CAUTION: Read the instructions before using the machine.
Thank You for your Purchase of an IVS Vacuum!

These heavy-duty vacuum systems were engineered and manufactured to tackle the toughest vacuuming jobs.

Original Instructions follow for the Fresh'N Up Model 500003 along with detailed safety, warranty and installation information.
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IMPORTANT SAFETY INSTRUCTIONS
When using an electrical machine, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS
BEFORE USING THIS MACHINE

This machine is not intended for household use. It is intended for commercial use.
This machine is not intended for wet pick up use.

WARNING – To reduce the risk of fire, electric shock, or injury:

1. This machine must be connected to a permanent electrical power supply in full compliance with all applicable codes and ordinances by qualified personnel only. Read Grounding Instructions.
2. Do not use on wet surfaces.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer’s recommended attachments
5. Do not operate or handle machine with wet hands.
6. Do not put any object into any openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
7. Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.
8. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
9. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
10. Do not pick up hazardous dust or particulate.
11. Do not use without dust bags or filters in place.

GROUNDING INSTRUCTIONS

This machine must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the machine.

DANGER

This machine incorporates parts such as switches, motors, or the like that tend to produce arcs or sparks that can cause an explosion. When located in gasoline-dispensing and service stations, install and use at least 20 ft (6 M) horizontally from the exterior enclosure of any dispensing pump and at least 18 in (450 mm) above a driveway or ground level.

European Installations: Installation of this machine must incorporate and provide full disconnection of all poles in the event an overvoltage category III condition. Such incorporation to the fixed wiring must be in accordance with the wiring rules.

SAVE THESE INSTRUCTIONS
Industrial Vacuum Systems (Company) provides a limited one year warranty on components and piece of equipment produced by the Company to be free from defects in material and workmanship. Electrical assemblies see Appendix A, have a limited two year warranty on the controller to be free from defects in material and workmanship. This limited warranty does not cover equipment that has been damaged due to misuse, misapplication, modification, altered, neglected, attempted theft, vandalism, connection to improper voltage supply, modification, or such parts that are commonly recognized to be subject to wear in normal usage. Normal use products are, but not limited to, those listed on Appendix B; which are warranted for 90 days. Every component and piece of equipment is packaged to assist in safe handling of the product.

Claims must be submitted in writing within the appropriate coverage period as covered by this warranty, from date of shipment, to the Company’s warranty/repair department. If the return is approved an RMA and labeling instructions will be issued and the product can be returned. Returned product without the appropriate RMA and label will be issued to scrap and all warranties/replacements will be considered null and void. If the product receiving the RMA is not returned within 20 days from date of issuing the RMA then any credit toward the product will be reduced by 25%. If the product is not returned within 30 days of issuing the RMA then any credit will be reduced by 50%. A testing fee of $20.00 will be applied, if the product passes all tests related to the written claim, then the fee will be applied and paid prior to return of the product. If the product fails the test then the fee will not be applied. The Company may charge a 20% restocking fee for returned product and/or an order, which is canceled and/or material has already been ordered and/or received to fill such order.

The Company’s warranty/repair department will inspect all components, submitted under warranty. Warranty replacement will be based solely on the analysis and confirmation that the product defect was caused by material and/or workmanship. The company reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured or to replace warranted product other than with redesigned product. In some cases it is easier for the customer to send a Company purchased product direct to the manufacturer for replacement. In those cases the customer will be notified that their product falls under that process and should work with that manufacturer directly. Appendix C shows the purchased parts that falls under this case.

This warranty covers the product replacement only; charges for damages, freight and/or labor will not be accepted. There are no warranties expressed or implied which extend beyond this Limited Warranty. The loss of use of the product, loss of time, inconvenience, commercial loss, incidental or consequential damages is not covered. The Company shall not be liable for incidental, special, or consequential damages including without limitation damages resulting from personal, bodily injury or death or damages to or loss of use of property.

