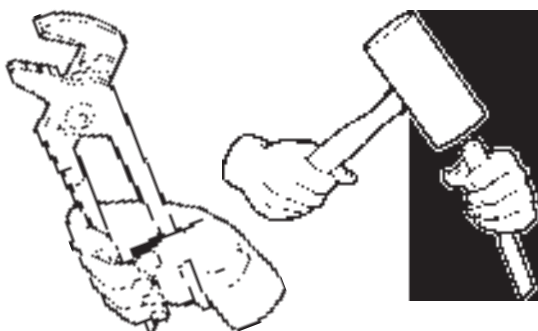


Steamin Demon® *XL15 & XL20*

High-Flow Carpet Cleaning System

Repair Manual & Parts List



Steamin Demon

For technical assistance or to
order parts, call toll-free

1-888-413-6748

Fax: 740-587-1394, Email: info@steamindemon.com

NOTES

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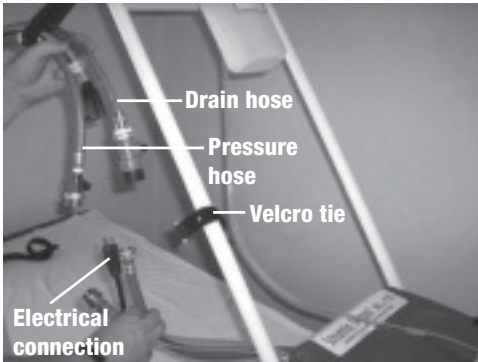


Figure 1: Removing hoses

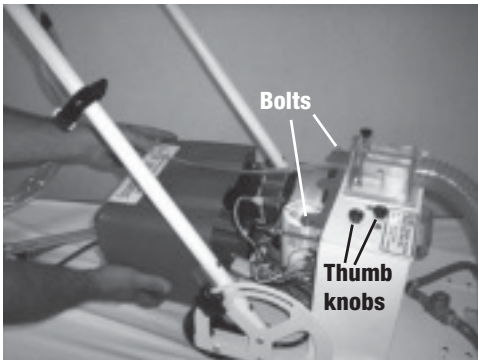


Figure 2: Removing engine compartment cover

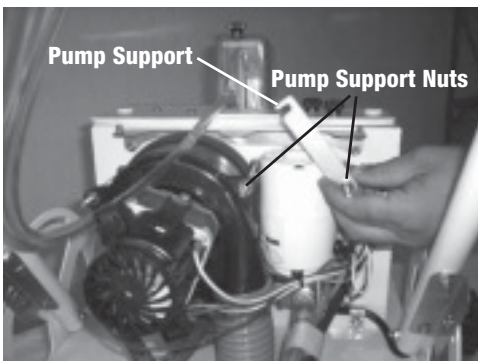


Figure 3: Loosening pump support

Removing Engine Compartment Cover

1. Unplug machine at outlet.
2. Unswivel both pressure hose and drain hose swivel (fig. 1). Unplug electrical connection.
3. Unscrew black thumb knobs from top of engine compartment cover. Lift top of cover straight up off of bolts and pull it back (fig. 2).

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. 3).
4. Remove pump suction hose and use an 11/16" wrench or socket to remove the pump mount brass fitting (fig. 4).
5. Unscrew pump's ground wire and black and white wires from the terminal block. (Fig. 5).
6. Remove and replace pump (refer to page 16: Engine Compartment Terminal Block Diagram for wiring instructions).

Replacing Pump's Impellor

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to page 2: Removing Engine Compartment Cover).
3. Remove pump (refer to page 2: Removing Discharge Pump).
4. Remove pump head plate and pull impellor out of pump head with needle-nose pliers (fig 6).
5. Remove any debris (hair, lint etc.) that may have accumulated in pump head.
6. Insert new impellor.

RULE OF THUMB: When pump is new, the pump head plate is sealed with three paper gaskets (fig. 6). 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 2: Removing Engine Compartment Cover).

