

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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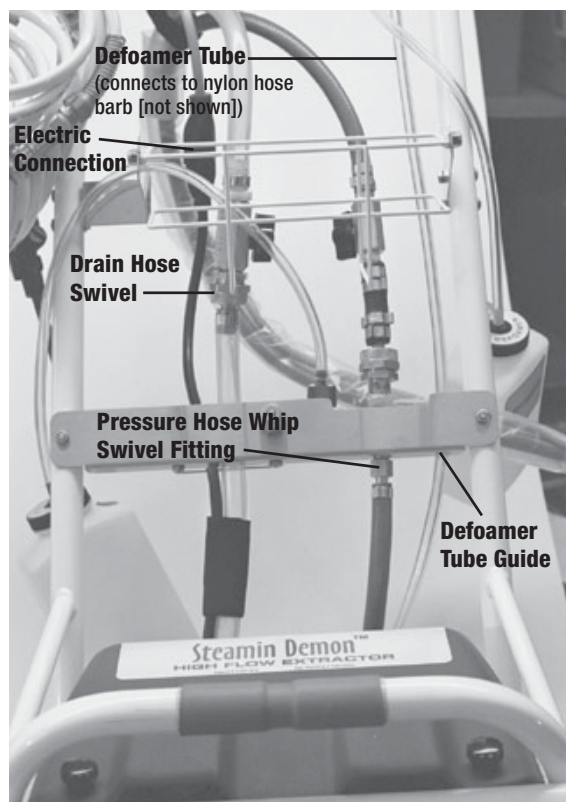


Figure 1

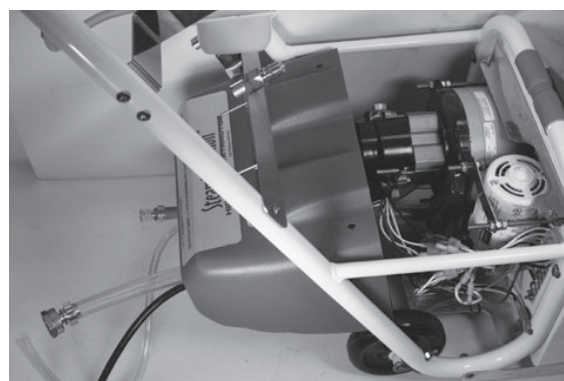


Figure 4

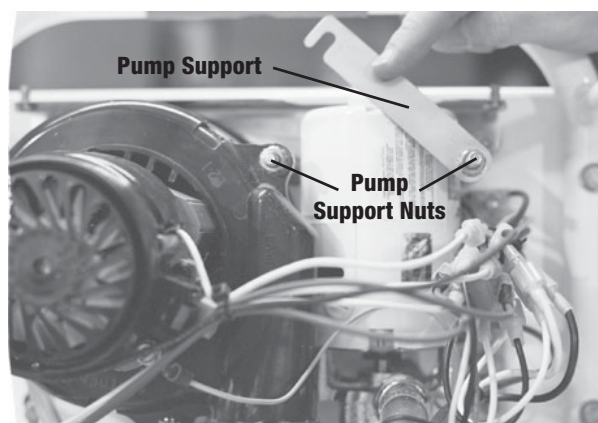


Figure 5

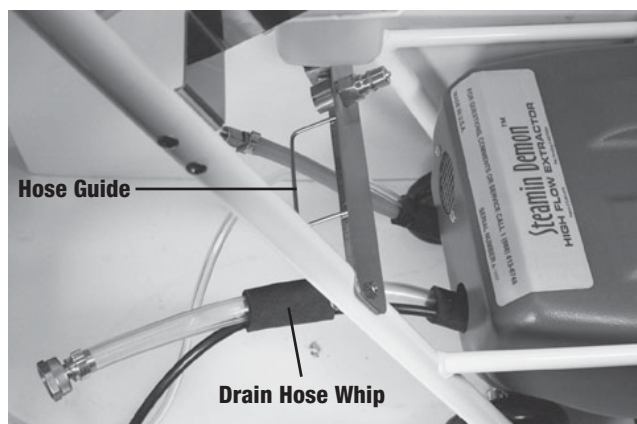


Figure 2

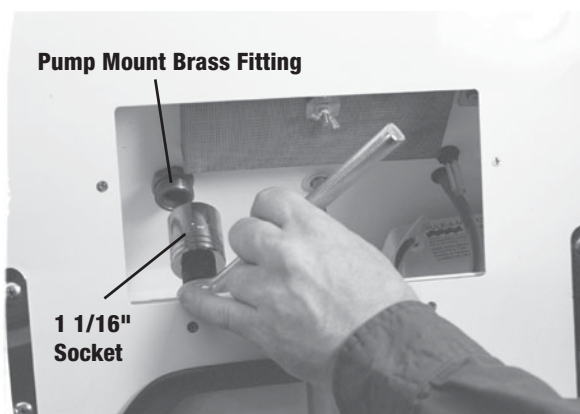


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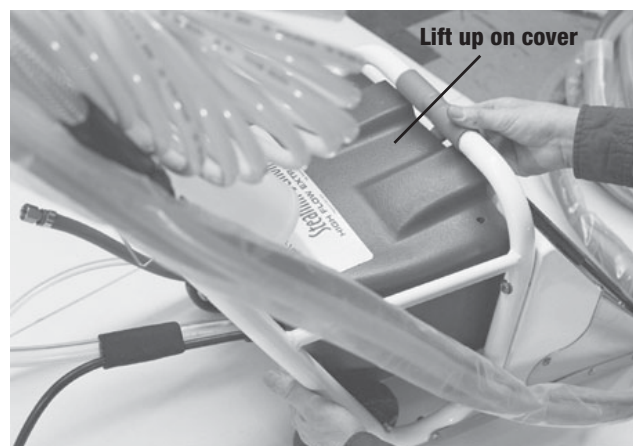


Figure 3

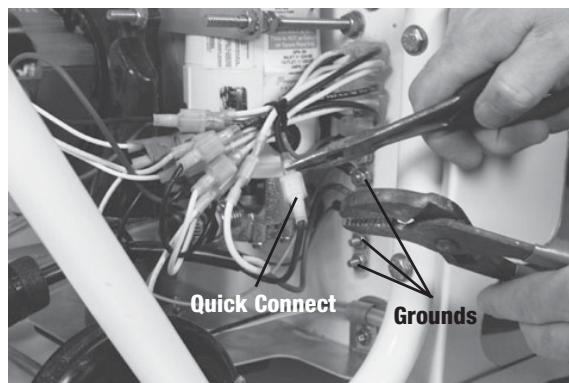


Figure 7

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).