APPENDIX A
2-Year Warranty Controllers
Sensortron, Multitron, Touchtron, Timers, Liberator

APPENDIX B
90-Day Warranty Components
Pressure Hoses, Swivels, Nozzles, Safety Shut-off Guns, Seals, O-Rings, Shop Vac

APPENDIX C
Purchased Products that are Handled Direct with the Manufacturer
Shop Vac, IDX Big Timer, Bill Acceptors, Compressors, Pump Motors
Site Planning:

Select and prepare a solid, level site for a concrete or similar base. Consult local codes for foundation requirements. Note: Although we recommend 24” base height above grade, 20” base height above surrounding surface provides minimum protection from typical bumper damage and 30” base height should be considered maximum, considering coin acceptor position.
Island Installation and Electrical Connection

CAUTION ELECTRICAL SHOCK HAZARD. DISCONNECT POWER PRIOR TO BEGINNING ANY SERVICE OR INSTALLATION WORK. GET ASSISTANCE IF YOU ARE UNSURE OF THESE PROCEDURES.

Connect to electrical service. Refer to the data label on the outside of the vacuum for electrical rating. Customer is responsible for compliance with all applicable codes and ordinances. The Vacuum should be connected to a dedicated service. Check local codes and requirements. Refer to the IMPORTANT SAFETY INSTRUCTIONS on page 1.

*Connect to a properly dedicated power source. Installation should be performed by a qualified electrician. Unit installation must comply with local and national codes.

1 The electrical power should be stubbed in under the 18" vacuum tank cylinder (See Image to the right).
2 Maintain approximately 2" of clearance from the edge of the vacuum cylinder. There is 4 inches of vertical clearance from the mounting surface to the underside of the vacuum.
3 Route the power cable through the large hole to the right in the vacuum tank wall, through the front cabinet to the electrical power connection.
4 A make-up box is not provided, when wiring power source into vacuum. Please keep the connection in the lower door, the far right corner is recommended.
Using “J” Bolts:

J-Bolts (new construction only). Carefully locate 4 “J” bolts while forming concrete or masonry base. The plywood shipping base can be used as a locating fixture for the “J” bolts while the concrete is formed. See illustration to the left.

Masonry Anchors:

Anchors are used for existing construction only. Drill and install suitable masonry anchors to accommodate a 3/8 inch lag screw. Check anchor supplier information for proper drill size.

**HINT**: Use the plywood base as a template for drilling the anchoring pilot holes. See illustration to the right.
Removing and Loading Product

**Prep:**

To remove the product containers:

Unscrew the container brace from the far right container (red container). Then remove the gray and yellow containers which are still attached to the container brace.

To re-install the containers into cabinet of the Fresh’N’Up unit, first place red container into the far right corner of the bottom cabinet. Then place remaining two containers that are still attached into the bottom cabinet. Then re-attach the container brace to the red container.

Insert the product hoses into their respective containers. Hoses are to be placed in the rear openings of containers (the openings with no funnel around them). Make sure the hose and filter are secured at the bottom of each container. The hoses are color coordinated to a specific container. From Left to right, the containers are oriented Yellow, Gray, Red. The red plugs provided will provide enough tension to keep hoses in place without cutting off suction.

**Load:**

To Replace Used Product:

Tilt the product containers forward. (The product containers are designed to support themselves at this angle. Then simply pour the correct fragrance in the corresponding container and replace plugs in containers.

**Prime:**

Once the product is loaded properly, feed the fluid through the hoses by pressing the Button B1 so it is in the down position (see chassis diagram for location). Then select the service you want to prime by press the corresponding selection button on the middle door. Then press the brush switch until the brush starts to foam. Then press the switch B1 back to the up position.
This machine employs a dual-mode timer, which features a built-in L.E.D. Digital display assembly.

The dual mode of the timer is like two (2) timers running simultaneously. They communicate with each other to inform the user of the monetary credit remaining. This allows the user to switch between the two (2) timers resulting in a recompiling of time remaining based on the correct service selected. An additional feature includes the grace time feature, giving the customer 17 - 20 seconds to insert more coins for additional time.

