

Steamin Demon™

High-Flow Extraction Cleaning System



Repair Manual and Parts List



For technical assistance, contact your Steamin Demon dealer or call customer service at (888) 413-6748.

NOTES

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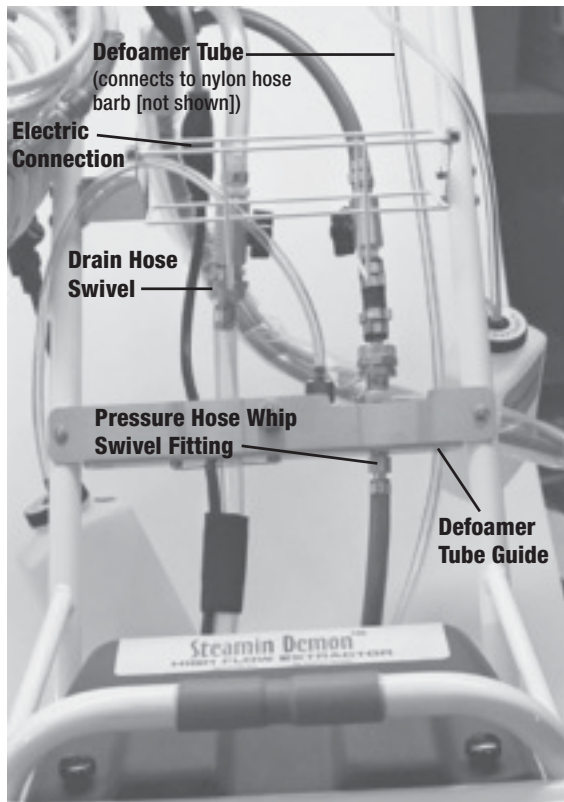


Figure 1

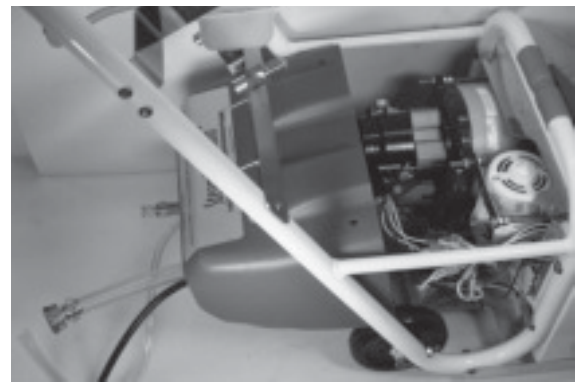


Figure 4

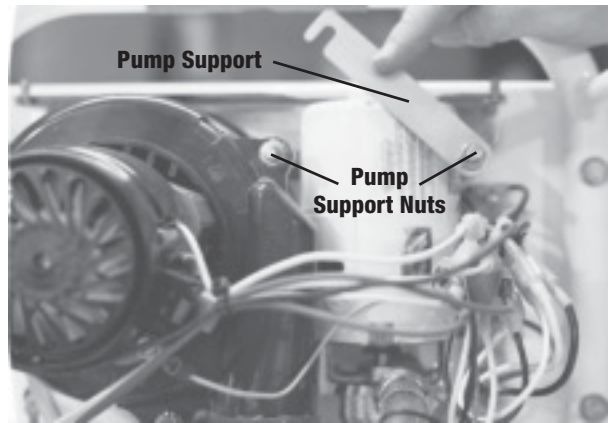


Figure 5

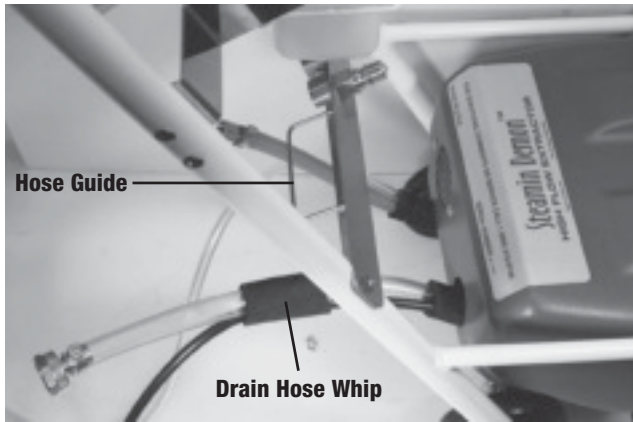


Figure 2

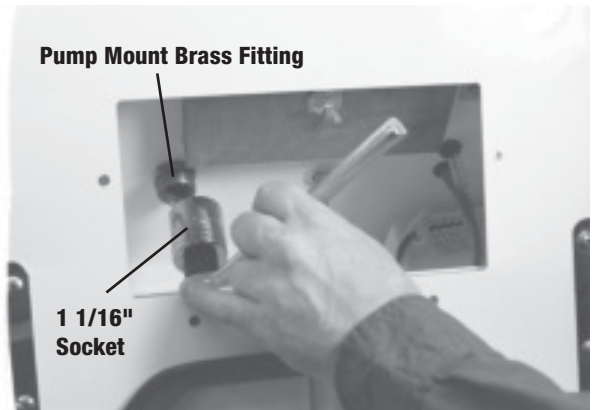


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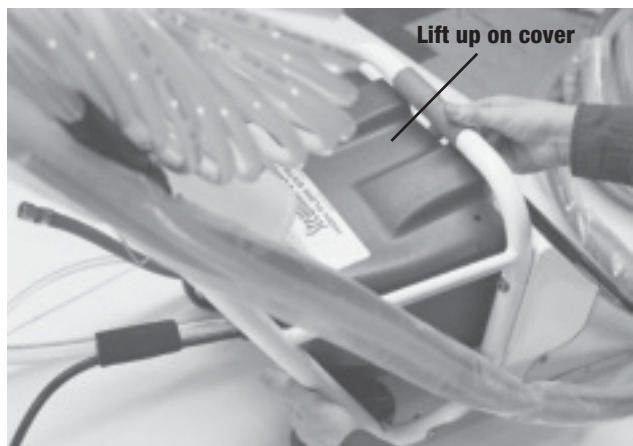


Figure 3

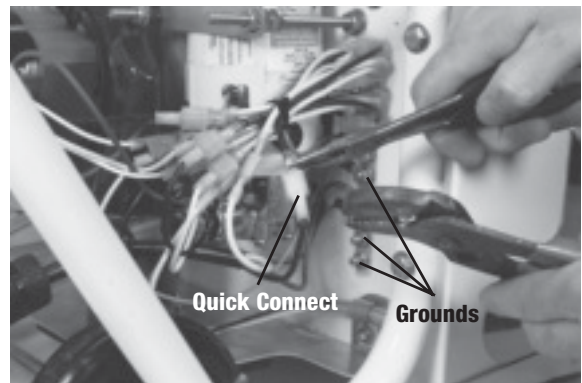


Figure 7

Removing Engine Compartment Cover

1. Unplug machine at outlet.
2. Unswivel both pressure hose whip swivel fitting and drain hose swivel (fig. 1). Unplug electrical connection and pull defoamer tube off nylon hose barb fitting under control panel (fig. 1).
3. Pull drain hose whip through the hose guide (fig. 2). Pull defoamer tube through its hose guide (fig. 1).
4. Unscrew black thumb knobs from top of engine compartment cover. Lift top of cover straight up off of bolts and pull it back (fig. 3 and 4).

Removing Discharge Pump

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to above: Removing Engine Compartment Cover).
3. Loosen pump support nuts and push pump support up (fig. 5).
4. Using 1 1/16" socket supplied with machine, remove the pump mount brass fitting (fig. 6).
5. Unscrew pump's ground wire and separate pump's black and white wires at their quick-connects. You may need to use a pair of pliers or needle-nose on either side of quick-connect to separate. (Fig. 7).
6. Remove and replace pump (refer to page 18: Engine Compartment Terminal Block Diagram for wiring instructions).

Replacing Pump's Impeller

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to above: Removing Engine Compartment Cover).