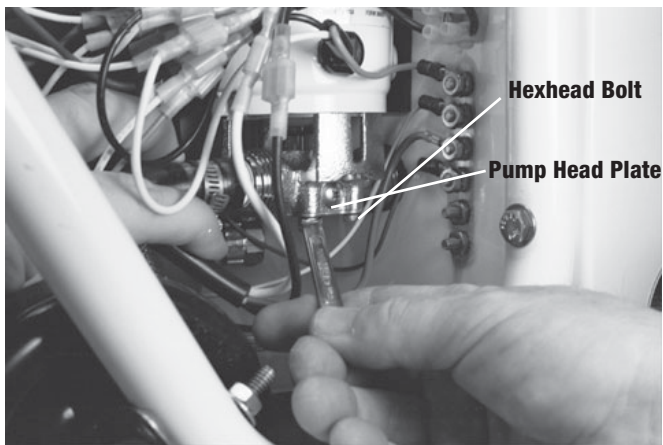


Figure 8

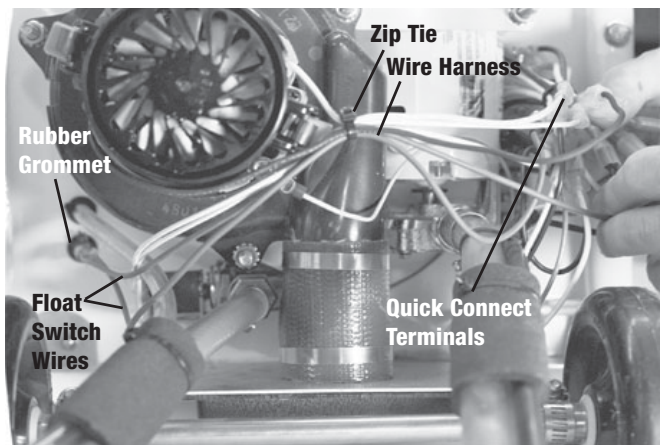


Figure 11

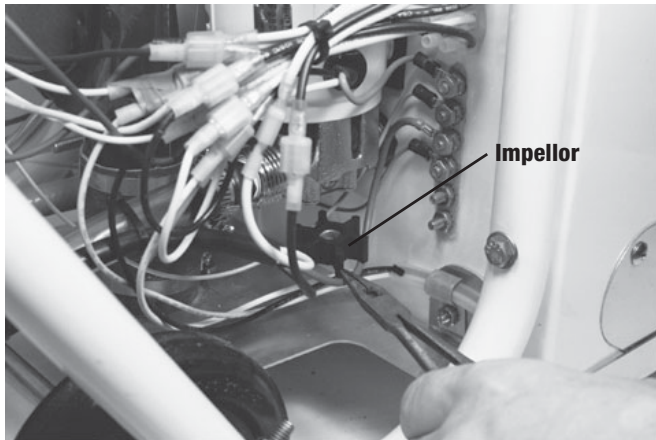


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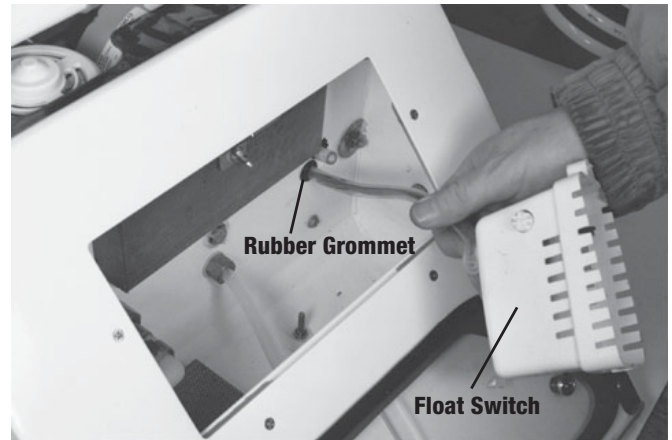


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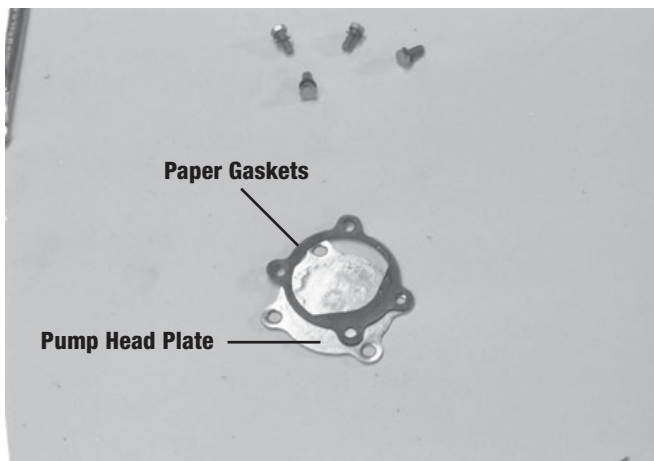


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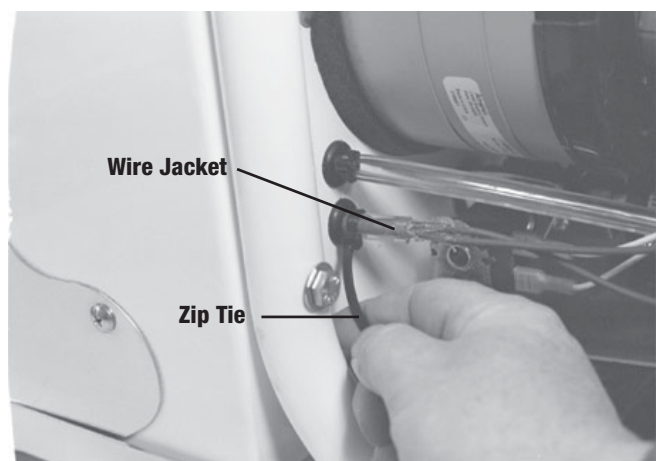


Figure 13

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.

