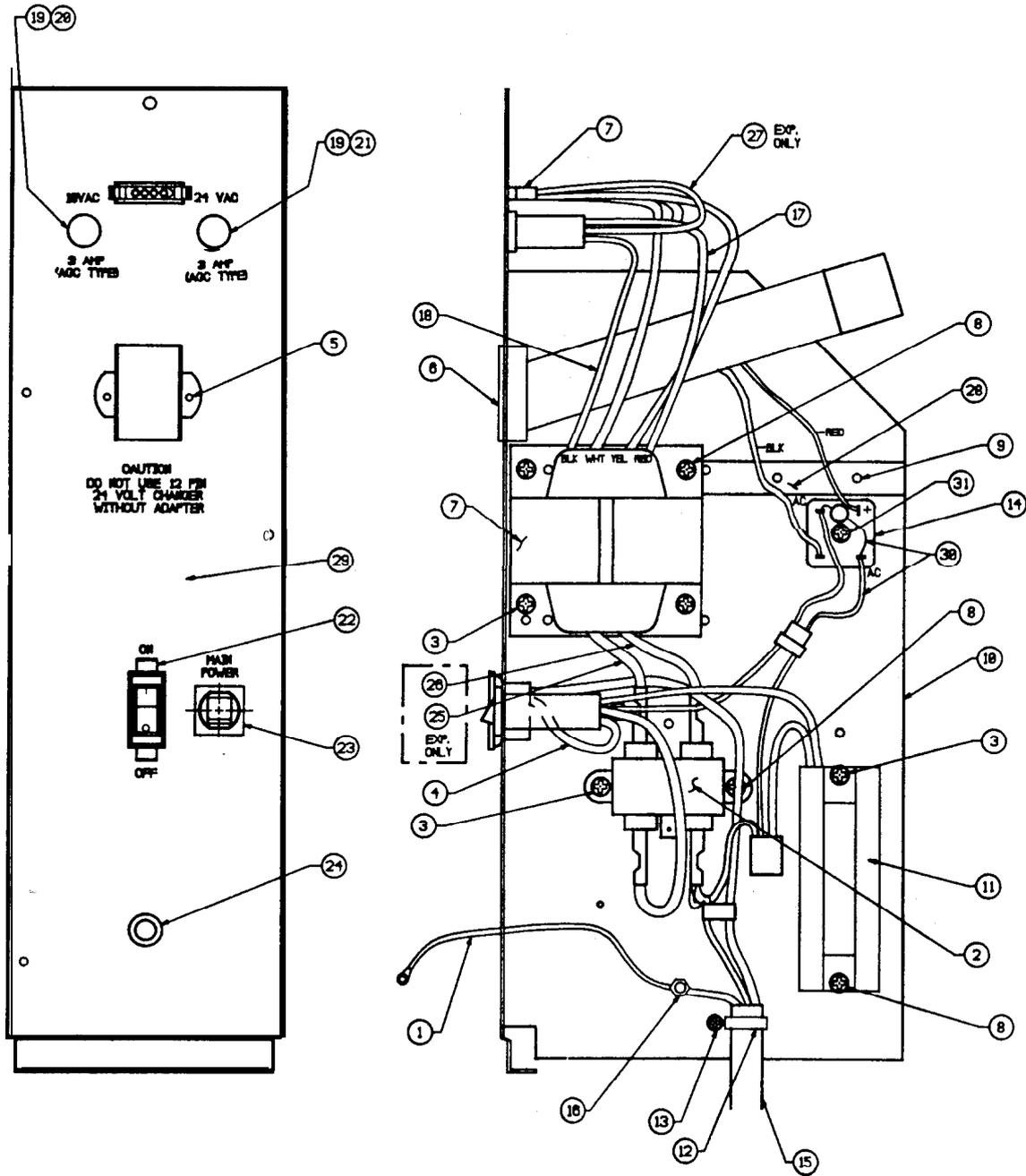
1. Error 1 = Too little motor current
2. Error 2 = Too much time to complete the vend (6 seconds).
3. Error 3 = The control board has lost communications with the changer (changer has malfunctioned).
4. Error 4 = EEPROM sum check error.

NOTE: Error 4 = Prices have been inadvertently altered and all prices have been automatically set to maximum by the control board. To clear these prices, reset pricing as desired.

PARTS LIST



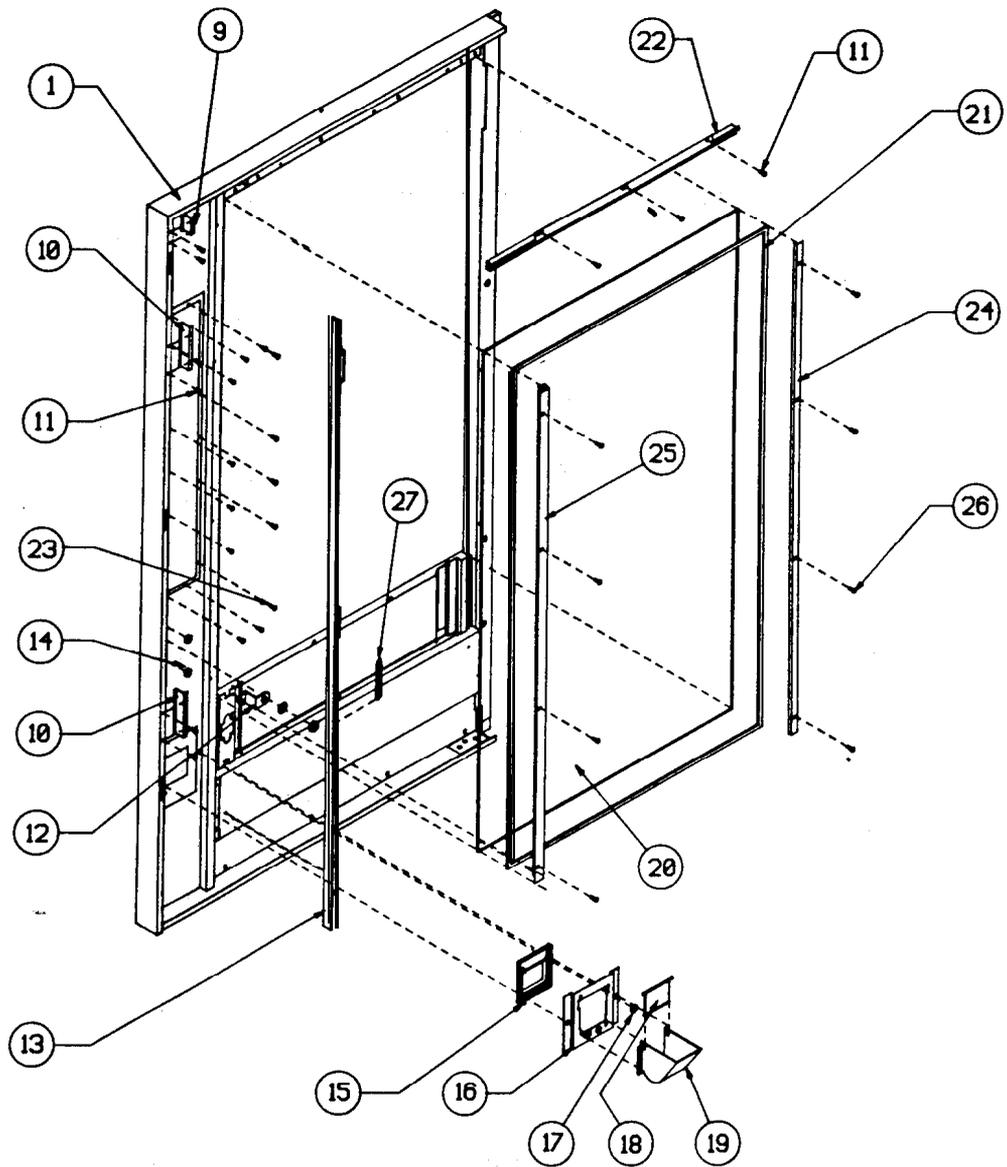
POWER PANEL
ELECTRICAL SCHEMATIC



POWER PANEL

POWER PANEL PARTS LIST

ITEM	DESCRIPTION	PART NO.	QN.
	POWER PANEL ASSY.	21189-DOM	1
1	GROUND HARNESS	21213	1
2	RFI FILTER	17913	1
3	SCREW SEMS #8-30 X 3/8	1715	4
4	SW/BRKR HARNESS	21184	1
5	SCREW	18370-BLK	2
6	CHANGER HARNESS	21212	1
7	TRANSFORMER ASSY.	18359	1
8	SCREW 8-18 X 14	1868-BLK	5
9	NOT USED		-
10	POWER W.A.	211 80-BLK	1
11	BALLAST ASSY.	21185-DOM	1
12	TIE	80659	1
13	CREW	1298-BLK	1
14	RECTIFIER	21186	1
15	POWER FEED CORD	21188	1
15A	SERVICE CORD (TO WALL OUTLET)	17720	1
16	NUT W/LOCKWASHER	20208	1
17	NOT USED		-
18	NOT USED		-
19	FUSE HOLDER	18434	1
20	FUSE 3 AMP	20235	1
21	FUSE 1 AMP	18360	1
22	POWER SWITCH	20166	1
23	CIRCUIT BREAKER 2 AMP	22330-01	1
24	BUSHING SB-437-5	730	1
25	NOT USED		-
26	NOT USED		-
27	NOT USED		-
28	NOT USED		-
29	POWER PANEL DECAL	21252	1
30	HARNESS DC	21167	1
31	SCREW #8-1 8 X 5/8	1299	1