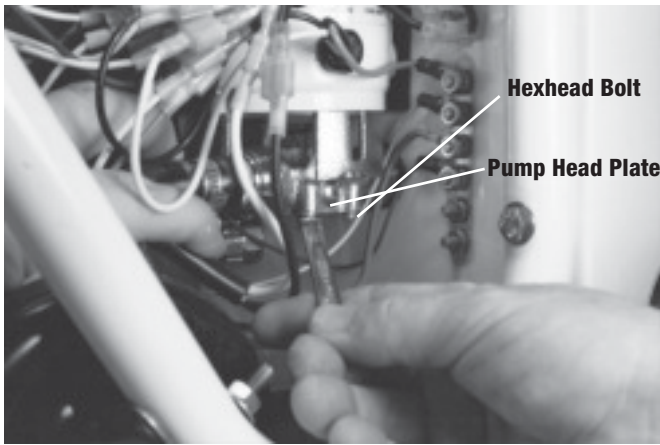


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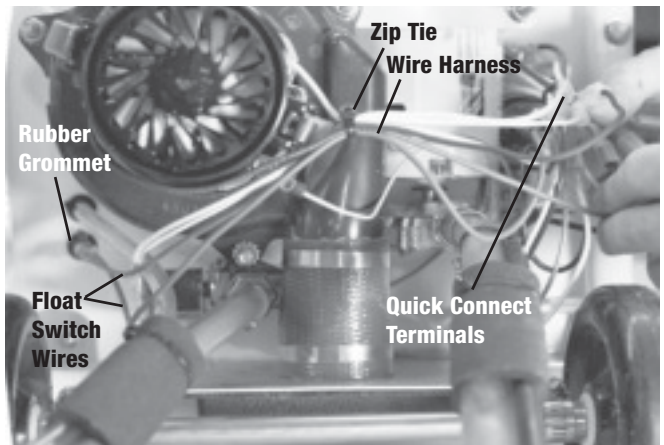


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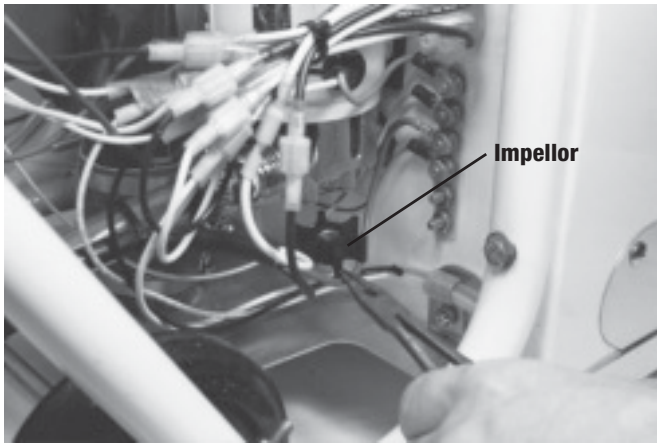


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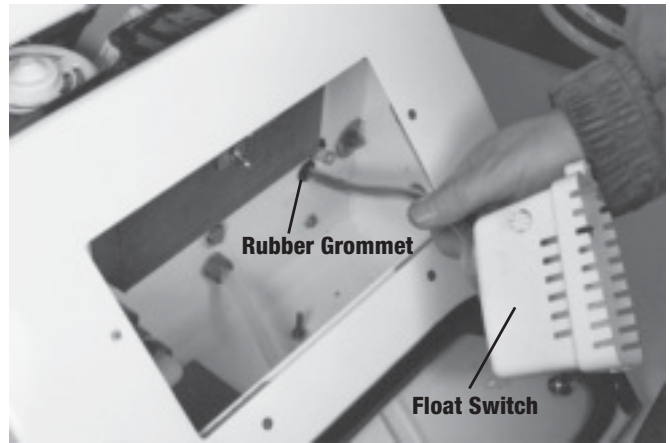


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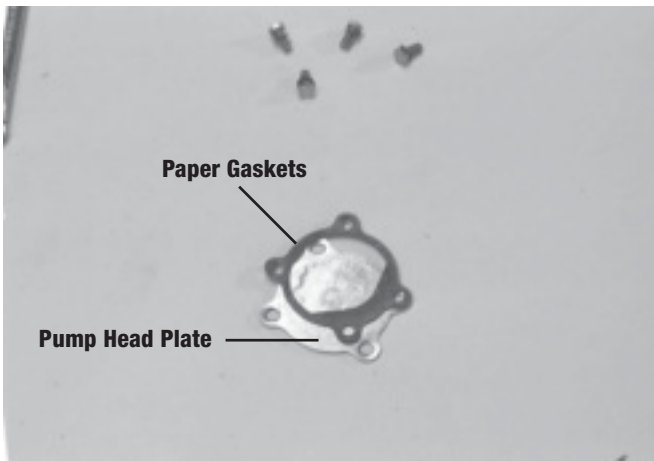


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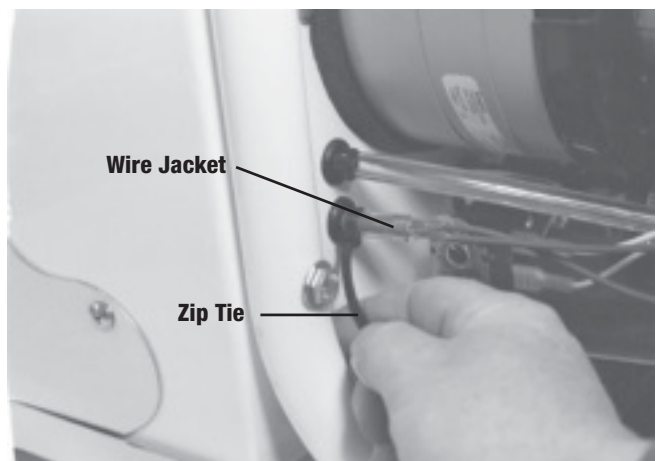


Figure 13

3. Use 1/4" wrench and remove the four hexhead bolts from the pump head plate (fig. 8).
4. Pull impeller out of pump head with needle-nose pliers (fig 9).
5. Remove any debris (hair, lint etc.) that may have accumulated in pump head.
6. Insert new impeller.

RULE OF THUMB: When pump is new, the pump head plate is sealed with three paper gaskets (fig. 10). Depending on how well your pump is priming, you may need to remove one or possibly two of these gaskets. Also, if the pump head plate is worn, you may need to flip it over when you install it back on the pump head.

Replacing Float Switch

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to page 3: Removing Engine Compartment Cover).
3. Locate the float switch's two electric wires and disconnect them at their quick-connect terminals (fig. 11).
4. Carefully cut zip-ties from wire harness (fig. 11).
5. Remove thumb-nut from float switch and pull float wires through rubber grommet (fig. 12).
6. Insert new float switch. Moisten float switch's wire jacket (fig. 13) before pushing through rubber grommet. Once installed firmly zip-tie wire jacket as shown (fig. 13).
7. Zip-tie wire harness.
8. Reattach quick-connect terminals (refer to page 18: Engine Compartment Terminal Block Diagram).
9. Reattach float switch with brass thumb nut.