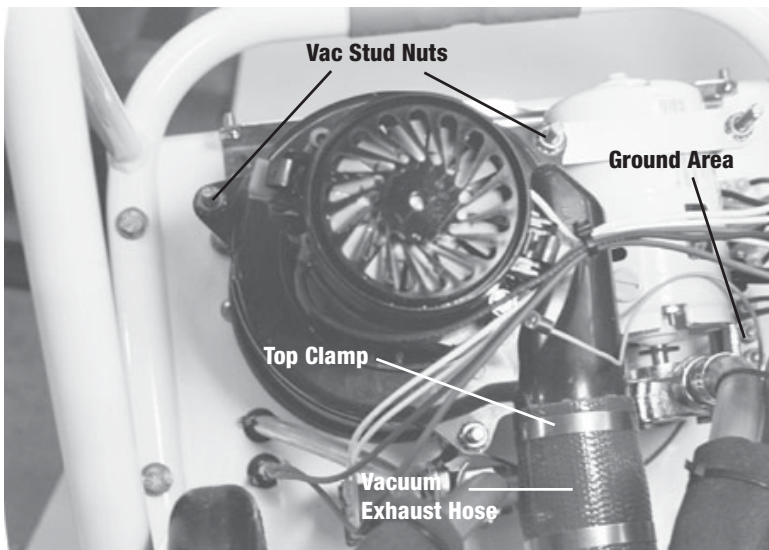


Figure 14

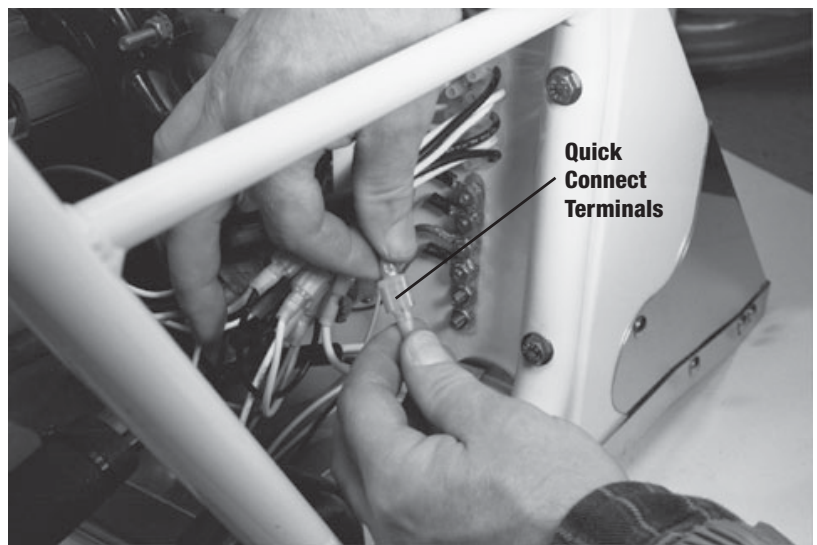


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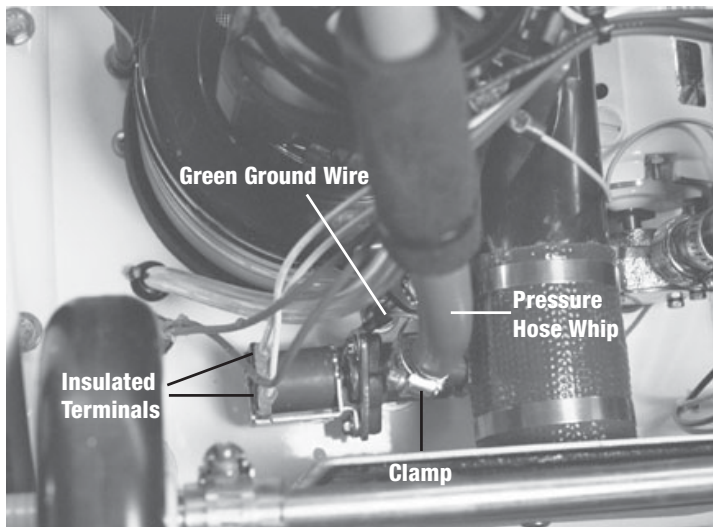


Figure 16

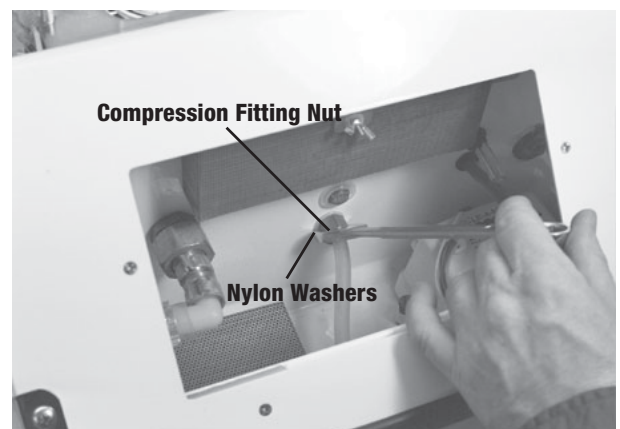


Figure 17

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

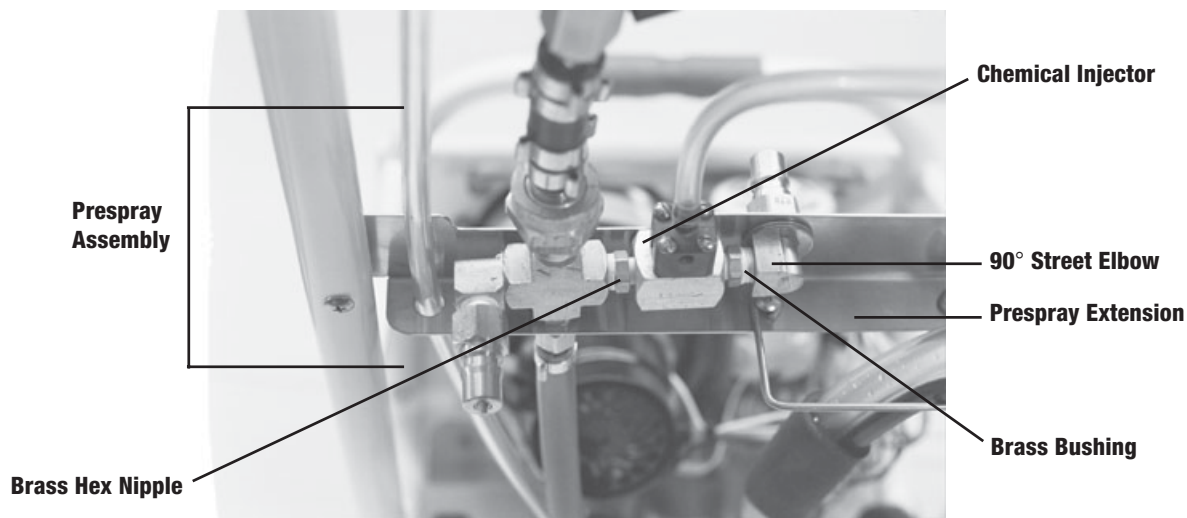


Figure 19

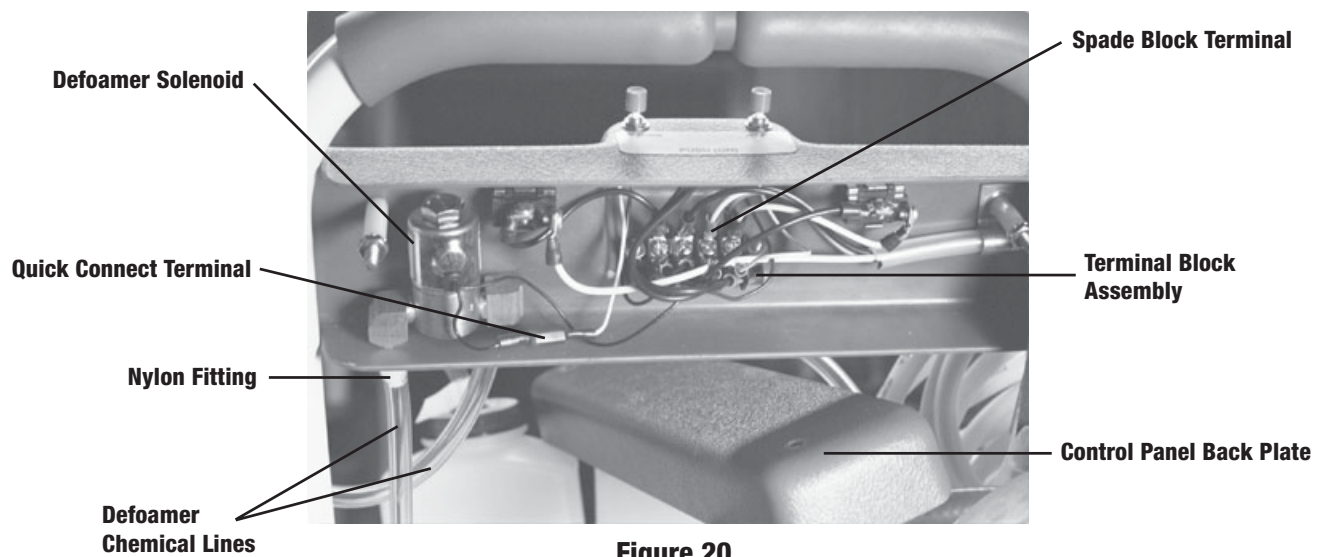


Figure 20

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).

