

# **Steamin Demon® *Classic***

**High-Flow Carpet Cleaning System**

## **Operating Manual**



*Steamin Demon®*

**For Assistance Call Toll-Free**

**1-888-413-6748**

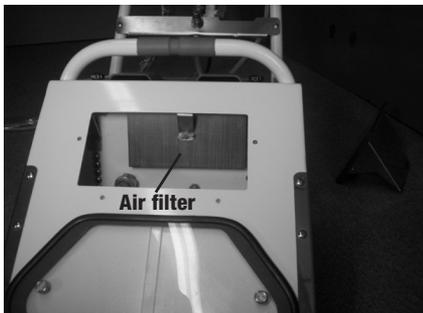
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# Table of Contents

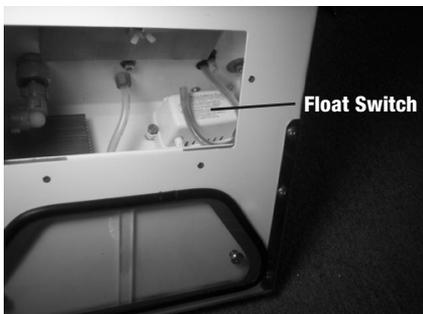
	<u>Page #</u>
<b>Section One</b>	
I. Pre Extraction	
A. Cleaning Machine . . . . .	3
B. Chemicals . . . . .	3
C. Sink Fittings . . . . .	3
D. Unrolling Hoses . . . . .	3
E. Hooking up to the Machine . . . . .	3
F. Prespraying and Spotting Carpets . . . . .	4
II. Extraction procedure	
A. Before you Begin . . . . .	4
B. Cleaning Carpet . . . . .	5
C. Hose Techniques . . . . .	6
D. Unhooking and Cleaning the Machine . . . . .	6
III. Hoses	
A. Attaching Extra Hoses . . . . .	8
B. Hose Reels . . . . .	8
IV. Hand Tool Attachments . . . . .	8
<b>Section Two: Warranty . . . . .</b>	<b>9</b>
<b>Section Three: Trouble-Shooting . . . . .</b>	<b>10</b>



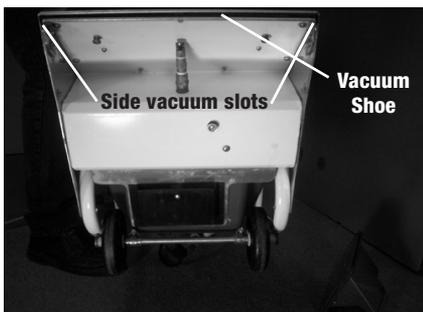
**Figure 2: Water filters**



**Figure 3: Air filter**



**Figure 4: Float switch**



**Figure 5: Vacuum shoe**

## Section One

### I. Pre extraction

**A. Cleaning the Machine-** To ensure the proper performance of this machine certain critical areas must be cleaned daily. These areas being the water filter, float switch, air filter and the vacuum shoe (fig. 2, fig. 3, fig. 4 and fig. 5). If these areas are not cleaned on a regular basis you may as well throw the machine away as it will not perform properly. Instructions on how to clean these areas can be found on pages 6 and 7.

### B. Chemicals

1. Fill the defoamer bottle, attached to the machine, about 3/4 full with Steamin Demon Bubble Blaster Defoamer (fig.6).
2. Fill the Dial a Mixer Sprayer with Demon Clean Carpet Prespray (fig. 7).

**C. Sink Fittings-** Each machine comes with five sink fittings, an extra pump impeller, a lip hook, a caddie, a spotter, a quart of prespray, a quart of defoamer, a 33 foot prespray hose with a Dial-a-Mix sprayer (fig. 8). The sink fittings convert the aerator threads on the faucet to garden hose threads.

1. To install sink fittings, use your hand or a or a pair of pliers to remove the aerator from the faucet. Avoid using plastic faucets or spicketts. Then install the corresponding sink fitting on the faucet (fig. 9).

2. The Standard Sink Fitting (fig. 10) has both inner and outer threads. It will fit about ninety percent of all faucets.

3. The Standard Extended Sink Fitting (fig. 8) has the same male thread as the Standard Sink Fitting. These threads, however, are extended above the fitting. This fitting is used on recessed faucets commonly found in bathrooms.