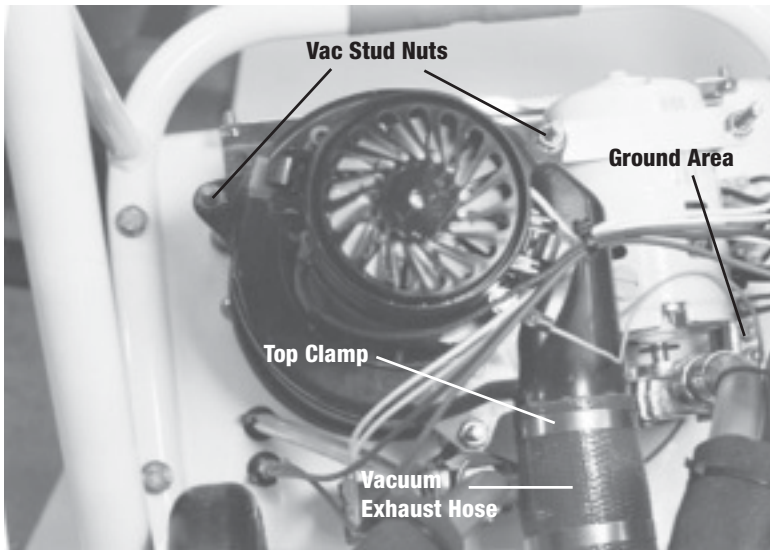


Figure 14

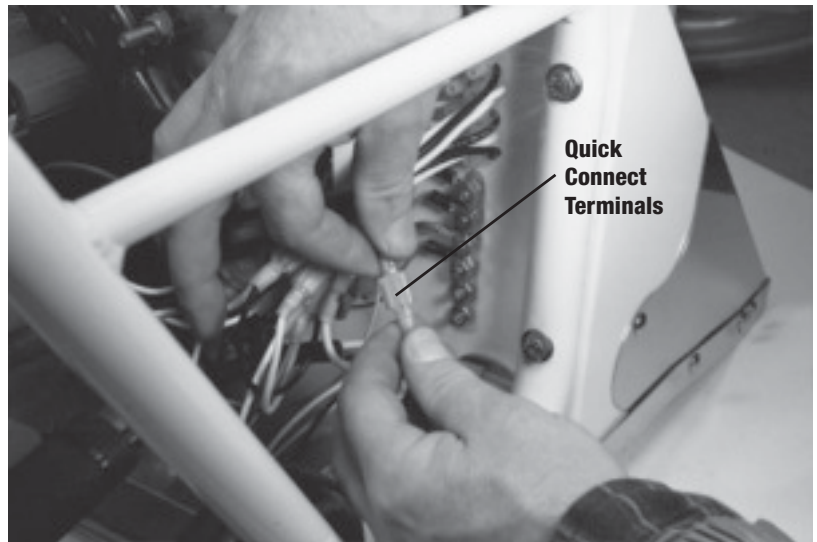


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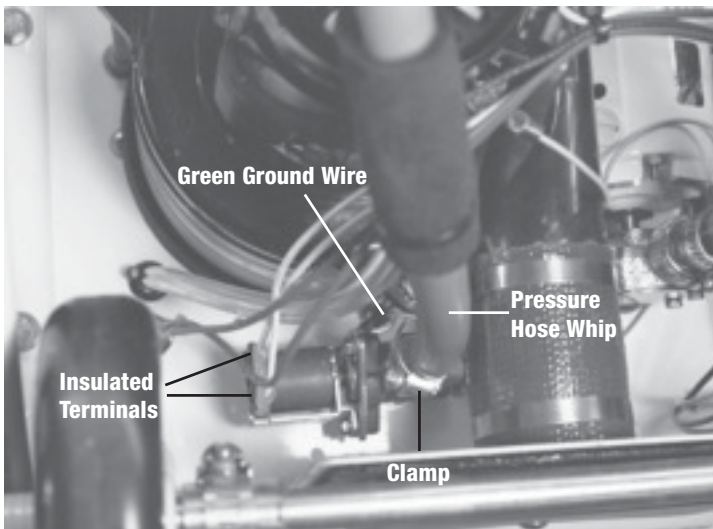


Figure 16

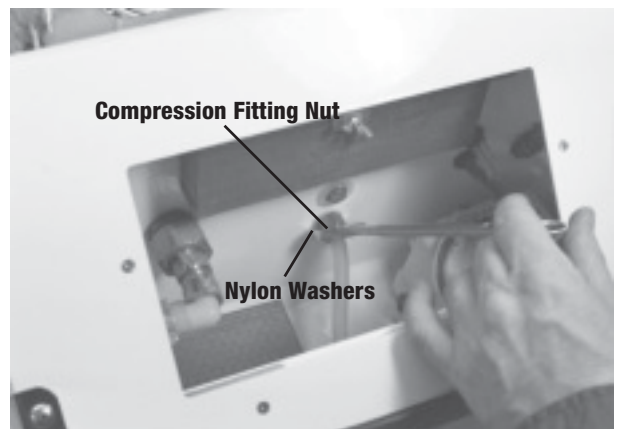


Figure 17

Replacing Vacuum Motor

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to page 3: Removing Engine Compartment Cover).
3. Loosen top clamp on vacuum exhaust hose (fig. 14).
4. Remove three vacuum stud nuts (fig. 14).
5. Remove the vacuum motor's ground wire from the machine's ground (fig. 14).
6. Disconnect vacuum motor's black and white wire at their quick-connect terminals (fig. 15).
7. Remove and replace vacuum motor. Reattach vacuum exhaust hose with top clamp. Tighten vacuum motor back up with the vacuum stud nuts (do not overtighten or you may crack the plastic mounting flanges on vacuum motor).
8. Reattach black and white wires and ground wire (refer to page 18: Engine Compartment Terminal Block Diagram).

Replacing Solenoid

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to page 3: Removing Engine Compartment Cover).
3. Pull both insulated terminals off solenoid (fig. 16).
4. Remove compression fitting nut and nylon washers (fig. 17).
5. Remove solenoid.
6. Loosen clamp and remove pressure hose whip (fig. 16).
7. Unscrew and remove green ground wire (fig. 16).
8. Reattach green ground wire and pressure hose whip on new solenoid.
9. Reattach solenoid with compression fitting nut and nylon washers.
10. Reattach the two insulated terminals to solenoid.