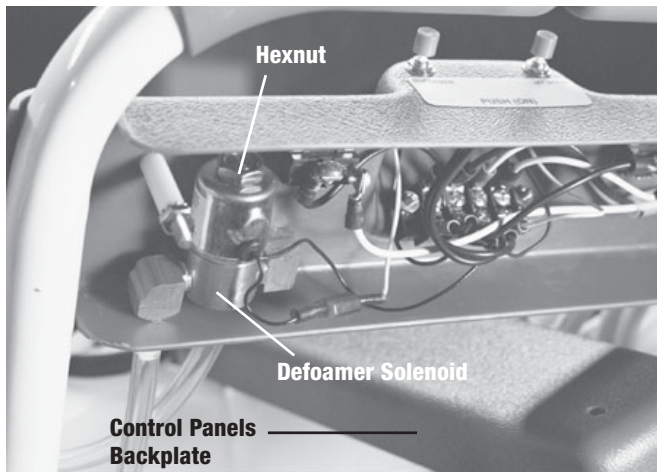


Figure 21

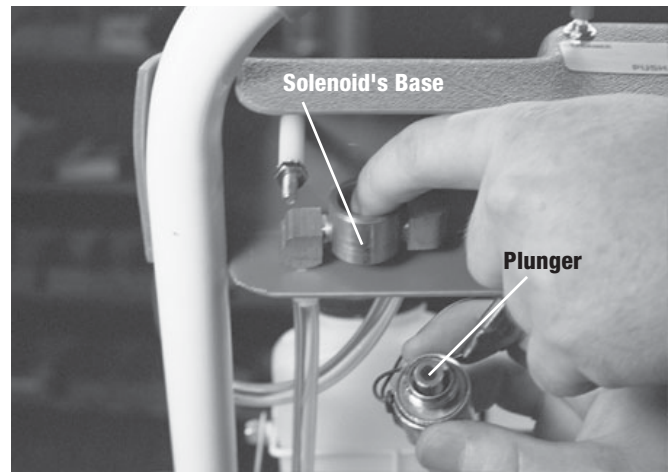


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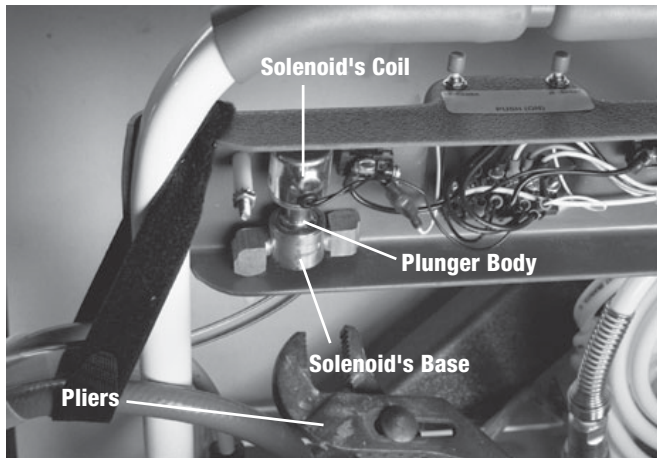


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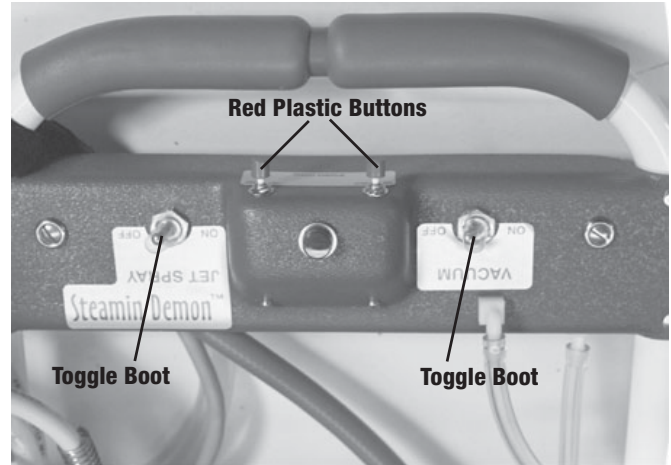