4. The 13/16 Male Fitting is the third most common fitting.

5. The 13/16 Female and 3/4 Female Sink Fittings are rarely used; but will fit into some old gooseneck faucets.

6. Permanent Sink Fitting- These are offered as an accessory. They are nice for facilities that do not want to mess with installing and removing sink fittings. They permanently install on the faucets, and all you need to do to connect to the faucet is to remove the aerator.

7. For garden hose-type spigots, sink fittings aren't necessary. The garden hose swivel nut on the end of the red pressure hose connects directly to garden hose spigots.

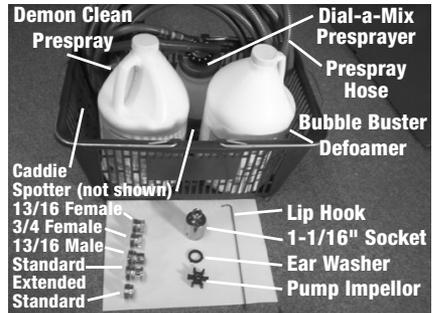
8. If connecting to a water heater, open water heater valve to drain any debris out of the bottom of the water heater before connecting your red pressure hose to it.



**Figure 6: Filling defoamer bottle**



**Figure 7: Filling prespray bottle**



**Figure 8: Contents of caddy**

**D. Unrolling Hoses-** Place one arm through the middle opening of the hoses (fig. 11) and feed the hose out as you walk away from the machine toward the sink.

**Hint:** New hoses take about a week to break in. If you roll and unroll the hoses the same way every time they will break in quicker and be easier to work with.

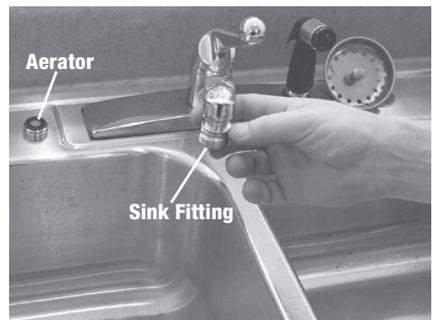
### **E. Hooking the Machine to the Sink**

1. Tighten the garden hose swivel nut (fig. 12) to the sink fitting. Turn hot water valve all the way open and open the pressure valve (fig. 12).

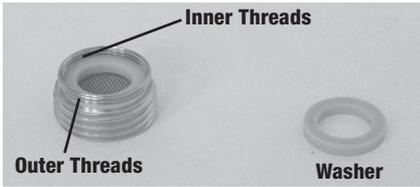
2. Open drain valve and place in sink, toilet, or other drain (fig. 13).

3. Plug electric cord into a grounded three pin outlet.

**Important:** The most common mistake made with this machine is forgetting to open all the valves. Remember that there are valves at both ends of each hose (pressure and drain). If any of the valves



**Figure 9: Attaching sink fitting to faucet**



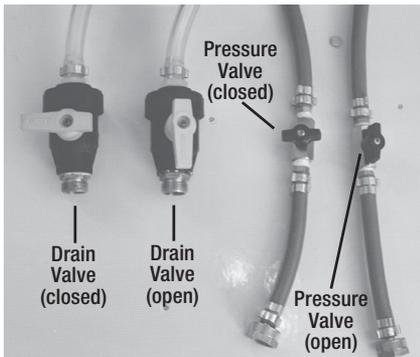
**Figure 10:** Inner and outer threads of Standard Fitting



**Figure 11:** Unrolling hoses



**Figure 12:** Hoses hooked to sink



**Figure 13:** Hose valves (open and closed)

are closed, the machine will not work .

## F. Prespraying and spotting carpet

1. First unroll the prespray hose. Then snap the hose quick connect into the prespray plug (fig. 14).

2. When prespraying carpet, concentrate prespray on the main traffic areas and spots. Prespray spots heavily and work in the chemical by rubbing the spot with your foot. Rinse the spot thoroughly (three to four passes) and make a final dry pass. Once done prespraying, disconnect prespray hose from the machine, release the pressure from the hose with the dial-a-mix sprayer, and place them in the caddy (fig. 17). On heavily soiled carpet it may be necessary to use a carpet rake to agitate the dirtiest areas of the carpet.

3. With stubborn stains you may need to boost your detergent. You can do this with your spotter. Simply spray the stain with your spotter, work in with your foot and rinse thoroughly (three to four passes followed by a final slow dry pass).

## II. Extraction Procedures

**A. Before You Begin-** Before starting your machine , familiarize yourself with the control panel (fig 16). This panel has four switches and an indicator light.