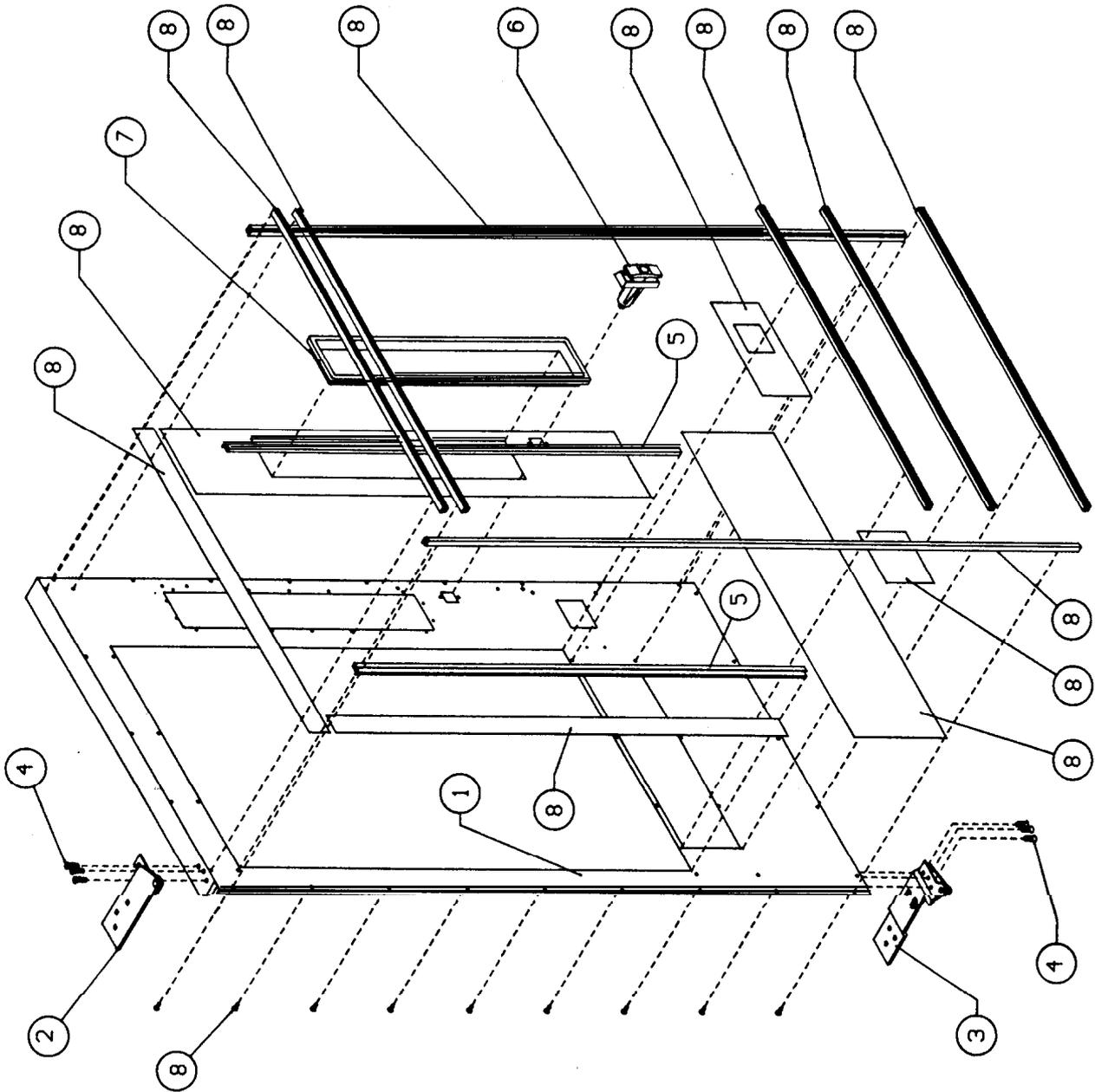


FRONT DOOR ASSEMBLY
INSIDE OF DOOR

DOOR ASSEMBLY INSIDE OF DOOR PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY.
1	DOOR W.A.	21071 -BLK	1
9	LOCK BAR RETAINER	21092-01 B	1
10	LOCK BAR RETAINER	2 1092-BLK	2
11	SCREW #8-32 X 3/8 TAPPING	638-BLK	6
12	LOCK CAM W.A.	211 08-BLK	1
13	LOCKING BAR W.A.	21091-BLK	1
14	NUT W/LOCKWASHER #1 O-24	19566	2
15	COIN RETURN TRIM	17868-BLK	1
16	MTG. COIN BRACKET	21 080-BLK	1
17	NUT W/ LOCKWASHER #8-32	20208	2
18	COIN CUP DOOR	17865-BLK	1
19	COIN RETURN CUP	17866-BLK	1
20	* DOOR GLASS	21074	1
21	DOOR GASKET	21046	12FT
22	UPPER GLASS RETAINER	21065-BLK	1
23	SCREW #6-1 8 PLASTILOK	19321	12
24	GLASS HOLDER L.H. SIDE	21050-BLK	1
25	GLASS HOLDER R.H. SIDE	21052-BLK	1
26	SCREW #8-1 8 3/8 TAPPING	1298-BLK	14
27	SPRING EXTENSION	84	1

. Replacement glass for this machine should always be tempered glass. Glass dimensions: 3/16" thick x 26 1/2" wide x 45 1 1/16" long.



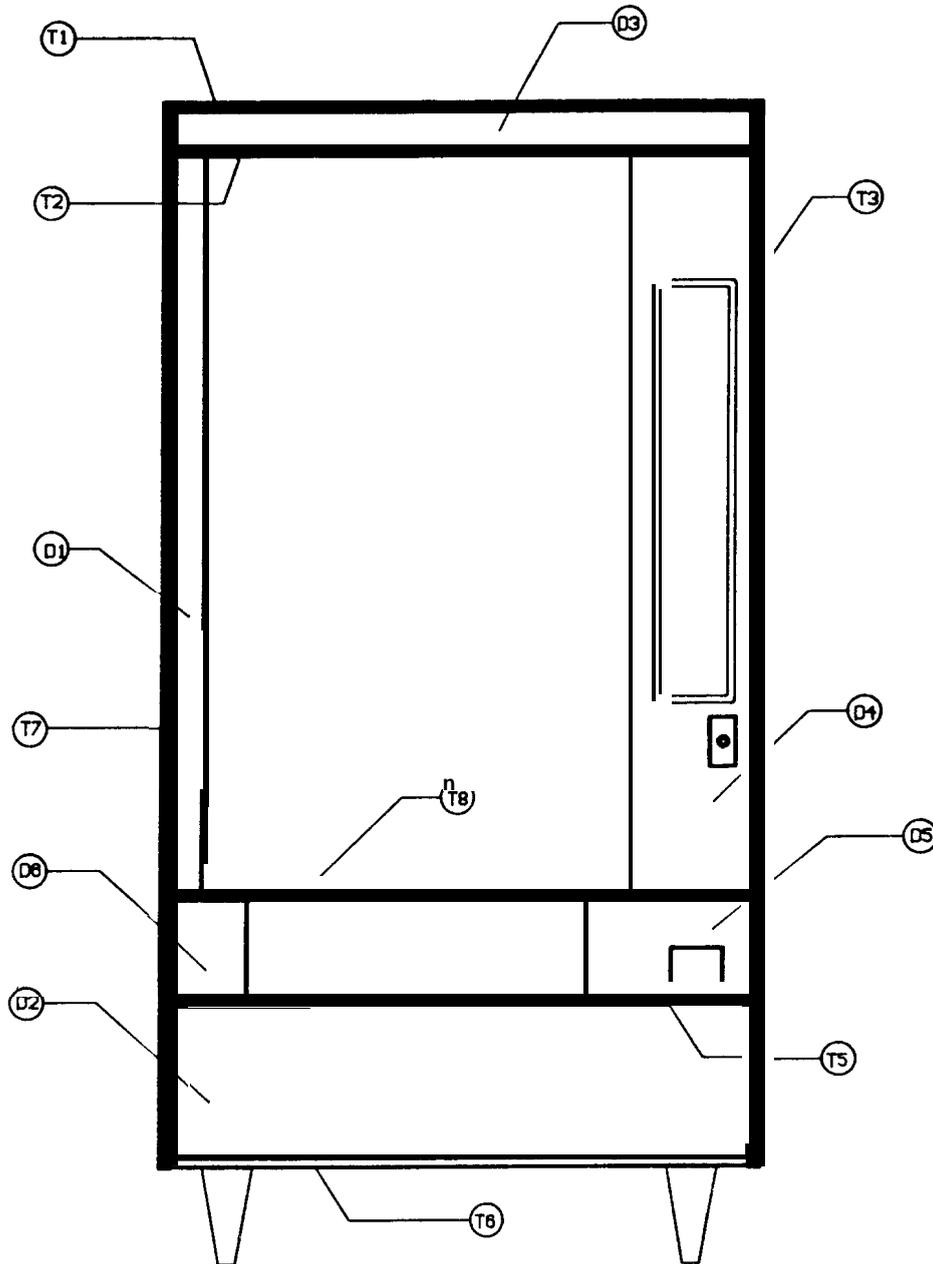
FRONT DOOR ASSEMBLY
OUTSIDE FRONT



**FRONT DOOR ASSEMBLY
OUTSIDE FRONT
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	SERVICE DOOR W/A	21071 -BLK	1
2	UPPER HINGE ASSEMBLY	21144	1
3	LOWER HINGE ASSEMBLY	21143	1
4	SCREW 1/4 - 20 X 3 / 4"	20408	6
5	EXTRUDED VINYL TRIM	21069	2
6	LARGE LOCK ASSEMBLY	19379-BLK	1
6A	CARRIAGE BOLT	15249	6
7	BEZEL.	21044	1
8	CONVERSION KIT	19321	2
28	SPLIT WASHER	2386	6
29	HEX NUT 1 /4-20	2385	6
31	PLASTILOC SCREW (TRIM SCREWS).	19321	6

