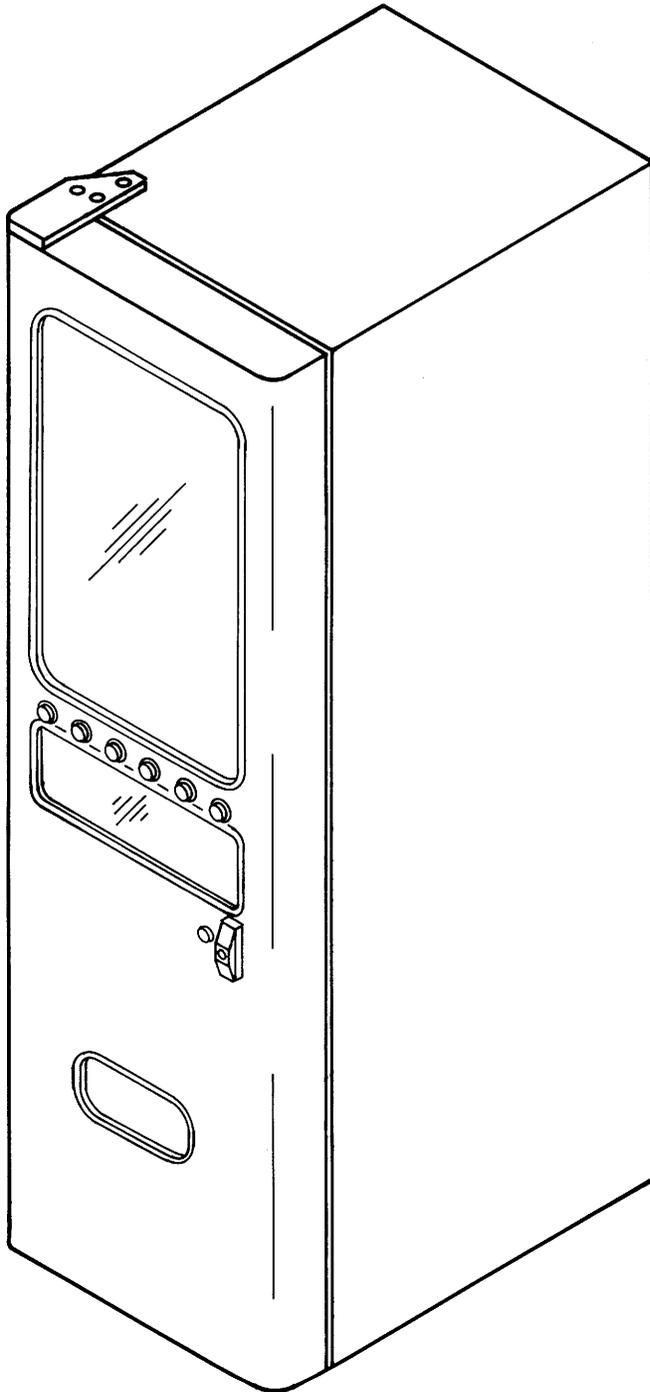