Figure 24

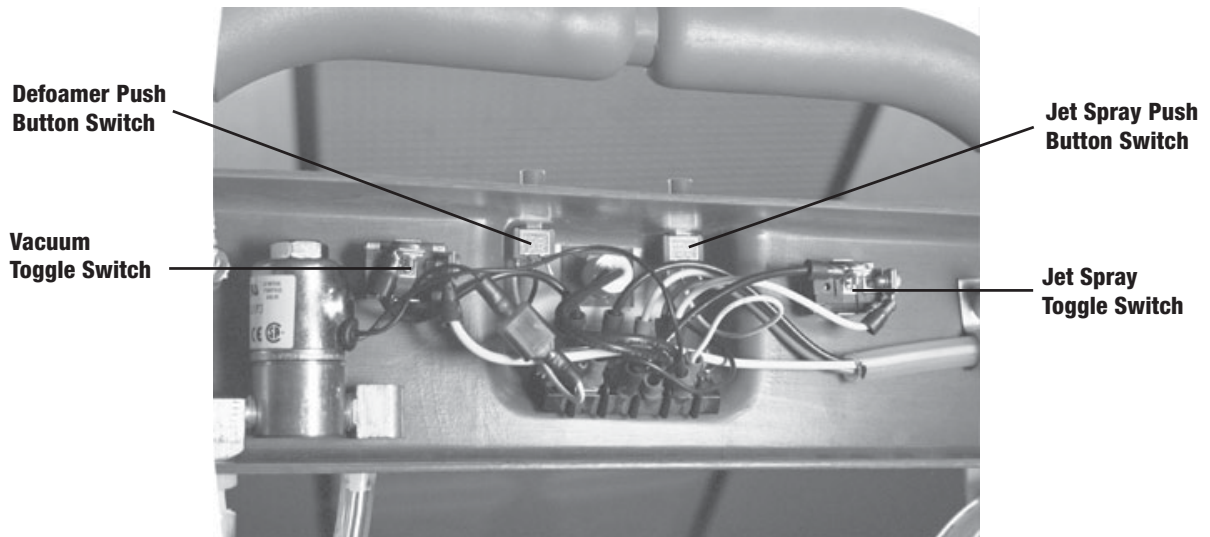


Figure 25

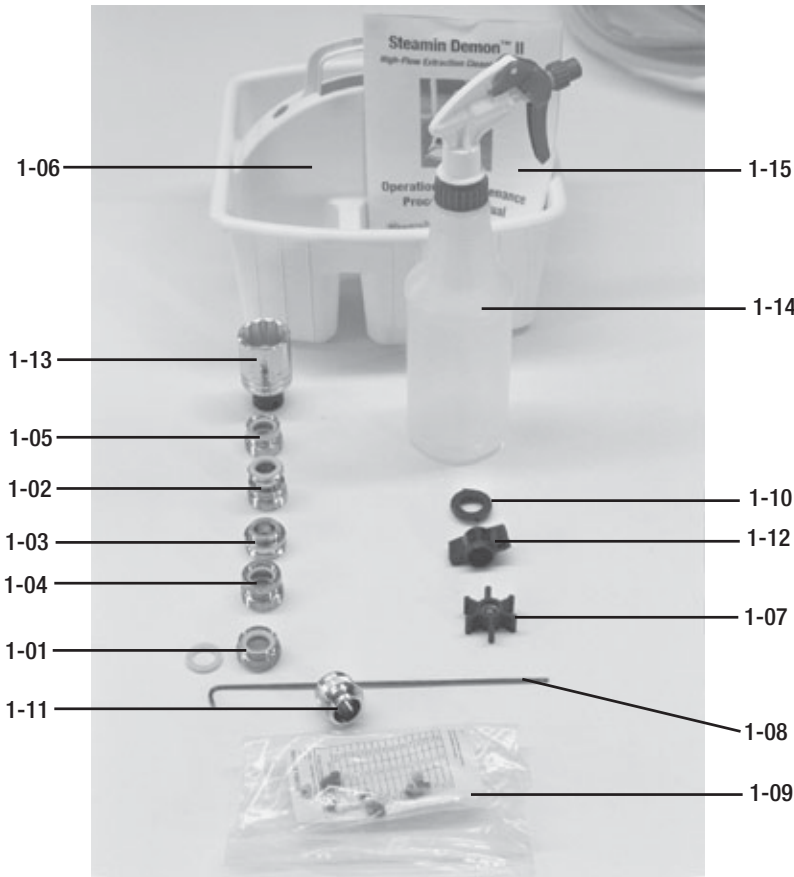
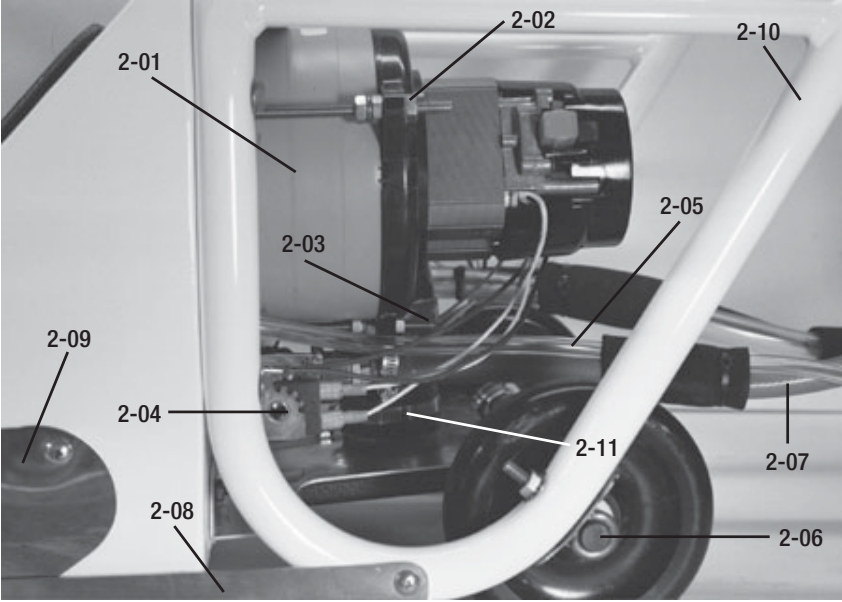
Cleaning Defoamer Solenoid

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.

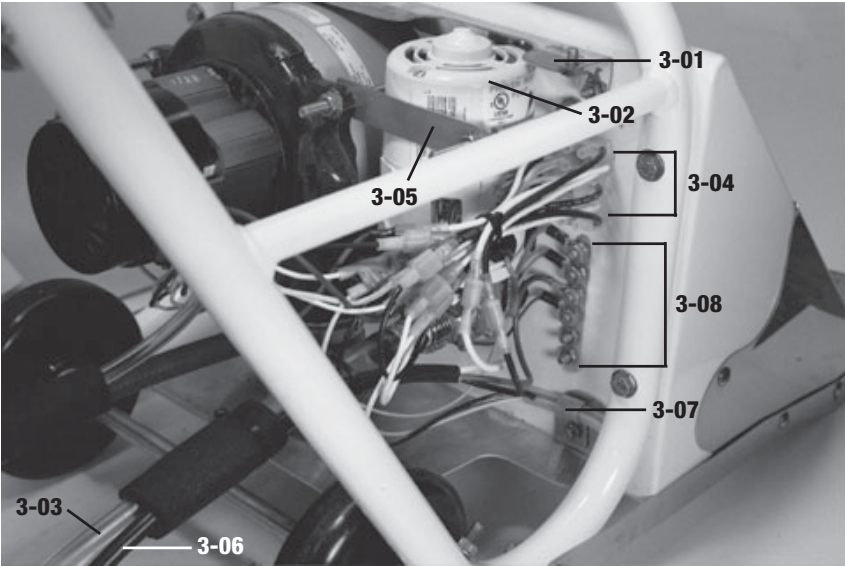
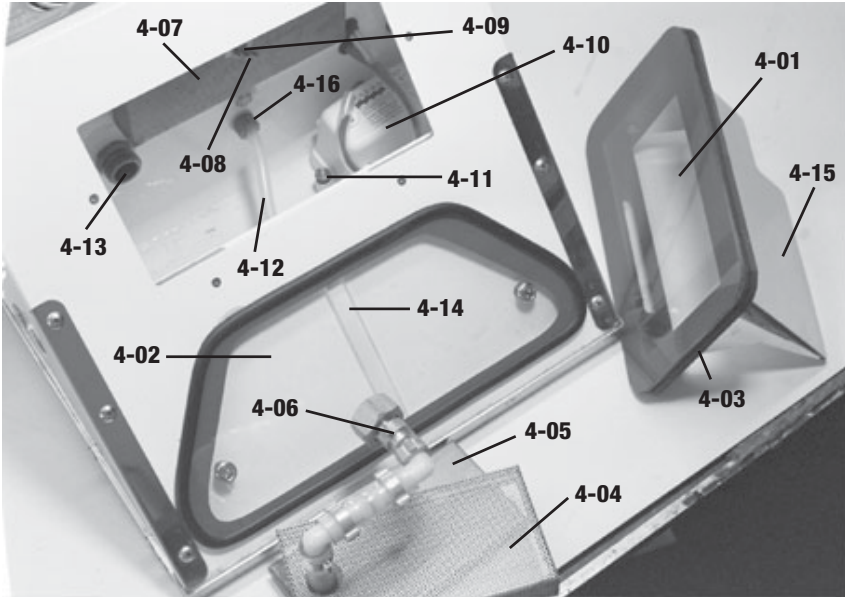
Removing and Replacing Switches

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.