Each mode of the dual mode timer is programmable for COINS TO START and CYCLE TIME. They are pre-programmed from the factory as follows, unless specified by customers:

- **Timer A:** $1.00 (4 coins) to start for four (4) minutes Vacuum mode.
- **Timer B:** $2.00 (8 coins) to start for four (4) minutes of Turbo Vac mode.

The display feature of these timers is of the scrolling message type and includes three (3) different programmable messages which are pre-programmed at the factory as follows:

- **Welcome Message:** <NEED YOUR TIMER MESSAGES>
- **Sales Message:** <NEED YOUR TIMER MESSAGES>
- **Exit Message:** <NEED YOUR TIMER MESSAGES>

To change the factory program from what is listed above, it is necessary to obtain a programmer. Contact your distributor or call Industrial Vacuum Systems at 800.446.7267. Instructions for programming are detailed on the next page.
1. While message is scrolling (power on), plug in the RC 800 controller (see illustration at right) and press Edit Key to enter into the programming mode. The plug is located on the lower side of the display timer to the right of the timer housing. See illustration at the right.

2. The timer will display “Total Coins”. This is the amount of coin pulses the timer has received since the last time that the “Total Coins” was zeroed. To zero, press Delete Key. To save, press Save Key. The Unit will now display “Saved!”.

3. After the timer has saved “Total Coins”, the display will now go to “Coins to Start”. This controls the vend price for the vacuum function. Use the ↑ or ↓ key to change the amount of “Coins to Start”. Press the Save Key to save your input. The display will confirm this by displaying “Saved”.

4. The timer now displays “Coins to Start B”. Follow the same procedure as Step 3 to set the fragrance operation of the unit.

5. The timer now displays “Cycle Time”. To change this time by 10-second intervals, press the ← Key. Then press the ↑ or ↓ key to change the time. To change the time by one-second intervals, press the ◀ key. Then press the ↑ or ↓ key to change the time. To save the “Cycle Time”, press the Save Key. The timer will confirm this by displaying “Saved!”.

6. The timer now displays “Cycle Time B”. Follow the same procedure as Step 5 to set the fragrance operation of the unit.

7. The timer now displays “Enable bonus time?” Set at “NO” (it auto saves). Bonus time allows a short time period for the customer to still invest currency after the vacuum shuts off.

8. The timer will now prompt for, “Last Coin Beep?”. Change reply from “10 seconds” to “1 minute” or vice versa by pressing the N key. To save the desired “Last Coin Beep?”, press the Save Key.

9. The “Welcome Message” will now appear with the first character located in center of board. If the first character is a blank, use your ↑ or ↓ Key.

10. You have 36 places to put characters. A blank space counts as a character. To change characters, press the ↑ or ↓ Key. To move the message left one space, press the ◀ Key. To move the message right one space, press the ▶ Key. To insert a character, press the Insert Key. To delete a character, press the Delete Key. To save message, press Save Key.

11. The “Sales Message” appears next. It also has 36-character capability. Follow the same procedure as Step 8 to program message. The first character in the Sales Message will connect to the end of the Welcome Message.

12. The “Exit Message” appears next. It also has 36-character capability. Follow the same procedure as Step 8 to program message.

**NOTE:** The Welcome and Sales messages scroll on the timer all the time. The Exit Message scrolls three times after the timer has timed out.

Disconnect the RC-800. Programming is now complete.
When you receive the bill acceptor all switches are off. As a result the following options are programmed:

1. Accepts $1 dollar bills only
2. Four way accept
3. High Security accept
4. Long pulse
5. Four pulses per dollar

IMPORTANT: Do not change the settings for items 4, or 5. This will cause the Fresh’N Up to Malfunction.

Do not program using the switches. All switches must remain in the off position. Acceptors come preprogrammed in order to work properly with the other electrical components of the machine. Use only the coupon to program the acceptor and only change sections 1 and 2.