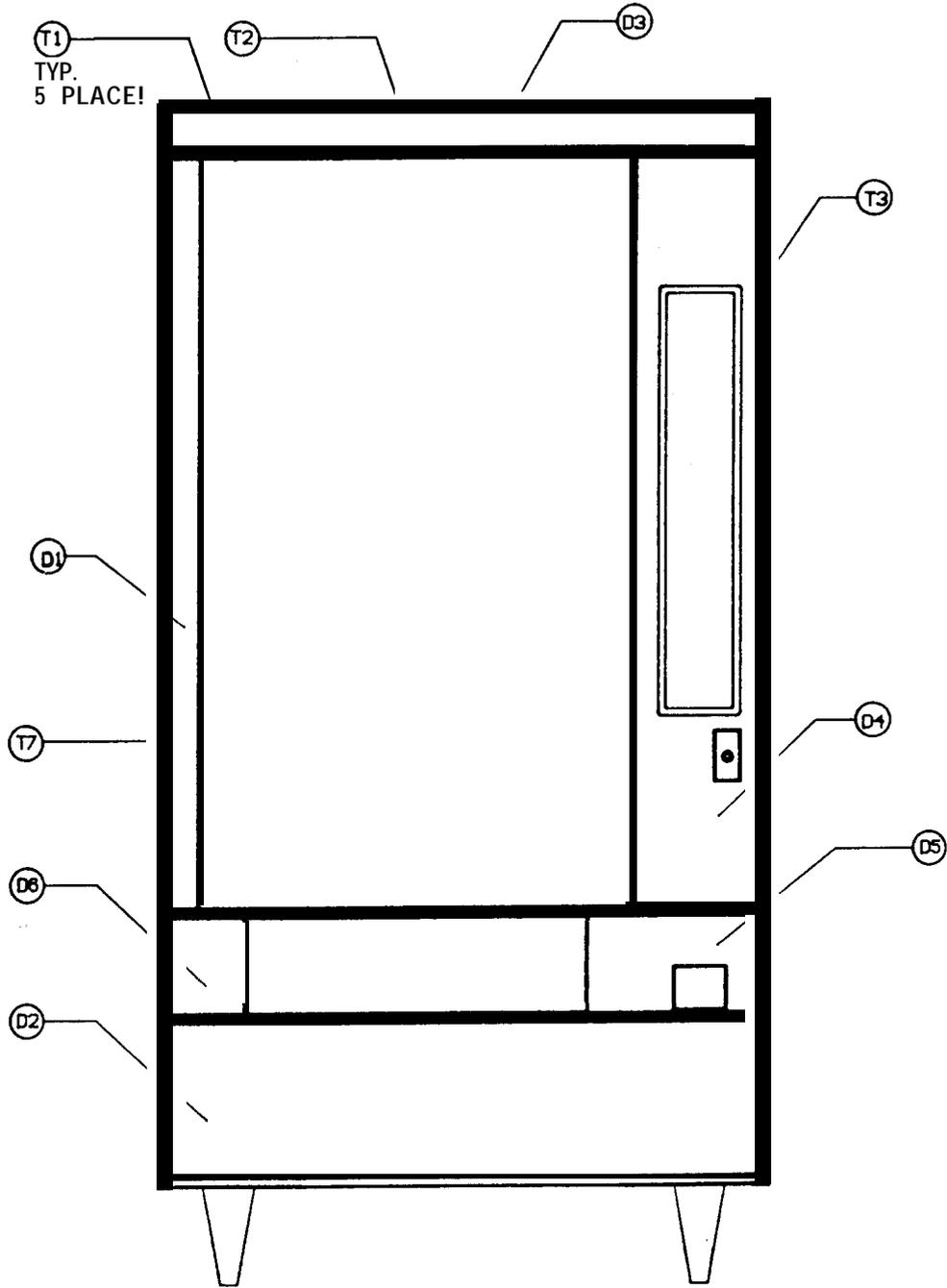
For the front door trim and panels see the respective front door conversion kit.



GENESIS FRONT DOOR CONVERSION KIT

GENESIS FRONT DOOR CONVERSION KIT PARTS LIST

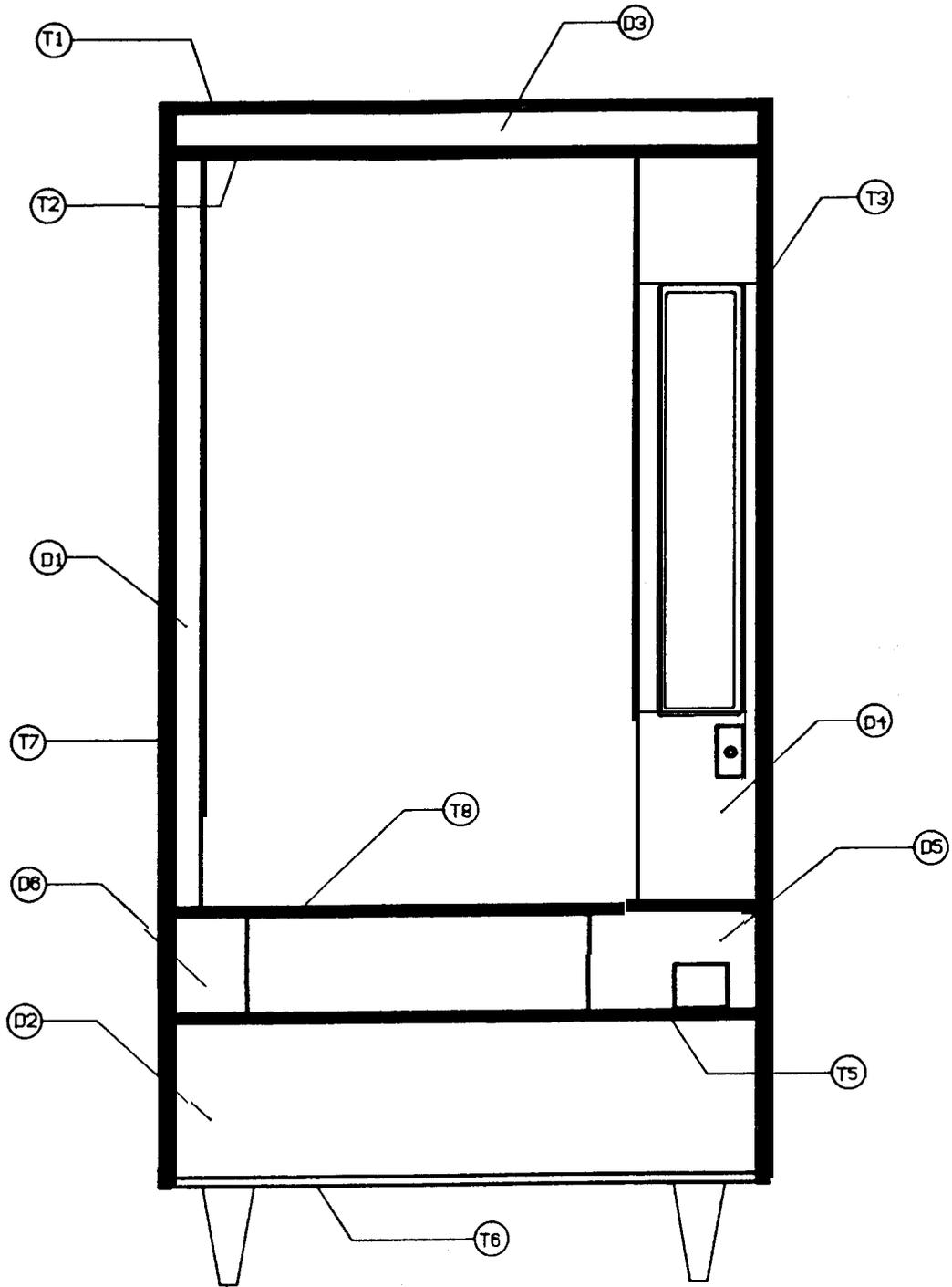
ITEM	DESCRIPTION	PART NO.	QTY.
T1	COMPLETE KIT	21173-GEN	1
T2	HORIZONTAL DOOR TRIM	21130	1
T3	HORIZONTAL DOOR TRIM	21130	1
T4	R.H. VERTICAL DOOR TRIM	21131	1
T5	HORIZONTAL DOOR TRIM	21130-BLK	1
T6	HORIZONTAL DOOR TRIM	21130-BLK	1
T7	L.H. VERTICAL DOOR TRIM	21131-01	1
T8	HORIZONTAL DOOR TRIM	21130-BLK	1
D1	DECOR LEFT PANEL ASSY.	21136-LBK	1
D2	DECOR BOTTOM PANEL ASSY.	21136-BOV	1
D3	DECOR UPPER PANEL ASSY.	21136-UBK	1
D4	DECOR RIGHT PANEL ASSY.	21136-RBK	1
D5	DECOR DEL. R.H. PANEL ASSY.	21136-DRH	1
D6	DECOR DEL. L.H. PANEL ASSY.	21136-DLH	1
not shown	PLASTILOC SCREW FOR TRIM	19321	38



