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Record the Model Number and Serial Number of your machine below. Use them to obtain quick service and parts information for your machine. The numbers are available on the identification plate located on the back side of the cabinet of the vendor.

**MODEL NUMBER:**

**SERIAL NUMBER:**
INTRODUCTION

This manual should be read thoroughly to familiarize you with the functions and features of all components. The initial set-up of a vending 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 set-up time can be minimized.

This service manual contains installation and service information on the **Model 3100-U Universal Satellite Device (USD) Mini-Snack Vendor**. This is a 12-select snack and candy vendor that operates on the “first-in, first-out” vending principle for all selections.

This vendor has a USD controller and must be used with a host vendor that is equipped with a MDB (Multi-Drop Buss) controller. The Mini-Snack utilizes the electronics of the host vendor for credit accumulation and refund of change when required.

The Mini-Snack consists of six trays with two selections per tray. It is a air-conditioned and designed to vend a variety of snack and candy products. The twelve selections can be individually priced. The maximum vend price is 255 times the smallest denomination of coin accepted.

Each machine has a model and a serial number given on the Serial Number Plate attached to the inside or back of the vendor. Record these numbers for your records in the space provided on the Table of Contents. All inquires and correspondence pertaining to this vendor should reference the model and serial numbers.

Should you have any questions pertaining to the information in the manual, replacement parts or the operation of the vendor you should contact your local distributor or service entity.

---

FOR U.S. UNITS:

**VendNet™**

165 North 10th Street

Waukee, Iowa 50263-0488

PHONE: 1-515-274-3641

1-800-833-4411

PARTS FAX: 1-515-987-4447

SALES FAX: 1-515-274-0390

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SPECIFICATIONS

**General**

Height: 72 inches 183 cm

Width: 21 inches 53 cm

Depth: 36 inches 183 cm

Weight: 520 pounds 235.9 kg

**Electrical**

Power: 230 VAC, 50 cycle or 120 VAC, 60 cycle

Starting Amps: 3.5 amps

Running Amps: 1.7 amps

**Capacity**

12 Selections: 162 Total

**Pricing**

Prices: Based on host vendor

**Refrigeration**

Unit Size: 1/4 HP Hermetically Sealed

Refrigerant: R-134a

Charge: 5 Oz.
UNPACKING

This machine was thoroughly inspected before leaving the factory and the delivering carrier has accepted it 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 vendor.

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 are on the Serial Number Plate on the back 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 2x4 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 as shown in Figure 1.

INSTALLATION

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.

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

**CAUTION:**

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.

Level the vendor, making sure all levelers are touching the floor. The vendor must be level for proper operation. If it is properly leveled, it should not “rock” or “teeter” on any of the levelers. When the vendor is level, the door can be opened to any position and not move by itself. Try the door half-closed, straight out and in a wide-open position before deciding that the machine is level.

Remove all shipping brackets, tape and inner packing material from the vendor. Operating the vendor without removing the tape and packing material could result in damage to the vendor.

**Grounding (Earthing) & Electrical**

Before connecting the equipment, the integrity of the main electrical supply must be checked for correct polarity, presence of ground (earth) and correct voltage. Repeat these checks every six month with the routine safety electrical testing of the equipment itself.

To correct negative voltage, amperage, polarity, or ground (earth) checks, consult a licensed electrician.

A noise suppresser has been installed in this machine to compensate for any mains signal noise that could interfere with the normal operation of the controller.

Each vendor is equipped with a Door Interlock Switch. The door operates the switch. When the
door is closed, power is enabled to the vendor. When the door is opened, power is disabled.

To operate the machine with the door open, use the plastic, ‘I’ shaped key to depress the switch plunger. Lock it into place by turning the key 90°.

**WARNING:**
Do not use extension cords.

### 230 Volt Vendors

Power source must be 230 VAC (±10%) 50 cycle.

- **Voltage Check:** With a Multi-Meter set to check AC line voltage, insert one connector to the hot (live) terminal and the other connector to the neutral terminal. The Multi-Meter should indicate 216 - 264 VAC.
- **Polarity and Ground (Earth) Check:** With a Multi-Meter set to check AC line voltage, insert one connector to the hot (live) terminal and the other connector to the ground (earth) terminal. The Multi-Meter should indicate 216-264 VAC.
- **Amperage Check:** At the fuse box or circuit breaker panel, locate the proper circuit, and ensure that the fuse or breaker protecting that circuit is rated at 13 amps or greater.