IMPORTANT NOTE: Placing any switch ON will override the above options, and the Bill Acceptor will operate according to the switch settings labels.
Using the Coupon to Program

Carefully remove a coupon from the page of coupons provided. If possible make copies of the page first with a standard, carbon-based, non-color copier. Copies of the coupon are usable only if cut to match the exact size of the coupon. Copies of the coupon are located on the last page of this manual.

**Fill out the coupon- Use a #2 pencil.** All sections must be complete and fill only one block per line (Figure 2). Sections 3, 4, and 5 are pre-marked with an “X”, these are the areas you need to fill in.

**Complete Section 1- Enable desired bill direction.** Enable 1 or 2 direction face up, or 4 way acceptance (which allows acceptance in all directions).

**Complete Section 2- Enable desired bill denominations.** Fill in one block for each denomination. High Accept enables maximum bill acceptance. High security may be desired for locations where a higher level of discrimination is desired. OFF will reject bills of the selected denomination.

Locate the service button- On the back of the unit (refer to figure 3). Depress the button once to enter coupon setup mode. Depressing again will exit the mode. All switches must be off before programming with the coupon.

Insert coupon and verify settings were accepted.

**ACCEPTED:** Coupon returned immediately and LED flashes 10 times when coupon is pulled out.

**REJECTED:** Coupon returned after 10 seconds. LED flashes number of times corresponding to section improperly filled out. Example three flashes for improper section 3. If rejected, review instructions or try new coupon.
**Wire Color**  |  **Function**  
--- | ---  
Red/Green  |  Solid state relay common (see note below)  
Black  |  24 VAC hot (recommended supply voltage of 22-30 VAC)  
Yellow  |  24 VAC common (recommended supply voltage of 22-30 VAC)  
Red/Yellow  |  Solid state relay common (see note below)  

*Note:* Outputs for all coins are sent via the Red/Green and Red/Yellow wires.

*The Red/Yellow wire is a solid state output to be used with any auxiliary product (i.e. digital counter, coin vacuum system, etc.)*

---

**Programming Instructions**

**for Tokens or Non-Domestic Coins**

1. Power down the Multitron GS-44WE coin acceptor.
2. Switch "on" the six (6) dip switches located on the side coin acceptor.
3. Power up the coin acceptor.
4. Insert 2 of the coin to be programmed.
5. Turn off all dip switches (except the one that equals the value of your coin.) See Table A.
6. Insert 15 more of the coin to be programmed.
7. Turn "off" the switch left on in Step 5.
8. Power down for a minimum of 5 seconds then power up.
9. Repeat above steps to program additional coins.

*If a value other than the preset amount is needed, a handheld programmer is required. Part Number: 1102800*

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**Specifications:**

- Accepts 30+ different coins
- Accepts coin size 0.64 - 1.26" diameter (16 mm - 31.5 mm)
- No permanent sample coin required
- 24 VAC and 24 DC compatible
- Adjustable output pulse (with programmer)
- Program with or without external programmer
- Power loss will not affect memory
- Corrosion proof chassis
- 2" mounting footprint
- 2 year warranty

---

**Table A**

<table>
<thead>
<tr>
<th>Dip Switch</th>
<th>Pulses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>7</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
</tr>
</tbody>
</table>
To Install Sample Coin Or Token
1. Slide sensor coil to the right and replace plastic chip with coin or token
2. Release sensor coil, making sure sample coin or token is held firmly in place
3. Do not use a 1965 or 1974 quarter as a sample

Selectivity Adjustments
Sensortrons are Preset for Use With U.S. Quarters

The selectivity control is designed to enable field adjustments for closer coin scrutiny, thereby providing greater rejection of slugs.