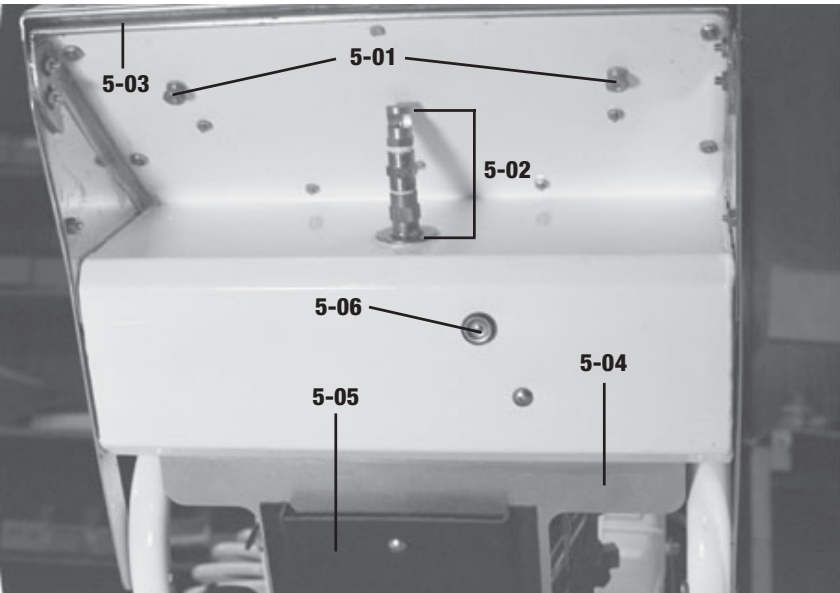
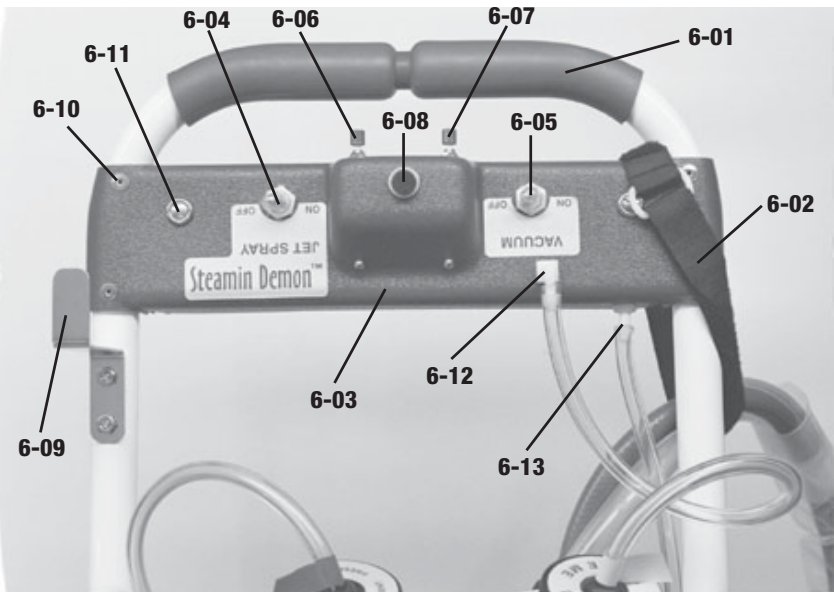
PARTS LIST

VIEW #	PART #	NAME
 <p>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 (caddy)
	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>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

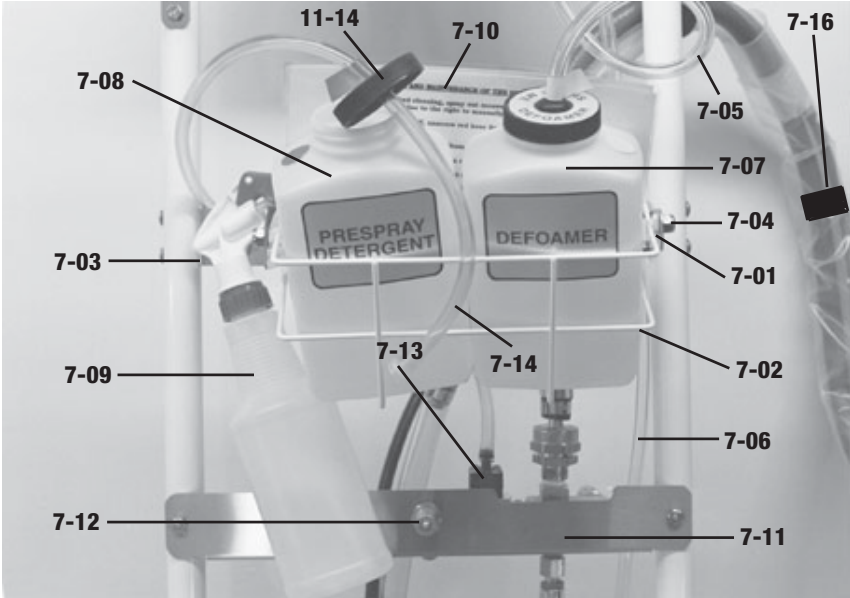
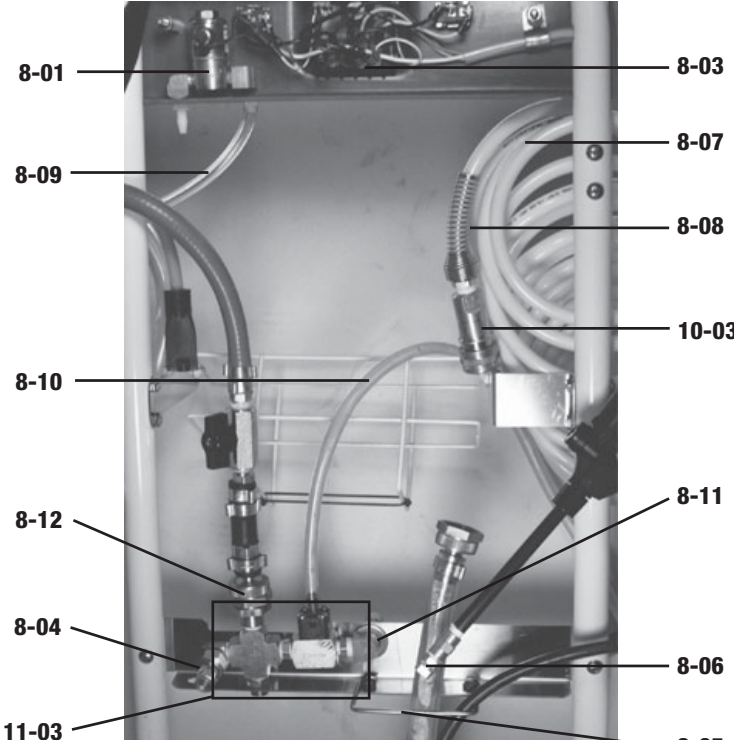
PARTS LIST

VIEW #	PART #	NAME
 <p>View 3: Right Side of Engine Compartment</p>	3-01	Dogbone
	3-02	Discharge Pump (Prepped & Assembled)
	3-03	Discharge Pump Hose Whip with Swivel
	3-04	Engine Compartment Terminal Block
	3-05	Pump Support
	3-06	Electric Plug
	3-07	Jiffy Clamp
	3-08	Grounds
 <p>View 4: Front View</p>	4-01	Window Channel (Off to Side) Assembly
	4-02	Water Channel Assembly
	4-03	Window Channel Inner Gasket
	4-04	Lint Filter (Off to Side)
	4-05	Primary Water Filters (Assembled)
	4-06	Water Filter Garden Hose Swivel Nut Assembly
	4-07	Air Filter
	4-08	Wing Nut
	4-09	Middle Brace
	4-10	Float Switch (Prepped)
	4-11	Knurl Nut
	4-12	Spray Jet Supply Line
	4-13	Pump Mount Brass Fitting
	4-14	Middle Channel
	4-15	Channel
	4-16	Compression Fitting