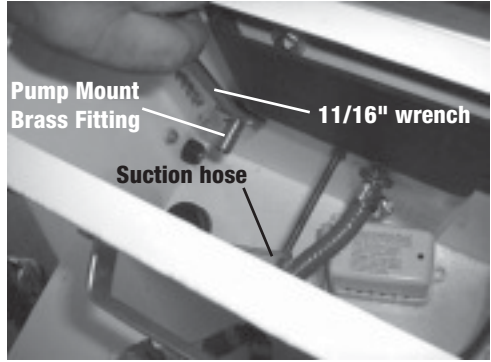


Figure 4: Removing pump

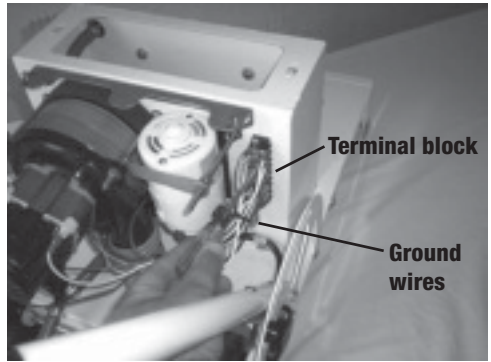


Figure 5

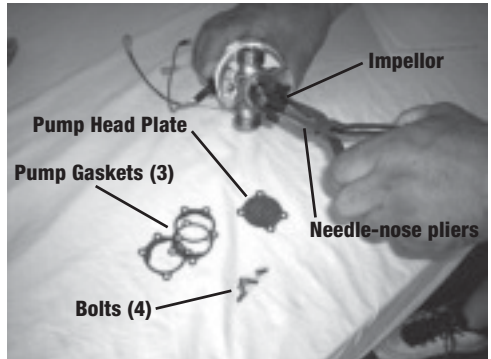


Figure 6: Replacing impellor

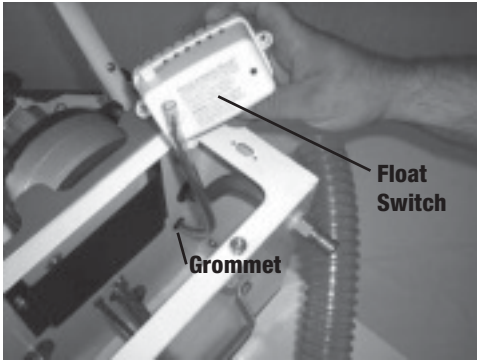


Figure 7: Removing float switch

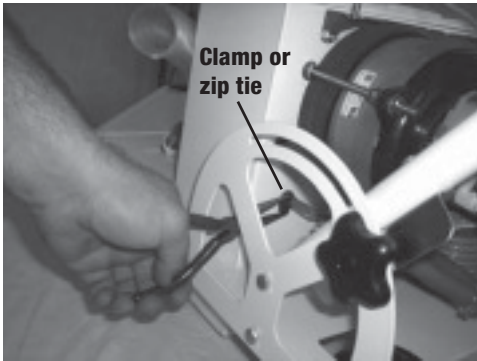


Figure 8: Reclamping float switch's wire jacket

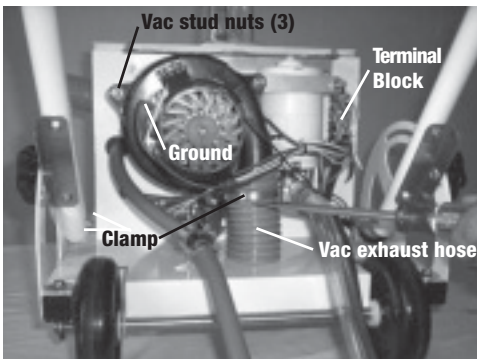


Figure 9

3. Locate the float switch's two electric wires and disconnect from terminal block.

4. Carefully cut zip ties from wire harness.

5. Remove brass thumb-nut from float switch and pull wires through rubber grommet (fig. 7).

6. Insert new float switch. Moisten float switch's wire jacket before pushing through rubber grommet. Once installed, firmly zip tie wire jacket as shown (fig. 8).