IMPERIAL CROWN FRONT DOOR CONVERSION KIT

IMPERIAL CROWN FRONT DOOR CONVERSION KIT PARTS LIST

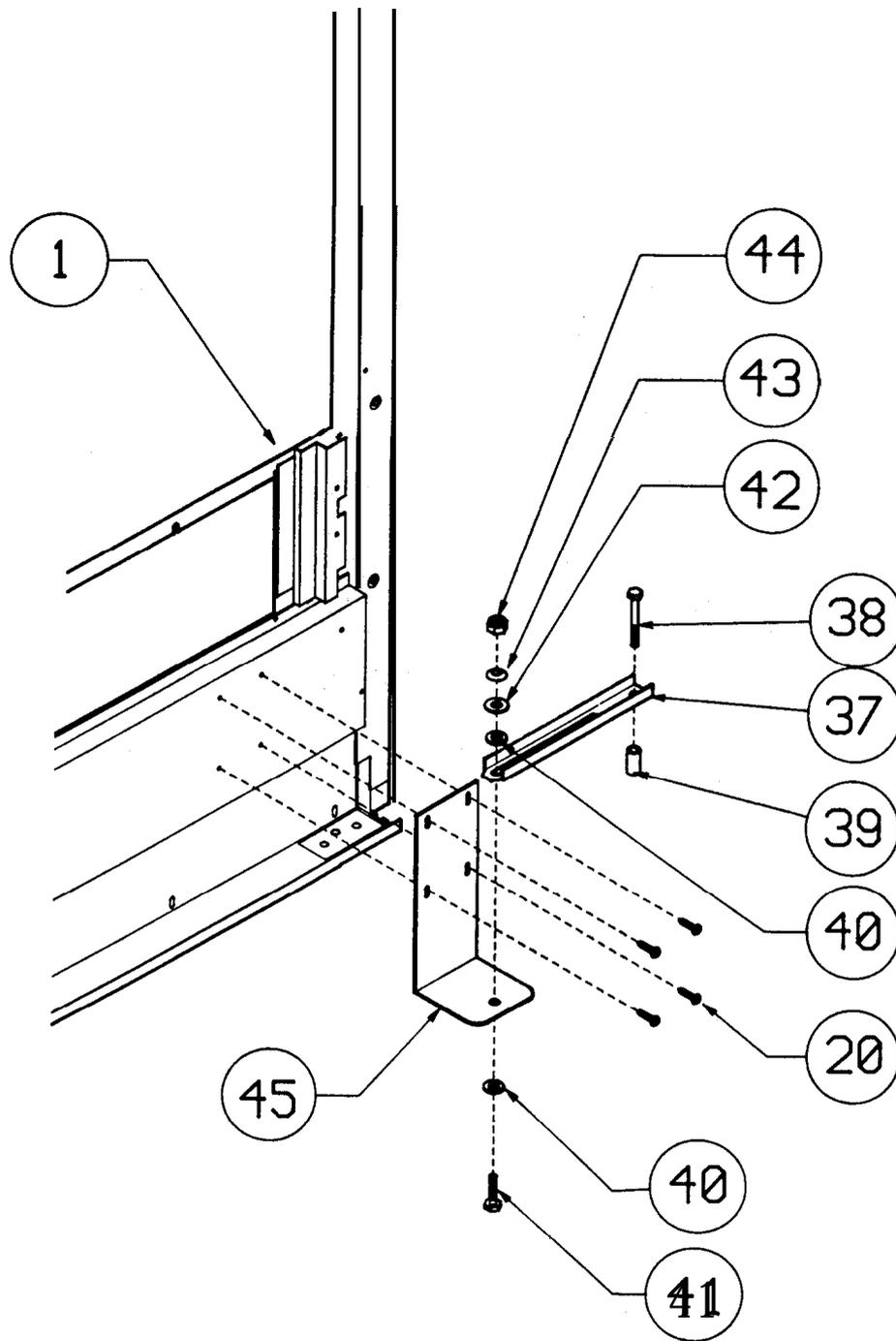
ITEM	DESCRIPTION	PART NO.	QTY.
	COMPLETE KIT	21173-c	1
T1	HORIZONTAL DOOR TRIM	21130	4
T2	DECOR BLACK TAPE 1/4	21175	14.42 FT
T3	R.H. VERTICAL DOOR TRIM	21131	1
T7	L.H. VERTICAL DOOR TRIM	21131-01	1
D1	DECOR L.H. PANEL ASSY.	21136-LPP	1
D2	DECOR BOTTOM PANEL ASSY.	21136-RPP	1
D3	DECOR UPPER PANEL ASSY.	21136-BPW	1
D4	DECOR UPPER PANEL ASSY.	21136-UPW	1
D5	DECOR R.H. DEL. PANEL ASSY.	21136-DRH	1
D6	DECOR L.H. DEL. PANEL ASSY.	21136-DLH	1
not shown	PLASTILOC SCREW FOR TRIM	19321	38



TRON FRONT DOOR CONVERSION KIT

TRON FRONT DOOR CONVERSION KIT PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY.
	COMPLETE KIT	21146-200	1
T1	HORIZONTAL DOOR TRIM	21130-BLK	1
T2	HORIZONTAL DOOR TRIM	21130	1
T3	R.H. VERTICAL DOOR TRIM	21131 -BLK	1
T5	HORIZONTAL DOOR TRIM	21130	1
T6	HORIZONTAL DOOR TRIM	21130-BLK	1
T7	L.H. VERTICAL DOOR TRIM	21131-01B	1
T8	HORIZONTAL DOOR TRIM	21130	1
D1	DECOR LEFT PANEL ASSY.	21136-LDG	1
D2	DECOR BOTTOM PANEL ASSY.	21136-BDG	1
D3	DECOR UPPER PANEL ASSY.	21136-UBK	1
D4	DECOR RIGHT PANEL ASSY.	21136-RDG	1
D5	DECOR DEL R.H. PANEL ASSY.	21136-DRH	1
D6	DECOR DEL L.H. PANEL ASSY.	21136-DLH	1
not shown	PLASTILOC SCREW FOR TRIM	19321	38



* NOTE: ADJUST LOCK NUT FOR 3[±] LBS. OPENING/CLOSING FORCE MEASURED AT DOOR EDGE OPPOSITE OF HINGE.

DOOR STOP ASSEMBLY



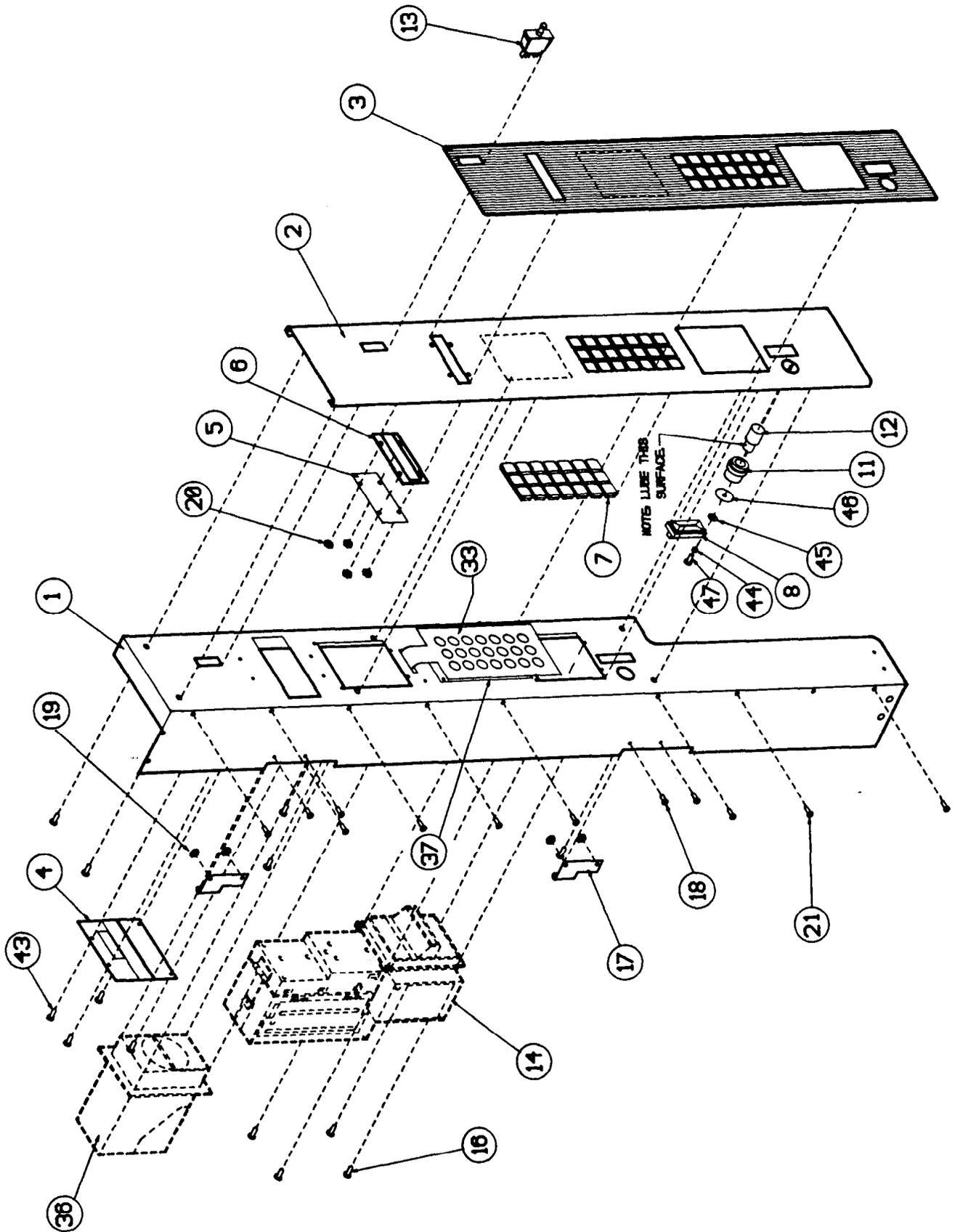
DOOR STOP ASSEMBLY PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY.
1	DOOR STOP ASSEMBLY SERVICE DOOR ASSEMBLY	50579	1
20	SCREW 1 O-24 X 5/16	13140	4
37	DOOR STOP CHANNEL	21208	1
38	HEX BOLT 5/16-18 X 2 1/4"	20177	1
39	DOOR STOP SPACER	20181	1
40	NYLON WASHER	20180	2
41	HEX BOLT 3/8-24 X 1 1/4"	20176	1
42	WASHER	20178	1
43	BELLEVILLE WASHER	20179	1
44	LOCK NUT	20196	1
45	DOOR BRACKET	21209	1

SWING-OUT PANEL ASSEMBLY PARTS LIST

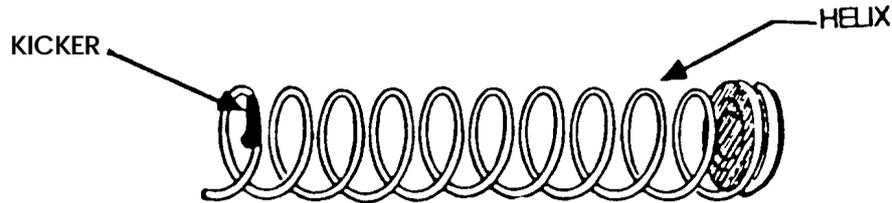
To be used in conjunction with pages 52 & 53