1. Remove black rubber plug
2. Using small screwdriver, locate adjusting slot on potentiometer (pot.). (Slot is difficult to see in the jelly-like substance.)
3. Turn pot. clockwise as far as it will go
4. Turn pot. counterclockwise (a little at a time until it rejects all unwanted coins)
5. Replace rubber plug

Wiring

NOTE: YOU MUST HAVE AT LEAST 24 VOLTS AC ACROSS BLACK AND YELLOW WIRES.
Coin Learn Procedure for the IDX MA-800

Slide the front cover up and identify the three controls to be used in coin memory storage procedure.

- Black or red button located near bottom right corner.
- Rotary switch with sixteen positions (0 to 6 are memory positions) also located near bottom right corner.
- LED half way up on right side (green in RUN mode and red memory mode).

Turn the Rotary switch to one of the learn positions (1 to 6) and observe the LED turn red to indicate that the MA-800 is ready to store data.

Push black or red button once for each credit pulse you wish to have issued for this coin. Example, a $1 coin would be equaled to 4 pulses.

Slide the cover back on the unit to make sure outside light does not interfere with the sensors; light shield must click into place.

Deposit the coin through the acceptor between 6 to 10 times until the LED flashes red and green; this indicates the acceptor is storing.

Once LED starts to flash red and green, slide cover back up and turn rotary switch back to position 0. Be careful not to turn the switch too far or the acceptor will not accept coins.

Once the switch is back in the zero position slide the cover back to closed position and the programming is complete.

**THE COIN YOU DO NOT WANT TO ACCEPT MUST BE STORED IN POSITION ONE.** Turn rotary dial to position one and press black or red button 13 times, then drop coin that you don’t want to accept through 6 to ten times until LED flashes. Turn Dial back to 0 and close light shield.

Coin De-Learn Procedure

Slide the front cover up and turn rotary switch to the coin # position you wish to remove from memory
Push the black or red button once to initiate the memory storage sequence.
Turn the rotary switch back to position #0 without depositing any coins to signal the unit that you wish to erase.
The LED will flash red-green to indicate completion.
Slide the front cover back down.
• Keep the outward appearance of the unit looking good by using a glass cleaner to clean the front door and lexan faceplate in front of the visual display.
• Apply a stainless steel polish to the cabinet to maintain the appearance.
• Take care not to use abrasive cleaners or rags for these applications to avoid scratching the surfaces.
• *DO NOT USE STEEL WOOL OR OTHER FERROUS BRUSHES TO CLEAN STAINLESS STEEL SURFACES*
• Check motor Brushes for wear and replace as necessary
• If three (3) motor vacuum, order a special nozzle.
• Inspect gasket and replace with factory replacements.