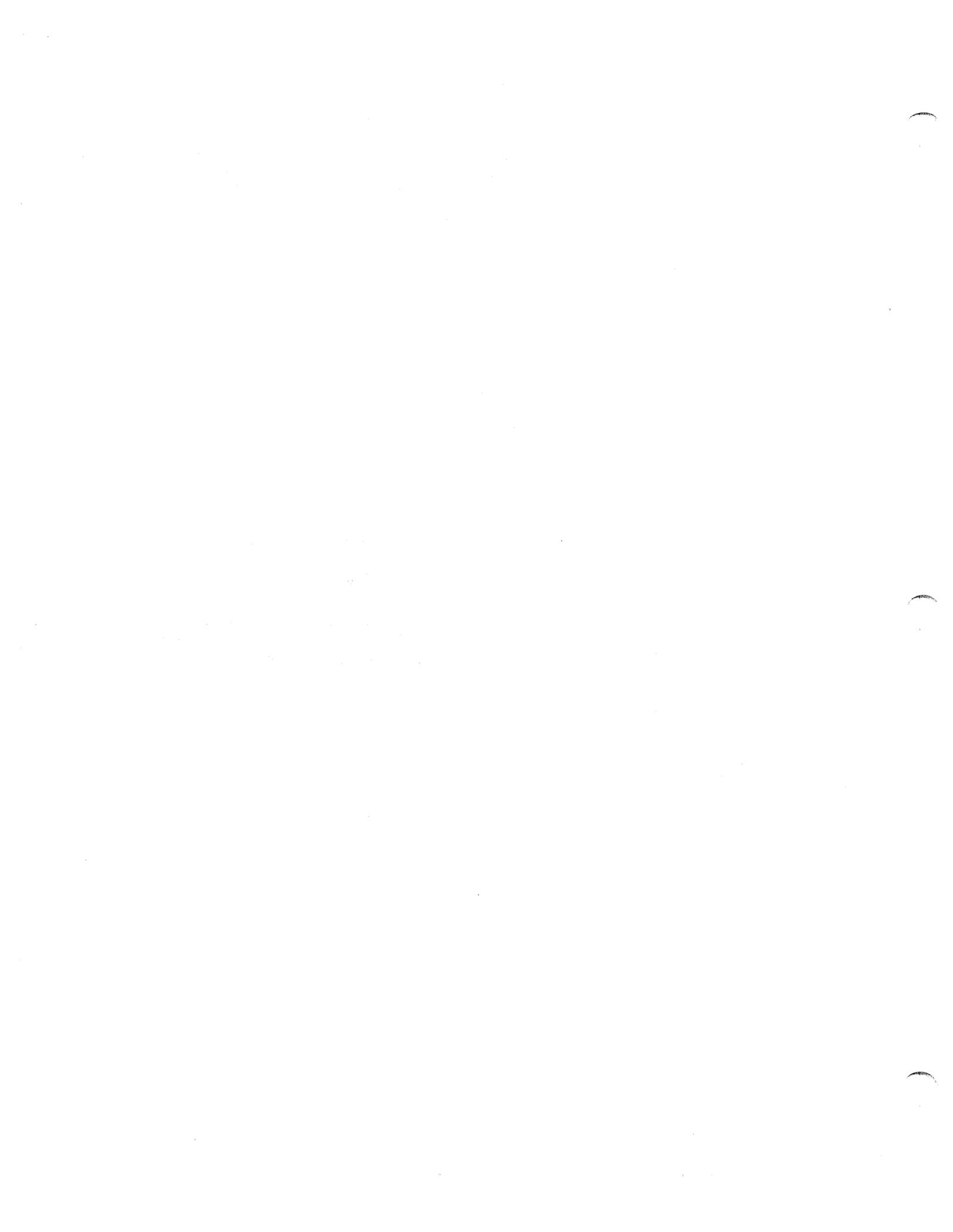