7. Zip tie wire harness.

8. Reattach terminals (refer to page 16: Engine Compartment Terminal Block Diagram).

9. Reattach float switch to the bottom of the recovery tank with the brass thumb nut.

Replacing Vacuum Motor

1. Unplug machine at outlet.

2. Remove engine compartment cover (refer to page 2: Removing Engine Compartment Cover).

3. Loosen clamp on vacuum exhaust hose (fig. 9).

4. Remove three vacuum stud nuts (fig. 9).

5. Remove ground terminal from vacuum motor (fig. 9).

6. Disconnect vacuum motor's wires at the terminal block (fig. 9).

7. Remove and replace vacuum motor. Reattach vacuum exhaust hose with clamp. Tighten vacuum motor back up with the vacuum stud nuts (do not over-tighten or you may crack the plastic mounting flanges on vacuum motor).

8. Reattach ground wire to vacuum motor and wires to terminal block (refer to page 16: Engine Compartment Terminal Block Diagram).

Replacing Solenoid

1. Unplug machine at outlet.
2. Remove engine compartment cover (refer to page 2: Removing Engine Compartment Cover).
3. Pull both insulated terminals off solenoid (fig. 11).
4. Loosen clamp and wiggle hose of barbed fitting (fig. 10). Use 9/16" wrench or socket to remove barbed fitting from solenoid.
5. Remove solenoid.
6. Loosen clamp and remove pressure hose whip (fig. 11).
7. Unscrew and remove green ground wire (fig. 11).
8. Reattach green ground wire and pressure hose whip on new solenoid.
9. Reattach solenoid.
10. Reattach the two insulated terminals to solenoid.

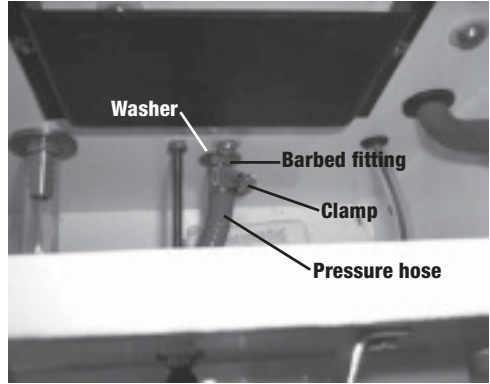


Figure 10: Removing solenoid

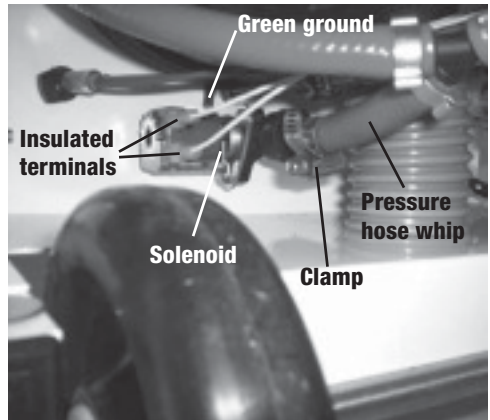


Figure 11: Removing solenoid

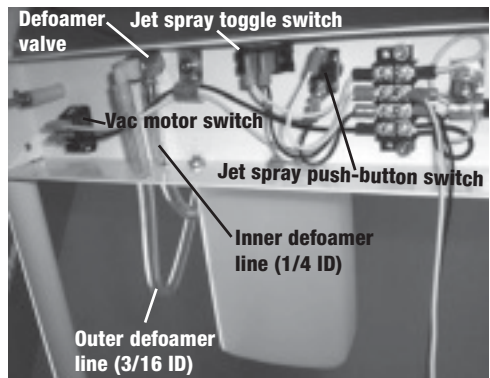
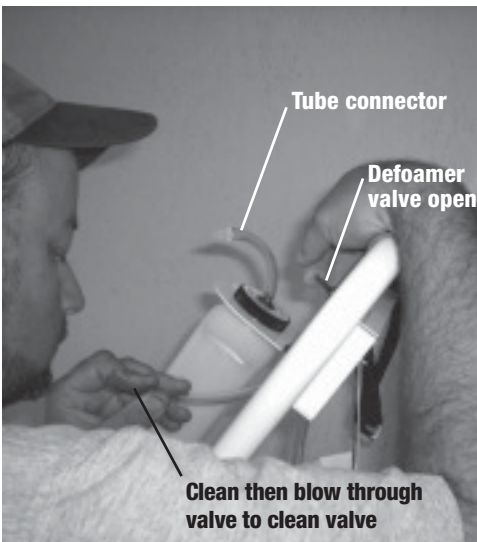