1. Vacuum switch: This toggle switch turns your vacuum motor on and off. It should remain ON during the entire extraction process.

2. Defoamer Momentary Toggle Switch: This switch will be used on an “as needed” basis during the extraction process.

3. Jet Spray Switches: For your convenience, there are two jet spray switches. One is a toggle switch and the other is a push button switch. Use the switch

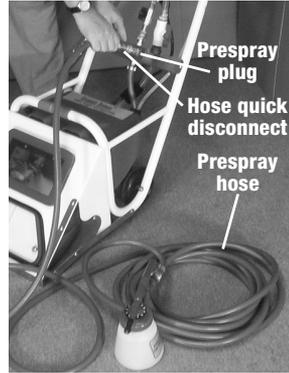
that is most comfortable for you. The indicator light will light up whenever either of these switches are activated. These switches control the water flow to the carpet.

### B. Cleaning Carpet

1. Turn vacuum switch on.
2. Position your machine for a cleaning pass (fig. 18). Keep both your hands on the machines handle.
3. How to make a cleaning pass. Turn on one of the jets spray switches and walk the machine backward. Work the hoses with your feet. Apply enough upward lift on the handle to keep the nose of the machine firmly on the carpet (fig.18).
4. At the end of your cleaning pass, turn jet spray switch OFF and continue walking the machine backwards a few inches. This will allow the machine to pick up any excess moisture.
5. Reposition the machine for the next pass (overlap approximately two to three inches) and repeat steps three and four.
6. During your cleaning pass, if you notice a lot of soap residue in the view window, pull the defoamer switch up for a second or more. If you ever hear the RPM's of your vacuum motor decrease, pull the defoamer switch up. This allows defoamer to be drawn into the recovery tank and kill the soap suds.

**IMPORTANT:** Many carpets have tremendous amounts of soap residue in them. This machine is very efficient at removing these residues. To protect your vacuum motor from the soap suds that can build up in your recovery tank, periodically pull the defoamer switch up.

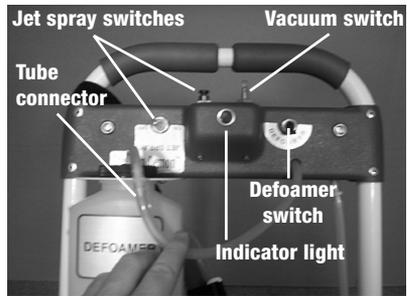
**IMPORTANT:** When using extra hoses, hose reels, or really hot water, your discharge pump may run hot and



**Figure 14:** Snapping in prespray hose



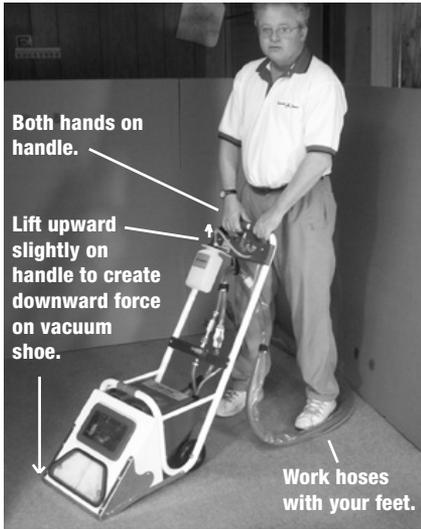
**Figure 15:** Prespraying carpet



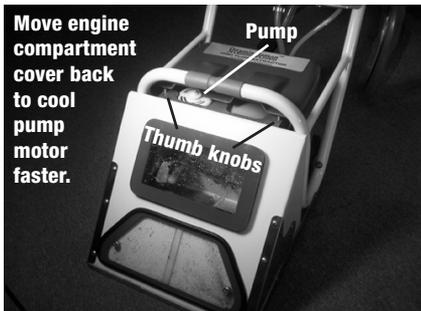
**Figure 16:** Control panel



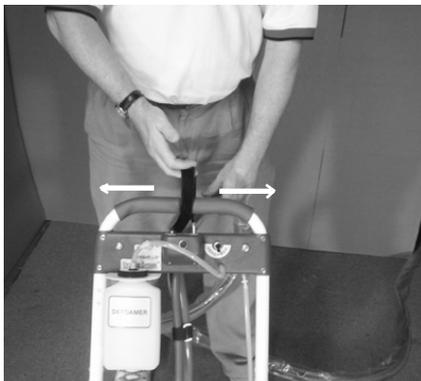
**Figure 17:** Caddie with chemical and prespray hose



**Figure 18: Cleaning pass**



**Figure 19: Hot pump**



**Figure 20: Moving hose hanger from one side of handle to the other.**

automatically shut off. A protective thermal switch within the pump is responsible for this. If this should occur, simply remove the thumb knobs (fig. 19) and push the top of the engine compartment cover back a couple of inches. This allows the heat inside the engine compartment to vent, thus decreasing the temperature of the discharge pump.