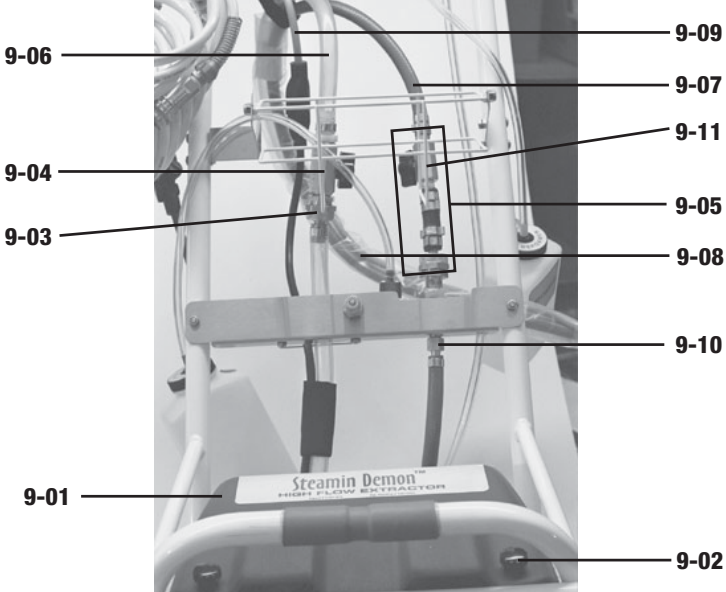
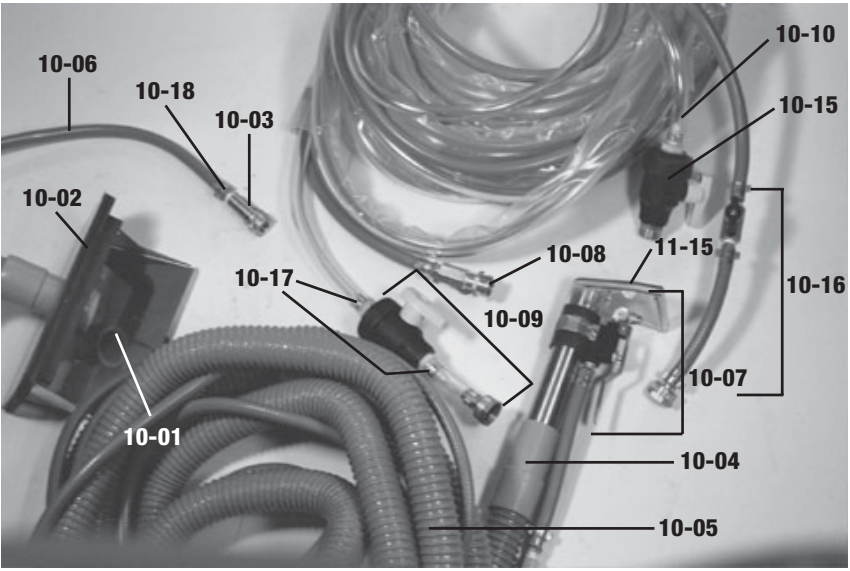
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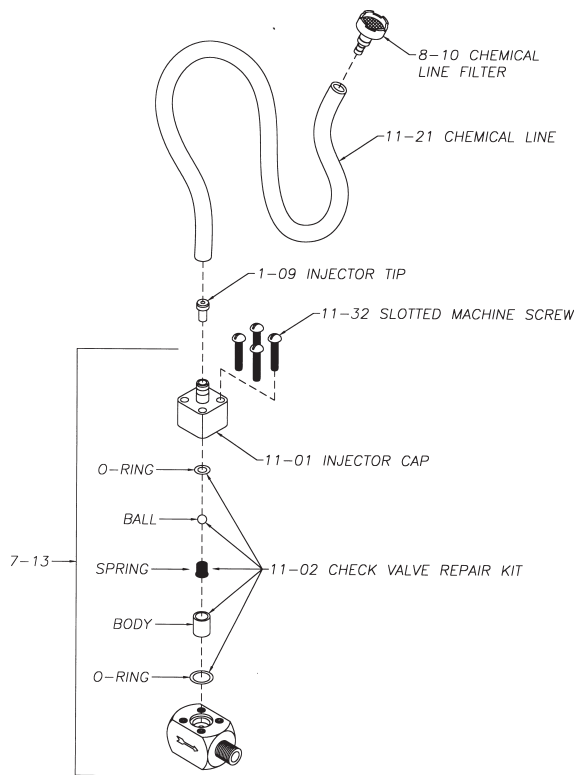
VIEW #	PART #	NAME
 <p>View 5: Underside of Machine</p>	5-01	Water Channel Knurl
		Nuts
	5-02	Spray Jet Assembly
	5-03	Inner Lip
	5-04	Exhaust Flange Assembly
	5-05	Exhaust Flange Baffle
	5-06	Drain Plug
 <p>View 6: Top Half of Handle</p>	6-01	Handle Grip
	6-02	Hose Hanger
	6-03	Control Panel (Front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

PARTS LIST

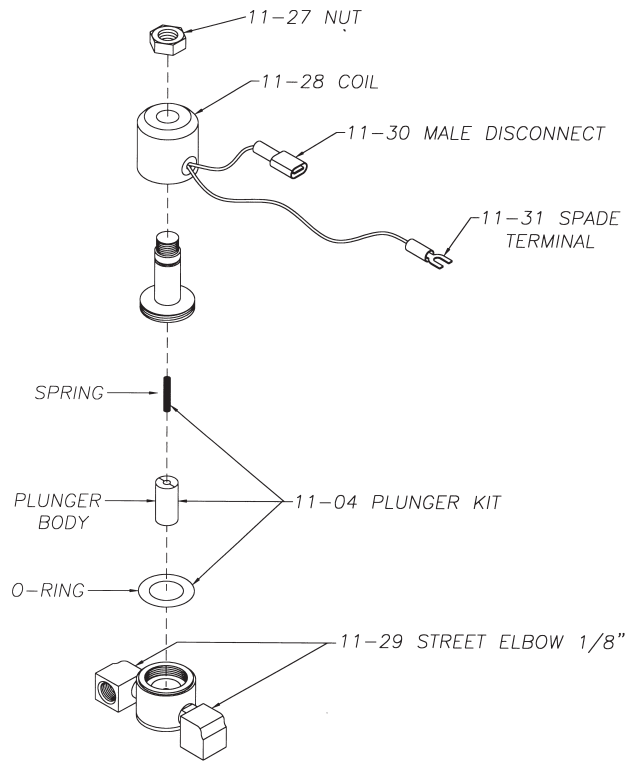
VIEW #	PART #	NAME
 <p>View 7: Bottom Half of Handle</p>	7-01	Left Chemical Tray Support
	7-02	Chemical Tray
	7-03	Right Chemical Tray Support
	7-04	Chemical Tray Nut
	7-05	Defoamer Chemical Line (Short)
	7-06	Defoamer Chemical Line (Long)
	7-07	Defoamer Quart Bottle (Prepped & Labeled)
	7-08	Prespray 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