### 120 Volt Vendors

Power source must be 120 VAC (±10%) 60 cycle.

- **Voltage Check:** With a Multi-Meter set to check AC line voltage, insert one connector to the hot (live) terminal and the other connector to the neutral terminal. The Multi-Meter should indicate 108-132 volts AC.
- **Polarity and Ground (Earth) Check:** With a Multi-Meter set to check AC line voltage, insert one connector to the hot (live) terminal and the other connector to the ground (earth) terminal. The Multi-Meter should indicate 108 – 132 volts AC.
- **Amperage Check:** At the fuse box or circuit breaker panel, locate the proper circuit, and ensure that the fuse or breaker protecting that circuit is rated at 20 amps or greater.

**NOTE:**
The hot (live) terminal should always be counter-clockwise from the ground terminal. The neutral terminal is clockwise from the ground (earth) terminal. See Figure 3.
**Connecting to the Host**

1. Unplug the host machine from its power source.
2. Remove the plug on the back of the host cabinet.
3. Insert the umbilical harness from the Mini-Snack through the hole in the back of the host. Secure with the flat bracket. See Figure 4.
4. Inside the host, loosen the screws holding the control board. Slide the control board off, without removing any wiring.
5. Pull the umbilical harness to the front of the host, and push it up behind the right panel until it reaches the opening for the control board. Connect the umbilical harness to the MDB adapter harness.

![Figure 4](image_url)

6. Connect the MDB adapter harness to host control board. See Figure 5 for the host Snack Mart Control Board.
7. Attach the green ground (earth) wire on the MDB harness to the satellite’s exposed screw above the control board, first placing a lock washer against the panel. Reinstall the control board.
8. Plug the host and the Mini-Snack into their electrical power source.
9. Test the motors for proper operation.

![Figure 5](image_url)

10. Anchor the Mini-Snack to the host vendor. Remove the upper bracket on the host, saving the three screws. Hook the Tie Plate furnished with the Mini-Snack over the lip of the Mini-Snack. Use the saved screws to attach it to the host vendor. See Figure 6.

![Figure 6](image_url)
LOADING INSTRUCTIONS

To load products, lift the tray slightly and pull forward until the tray stops. The upper-most trays tilt for easier loading.

Load products from front to back, making sure all items fit freely between the augers (also called helixes). Do not attempt to force over-size items or packages into the spaces. Do not skip a space. The bottom of the item or package should be placed on the bottom of the compartment above the product auger, with the label facing the front of the machine for easy identification by the customer. See Figure 7.

When finished loading each tray, make sure the tray is returned to its proper position. All trays must be pushed to the rear of the cabinet and properly seated in the “detent” position.

Table 1: Auger Selection

<table>
<thead>
<tr>
<th>Product Thickness (in.)</th>
<th>Product Quantity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-3/16</td>
<td>15</td>
<td>4200272-000</td>
</tr>
<tr>
<td>31/32</td>
<td>18</td>
<td>4200272-001</td>
</tr>
<tr>
<td>1/16</td>
<td>24</td>
<td>4200272-002</td>
</tr>
<tr>
<td>1/2</td>
<td>30</td>
<td>4200272-003</td>
</tr>
<tr>
<td>1-1/2</td>
<td>12</td>
<td>4200272-004</td>
</tr>
<tr>
<td>2-1/16</td>
<td>9</td>
<td>4200272-005</td>
</tr>
<tr>
<td>3-1/8</td>
<td>6</td>
<td>4200272-006</td>
</tr>
<tr>
<td>1-27/32</td>
<td>10</td>
<td>4200272-031</td>
</tr>
<tr>
<td>1-11/16</td>
<td>11</td>
<td>4200272-032</td>
</tr>
</tbody>
</table>

Auger Timing

Each auger can be rotated in 20-degree increments, changing the auger position for a different “drop-off” point at the front of the tray.