Figure 12



Figure 13



**Figure 14:
Cleaning defoamer valve**

Replacing Defoamer Valve

1. Unplug machine at outlet.
2. Remove back plate of control panel (fig. 12).
3. Wiggle both defoamer chemical lines off their nylon fittings (fig. 12).
4. Remove and replace defoamer valve. Make sure the top threads of valve are covered with the tightening nut. If not, the pin that holds the toggle paddle in the valve will loosen and fall out (fig. 13).

Cleaning Defoamer Valve

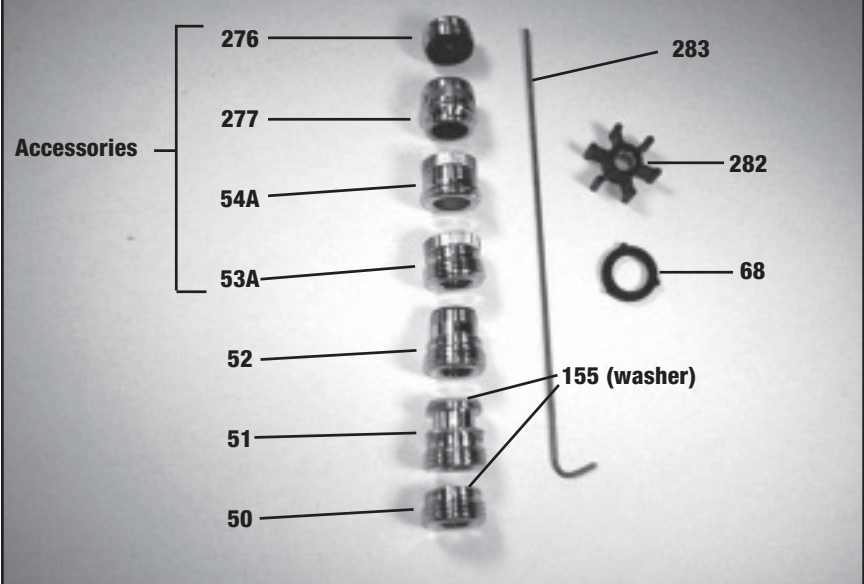
Pull loose the tube connector and wipe off the tube. Next, open the defoamer valve and blow through the tube to clean out the valve (fig. 14).

Removing and Replacing Switches

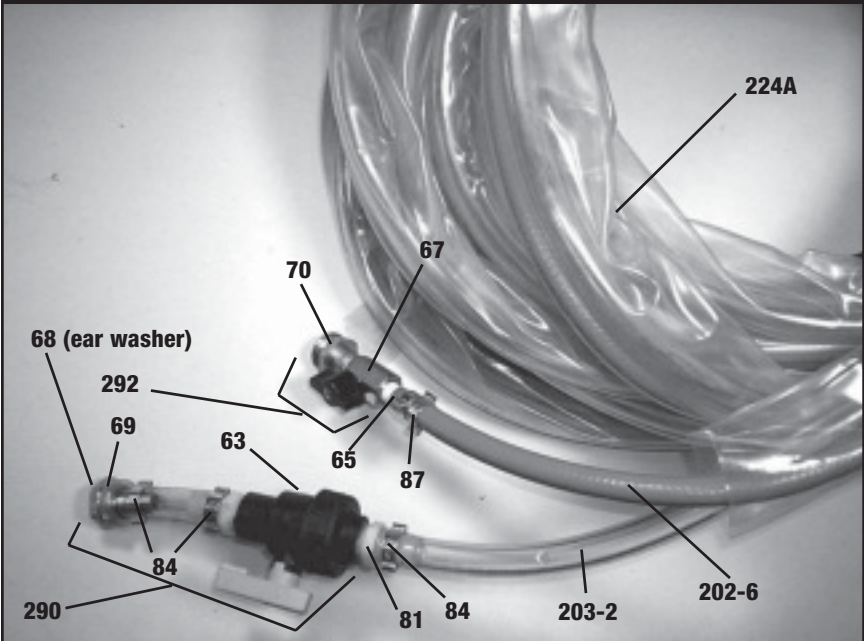
1. Unplug machine at outlet.
2. Remove backplate of control panel. Remove and replace the bad switch (fig. 12).
3. Important: Refer to page 16: Control Panel Terminal Block Diagram whenever removing and replacing any electrical switches.