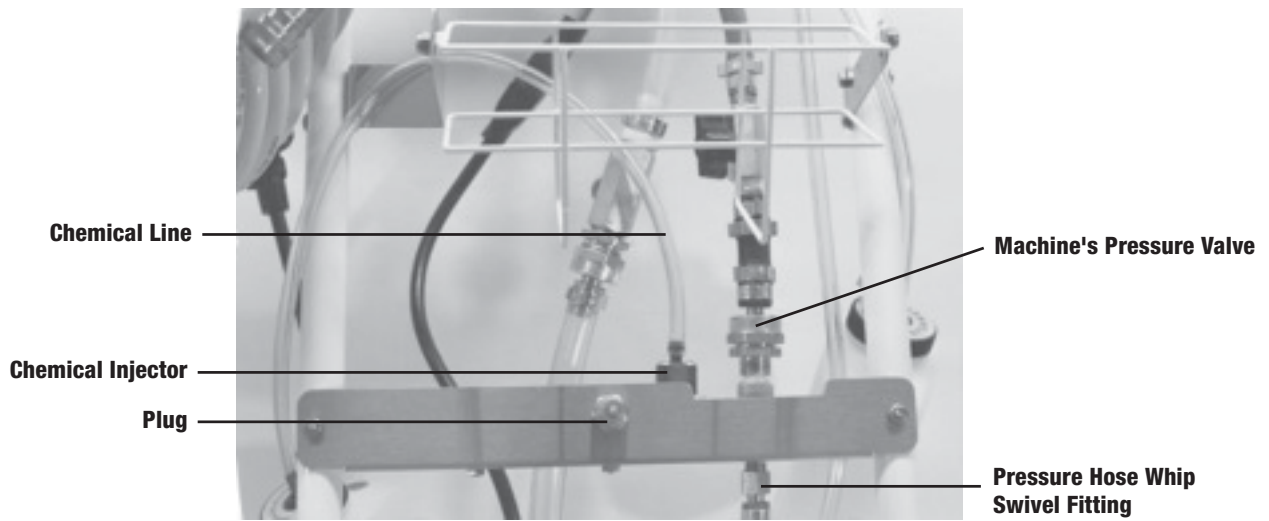


Figure 18

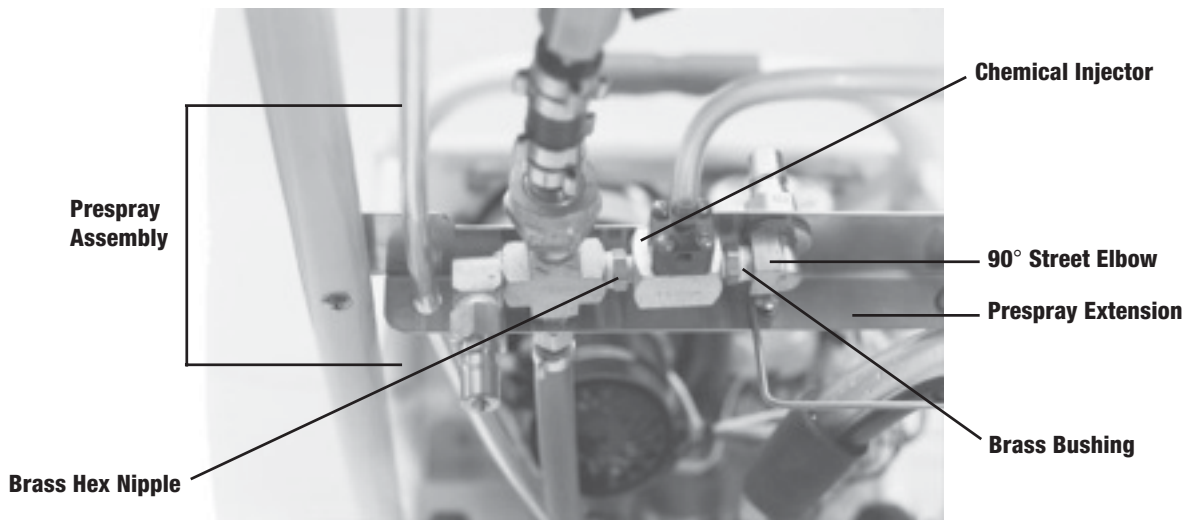


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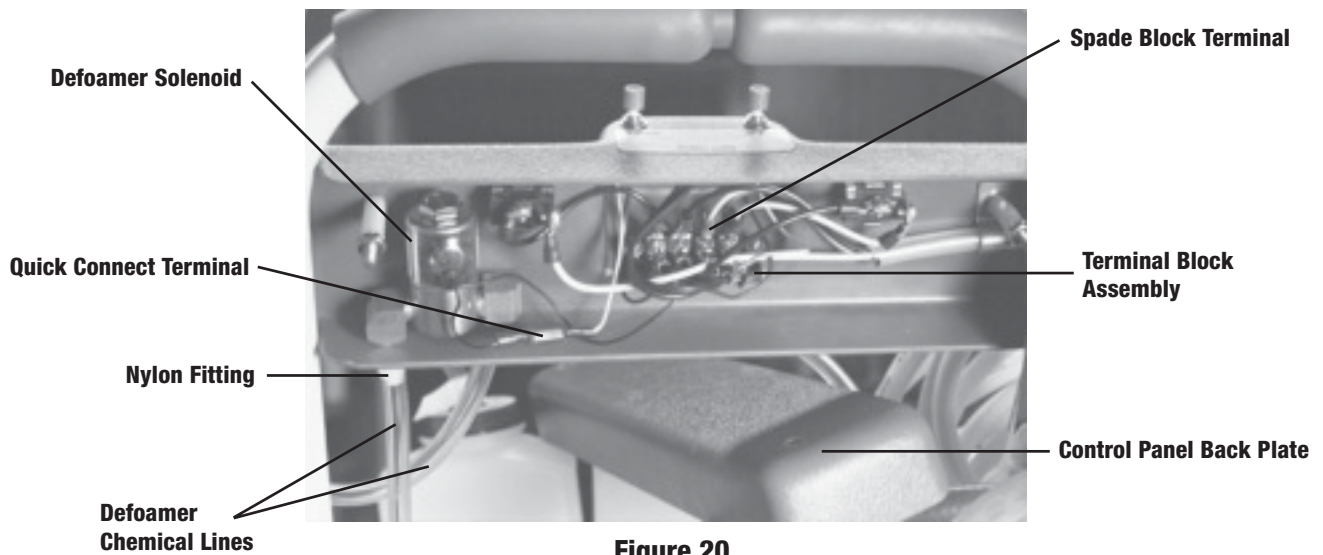


Figure 20

Replacing Chemical Injector

1. Unplug machine at outlet.
2. Unscrew pressure hose whip at its swivel fitting (fig. 18) and remove chemical line from chemical injector (fig. 18).
3. Unscrew machine's pressure valve (fig. 18).
4. Unscrew plug (fig. 18) and remove prespray assembly (fig. 19) from prespray extension.
5. Remove chemical injector from the prespray assembly at the brass bushing and brass hex-nipple locations (fig. 19).
6. Retape all pipe threads with teflon tape and retighten in new chemical injector.
7. Place prespray assembly in prespray extension and tighten the pressure hose whip swivel fitting (fig. 18).
8. When reattaching plug, spray WD-40 into plug's threads and retighten gently. Do not overtighten or you may shear the 90° brass street elbow that the plug tightens into.
9. Reattach the machine's pressure valve and chemical line (fig. 18).

Replacing the Defoamer Solenoid

1. Unplug machine at outlet.
2. Remove back plate of control panel (fig. 20).
3. Wiggle both defoamer chemical lines off their nylon fittings (fig. 20).
4. Unscrew nylon fittings from defoamer solenoid.
5. Separate quick-connect terminal (fig. 20).
6. Remove spade block terminal from terminal block assembly (fig. 20).
7. Remove and replace defoamer solenoid (refer to page 18: Control Panel Terminal Block Diagram for wiring instructions).

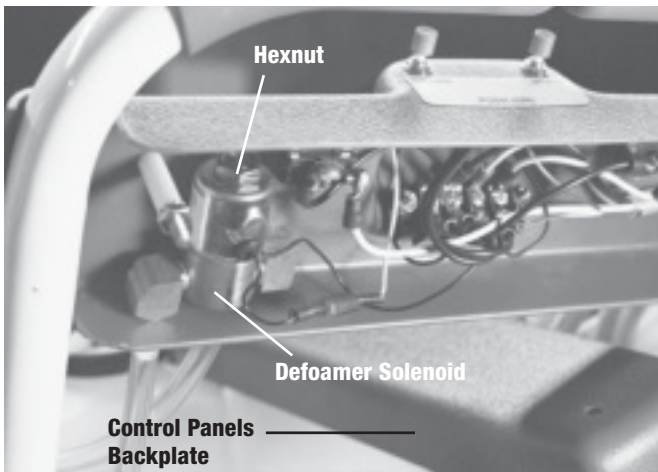


Figure 21

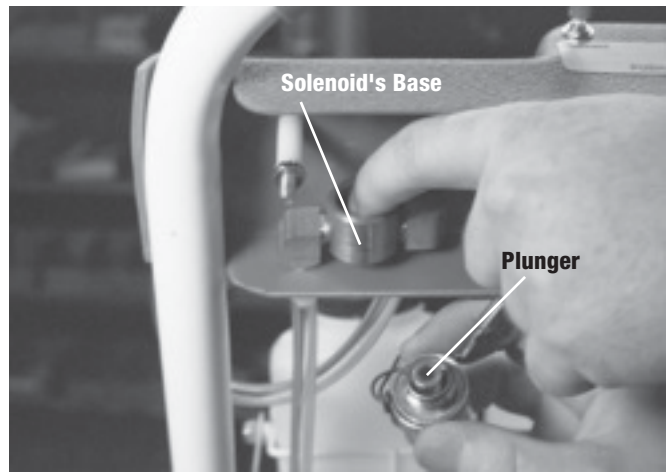


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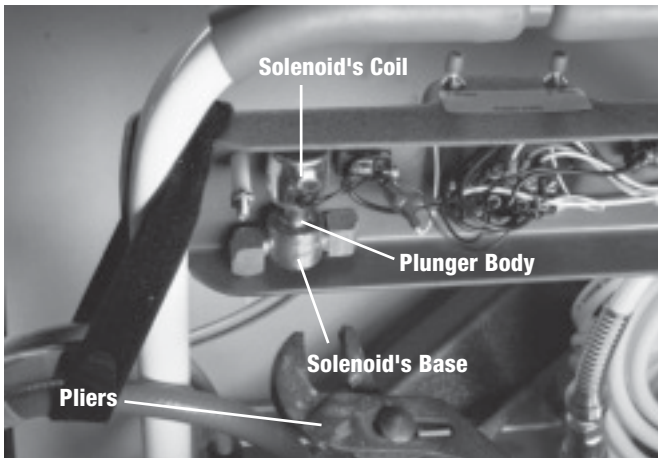


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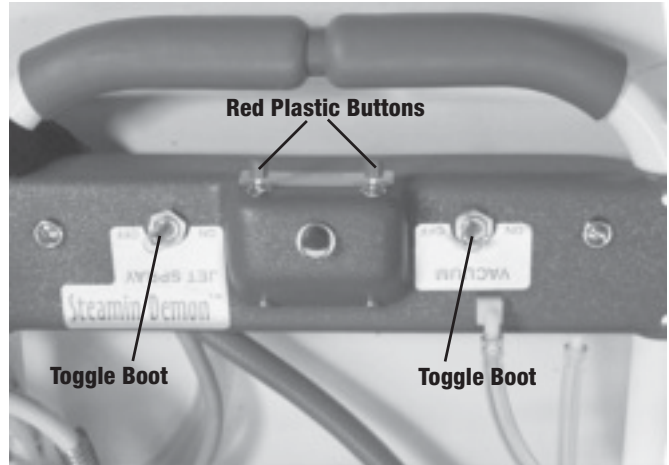