**FREE VEND
COLD DRINK VENDOR
MODEL: 3061-HEH**



**SERVICE
MANUAL**

P/N 4206303



INTRODUCTION

This service manual contains installation and service information on the Model 3061-HEH Free Vend Can Drink Vendor. This is a six (6) select, 12 ounce can vendor that operates on a "first-in", "first-out" vending principle on all selections. This assures that the freshest products is always delivered to the customer.

The electronic controller has been factory programmed for all selections to be set at a "zero" vend price allowing all products to be vended without money being inserted.

The machine includes a "Key Switch" that, when turned "ON", will prevent the vending of Selections 5 & 6. This will allow the owner/operator to load these selections with "private stock" and have control of the vending of these products.

The initial set-up of a machine is a very important step of insuring that the equipment operates in a trouble-free manner. By following the instructions at the initial installation of the machine, service problems can be avoided and setup time will be minimized.

It is recommended that this manual be read thoroughly to familiarize the service person with the functions and operation of all components along with the features that are available.

Should you have any questions pertaining to information in this manual, replacement parts, or the operation of the vendor you should contact your local distributor or Selectivend Service, 165 North 10th Street, Waukee, Iowa 50263. Phone: (515) 274-3641.

SPECIFICATIONS

PHYSICAL DIMENSIONS & WEIGHT	
HEIGHT	68 Inches
WIDTH	21 Inches
DEPTH	29 1/2 Inches
WEIGHT	425 Pounds

POWER REQUIREMENTS	
POWER	115 VOLT-15 Amps
HERTZ	60 Cycle
START AMPS	7.0 Amps
RUNNING AMPS	3.5 Amps

REFRIGERATION:

1/4 Horsepower
Hermetically Sealed
3.5 Ounces R-134a Refrigerant

SELECTIONS:

Six - 12 ounce cans

CAPACITY:

204 - 12 ounce cans
Selection #1 33 Cans
Selection #2 35 Cans
Selection #3 33 Cans
Selection #4 35 Cans
Selection #5 33 Cans
Selection #6 35 Cans

UNPACKING

This machine has been thoroughly inspected before leaving the factory and the delivering carrier has accepted this vendor as their responsibility. Any damage or irregularities should be noted at the time of delivery and reported to the carrier. Request a written inspection report from the claims inspector to file any claim for damage. File the claim with the CARRIER (**NOT THE MANUFACTURER**) within 15 days after receipt of the machine.

Carefully remove the outside packing material in a manner not to damage the finish or exterior of the machine. Inspect the machine for concealed shipping damage. Report any damage hidden by the shipping material directly to the delivering carrier on a hidden damage report.

Record the model number and serial number of the vendor for your records. These numbers can be found on the Serial Plate located on the rear of the cabinet and/or inside the vendor. Refer to these numbers on all correspondence and inquiries pertaining to this vendor.

Remove the "Knock-A-Way Support" by placing a 2 x 4 under the vendor, inserting a screwdriver or prying tool into the groove of the "Knock-A-Way" and splitting it in two. Turn the leveling screws in as far as possible. (**See Illustration #1**)

Position the vendor in its place of operation no further than 9 feet from the power outlet or receptacle and check that the door will open fully without interference. Leave at least six (6) inches of space between the back of the machine and any wall or obstruction for proper air circulation. Level the vendor, making

sure all levelers are touching the floor. The vendor **must** be level for proper operation. If the vendor is properly leveled, it should not "rock" or teeter" on any of the Levelers.

Remove all shipping brackets, tape and inner packing material from the vendor. To try to operate the vendor without removing tape and packing material from moving parts could result in damage.

Consult local, state and federal codes and regulations before installation of the vendor.

To minimize installation time and to avoid service problems due to improper installation, follow the instructions outlined in this manual.

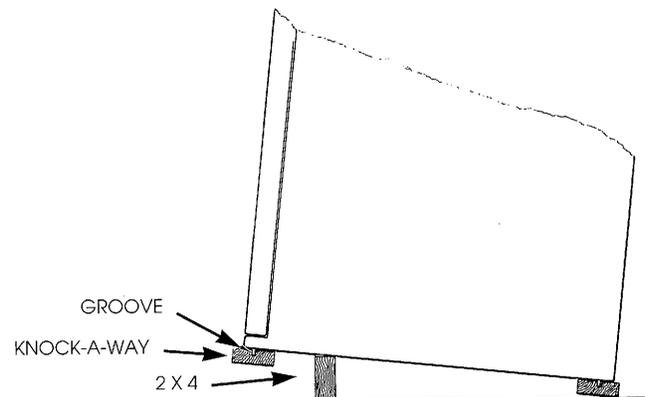


ILLUSTRATION #1

GROUNDING & ELECTRICAL

For proper operation of any equipment utilizing electronically controlled components, it is recommended that the equipment be placed on an isolated or dedicated "noise" free circuit, properly polarized and grounded. The circuit should be a minimum **15 Amp**, 115 Volt AC, 60 cycle.