PARTS LIST

VIEW 1

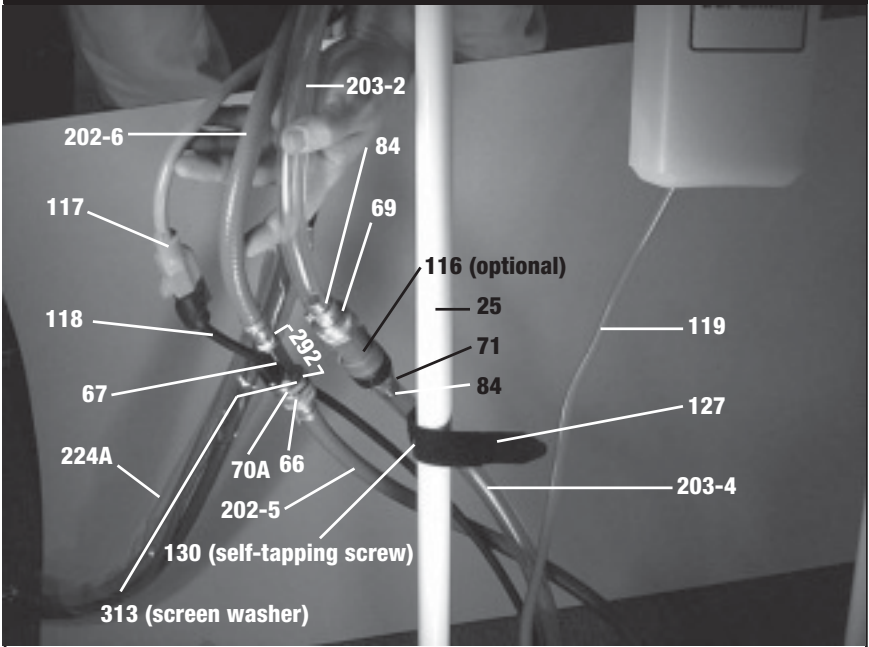


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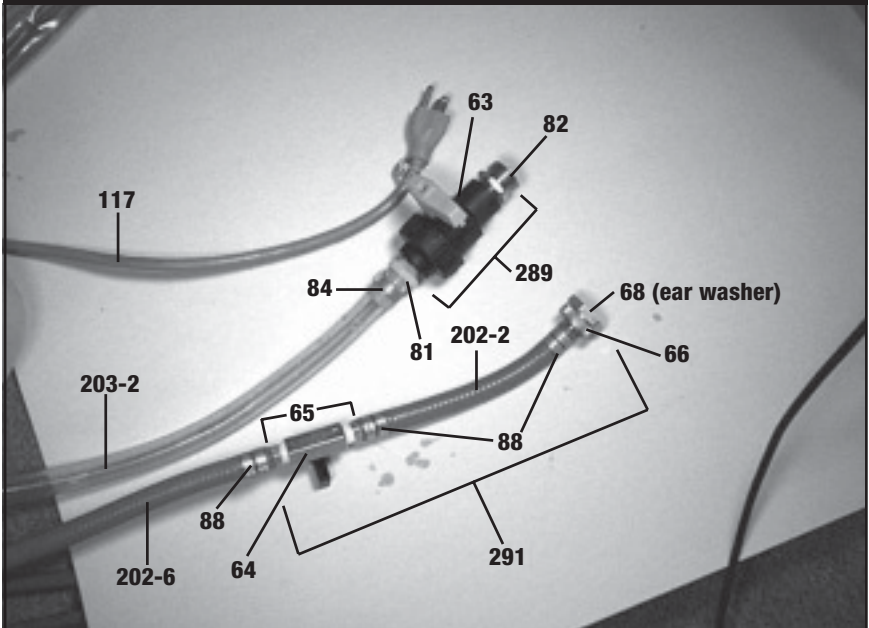