ITEM	DESCRIPTION	PART NO.	QTY.
	COMPLETE ASSEMBLY	21151	1
1	SWING-OUT PANEL	2134101	1
2	ESCUTCHEON (FRONT MOUNTED)	21339-HBB	1
3	CONTROL PANEL DECAL	21152CSV	1
4	DISPLAY 3/8" MULTI-NATIONAL	21153	1
5	FILTER DISPLAY EXT.	21060	1
6	EXTENDED CABINET LENS	21061	1
7	SELECTION BUTTON BLACK	19909ST	1
8	COIN INLET	17948	1
9	SCREW #8-32	1465-BLK	1
10	WASHER #8 FLAT	4280	1
11	COIN REJECT BUSHING	21126	1
12	COIN REJECT BUTTON	21125	1
13	"PULL TO CHEAT" SWITCH	19746	1
14	VALIDATOR		1
15	SCREW #8 X 3/8 TAPPING	1298BLK	14
16	SCREW #8-18 X 1/2	2614BLK	4
17	HINGE	2129403	2
18	SCREW #8-32	1465BLK	4
19	NUT SEMS #8-32	20208	4
20	NUT	1958	4
21	SCREW #8-18 X 1/4 TAPPING	1868BLK	18
22	MULTI-NATIONAL CONTROLLER	20759CNT	1
23	CONTROL BOARD COVER	21154	1
24	UPPER INSULATION PANEL W/A	21149BLK	1
25	INSULATION PANEL ASSY.	2114501	1
26	CONTROL BOARD COVER DECAL	19793	1
27	UPPER COIN CHUTE	21139BLK	1
28	COIN HOPPER W/A	2130001	1
29	SCREW #1 O-2 X 1/2	22482	2
30	SPACER	22201	2
31	SPRING 1 3/4"	611	1
32	COIN CHANGER		1
33	KEY PAD	19576	1
34	CAUTION DECAL	19819	1
35	INSULATION	21237	1
36	CREDIT CARD VALIDATOR	NOT AVAILABLE	
37	KEYPAD MOUNT PLATE	21236	1
38	REJECT SPACER BRACKET	21316	1
39	MARS HARNESS 10V	19736	1
40	DISPLAY HARNESS	19735	1
41	MAIN MOTOR HARNESS INTERCON.	19642	1
42	COIN REJECTOR 700 SERIES	21311	1
43	SCREW #4-40 X 1/2		4
44	SPACER	827	1
45	WASHER #8 .188	13419	1
46	WASHER	16154	1
47	SCREW #8-32 X 3/8 TAP	11894	1

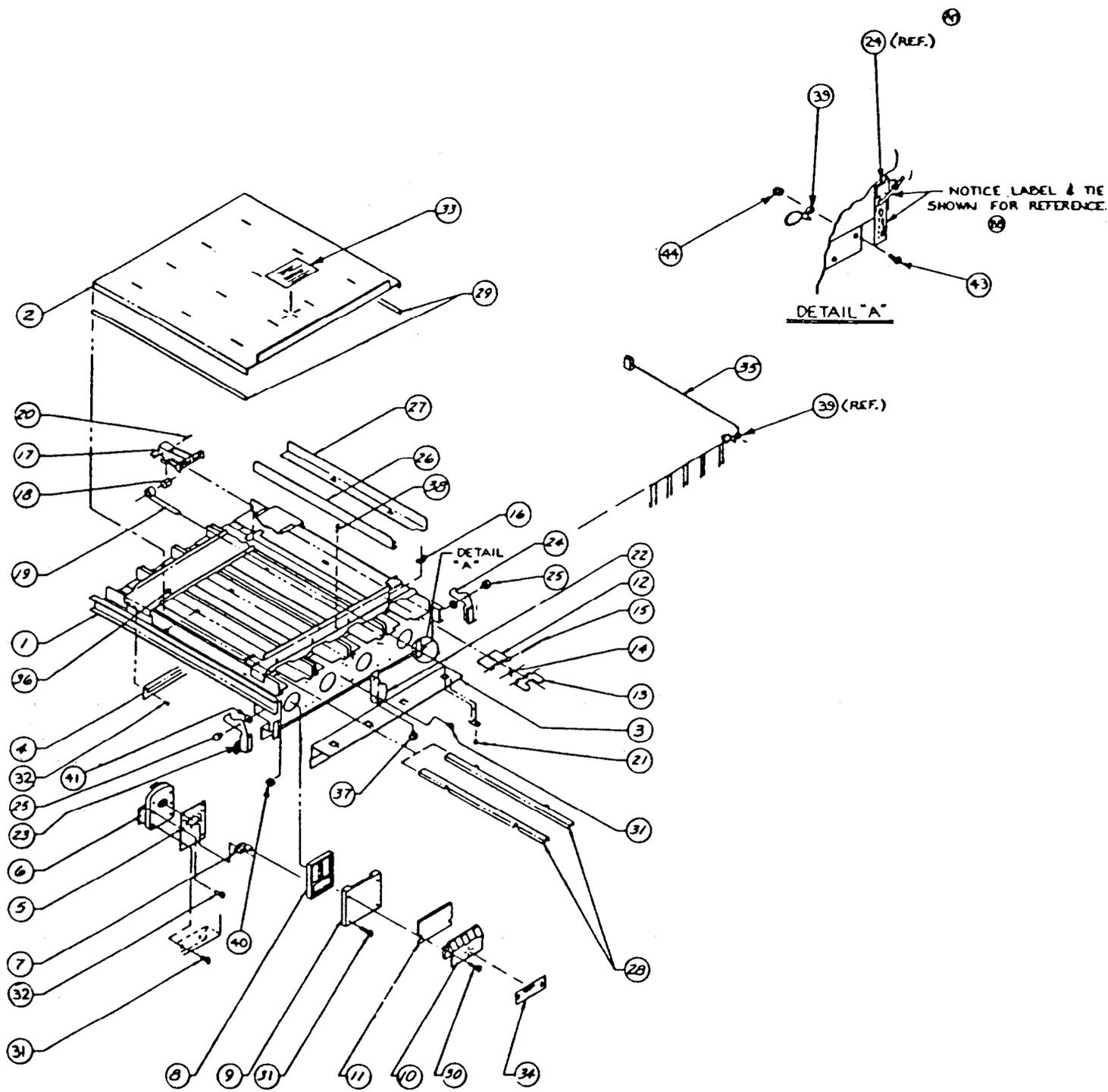


SWING-OUT PANEL ASSEMBLY DRAWING

HELIX ASSEMBLY



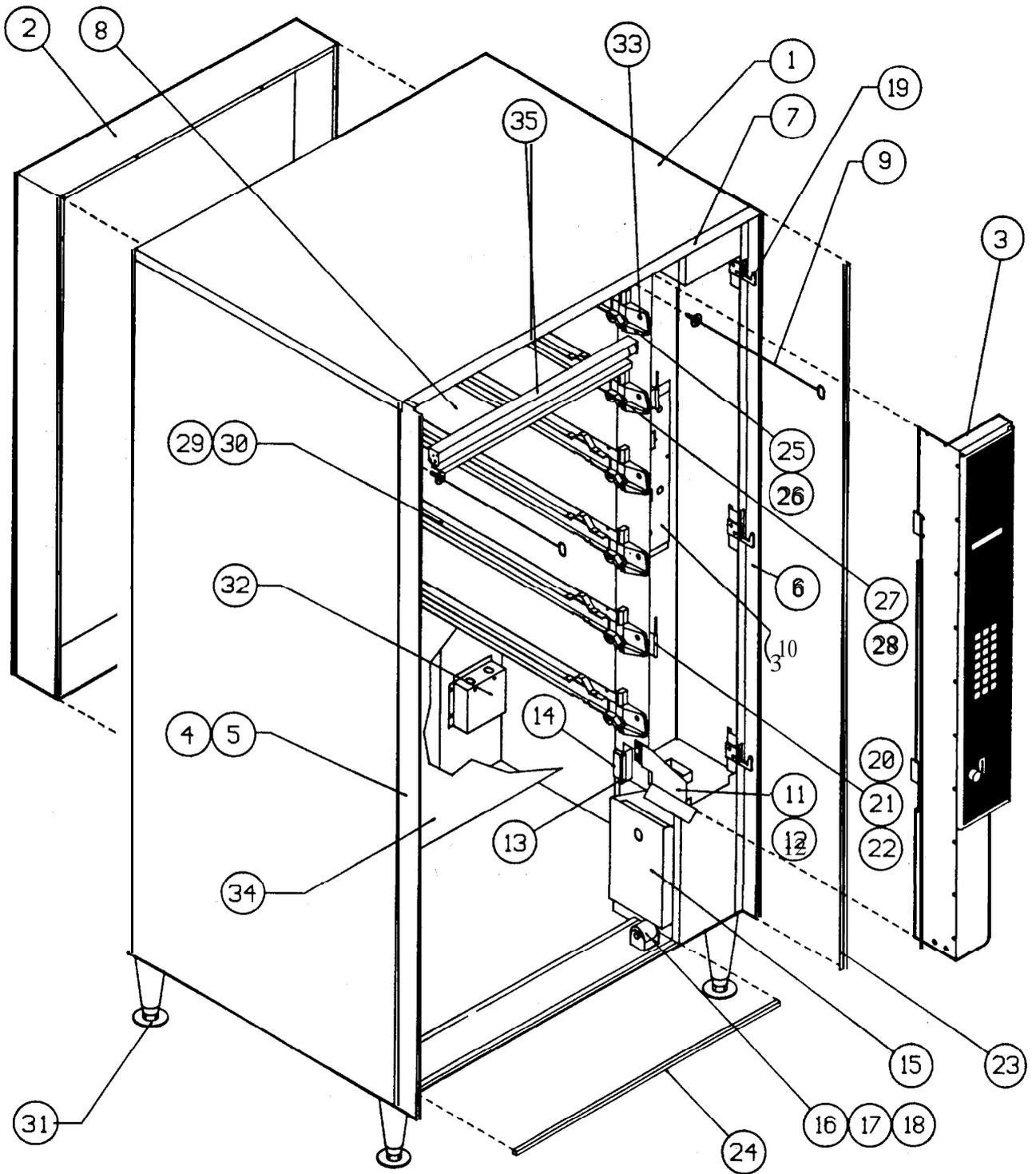
SNACK			CANDY		
Helix	Part No.	Product Thickness	Helix	Part No.	Product Thickness
15ct	21110-07	1	25ct	21109-06	5/8"
13ct	21110-04	1 15/32"	19ct	21109-01	7/8"
10ct	21110-06	1 13/16"	16ct	21109-03	1 1/8
8ct	21110-01	2 1/4"			
SEPARATE KICKER 1 a303			SEPARATE KICKER 1 a302		