Shown in **Illustration #2** and **Illustration #3** are two (2) properly grounded and polarized wall outlets. **Illustration #2** is a three (3) wire grounding type wall outlet. **Illustration #3** is a two (2) wire outlet with a three (3) plug adapter in place. To verify that the receptacle is properly grounded and polarized, insert one probe of a volt/ohm meter (set to check AC line voltage) or a test light in the ground terminal (hole) and the other probe into the "hot" terminal of the outlet. You should read 115 VAC on the volt/ohm meter or the test light should light.

NOTE: The "hot" side of the outlet should always be counterclockwise from the grounded terminal, with the ground terminal at the bottom.

If you find that the receptacle is not properly grounded, or polarized, you should contact a licensed electrician to correctly polarize and/or ground the receptacle to ensure safe operation.

WARNING: Do not operate the vendor on an extension cord. Do not block the ventilating screens in front or in the rear of the vendor. Always allow free ventilation behind a bank installation, so that exhaust air is not trapped. Failure to do so could result in a refrigeration failure.

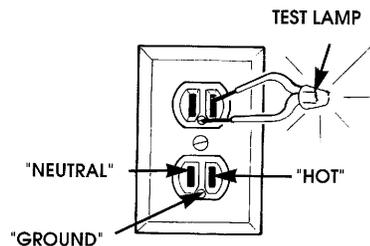


ILLUSTRATION #2

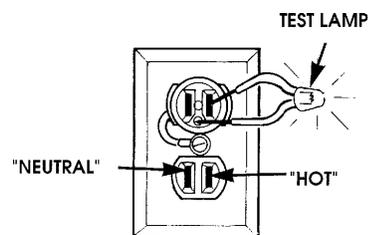


ILLUSTRATION #3

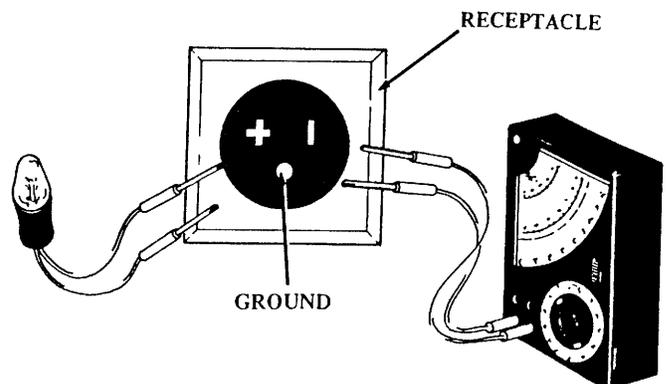


ILLUSTRATION #4

—INSTALLATION OF WALL MOUNT BRACKET

WARNING: Failure to install the Wall Mount Bracket in strict accordance with the following procedure may create an unintentional tipping, hazard, or may result in improper positioning of the machine against the wall and possible damage to the refrigeration unit. All installation and service work must be done by a qualified service technician.

1. Locate wall mount bracket and eight (8) screws in the service package.

2. Securely attach wall mount bracket with eight (8) screws to the cabinet back. Align holes in wall mount bracket with the hole pattern in cabinet back to ensure proper positioning of the wall mount bracket. (See Illustration #5).

3. Push machine to desired position against wall and clearly mark, through wall mount bracket, holes intended for mounting. These holes allow attachment to both concrete or sheet rock walls, using the two center holes for a 24" stud sheet rock wall, outer most holes for a 16" stud sheet rock wall, smallest holes for sheet rock wall when studs are not available and any pattern for a concrete wall. (Fasteners used are determined by type of wall machine is to be mounted. For suggested fasteners see Illustration #6).

4. Push machine away from markings for desired mounting holes and drill these holes in the wall. The fasteners used to attach bracket to wall will determine the diameter of hole to be drilled.

5. Finally, push machine back to desired position against wall and securely attach wall mount bracket to wall using proper

fasteners. Fasteners are not provided, see Illustration #6 for suggestions.

6. Holes are provided in bottom of cabinet (See Illustration #5) to allow machine to be mounted to floor. Follow above procedures for marking and drilling holes. (Fasteners used are determined by the construction of the floor the machine is to be mounted to). See Illustration #6 for suggestions.