Research and testing have determined that the majority of products tested vend successfully with the leading edge of the auger set at the 6:00 o’clock position.

Should you experience difficulty in vending odd-sized or -shaped items, auger retiming can be accomplished on a trial and error basis as follows:

1. Pull the tray containing the auger to be retimed forward to its stop.
2. Remove the product from the compartment.
3. Remove the motor cover.
4. Lift the motor slightly (approximately 3/4”) to disengage the auger hub from the retaining rib in the bottom of the tray. See Figure 8.
5. Separate the hub from the motor slightly by pulling forward on the hub to disengage its spline from the motor’s internal gear. See Figure 8.
6. Rotate the hub in either direction and re-install by pushing the spline into the internal gear motor.
7. Push down on the motor to seat the hub onto its retaining rib in the bottom of the tray.
8. Replace the motor cover, load product and push tray into its vend position, back and locked onto its detent.
9. Test vend for proper operation.

Tray Configuration

Trays are configured at the factory, however the configuration can be changed on location as needed. If the product being vended does not fit the auger properly, use the correctly sized auger.

Figure 7
NOTE:
If fine-tuning is required for auger timing, advance or retard the product pusher on the front of the auger. See Figure 8.

INSTALLATION CHECKLIST
1. All shipping brackets, packing material and tape have been removed.
2. Vendor has been properly leveled from left to right and front to back.
3. Vendor is positioned no more than six feet from the power outlet.
4. There is at least four 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 dedicated circuit properly polarized and grounded (earthed).
6. Machine has been properly loaded.
7. The correct vend price has been programmed into the controller.
8. Each price scroll agrees with the vend price.
9. The vendor door is closed tightly and locked.

CONTROLLER FUNCTIONS

Sales Mode
The Sales Mode is the normal operating mode of the vendor. As money is deposited, the amount of credit displays at both the Mini-Snack and the host.

Vend prices can be verified while in the Sales Mode. Press the selection letter and number at the Snack Vendor. The vend price is displayed momentarily in the digital readout.

Typical Sales Vend Cycle
As money is deposited, the amount of credit displays at both the Mini-Snack and the host. When a selection is made from the Mini-Snack, the credit is compared with the vend price. If sufficient credit is available the vend cycle will start.

At the start of the cycle the controller applies a 24 VDC to the vend motor. The Motor Switch on the motor is actuated, signaling the controller that the motor has successfully started. As the motor rotates, the auger will rotate until the product is dispensed and the motor returns to the detent position.

At the end of the vend cycle the motor switch is de-actuated, indicating to the controller that the motor has rotated 360°. At this time the controller will remove power from the motor.

At the end of the vend cycle, the Mini-Snack will return a Vend Complete or Failed command to the host. The host will return any change or credit due to the buying customer.

Service Mode
To change any settings or programs in the vendor, the controller must be placed in the Service Mode.

Table 2: Service Mode Options

<table>
<thead>
<tr>
<th>Press</th>
<th>Option</th>
<th>Displays</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;A&gt;</td>
<td>Set Price</td>
<td>Pric</td>
</tr>
<tr>
<td>&lt;B&gt;</td>
<td>Test Motor</td>
<td>tEST</td>
</tr>
<tr>
<td>&lt;C&gt;</td>
<td>Change USD Address</td>
<td>Addr</td>
</tr>
<tr>
<td>&lt;D&gt;</td>
<td>Refrigeration Controls</td>
<td>Frig</td>
</tr>
</tbody>
</table>

To enter the Service Mode, open the door of the Mini-Snack. Press the Service Mode Button. SErV displays.
To exit the Service Mode, press the Service Mode Button. The vendor will also exit the Service Mode if there is no key pressed for approximately one (1) minute.

If you are in the process of changing data when you exit the Service Mode (either by pressing the Service Mode Button or by allowing the system to time-out) any unfinished changes are ignored, leaving the data in its previous state.

**Set Price Option**

Enter the Service Mode. SERV displays.

Press <A>. Pric displays.

**Set Price - Single Selection**

1. Press the selection letter and number of the selection you want to price. That selection’s current price displays.
2. Press the desired price. Press all four digits of the price.

**Example:**

To set the price to .75, press the digits 0075. The price is updated in the display.