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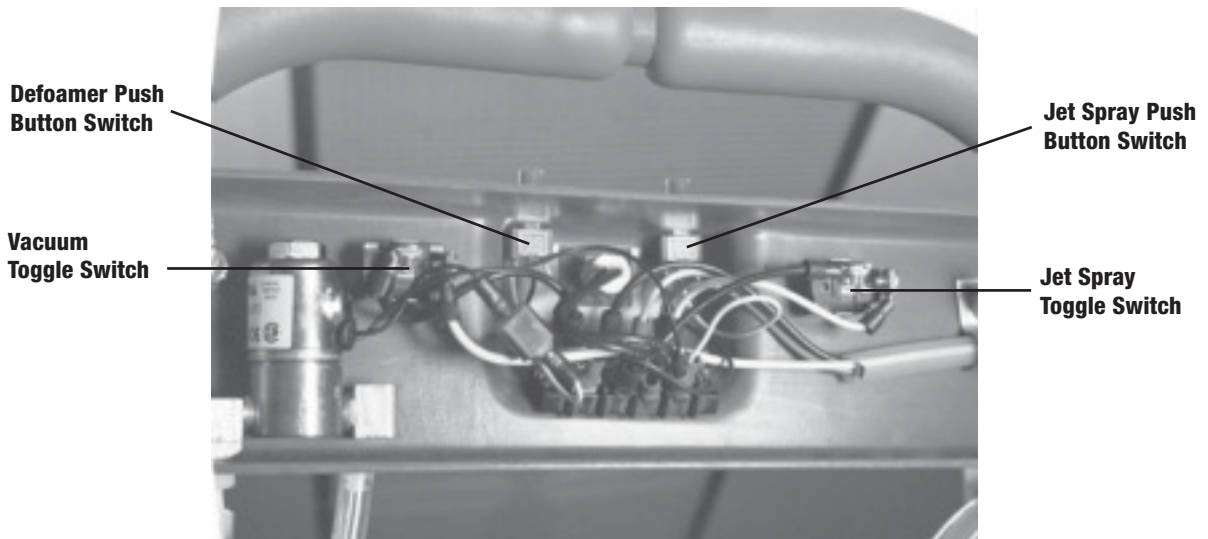


Figure 25

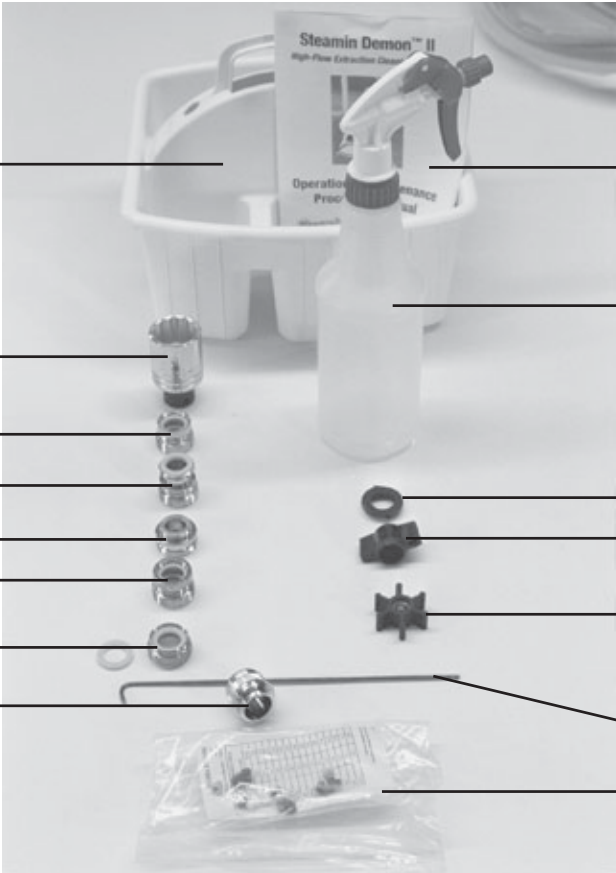
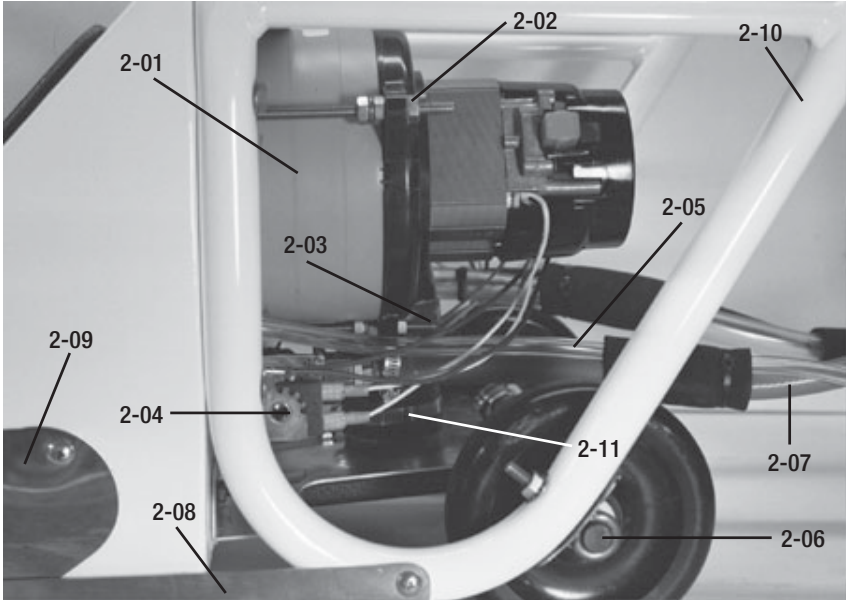
Cleaning Defoamer Solenoid

1. Unplug machine at outlet.
2. Remove backplate of control panel and locate defoamer solenoid (fig. 21).
3. Unscrew hex-nut from top of solenoid (fig. 21).
4. Lift solenoid coil up and use pliers to unscrew plunger body out of the solenoid's base (fig. 22).
5. Use your finger to clean any debris from plunger and interior of solenoid's base (fig. 23).
6. Reassemble defoamer solenoid.

Removing and Replacing Switches

1. Unplug machine at outlet.
2. Remove backplate of control panel (fig. 25).
3. For Push Button Switches: Remove red plastic button before removing switch (fig. 24).
4. For Toggle Switches: Remove toggle boot to remove switch (fig. 24).
5. Important: Refer to page 18: Control Panel Terminal Block Diagram whenever removing and replacing switches.

PARTS LIST

VIEW #	PART #	NAME
 <p data-bbox="386 1129 760 1161">View 1: Adapter Tray Contents</p>	1-01	Standard Fitting
	1-02	Standard Extended Fitting
	1-03	13/16" Male Fitting
	1-04	3/4" Female Fitting
	1-05	13/16" Female Fitting
	1-06	Adapter Tray (caddie)
	1-07	Impeller
	1-08	Lip Hook
	1-09	Injector Tip Kit
	1-10	Garden Hose Washer
	1-11	Permanent Fitting (Optional)
	1-12	Butterfly Handle
	1-13	1 1/16" Socket Adapter
	1-14	Trigger Sprayer
	1-15	Operating Manual
 <p data-bbox="337 1862 813 1894">View 2: Left Side Engine Compartment</p>	2-01	Vacuum Motor Assembly
	2-02	Vacuum Stud Nut
	2-03	Vacuum Exhaust Tube
	2-04	Solenoid Assembly
	2-05	Defoamer Chemical Line
	2-06	Axle Assembly
	2-07	Solenoid Hose Whip & Swivel Fitting
	2-08	Outer Lip
	2-09	Wing Brace (Left or Right)
	2-10	Handle (Left or Right)
	2-11	Vacuum Exhaust Tube Clamp