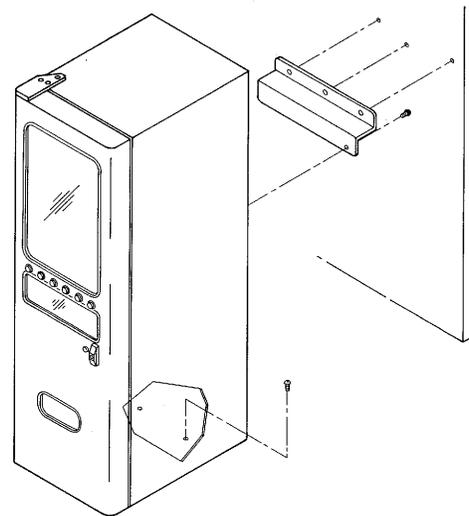


ILLUSTRATION #5

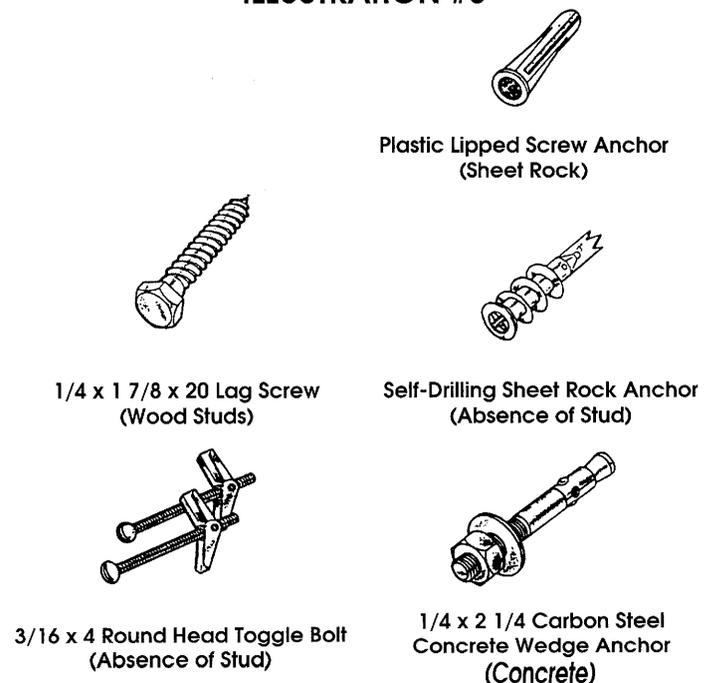


ILLUSTRATION #6

LOADING INSTRUCTIONS

The display window above the selection buttons provides a visual display of the product being selected. When loading the display and the serpentine storage area make sure the products agree with the areas identification.

To load the serpentine storage area, place the product in the loading area that coincides with the desired selection and release as shown in **Illustration #7**. The selection buttons read one through six from left to right and correspond directly to labeled loading areas shown in **Illustration #8**.

Selections One (1), Three (3) and Five (5) will hold 33 cans each. Selections Two (2), Four (4) and Six (6) will hold 35 cans each.

NOTE: When loading the columns, **do not** let the first cans being loaded strike the motor cams with full force.

Do not store product inside the cabinet area. This restricts the air flow and will cause the refrigeration unit to malfunction or possible damage to the unit.