3. Press <L> to accept the displayed price. Pric displays.
4. To set additional prices, repeat steps 1 through 3.
5. To exit the Set Price option, press <L> again. SERV displays.

**Set Price - Full Column**

To price all the selections in a column in the Mini-Snack to the same price:

1. Press only the selection letter of the column you want to price.
2. Press <L>. The price of the first selection in that column displays.
3. Press the desired price. Press all four digits of the price.
4. Press <L> to accept the displayed price. Pric displays.
5. To exit the Set Price option, press <L> again. SERV displays.

**Set Price - All Selections**

To set all the selections in the Mini-Snack to one price:

1. Set the first selection in the Mini-Snack to the desired price.
2. Press the selection letter, then press <L>. The price of the first selection in the Mini-Snack displays.
3. Press the desired price from the numbers on the keypad. Press all four digits of the price. The new price displays.

**Example:**

Press the selection letter <G> and then <L>. Then press the four digits of the price.

4. Press <L> to accept the displayed price. Pric displays.
5. To exit the Set Price option, press <L> again. SERV displays.

**Test Motor Option**

To test one or more motors in the Mini-Snack:

Enter the Service Mode. SERV displays.

Press <B>. tEst displays.

**Test Motor - Single Selection**

Press the selection letter and number of the selection to be tested. The motor for that selection will run one time.

**Test Motor - Full Column**

After entering the Test Motor Option, press the selection letter of the column you want to test in the Mini-Snack. Then press <L> to start the test vend sequence. Each motor in that selection column will test vend one time starting with the first selection.

**Example:**

Press the selection letter “C” and then <L>. The selection motor for C1 will run, and then the selection motor for C2 will run, and so on through C0.

**Test Motor - All Selections**

After entering the Test Motor Option, press <K>. The word All displays. Press <L> to start the test vend sequence. Each motor will test vend one time starting with the first selection.
Example:
Press the selection letter <G> and then <L>. The selection motor for G1 will run, and then selection motor for G2 will run, and so on through G0.

Change USD Address Option
The host vendor supports two identification addresses. One satellite vendor is addressed as USD 1, and the other is addressed as USD 2.

Example:
In a configuration with a Mini-Snack and a Mini-Can, the Mini-Snack is addressed as 1, and the Mini-Can is addressed as 2

1. To change the USD address of the Mini-Snack Vendor, enter the Service Mode. SErV displays.
3. Press <C> to view the current address.
4. To toggle between the available addresses press <C> again.
5. To accept the displayed address, press <L>.
   To exit without saving any changes, press the Service Mode Button.

Refrigeration Controls Option
This setting controls the cut-in and cut-out points of the refrigeration system. The default setting is 65°F/18°C for the Mini-Snack.

1. To change the refrigeration control setting, first enter the Service Mode. SErV displays.
2. Press <D>. Frig displays. After a short delay Sx displays, where x indicates the current refrigeration point setting.
3. To return the refrigeration point to its default settings, press <0>. S0 is displayed.
   To raise the refrigeration point, press <1>. The cabinet temperature will increase by approximately 2°F/1°C.
   To lower the refrigeration point, press <2>. The cabinet temperature will decrease by approximately 2°F/1°C.

To save the setting, press <L> or exit from the Service Mode by depressing the Service Mode Button. All changes are saved.

REFRIGERATION CONTROL
If the refrigeration unit is turned off or the power is interrupted, the refrigeration unit will not start for at least three (3) minutes regardless of the temperature.

The refrigeration control setting controls the cut-in and cut-out temperatures. When the temperature is above the programmed cut-in temperature, the unit will be turned on. When the refrigeration unit reaches the cut-out temperature it will be turned off.

To change the refrigeration control setting, see the “Refrigeration Controls Option” section of this manual.

Refrigeration Troubleshooting
Know and understand how to service the unit and how it operates. Units may vary, but the operation is basically the same. Never guess at the problem; find the symptom before attempting any repair.

NOTE:
Most refrigeration problems are electrical.