GUM AND MINT DISPENSER ASSEMBLY

GUM AND MINT DISPENSER ASSEMBLY PARTS LIST

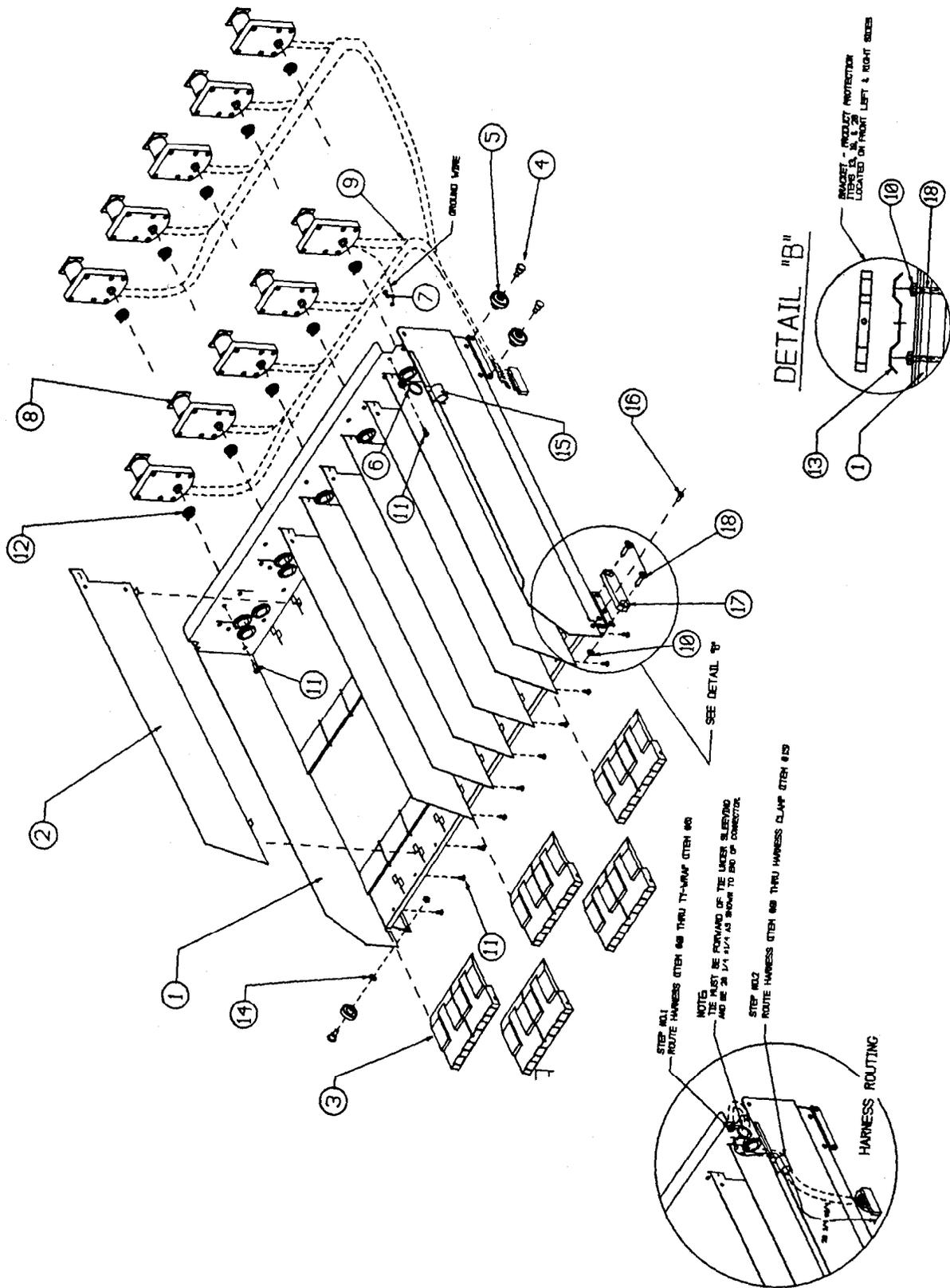
ITEM	DESCRIPTION	PART NO.	QTY.
	R.H. MOUNTING RAIL (NOT SHOWN)	21045-RHB	1
	L.H. MOUNTING RAIL (NOT SHOWN)	21045LHB	1
1	RACK ASSEMBLY W.A.	19156	1
2	PRODUCT COVER	19140	1
3	PUSHER SPRING BRACKET	19151	1
4	STOP PUSHER	19147	1
5	MOTOR PLATE	19063	5
6	D.C. MOTOR	18365-3CC	5
7	MOTOR CAM	19064	5
8	PRODUCT RELEASE ACTUATOR	19072	5
9	PRODUCT ACTUATOR BLOCK	19073	5
10	GUM AND MINT SELECTION HOLD	19071	5
11	GUM AND MINT WINDOW	19070	5
12	GATE MOUNTING PLATE	19067	5
13	GUM AND MINT PLATE	19065	5
14	GATE SPRING	19066	5
15	GATE PIN	19060	5
16	WING NUT	19170	5
17	GIM AND MINT PUSHER	19075	5
18	SPRING SPINDLE	19128	5
19	NEGATOR	19165	5
20	ROLL PIN	19171	5
21	TAPPING SCREW #6-32	18033	5
22	RACK PULL	19137	2
23	LATCH	19139-LHB	1
24	LATCH	19137-RHB	1
25	LATCH PIVOT SCREW	19138	2
26	PRODUCT WIDTH ADAPTER	19167-LHB	2
27	PRODUCT WIDTHE ADAPTER	19167-RGB	2
28	PRODUCT HEIGHT ADAPTER	19166-BLK	4
29	NYLON GUIDE	19155	2
30	TAPPING SCREW #8-18	19640-BLK	10
31	TAPPING SCREW #8-18	1299-BLK	20
32	TAPPING SCREW #6-18	1298-BLK	22
33	"CAUTION DECAL"	19174	1
34	SHELF LATCH DECAL	19175	1
35	GUM AND MINT HARNESS	19169	1
36	SNAP BUSHING	19176	2
37	BUMPER	326	2
38	TAPPING SCREW #8-18	19173	1
39	HARNESS CLAMP TIE	80569	1
40	NUT 1 O-32 W/LOCKWASHER	19458	2
41	FLAT WASHER	4280	2
43	MACHINE SCREW	1465-BLK	1
44	NUT #8-32	1958	1



COMPLTE CABINET ASSEMBLY

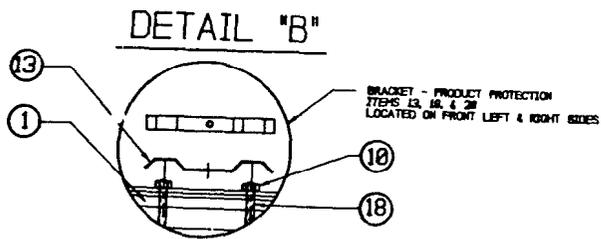
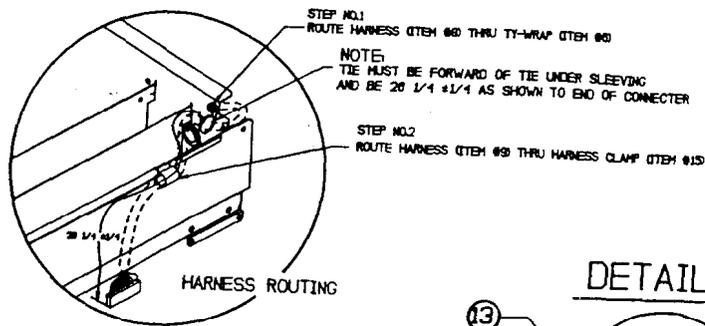
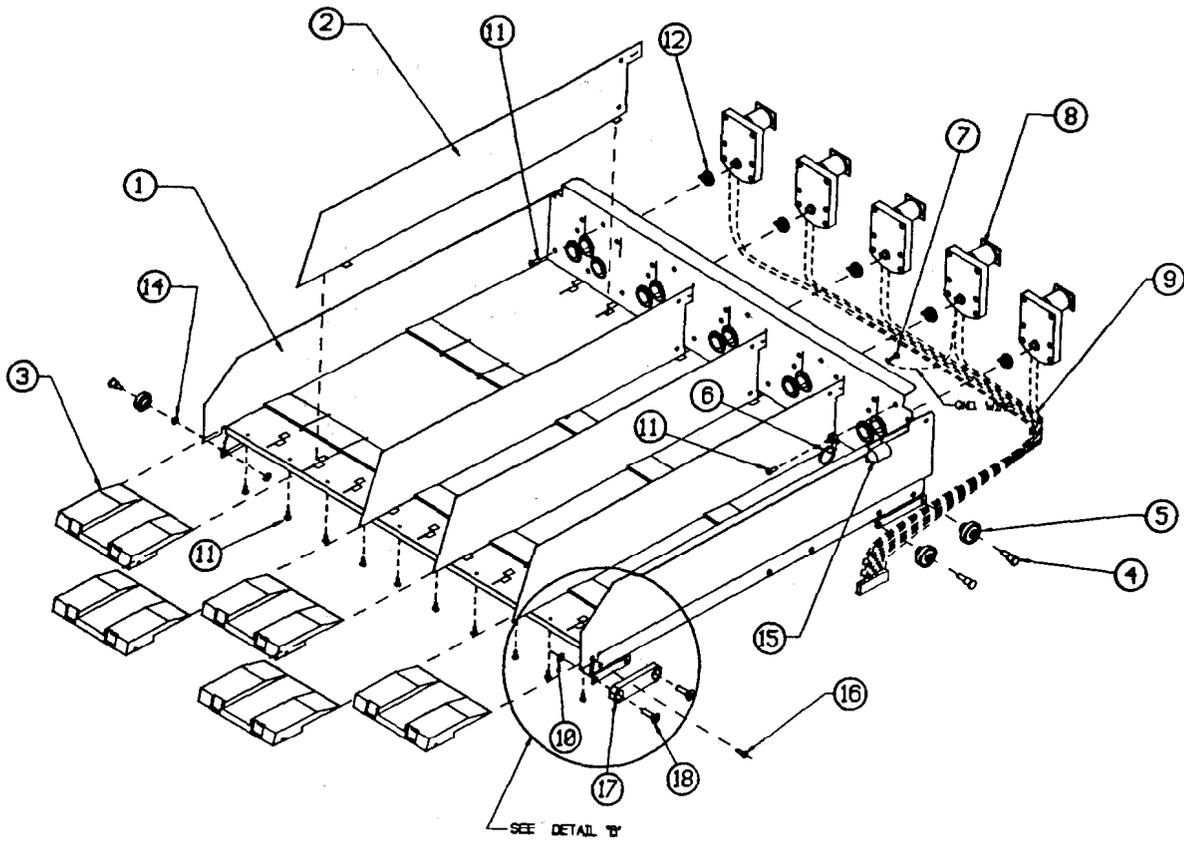
COMPLETE CABINET-ASSEMBLY PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY.
1	CABINET W/A	2129801	1
2	EXTENDED REAR DOOR	21076-BLK	1
3	PANEL ASSEMBLY	22905STD	1
4	L.H. OUTSIDE CABINET EXTENSION	20125-BLK	1
5	L.H. INSIDE CABINET EXTENSION	21024-BLK	1
6	R.H. SIDE OUTER CABINET EXTENSION	21007-BLK	1
7	TOP OUTER CABINET EXTENSION	21003-BLK	1
8	UPPER R.H. SIDE PANEL	21261	1
9	ROD W/A	21232-BLK	2
10	POWER PANEL ASSEMBLY	21189DOM	1
11	DEFLECTOR W/A	21221-BLK	1
12	L.H. DEFLECTOR	21216-BLK	1
13	MAGNET BRACKET	21260-BLK	2
14	MAGNET CATCH	5386	1
15	COIN BANK W/A	2207 103	1
16	DOOR LIFT ROLLER	21055	1
17	ROLLER BRACKET	21054-BLK	1
18	ROLLER PIN	21053	1
19	HOOK LOCK	21094-BLK	3
20	HINGE	21176	2
21	SCREW #8-32	111465-BLK	4
22	NUT #8-32	2105	4
23	NEOPRENE STRIPPING 3/32 X 3/8	22324	6.0 FT
24	NEOPRENE STRIPPING 3/16 X 3/8	810-00	2.4 FT
25	LEFT TRAY LEAD-ON	18829	6
26	RIGHT TRAY LEAD-IN	18828	6
27	CAM LATCH	18697	6
28	SHOULDER SCREW	18827	6
29	L.H. TRACK	21141 -BLK	5
29A	L.H. TRACK BOTTOM RAIL	2130801	1
30	R.H. TRACK W/A	2135701	5
30A	R.H. TRACK BOTTOM RAIL	21333	1
31	LEG	22214	4
32	TERMINAL COVER	21193-BLK	1
33	SCREW #8-18 X 3/8	1298-BLK	130
34	FALSE BOTTOM	21268	1
35	LIGHT FIXTURE	21224-BLK	1
	MAGNET HOLDER SWING-OUT PANEL	21260-BLK	3
	MAGNET	5386	3