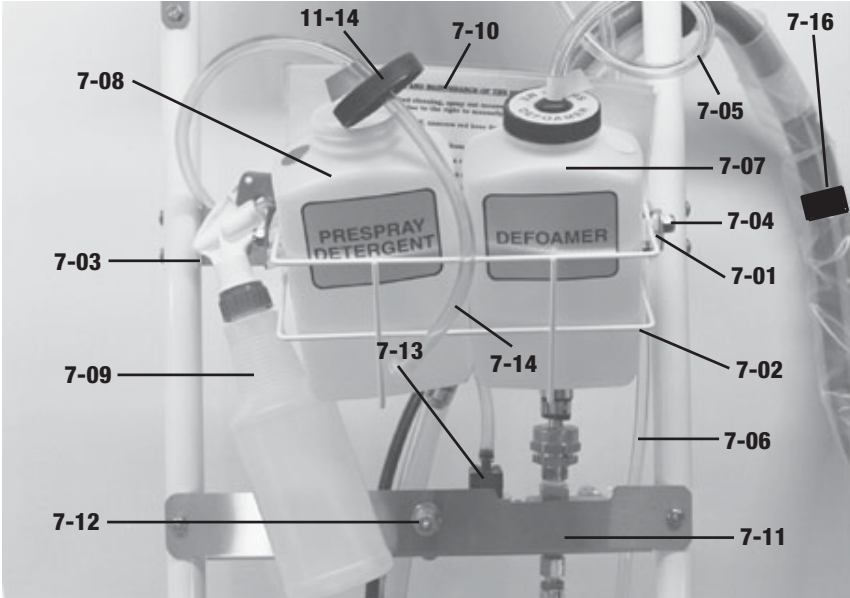
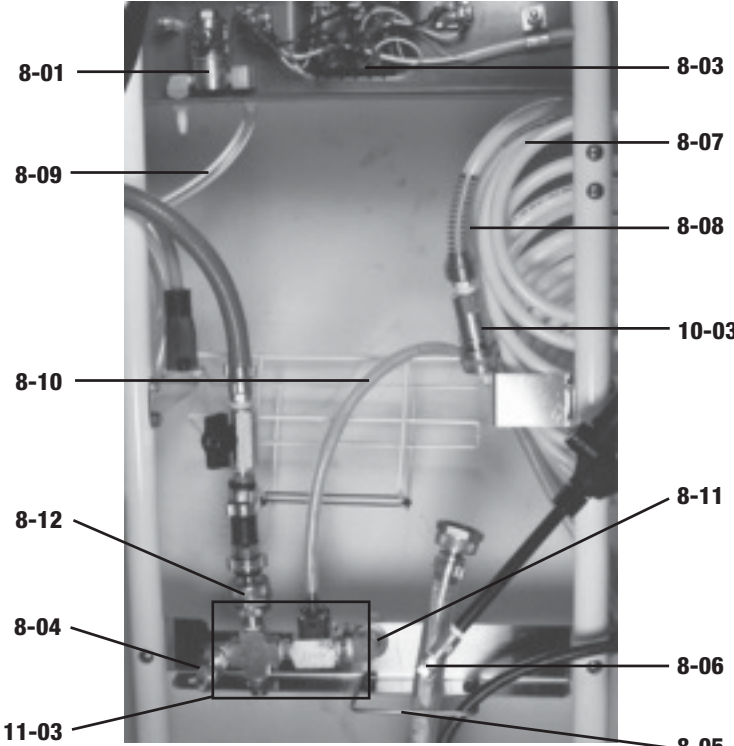
PARTS LIST

VIEW #	PART #	NAME
<p data-bbox="315 926 834 957">View 3: Right Side of Engine Compartment</p>	<p data-bbox="1029 352 1089 380">3-01</p> <p data-bbox="1029 392 1089 420">3-02</p> <p data-bbox="1029 468 1089 495">3-03</p> <p data-bbox="1029 543 1089 571">3-04</p> <p data-bbox="1029 619 1089 646">3-05</p> <p data-bbox="1029 659 1089 686">3-06</p> <p data-bbox="1029 699 1089 726">3-07</p> <p data-bbox="1029 739 1089 766">3-08</p>	<p data-bbox="1133 352 1252 380">Dogbone</p> <p data-bbox="1133 392 1442 457">Discharge Pump (Prepped & Assembled)</p> <p data-bbox="1133 468 1419 533">Discharge Pump Hose Whip with Swivel</p> <p data-bbox="1133 543 1409 609">Engine Compartment Terminal Block</p> <p data-bbox="1133 619 1321 646">Pump Support</p> <p data-bbox="1133 659 1300 686">Electric Plug</p> <p data-bbox="1133 699 1284 726">Jiffy Clamp</p> <p data-bbox="1133 739 1243 766">Grounds</p>
<p data-bbox="461 1755 691 1787">View 4: Front View</p>	<p data-bbox="1029 1150 1089 1178">4-01</p> <p data-bbox="1029 1226 1089 1253">4-02</p> <p data-bbox="1029 1266 1089 1293">4-03</p> <p data-bbox="1029 1341 1089 1369">4-04</p> <p data-bbox="1029 1381 1089 1409">4-05</p> <p data-bbox="1029 1457 1089 1484">4-06</p> <p data-bbox="1029 1533 1089 1560">4-07</p> <p data-bbox="1029 1572 1089 1600">4-08</p> <p data-bbox="1029 1612 1089 1640">4-09</p> <p data-bbox="1029 1652 1089 1680">4-10</p> <p data-bbox="1029 1692 1089 1719">4-11</p> <p data-bbox="1029 1732 1089 1759">4-12</p> <p data-bbox="1029 1772 1089 1799">4-13</p> <p data-bbox="1029 1812 1089 1839">4-14</p> <p data-bbox="1029 1852 1089 1879">4-15</p> <p data-bbox="1029 1892 1089 1919">4-16</p>	<p data-bbox="1133 1150 1458 1215">Window Channel (Off to Side) Assembly</p> <p data-bbox="1133 1226 1458 1253">Water Channel Assembly</p> <p data-bbox="1133 1266 1435 1331">Window Channel Inner Gasket</p> <p data-bbox="1133 1341 1435 1369">Lint Filter (Off to Side)</p> <p data-bbox="1133 1381 1409 1446">Primary Water Filters (Assembled)</p> <p data-bbox="1133 1457 1463 1522">Water Filter Garden Hose Swivel Nut Assembly</p> <p data-bbox="1133 1533 1256 1560">Air Filter</p> <p data-bbox="1133 1572 1263 1600">Wing Nut</p> <p data-bbox="1133 1612 1312 1640">Middle Brace</p> <p data-bbox="1133 1652 1430 1680">Float Switch (Prepped)</p> <p data-bbox="1133 1692 1268 1719">Knurl Nut</p> <p data-bbox="1133 1732 1419 1759">Spray Jet Supply Line</p> <p data-bbox="1133 1772 1458 1799">Pump Mount Brass Fitting</p> <p data-bbox="1133 1812 1344 1839">Middle Channel</p> <p data-bbox="1133 1852 1243 1879">Channel</p> <p data-bbox="1133 1892 1398 1919">Compression Fitting</p>