**IMPORTANT:** For flood restoration or work that requires more than 200 feet of hose, and optional dual discharge pump is available. This internally mounted discharge pump will increase your pump's flow capability about 50 to 80 percent. Do not operate the Steamin Demon in standing water, **ELECTRICAL SHOCK MAY OCCUR.**

**C. Hose Techniques-** The hoses on your machine provide it with a high volume of water supply and discharge capabilities. They can also get in your way. Here are some tried-and-true techniques that will be helpful to you.

1. Always try to work away from your hoses.
2. The hose strap (fig. 20) on the handle allows you to switch the hoses from one side of the machine to the other.
3. During extraction, keep both your hands on the handle and work the hose with your feet (fig. 18).

**D. Unhooking & Cleaning the Machine**

1. Tilt the machine to the **RIGHT** (fig. 21) to manually activate the discharge pump. This will drain the recovery tank.
2. Unplug the electric cord.
3. Clean the Water Filter. To clean the water filter remove the water filter by unscrewing the garden hose swivel nut

and removing the water filters from the recovery tank (fig. 22), lift up the lint filter (fig 23), and rinse off both the lint and primary filter.

4. Cleaning the air filter. To clean the air filter use your hands to wipe off any debris. Once or twice a month the air filter should be removed and cleaned (fig. 24). To do this remove the wing nut, nylon washer and middle brace. Then clean thoroughly and replace. Do not operate this machine without a clean air filter. To do so will dramatically reduce the life and performance of the vacuum motor.

5. Clean the float switch. First, unscrew the brass knurl nut (fig.22) and lift the float switch up. Then spray out any debris that has built up inside the float switch with your Dial-a-Mix sprayer (fig. 25).

6. If it is needed, remove the drain plug (fig. 26) from the bottom of the recovery tank and spray out the bottom of the recovery tank with the Dial-a-Mix sprayer.

7. If needed remove and clean the water channel. To do this remove the two thumb nuts from the underside of the machine (fig. 29). Lift out the water channel (fig. 25) and clean.

8. Clean the vacuum shoe and the side vacuum slots with the lip hook provided with each machine (fig. 26 and 27).

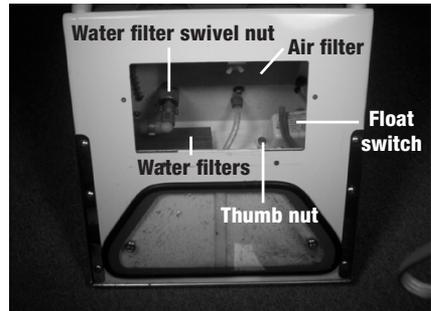
9. Replace the air filter, float switch, drain plug, water channel and water filter. Make sure the water filter sits flat on the bottom of the recovery tank and that its garden hose swivel nut is tightened securely.

10. Clean the exterior of the machine with a damp cloth and windex.

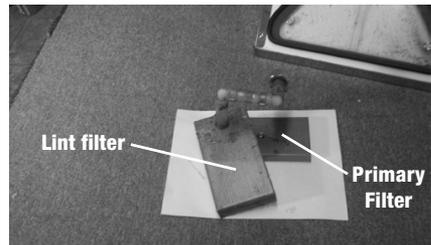
11. Unscrew the pressure hose (the red hose) from the sink fitting. Open then close the pressure valve to release the water pressure.