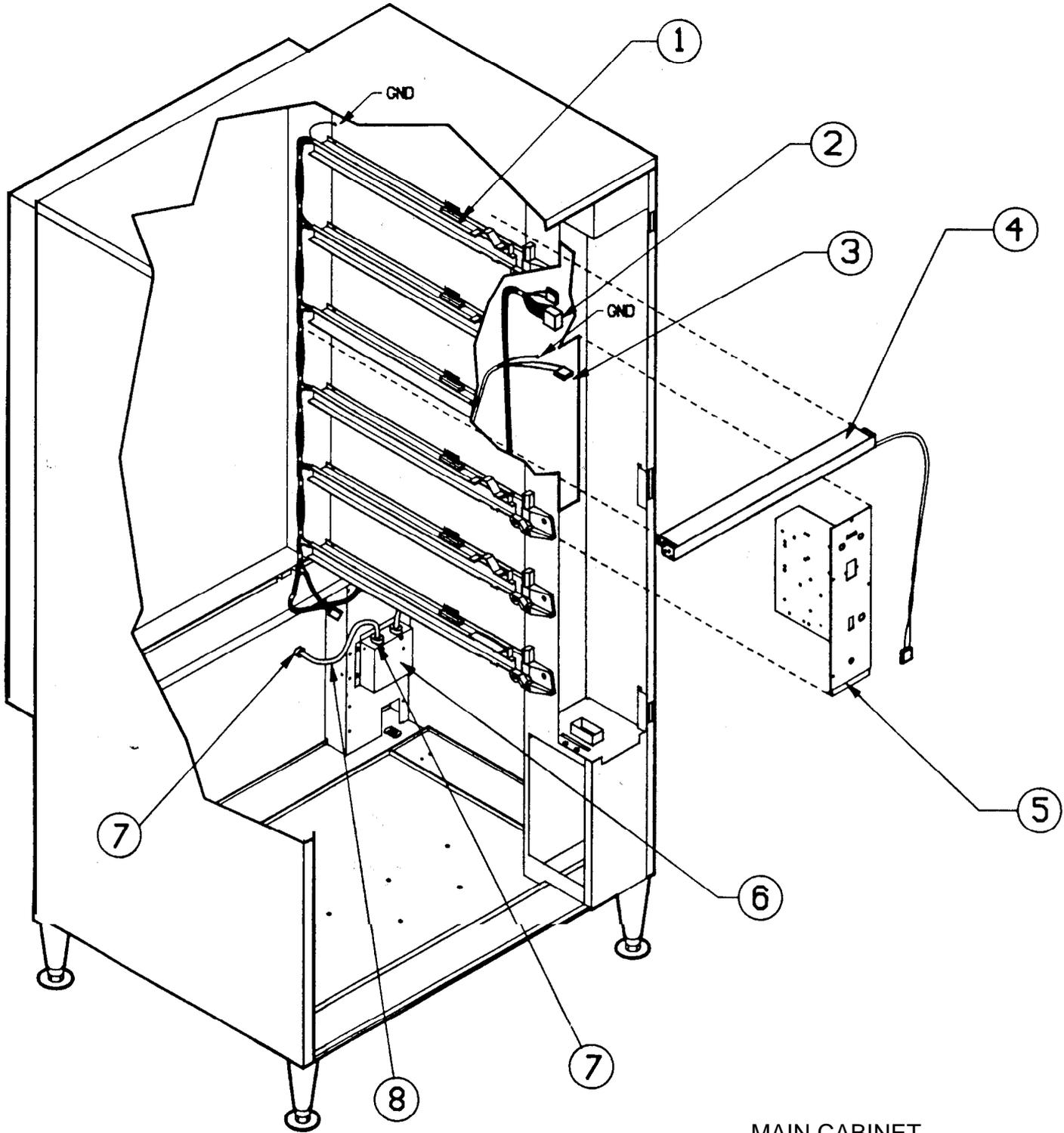
CANDY TRAY ASSEMBLY PARTS LIST

ITEM	DESCRIPTION	PART NO.	QN.
	TRAY ASSEMBLY COMPLETE	21039-5C	-
1	SLIDING TRAY W/A	21018-BLK	1
2	TRAY DIVIDER	21083-BLK	4
3	PASTRY TRAY FRONT	18926	5
4	WHEEL AXLE	21302	5
5	TRAY WHEEL	19729	7
6	HARNESS CLAMP	80569	1
7	#8 PAN HEAD SCREW	1715	2
8	MOTOR D50-24-6-X	21070-3CC	5
9	CANDY TRAY HARNESS	21128	1
10	HEX NUT 1/4-20	18821	7
11	PLASTILOK #8 SCREW	19321	31
12	PLASTIC HUB COUPLING	17537	5
13	BRACKET PROD. PROTECTION	2307601	2
14	WASHER #8	13419	1
15	CLAMP	8538-01	1
16	DRIVE RIVET	21315	2
17	BLOCK WHEEL STOP	21361	1
18	SCREW	22988	2
19	SCREW	1868-BLK	2
20	WASHER	266	2



SNACK TRAY ASSEMBLY PARTS LIST

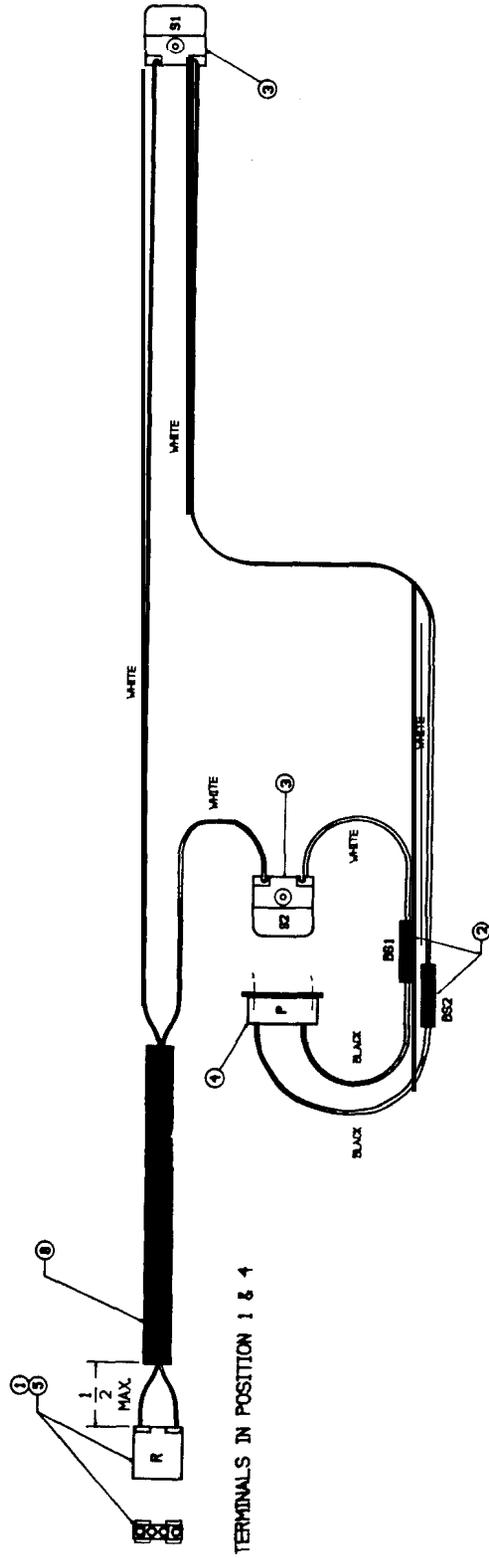
ITEM	DESCRIPTION	PART NO.	QTY.
1	TRAY ASSEMBLY COMPLETE SLIDING TRAY W/A	21039-x 2101 a-BLK	1
2	TRAY DIVIDER	21083-BLK	4
3	PASTRY TRAY FRONT	18926	5
4	WHEEL AXLE	21302	5
5	TRAY WHEEL	19729	7
6	HARNESS CLAMP	80569	1
7	#a PAN HEAD SCREW	1715	2
8	MOTOR D50-24-6-X	21070-3CC	5
9	CANDY TRAY HARNESS	21127	1
10	HEX NUT 1/4-20	18821	7
11	PLASTILOK #a SCREW	19321	31
12	PLASTIC HUB COUPLING	17537	5
13	BRACKET PROD. PROTECTION	2307601	2
14	WASHER #a	13419	1
15	CLAMP	8538-o 1	1
16	DRIVE RIVET	21315	2
17	BLOCK WHEEL STOP	21361	1
1a	SCREW	22988	2
19	SCREW	1868-BLK	2
20	WASHER	266	2