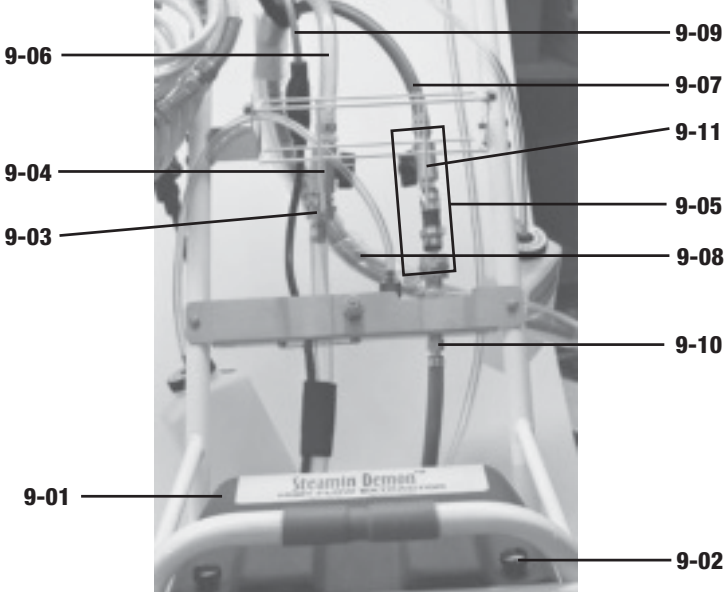
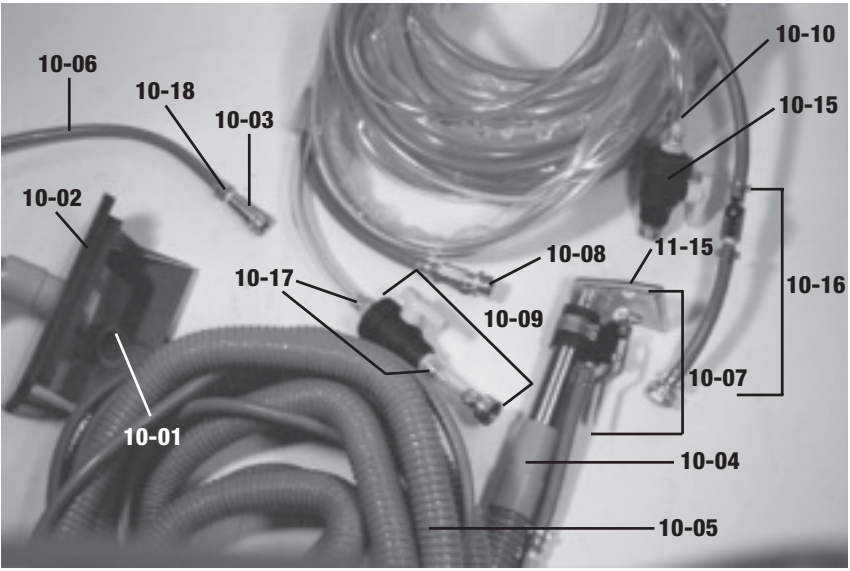
PARTS LIST

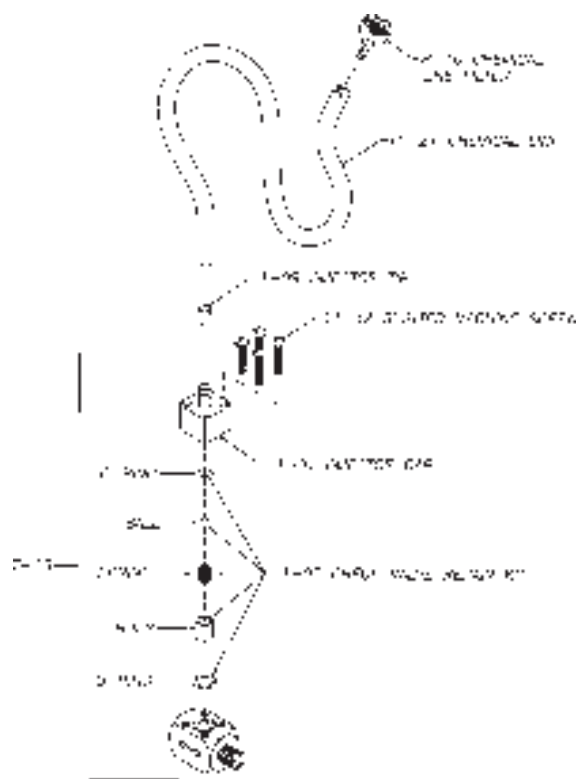
VIEW #	PART #	NAME
	<p>5-01 5-02 5-03 5-04 5-05 5-06</p>	<p>Water Channel Knurl Nuts Spray Jet Assembly Inner Lip Exhaust Flange Assembly Exhaust Flange Baffle Drain Plug</p>
<p>View 5: Underside of Machine</p>		
	<p>6-01 6-02 6-03 6-04 6-05 6-06 6-07 6-08 6-09 6-10 6-11 6-12 6-13</p>	<p>Handle Grip Hose Hanger Control Panel (Front Plate) Jet Spray Toggle Switch & Boot Vacuum Motor Toggle Switch & Boot Jet Spray Push Button Switch Defoamer Push Button Switch Indicator Light & Clip Holster Control Panel Rivet Control Panel Mounting Bolt Defoamer 90 degree Nylon Fitting Defoamer Straight Nylon Fitting</p>
<p>View 6: Top Half of Handle</p>		

PARTS LIST

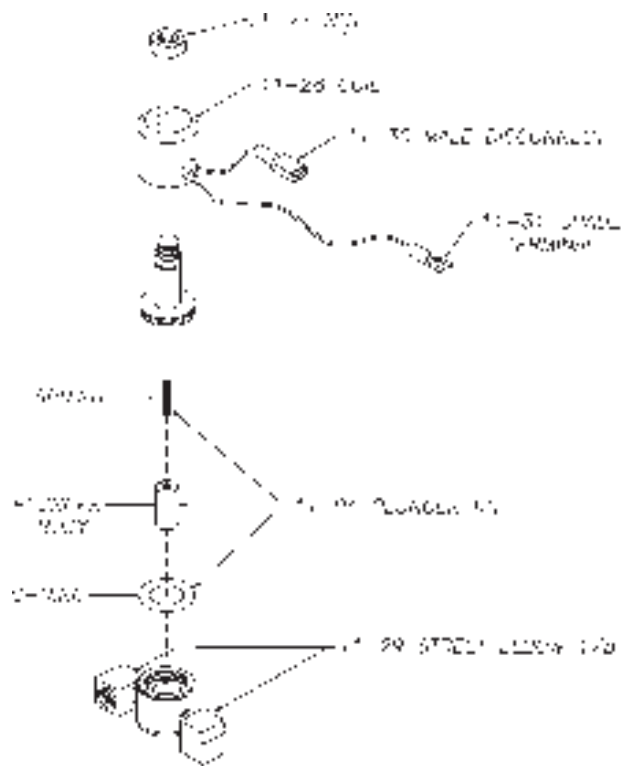
VIEW #	PART #	NAME
 <p>View 7: Bottom Half of Handle</p>	7-01	Left Chemical Tray Support
	7-02	Chemical Tray
	7-03	Right Chemical Tray Support
	7-04	Chemical Tray Nut
	7-05	Defoamer Chemical Line (Short)
	7-06	Defoamer Chemical Line (Long)
	7-07	Defoamer Quart Bottle (Prepped & Labeled)
	7-08	Prespray Quart Bottle (Prepped & Labeled)
	7-09	Spotting Bottle
	7-10	Instruction Card
	7-11	Prespray Extension
	7-12	Prespray Plug
	7-13	Chemical Injector (see page 17 for detail)
	7-14	Prespray Chemical Line with Strainer
7-15	Quart Bottle & Cap (not shown)	
7-16	7" Cinch Strap	
11-14	Bottle Cap & Grommet	
 <p>View 8: Back of Handle & Prespray Hose</p>	8-01	Defoamer Solenoid Assembly (see page 17 for detail)
	8-02	Control Panel Back Plate (not shown)
	8-03	Control Panel Terminal Block
	8-04	Back Plug
	8-05	Hose Guide
	8-06	Prespray Spray Jet
	8-07	Prespray Hose Assembly (see page 17 for detail)
	8-08	Prespray Socket Assembly
	8-09	Defoamer Inlet Tube
	8-10	Chemical Line Filter (located at end of tube)
	8-11	90° Street Elbow
	8-12	Screen Washer (inside swivel)
10-03	Socket	
11-03	Brass Prespray Assembly (see page 17 for detail)	