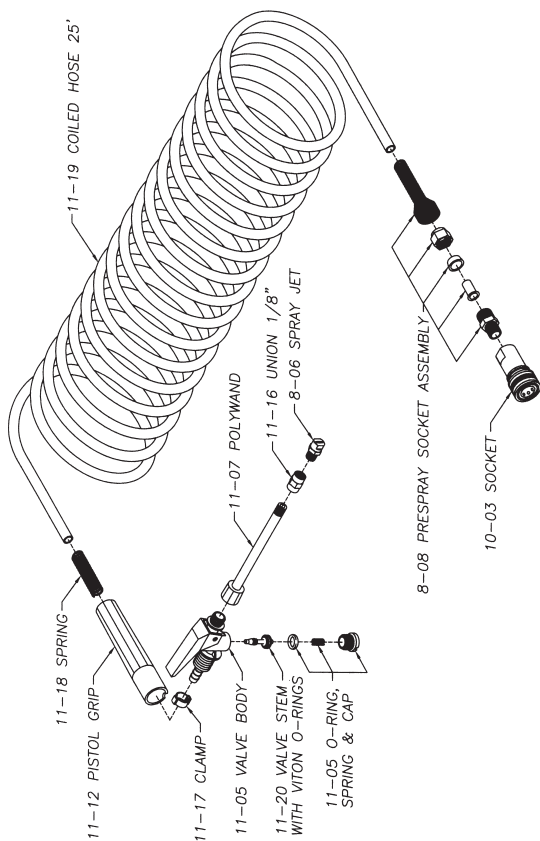
VIEW #	PART #	NAME
 <p>View 9: Back Half of Machine - Regular 50' Hoses (Chemical Tray Removed)</p>	9-01	Engine Compartment Cover w/sticker & Air Intake Filter
	9-02	Thumb Knobs
	9-03	Drain Line Hose Whip Swivel Fitting Assembly
	9-04	Machine Drain Valve Assembly
	9-05	Machine Pressure Valve Assembly
	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



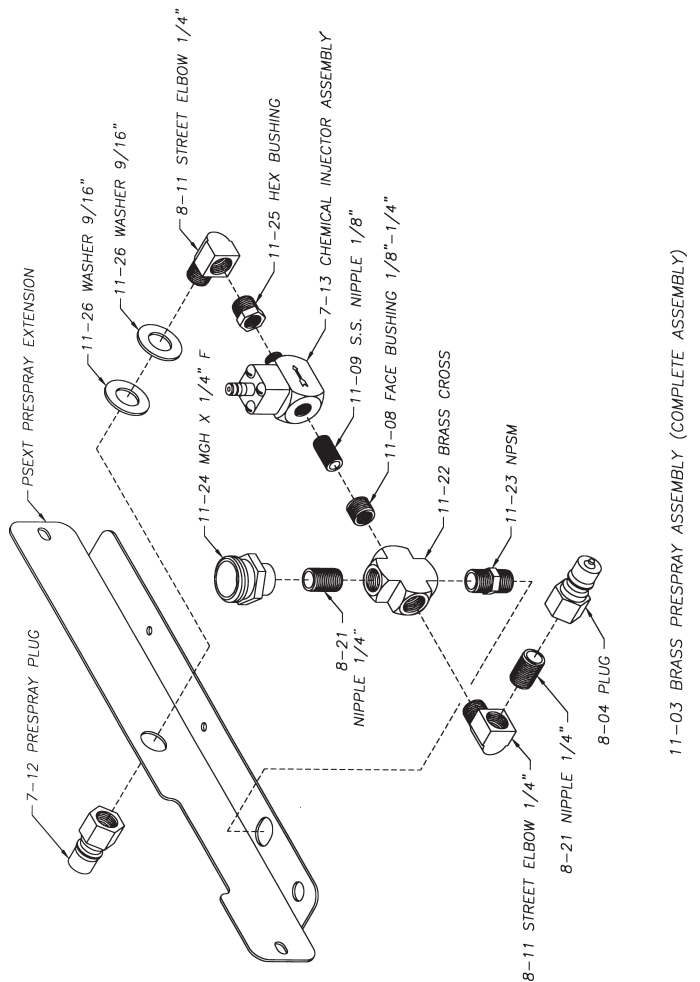
7-13 CHEMICAL INJECTOR (COMPLETE ASSEMBLY)



8-01 DEFOAMER SOLENOID (COMPLETE ASSEMBLY)



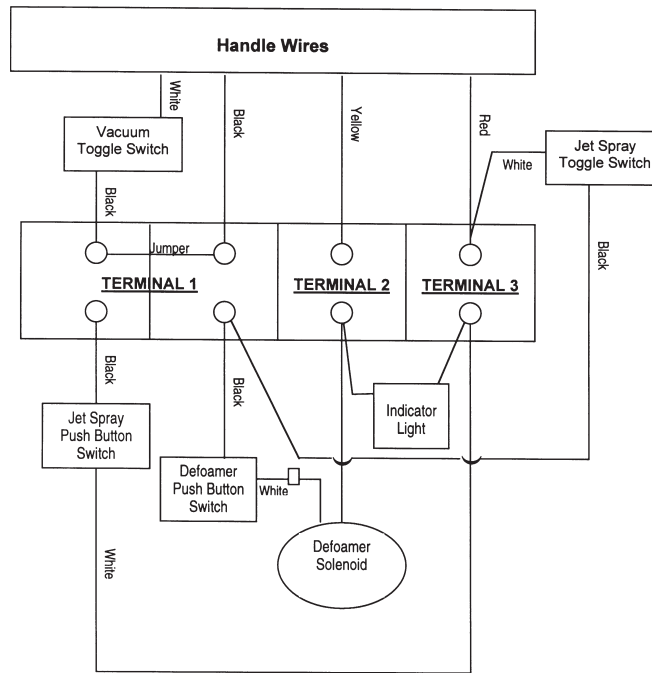
8-07 PRESPRAY HOSE ASSEMBLY (COMPLETE ASSEMBLY)



11-03 BRASS PRESPRAY ASSEMBLY (COMPLETE ASSEMBLY)

1. Control Panel Terminal Block Diagram

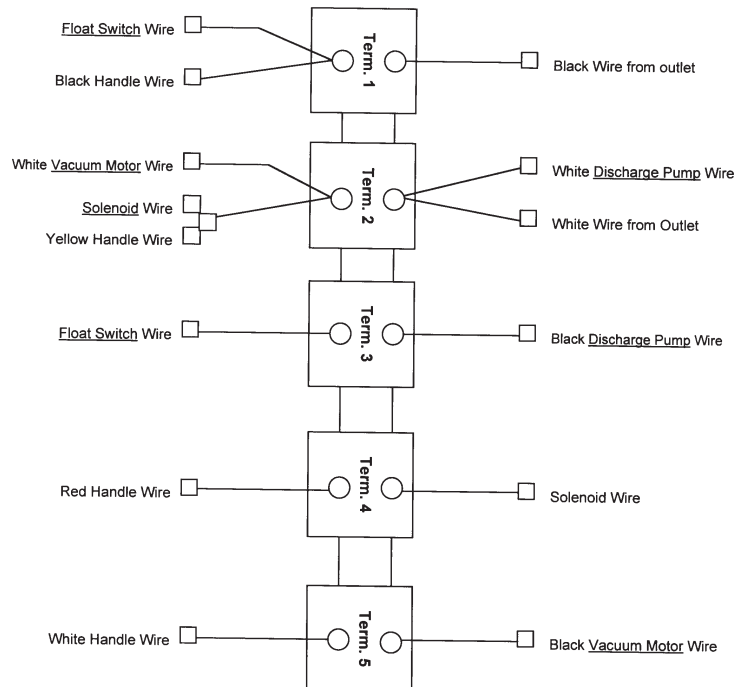
*view from back of machine



□ Small square indicates quick-connect terminal

2. Engine Compartment Terminal Block Diagram

*view from back of machine



□ Small squares indicates quick-connect terminal