MAIN CABINET
ELECTRICAL WIRING DIAGRAM

**MAIN CABINET
ELECTRICAL WIRING DIAGRAM
PARTS LIST**

ITEM	DESCRIPTION	PART NO.	QTY.
1	CHASSIS MOUNT HEADER	19652	1
2	MAIN MOTOR HARNESS	2128401	1
3	POWER CORD	21263	1
4	LAMP ASSEMBLY HARNESS	21268	1
5	POWER PANEL ASSEMBLY	21158	1
6	TERMINAL COVER	21193	1
7	STRAIN RELIEF BUSHING	2438	3
8	POWER CORD	21263	1

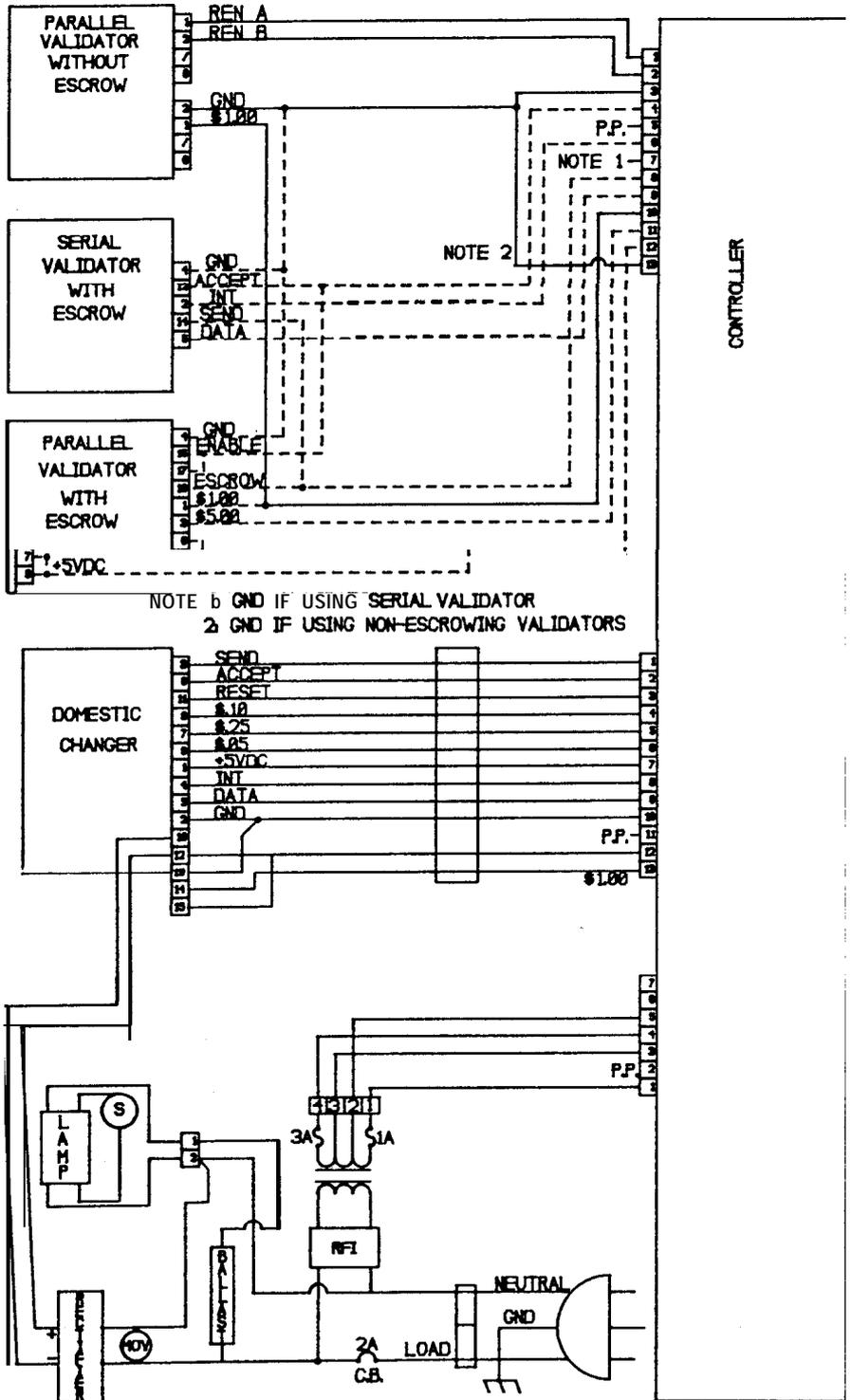


LAMP FIXTURE ASSEMBLY

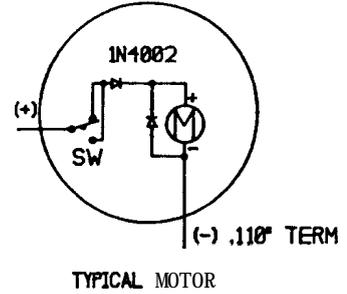
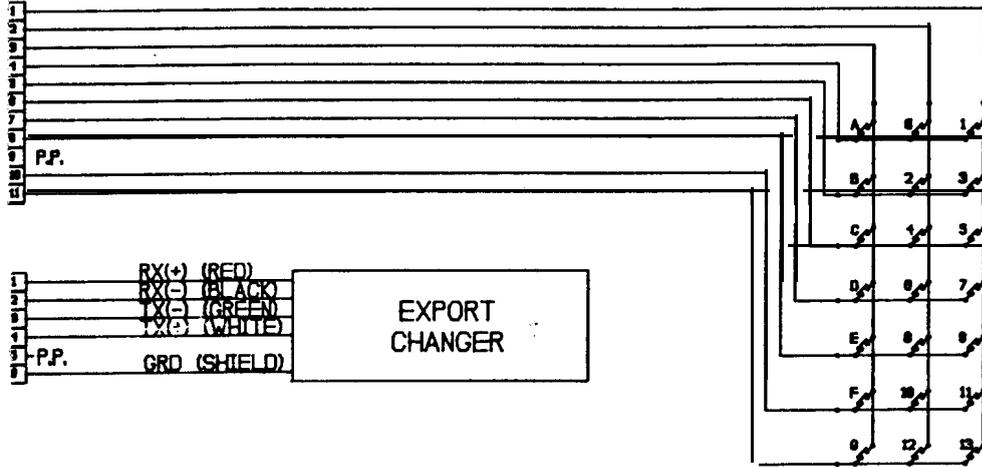
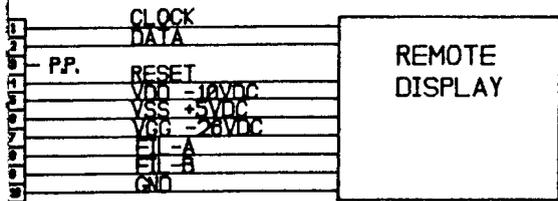


LIGHT FIXTURE ASSEMBLY PARTS LIST

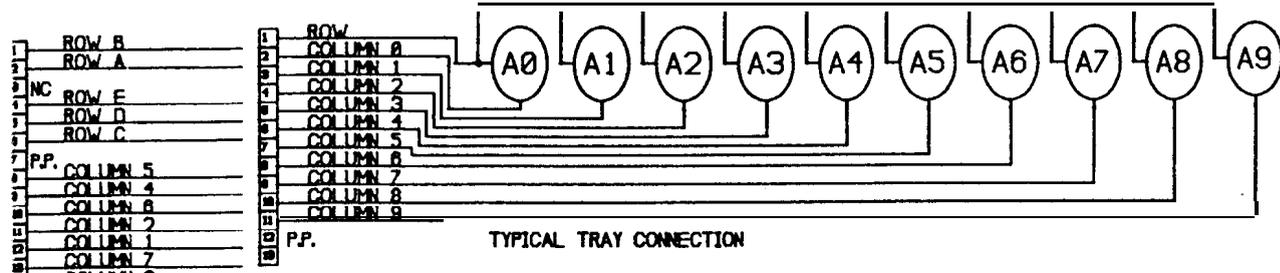
ITEM	DESCRIPTION	PART NO.	QTY.
1	SCREW	863	1
2	SCREW	13261	3
3	MOLEX PLUG	2046-2	4
4	WHITE WIRE 20 GA.	8090-99	65"
5	STARTER SOCKET	21200	1
6	LAMP SOCKET	19564-01	2
7	BUTT SPLICE	172	4
8	CONN. 2P	18874-026	1
9	BRACKET	22614	1
10	TUBING	2040-8	10"
11	TIE	2120-1	4



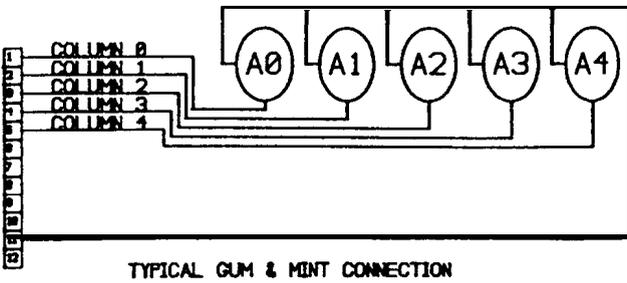
COMPLETE ELECTRICAL MACHINE SCHEMATIC



PIN 8 IS KEY POSITION



TYPICAL TRAY CONNECTION



TYPICAL GUM & MINT CONNECTION



Polyend[®] INC.

700 South German Lane
Conway, Arkansas 72032 USA
(501) 327-1301

Printed in USA