PARTS LIST

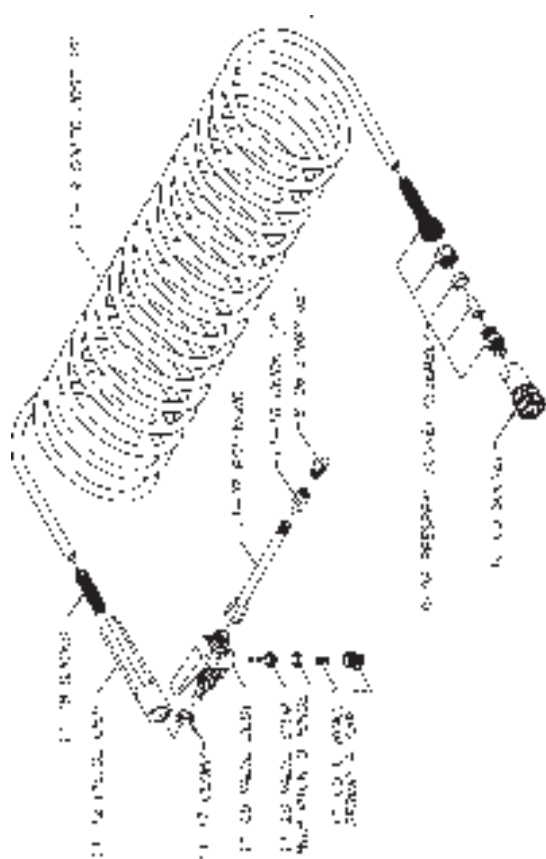
VIEW #	PART #	NAME
 <p>View 9: Back Half of Machine - Regular 50' Hoses (Chemical Tray Removed)</p>	9-01	Engine Compartment Cover w/sticker & Air Intake Filter
	9-02	Thumb Knobs
	9-03	Drain Line Hose Whip Swivel Fitting Assembly
	9-04	Machine Drain Valve Assembly
	9-05	Machine Pressure Valve Assembly
	9-06	Drain Hose
	9-07	Pressure Hose
	9-08	Hose Jacket
	9-09	Electric Cord 50 ft. (14GA-3 wire)
	9-10	Pressure Hose Whip Swivel Fitting
	9-11	Supply Hose Valve 1/4"
 <p>View 10: 50 Ft. Hose & Dual Head Stair/Furniture Tool Assembly</p>	10-01	Hand Tool Window Channel
	10-02	Vacuum Block Gasket
	10-03	Socket
	10-04	Hose Cuff
	10-05	Vacuum Hose 1 1/2 " (25 ft.)
	10-06	Pressure Hose 25 Ft. with Sockets on Both Ends
	10-07	Hand Tool (Specify Stair or Upholstery)
	10-08	Pressure Valve Male Assembly
	10-09	Drain Valve Female Assembly
	10-10	Drain Hose 50 Ft.
	10-11	Pressure Hose 50 Ft.
	10-12	50 Ft. Section Extra Hoses
	10-13	Stair Tool Assembly (Single Head)
	10-14	Stair/Furniture Tool Assembly (Dual Head)
	10-15	Male Drain Valve Assembly
	10-16	Female Pressure Valve
	10-17	3/4" Ear Clamp
10-18	5/8" Ear Clamp	
10-19	50' Regular Supply, Drain & Power Cord Assembly (not pictured)	
11-15	Hand Tool Head Only	
12-01	Special Order Parts	



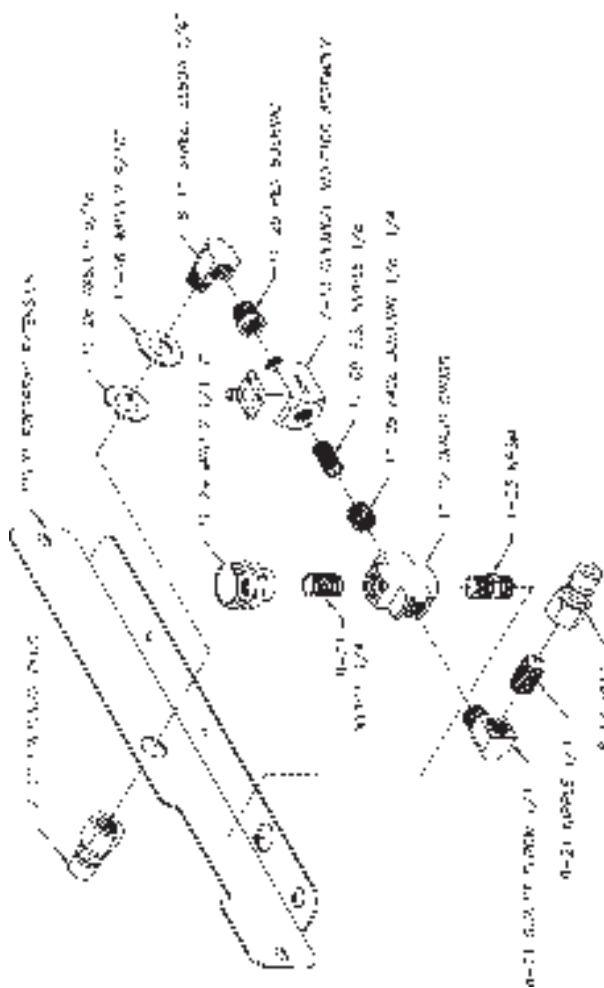
2 TO COMPLETE ASSEMBLY



3 TO COMPLETE ASSEMBLY



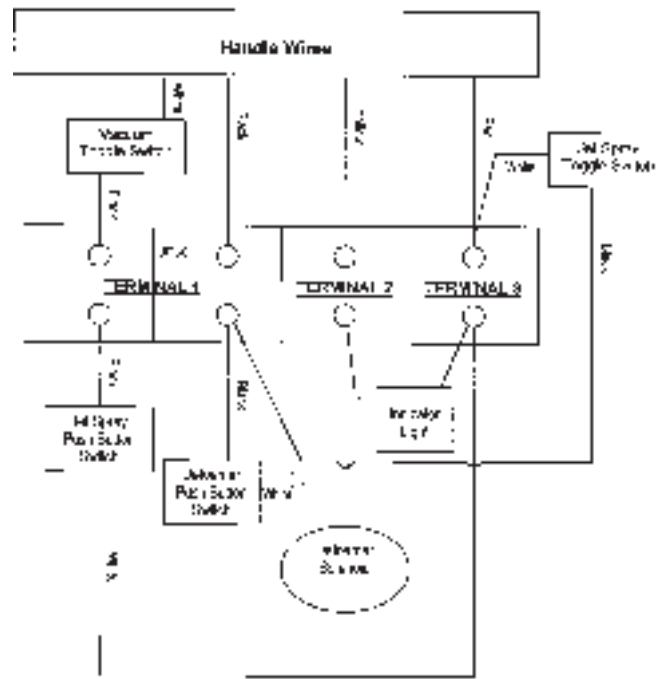
4 TO COMPLETE ASSEMBLY



5 TO COMPLETE ASSEMBLY

1. Control Panel Terminal Block Diagram

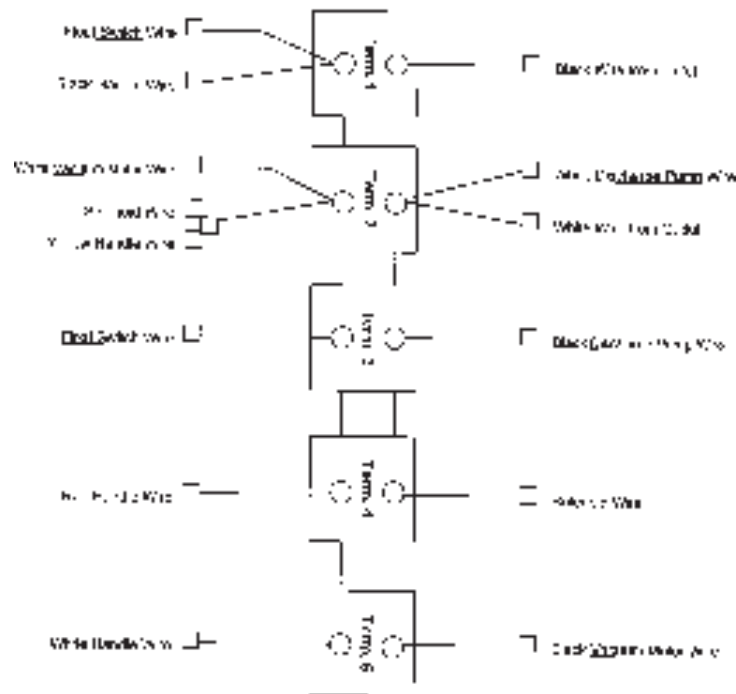
View from back of machine



□ Small square indicates a like connect terminal

2. Engine Compartment Terminal Block Diagram

View from back of machine



□ Small square indicates a like connect terminal