The sealed hermetic system was not meant to be worked on outside the Factory Service Center. The three things that can go wrong with a sealed system and should be repaired at the Factory Service Center are:

1. Low Charge - usually caused by leaks; look for oil around seals and welds. Unit will not cool properly. The capillary tube will be frosted before it enters the evaporator inlet tube.
2. Restriction in Systems (unit frosts, then melts) - not cooling properly.
3. Bad valves - unit does not cool properly; noisy compressor.
**Compressor will not start**  
Compressor has no power:  
1. Machine not plugged in.  
2. Tripped breaker or blown fuse.  
3. Faulty wall outlet.  
4. Short or tear in power cord.  
5. Thermistor circuit is open. Check with the Multi-Meter.  
6. Improper wiring.  
7. Low voltage: 5 % below. Check the power source with the Multi-Meter.  
8. Overload defective: Trips too fast. Check overload with the Multi-Meter.  
9. Start relay defective: Check start relay with the Multi-Meter.  
10. Compressor has open windings. Check compressor windings with a Multi-Meter.  
11. Defective refrigeration relay.  
   Unplug power to the machine; remove the relay plate. Use an insulated jumper wire to short the wires on relay terminals 2 and 4 or 6 and 8; then restore power to the machine. The compressor should start, indicating a problem in the control circuit.  
   Check relay terminals 1 to 0 with a Multi-Meter. Should have 24VDC applied to them.  
   No DC voltage: Check control board output terminal for a loose connection.  

**Compressor trips on Overload**  
1. Improper voltage: 5-10% above, 5% below. Check power source with Multi-Meter.  
3. Relay defective: Won’t open after starting. Check relay with Multi-Meter.  
4. Compressor has shorted windings: Check compressor windings with Multi-Meter.  
5. Short in other component: Isolate and eliminate each electrical component until short is found.  
6. Compressor is too hot.  
   - Dirty condenser.  
   - Faulty condenser motor or blade.  
   - Restricted air flow.

**CAUTION:**  
Condenser must be kept clean of dirt and debris to allow for proper air circulation.

**Noisy or vibrating unit**  
1. Components rubbing or touching each other.  
   - Check fan blades and motor.  
   - Loose shrouds and harness.  
   - Copper tubing.  
   - Loose or unsecured parts.  
2. Worn or aged grommets.  
3. Compressor  
   - Bad valves  
   - Slugging  
   - Bad windings (See Schematic 1.)  
   - Low voltage  

**Unit short cycles**  
1. Thermistor defective or not mounted in the return air duct.  
2. Defective control board.  
3. Temperature setting set too warm. See “Refrigeration Controls Option” section of this manual.

**Unit operates long or continuously**  
1. Thermistor defective or not mounted in the return air duct.  
2. Refrigeration relay shorted.  
3. Air flow restricted  
   - Faulty evaporator motor or blades causing coils to ice over.  
   - Loose connections on evaporator motor. (One motor not running.)  
   - Air flow blocked by product in front of evaporator or air duct openings  
4. Gasket leak around door.  
5. Excessive load: After loading, unit will run longer to pull out excessive heat from product.  
6. Shortage of refrigerant or restriction.  
7. Bad controller.  

**Refrigerated space too cold**  
1. Thermistor defective. Check with Multi-Meter.
2. Refrigeration control setting too cold. See “Refrigeration Controls Option” section of this manual.


4. Faulty control board.

**Refrigerated space too warm**

1. Thermistor defective. Check with Multi-Meter.

2. Refrigeration control setting too warm. See “Refrigeration Controls Option” section of this manual.

3. Refrigeration relay bad

4. Faulty control board

5. Restricted evaporator space
   - Evaporator motor or blades faulty, causing the coils to ice over the evaporator
   - Condenser air flow restricted
     - Plugged or dirty condenser
     - Condenser motor or blades bad
     - Blade stuck
   - Condensing space restricted
     - Unit placed too close to a wall.
   - Compressor - bad valves
     - Cap tube will start frosting 8 to 10 inches past evaporator connection tube.
     - Check for oil around brazed connections.

**Troubleshooting circuits with Multi-Meter**

See Schematic 1 for the wiring diagram.