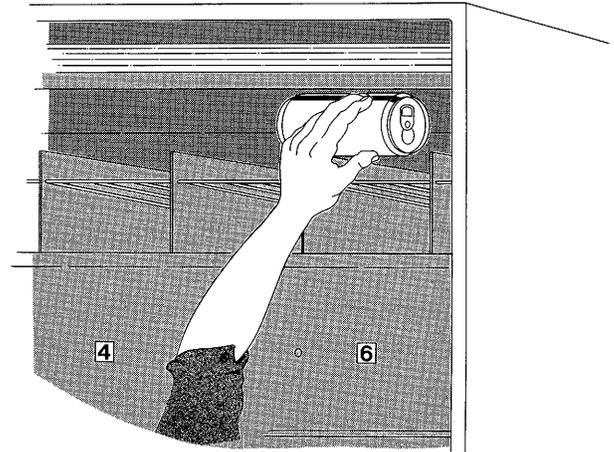


ILLUSTRATION #7

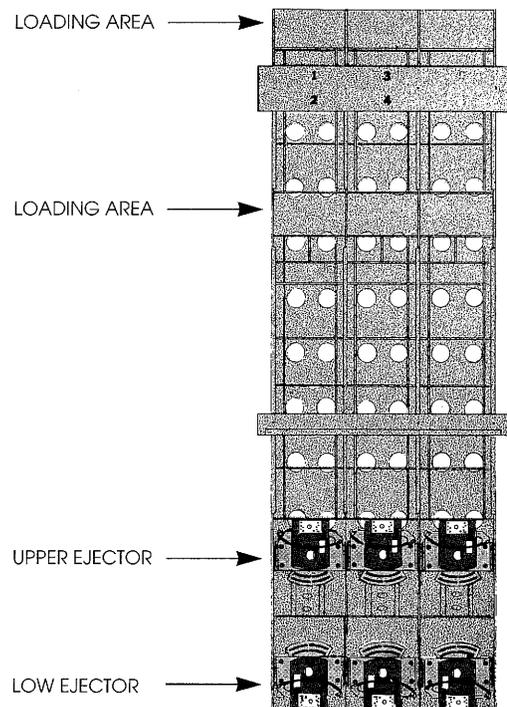


ILLUSTRATION #8

INSTALLATION CHECKLIST

1. All shipping brackets, packing material and tape has been removed.
2. Vendor has been properly leveled from left to right and front to back.
3. Vendor is positioned no more than 9 feet from the power outlet.
4. There is at least six (6) inches of space between the back of the machine and any wall or obstruction for proper air circulation.
5. Machine is plugged directly into a 115 volt dedicated circuit properly polarized and grounded.
6. Machine has been properly loaded and all items in each selection corresponds to the display product.
7. The vendor door is closed tightly and locked.

WARNING: Extension cords cause problems - **“DO NOT USE EXTENSION CORDS.”**

UPPER EJECTOR MECHANISM REMOVAL

Before removing the Ejector Mechanisms, the product must be removed from the serpentine column and from the vending area. Can Stops are furnished in the service packet that can be used to hold the cans in the upper portion of the serpentine when removing the ejector mechanism in a full column. The motors can be rotated clockwise slowly by hand to remove the cans that are not being held back by the can stop.

CAUTION: If the motor has to be rotated, make sure it is always rotated in a clockwise direction. Damage to the motor could result if rotated too fast, or in the wrong direction.

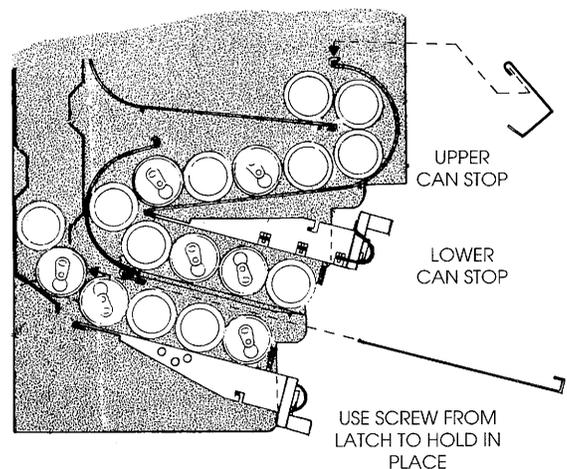


ILLUSTRATION #9

LOWER EJECTOR

To remove the upper ejector mechanism proceed as follows:

NOTE: If only the motor needs to be removed, follow Steps 1 through 3 plus Step 7.

1. Turn the power switch to the "OFF" position or un-plug the vendor.

2. Insert the Upper Can Stop (P/N 1211018) by hooking it over the rod and clamping it down around the can. (See **Illustration #9**).

3. Loosen the latch screw so the latch drops and out of the way. (See **Illustration #10**).

4. To remove the complete ejector mechanism without removing the motor, rotate the cam clockwise slowly by hand to remove all cans that are not being held back by the Can Stop (Step 2).