Daily/Weekly Maintenance

• Remove dirt & debris from vacuum. HINT: consider ordering a debris catcher from your distributor to simplify this process.
• Empty & shake bags weekly
• Exchange bags and wash bi-monthly
• Check hand tools, as suction will be impaired if vacuum nozzle wears excessively
• Always make sure vacuum doors are closed.
• Check hose for signs of wear, replace if excessive.
• Test Vacuum suction and airflow
• Suction Test: Place hand over cuff feel for “pull”
• Air Test: Hold cupped hand near hose inlet feel for “breeze”
<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor Performance</td>
<td>Poor Suction</td>
<td>Test by placing hand over end - feel for “pull”. With hose end sealed, use</td>
</tr>
<tr>
<td></td>
<td></td>
<td>plastic bag or sheet to test for leaks at door opening. (Move sheet lightly</td>
</tr>
<tr>
<td></td>
<td></td>
<td>past suspected areas, plastic will “stick” at leaks.) MAKE SURE VACUUM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DOORS ARE SEALED.</td>
</tr>
<tr>
<td>Poor Airflow</td>
<td></td>
<td>Check for overfilled debris areas or hose clog. Clean filters. Check</td>
</tr>
<tr>
<td></td>
<td></td>
<td>motors to be sure that both are working.</td>
</tr>
<tr>
<td>Vending Problems</td>
<td>Coin jams</td>
<td>Check for “overfilled” coin box. Check for clearance of coin path to coin</td>
</tr>
<tr>
<td>Coins</td>
<td></td>
<td>box (remove obstructions). Check “cradle” area of coin mechanism for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>severely bent coins. Check magnet for Canadian (Magnetic) coins.</td>
</tr>
<tr>
<td>Dollar Bill Problems</td>
<td>Bill Jams</td>
<td>Remove bill stacker and reinstall for soft reset. Reset main power for</td>
</tr>
<tr>
<td></td>
<td></td>
<td>hard reset.</td>
</tr>
<tr>
<td></td>
<td>Doesn’t</td>
<td>Reprogram bill acceptor (see instruction manual)</td>
</tr>
<tr>
<td></td>
<td>accept any</td>
<td></td>
</tr>
<tr>
<td></td>
<td>bills</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Doesn’t</td>
<td>Check for bill jams in both acceptor and stacker.</td>
</tr>
<tr>
<td>Symptom</td>
<td>Problem</td>
<td>Correction</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Unit does not start</td>
<td>Test for line power to unit</td>
<td>Check diagnostic lamp on the control chassis. Make sure the 115 vac lamp is on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Test for 24v circuit power. Refer to diagnostic lights on the control chassis. Make sure the 24 vac lamp is on.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Text to timer operation Check for proper timer display activity.</td>
</tr>
<tr>
<td>Unit does not operate properly.</td>
<td>No vacuum cycle operation</td>
<td>Check for tripped circuit breakers, then check for lights on motor relays. Circuit breaker and relays are both found on the control chassis.</td>
</tr>
<tr>
<td>Display lights are not lit as well as chassis lights.</td>
<td>No power to unit.</td>
<td>Check the main breaker. Check the connections at power distribution point to vacuum.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Use a voltmeter to probe at the top connection screw of the 30amp fuse block and terminal screw #13 (both located on the control chassis)</td>
</tr>
<tr>
<td>115 vac light is off as well as dome lights.</td>
<td>Main fuse</td>
<td>Check for the indicator light on the main fuse. If the light is on then power is available, but the fuse is blown.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Test or replace fuse, if voltmeter across fuse reads 110v to 120v, fuse is bad.</td>
</tr>
<tr>
<td>Symptom</td>
<td>Problem</td>
<td>Correction</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>-------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Main power indicators lit but timer and mech will not work.</td>
<td>4 amp 24v. Fuse</td>
<td>Look for fuse blown light on the indicator, which is located on fuse cover. Test or replace fuse, use ABC-4. NOTE: this fuse controls the power to the coin mech and bill validator.</td>
</tr>
<tr>
<td></td>
<td>2 amp 24v. Fuse</td>
<td>Look for fuse blown light on fuse cover. Test or replace fuse, use ABC-2. NOTE: this fuse controls power to the display/timer and is needed to establish the purchased credit line.</td>
</tr>
<tr>
<td>LED timer counts down without vacuum cycle starting.</td>
<td>Vacuum motors won’t start or run.</td>
<td>During count down cycle, check for tripped circuit breakers on the chassis panel. Look for overfilled filter bags and other restrictions in the vacuum cycle before restarting the system. NOTE: Restrictions to the air flow such as clogged filters cause higher than normal amp draw. This can cause breakers to tip.</td>
</tr>
<tr>
<td>Air is present at brush but no Product comes out.</td>
<td>Unite needs to be primed.</td>
<td>Re-prime the unit by pushing the primer button located on the top of the control chassis.</td>
</tr>
</tbody>
</table>
### Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Problem</th>
<th>Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>No product or air at Parts Sheet Guide rush.</td>
<td>Possible bad brush switch wiring.</td>
<td>Check the trigger indicator light located on the central chassis. IF the light doesn’t come on when the switch is turned on, check for broken wires or a bad switch on the brush.</td>
</tr>
<tr>
<td>Compressor activates but no product.</td>
<td>Possible clogged line or bad foam generator.</td>
<td>Check product delivery lines for clogs, or check foam generator for cracks or obstructions.</td>
</tr>
</tbody>
</table>