<table>
<thead>
<tr>
<th>Measure Between</th>
<th>Ohms</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMON to START</td>
<td>12</td>
</tr>
<tr>
<td>COMMON to RUN</td>
<td>2</td>
</tr>
<tr>
<td>RUN to START</td>
<td>14</td>
</tr>
<tr>
<td>COMMON to SHELL</td>
<td>No Continuity</td>
</tr>
</tbody>
</table>

**WARNING:**

Wiring diagrams must be followed as shown. Any miswiring can cause serious electrical hazard and potential damage or rupture component electrical parts.

- Check the power source.
- Use the voltage section of the Multi-Meter. Should measure within 5-10% above, 5% below.
- Check overload.

**NOTE:**

Power must be off and fan circuit open.

Using the resistance section of the Multi-Meter, check terminals 1 and 3 for continuity. If no continuity is measured (infinity), overload may be tripped. Wait 10 minutes and try again. If still no continuity, overload is defective.

- Check relay (See Schematic 1) Unscrew lead terminals and remove relay from compressor. (NOTE: keep relay upright).
- Check terminals 1 and S, or L and S with the Multi-Meter. Replace relay if continuity exists.
- Check thermistor with the Multi-Meter.
- Check compressor windings as shown in Schematic 1.

Check winding resistance with the Multi-Meter. If readings are not within 2 Ohms, the compressor is faulty.

**Table 3. Winding Resistance**

Approximate resistance reading across terminals - use RXI scale:
REFRIGERATION UNIT REMOVAL

The refrigeration unit is a hermetically sealed completely self-contained modular 1/4 H.P. unit charged with 5.0 ounces of ozone-friendly R-134-a refrigerant. The complete refrigeration unit can be removed if there is a service problem.

**CAUTION:**

Do not place any object in the evaporator assembly area or inside the cabinet area that will block the air flow. This may damage the refrigeration system, which may void the refrigeration warranty.

1. Unplug the power cord.
2. Remove the two screws holding the suction line cover.
3. Remove only the ten screws holding the refrigeration unit to the cabinet: See Figure 9.
4. From the front, disconnect the green ground (earth) wire from the power switch plate.
5. From the front, unscrew the “P” clamp that holds the main motor harness and the power harness to the power switch plate.
6. From the back, pull the unit out a few inches. Remove the Mastic from where the main motor cord enters the cabinet. Slide the cord out of the two slots (one on the outside of the panel and the other on the inside of the panel).
7. Use the handle on the unit and pull straight back to remove.

To re-install the refrigeration unit, reverse the above procedures.

**CARE & CLEANING**

**WARNING:**

Always disconnect the power before cleaning.

**Cabinet Exterior**

Wash with a mild detergent and water, rinse and dry thoroughly. Wipe occasionally with a quality car wax. Plastic exterior parts may be cleaned with a quality plastic cleaner.

**Cabinet Interior**

Wash with mild detergent and water. To eliminate odors, include baking soda or ammonia in the cleaning solution.

The vend mechanisms must be kept clean. Use soap and water with great care so as not to get water into the electrical components.

To insure proper vending keep delivery slide area free of dirt and sticky substances.

**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.
BEFORE CALLING FOR SERVICE

Please check the following:

• Does your machine have at least 4” of clear air space behind it?
• If the power is turned on at the fuse box, is the machine the only thing that doesn’t work?
• Is the machine plugged directly into the outlet?

**WARNING:**

Extension cords cause problems.
DO NOT USE EXTENSION CORDS.

• Is the evaporator coil free of dust and dirt?
• Is the condenser coil free of dust and dirt?
• Is the compressor free of dust? (A blanket of dust can prevent the compressor from cooling off between workouts).
• Is the circuit breaker at the fuse box reset?

• Are evaporator fans running? Fold a sheet of 8 1/2” x 11” paper in half from top to bottom so it is now 8 1/2” x 5 1/2”. Place the paper in front of the evaporator coil and see if the evaporator fans will blow the paper away.
• Is the condenser fan running? 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.
• Is the shelf in front of the evaporator coil clear? (No tools or other air-restricting items).
• Is the cold control set between 0 and 2?

**NOTE:**

Setting the cold control lower does not accelerate cooling of product.

For additional information phone: 1-800-833-4411 (USA) or E-Mail: VendNet@Ecity.net

Include model number and serial number