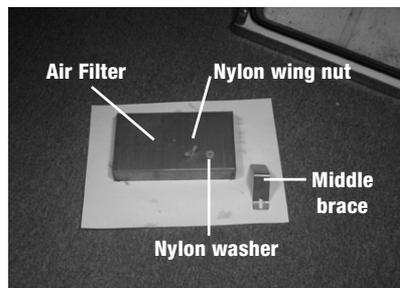
**Figure 21:** Tilt machine to right to manually activate discharge pump



**Figure 22:** Recovery tank components that must be cleaned



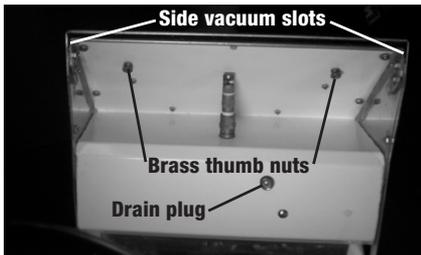
**Figure 23:** Water filter assembly



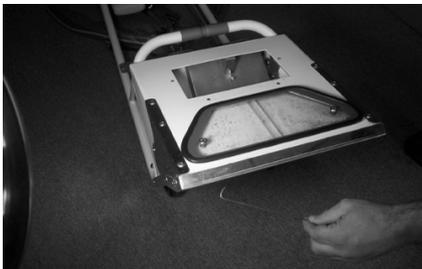
**Figure 24:** Air filter assembly



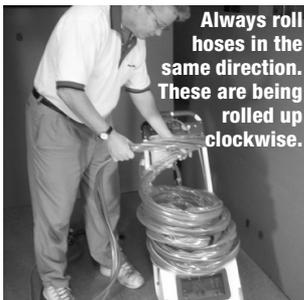
**Figure 25: Cleaning float switch (unplug machine before doing this)**



**Figure 26: Remove brass thumb nuts to remove water channel for cleaning**



**Figure 27: Cleaning vacuum shoe with lip hook**



**Figure 28: Rolling up hoses**

12. Close the drain valve (on the clear hose).

13. Remove the sink fitting from the faucet and replace the aerator.

14. Roll the hoses (fig. 29). Always roll the hoses in the same direction, either clockwise or counter clockwise. If you do they will break in nicely for you.

15. If you store the machine make sure that it is in a place that will not freeze. Freezing this machine will damage it.

### III. Hoses

**A. Attaching Extra Hoses-** Extra hoses are sold in 50 foot sections (fig.30) with valves on all the ends. To attach just align the pressure and drain hoses and tighten the corresponding garden hose fittings. Make sure all valves are open before operating.

**B. Hose Reels-** Hose reels may be purchased with the machine (fig 31). They come in pairs one hose reel for the pressure and one hose reel for the drain hose. These hose reels can hold 100 feet, 150 feet, 200 feet, and 250 feet of hose depending on your needs.

### IV. Hand Tool Attachments

These attachments may be purchased with your machine. It consists of 25 feet of vacuum and pressure hoses. Separate heads are available for stair and furniture cleaning. A wand attachment is also available. To connect the hand tool attachment to the machine:

A. Remove the window channel (fig. 29).

B. Push down on the hand tool window channel to seal its front gasket and turn vacuum switch on.

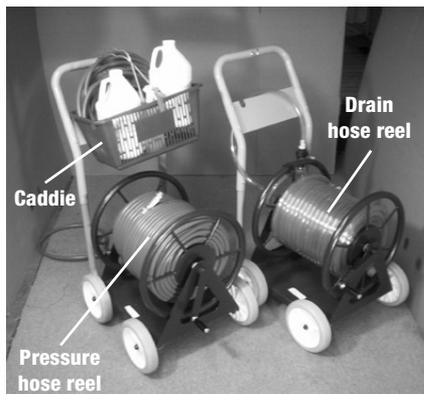
C. Snap the red pressure hose into the plug on the front of the machine.



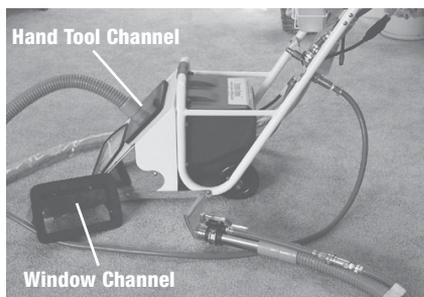
**Figure 29:** Hoses secured with bungee cords



**Figure 30:** 50 ft. section of extra hose



**Figure 31:** Hose reels



**Figure 32:** Hand Tool Attachment

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## SECTION TWO: WARRANTY

Steamin Demon Inc. conditionally warrants all major structural parts (recovery tank, filters, axle, handle, internal braces, stainless steel lips) and all nonstructural, plastic and electrical parts for a period of one year from date of purchase. In addition, if Demon Clean Prespray and Bubble Buster Defoamer are the only chemicals used in the dial-a-mix sprayer and defoamer injection systems, those systems will be warranted for the life of the machine. This warranty includes the cost of shipping warranty-replacement parts or machines to the distributor or end-user, but does not include the cost of shipping parts or machines to the factory for inspection or repair. The warranty is subject to the conditions listed below:

- This warranty is made only to the original purchaser and will only be honored when the machine is used in accordance with the directions and instructions described in the Operation and Maintenance Procedure Manual.
- This warranty does not include any product showing signs of abuse, misuse, improper voltage, shipping damage, lack of proper maintenance, alterations, use of nonapproved chemicals (call us), gaskets, finishes, polycarbonate, fire, flood, normal wear or other causes beyond Steamin Demon Inc.'s control.

## SECTION THREE: TROUBLE-SHOOTING

Problem	Cause	Solution
Recovery tank will not drain	<ol style="list-style-type: none"> <li>1. Closed drain valve(s)</li> <li>2. Dirty float switch</li> <li>3. Hot pump</li> <li>4. Kinked drain hose</li> <li>5. Pump not priming</li> <li>6. Clogged water filters</li> <li>7. Bad pump or float switch</li> </ol>	<ol style="list-style-type: none"> <li>1. Open all drain valves (fig. 13).</li> <li>2. Clean float switch (fig. 25).</li> <li>3. Remove thumb knobs &amp; push engine compartment cover back a few inches (fig. 19).</li> <li>4. Unkink hose.</li> <li>5. Tighten water filter swivel nut (fig. 2) or replace impeller.</li> <li>6. Clean filters (fig. 23).</li> <li>7. Replace.</li> </ol>
No water supply	<ol style="list-style-type: none"> <li>1. Water not turned on</li> <li>2. Closed valve(s)</li> <li>3. Kinked hose</li> <li>4. Broken or frozen solenoid</li> <li>5. Broken jet spray switch or indicator light</li> </ol>	<ol style="list-style-type: none"> <li>1. Turn water on.</li> <li>2. Open all valves (fig. 13).</li> <li>3. Unkink hose.</li> <li>4. Replace.</li> <li>5. Replace.</li> </ol>
RPM's of vacuum motor going dramatically down	<ol style="list-style-type: none"> <li>1. Recovery tank full of water</li> <li>2. Excess soap residue in carpet</li> </ol>	<ol style="list-style-type: none"> <li>1. See above section: "Recovery tank will not drain."</li> <li>2. Increase defoamer injection (see page 5).</li> </ol>
Vacuum motor will not turn on	<ol style="list-style-type: none"> <li>1. Check wall plug and plug on back of machine</li> <li>2. Check building's circuit breaker</li> <li>3. Bad switch, loose wire or bad motor</li> </ol>	<ol style="list-style-type: none"> <li>1. Plug in.</li> <li>2. Reset circuit breaker.</li> <li>3. Call us.</li> </ol>
Water going to machine but not to prespray system	<ol style="list-style-type: none"> <li>1. Quick connect not seated properly</li> </ol>	<ol style="list-style-type: none"> <li>1. Reseat quick connect.</li> </ol>
Hazing of view windows	<ol style="list-style-type: none"> <li>1. Use of strong solvents</li> </ol>	<ol style="list-style-type: none"> <li>1. Quit using them.</li> </ol>
Slow drying times or carpet streaking	<ol style="list-style-type: none"> <li>1. Obstructed air filter</li> <li>2. Obstructed vacuum shoe</li> <li>3. Worn gaskets (you should hear sucking noises on water channel)</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean air filter (fig. 24).</li> <li>2. Clean vacuum shoe (fig. 27) and side vacuum slots (fig. 26).</li> <li>3. Replace water channel (fig. 25).</li> </ol>
Machine shocks you	<ol style="list-style-type: none"> <li>1. Short or improper ground in either machine or outlet.</li> </ol>	<ol style="list-style-type: none"> <li>1. Immediately stop operating and call us.</li> </ol>
Defoamer not injecting	<ol style="list-style-type: none"> <li>1. Clogged defoamer valve.</li> <li>2. Vacuum motor not on.</li> <li>3. Vacuum shoe not sitting on carpet.</li> </ol>	<ol style="list-style-type: none"> <li>1. Separate tube connector above defoamer bottle. Open defoamer switch and blow through tube until unclogged (fig. 16). Turn on. Sit vacuum shoe on carpet.</li> </ol>