5. Unplug the ejector mechanism wiring harness from the main motor harness.

6. After the cans have been removed from the ejector mechanism, the ejector mechanism can be removed. Push the ejector mechanism backward until it clears the retaining rod and drops down and out.

7. To remove the vend motor, remove the two motor screws. Remove the wire harness connections from the motor switch and circuit board tabs, noting which wire connects to which tab. Cut the plastic cable tie that straps the main harness to the motor cylinder and remove motor. (See **Illustration #10**).

NOTE: After the motor screws have been removed, pressure will be needed to pull the motor off the cam drive shaft.

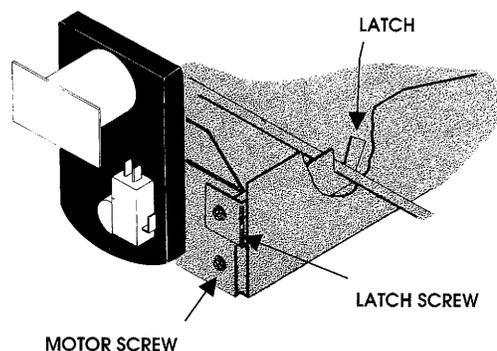


ILLUSTRATION #10

LOWER EJECTOR MECHANISM REMOVAL

Before removing the Ejector Mechanisms, the product must be removed from the serpentine column and from the vending area. Can Stops are furnished in the service packet that can be used to hold the cans in the upper portion of the serpentine when removing the ejector mechanism in a full column. The motors can be rotated clockwise slowly by hand to remove the cans that are not being held back by the can stop.

CAUTION: If the motor has to be rotated, make sure it is always rotated in a clockwise direction. Damage to the motor could result if rotated too fast, or in the wrong direction.

LOWER EJECTOR cont.

To remove the lower ejector mechanism proceed as follows:

NOTE: If only the motor needs to be removed, follow Steps 1 through 5.

1. Turn the power switch to the "OFF" position or un-plug the vendor.
2. Remove the can chute assembly by removing the two screws on the side and one on the bottom.
3. Insert the Lower Can Stop (P/N 1200137-102) by sliding the can stop all the way in and screwing down the fastener. (See Illustration #11).
4. Remove the latch screw and latch. (See Illustration #12).

To remove the vend motor, remove the two motor screws. Remove the wire harness connections for the motor switch and circuit board tabs, noting which wire connects to which tab. Cut the plastic cable tie that straps the main harness to the motor cylinder and remove the motor. (See Illustration #12).

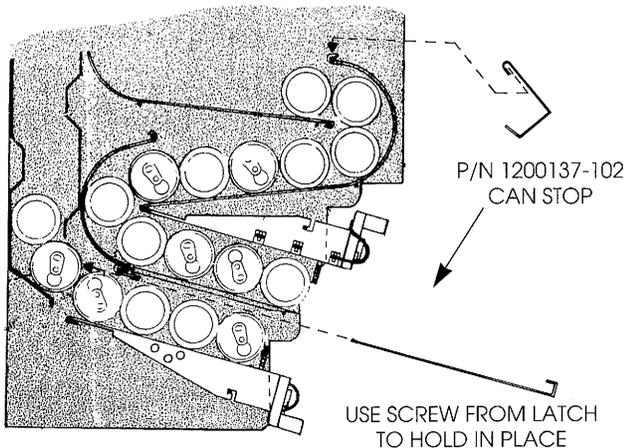


ILLUSTRATION #11

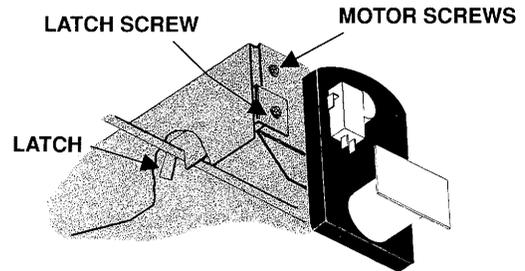


ILLUSTRATION #12

6. To remove the complete ejector mechanism without removing the motor, rotate the cam clockwise slowly by hand to remove the cans that are not being held back by the can stop. The cam must be pointing upward to enable the mechanism to be removed.
7. Unplug the ejector mechanism wiring harness from the main motor harness.
8. After the cans have been removed from the ejector mechanism the ejector mechanism can be removed. Push the ejector mechanism backward until it clears the rod and lift upward and out.

CAUTION: If the motor has to be rotated, make sure it is always rotated in a clockwise direction. Damage to the motor could result if rotated too fast, or in the wrong direction.

TROUBLESHOOTING

REFRIGERATION SYSTEM

Clean dust from condenser and screen in the front door with a soft bristle brush or vacuum cleaner. Remove any dirt or debris from the refrigeration system compartment. Remove and clean the condensation pan.

Do not block the evaporator or any area of the air flow with product or supplies.

CAUTION: Always disconnect power source before cleaning.

TROUBLESHOOTING

BEFORE CALLING FOR SERVICE CHECK THE FOLLOWING:

1. Does your machine have at least 6" of clear air space behind it?
2. If the power is turned off at the fuse box, is the machine the only thing that doesn't work?
3. Is the machine plugged directly into the wall outlet?

EXTENSION CORDS INVITE TROUBLE! - DO NOT USE THEM!

4. Is the evaporator coil free of dust and dirt?
5. Is the condenser coil free of dust and dirt?
6. Have all soft drinks been pre-cooled before being put in the machine?

7. Is the compressor free of dust? (A blanket of dust can prevent the compressor from cooling off between work-outs).

8. Has the circuit breaker at the fuse box been reset?

9. Is the cold control set between 2 and 3?

SETTING THE THERMOSTAT AT A HIGHER SETTING DOES NOT ACCELERATE COOLING OF PRODUCT

10. Are evaporator fans running?

EVAPORATOR FAN TEST

Fold a sheet of 8 1/2" x 11" paper in half from top to bottom so it is now 5 1/2" x 8 1/2". Place the paper in front of the evaporator coil and see if the evaporator fans will draw the paper to the coil. If it does, the answer to question 10 is yes.

11. Is the condenser fan running?

CONDENSER FAN TEST

Fold a sheet of 8 1/2" x 11" paper in half. Place the paper in front of the condenser coils and see if it draws the paper to it. If it does, the answer to question 11 is yes.

12. Is the shelf in front of the evaporator coil clear? (Free of cans, tools or other air restricting items).

PARTS ORDERING PROCEDURE

When ordering parts, include the following information:

1. Shipping address.
2. Address where the invoice should be sent.
3. The number of parts required.
4. Always refer to the pertinent parts and/or parts manual for the correct part number and description of the specific part.
 - a. If you do not have the right parts manual at the time you order, contact:

SELECTIVEND, INC.
P.O. Box 488
165 North 10th Street
Waukee, Iowa 50263-0488

They will provide a copy for you.

Do not hold the order pending receipt of the parts manual; use the most accurate description you can (and the model number and serial number of the machine); include the name of the assembly in which the part is used, and if practical, a sample part. Furnish any information which will enable our Parts Department to pinpoint the exact part needed.

When ordering parts, include the following:

- b. When "RIGHT" and "LEFT" are used in connection with the name of a part, it is taken to mean that the person is facing the machine with the door closed.

5. Always include the model number and serial number of the machines for which the parts are needed on your order.

6. List any special shipping instructions.

- a. Always note on the order if you require air or air special, truck, parcel post, or rail. If a specific carrier is desired, note it on the order.

7. Sign the order and note the date entered on the order.

8. When a purchase order number is used, be sure that it is legible and visible.

MAIL YOUR ORDER TO:

SELECTIVEND, INC.
P.O. Box 488
165 North 10th Street
Waukee, Iowa 50263-0488

All orders are carefully packed and inspected prior to shipment. Damage incurred during shipment should be reported at once and a claim filed with the terminating carrier.