PARTS LIST

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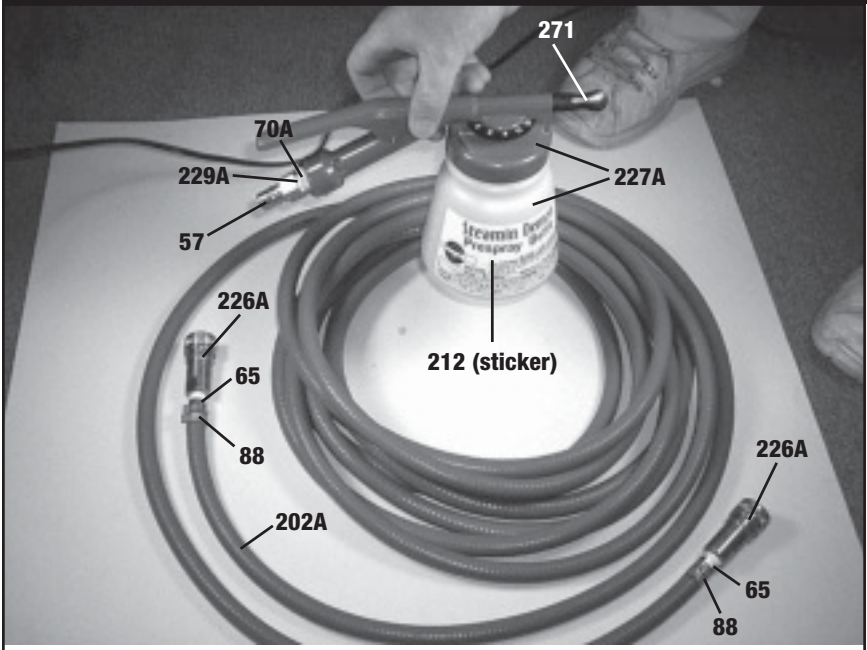


VIEW 4

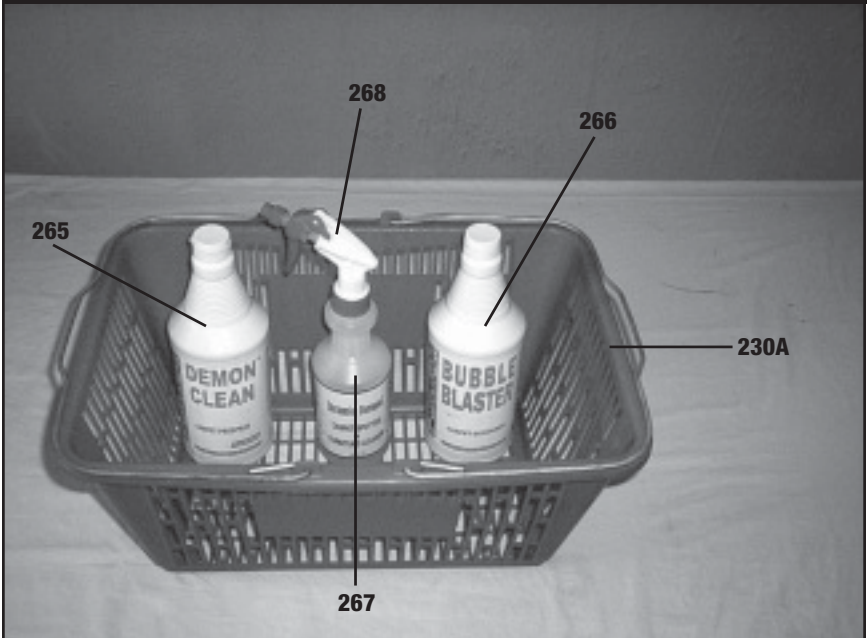


PARTS LIST

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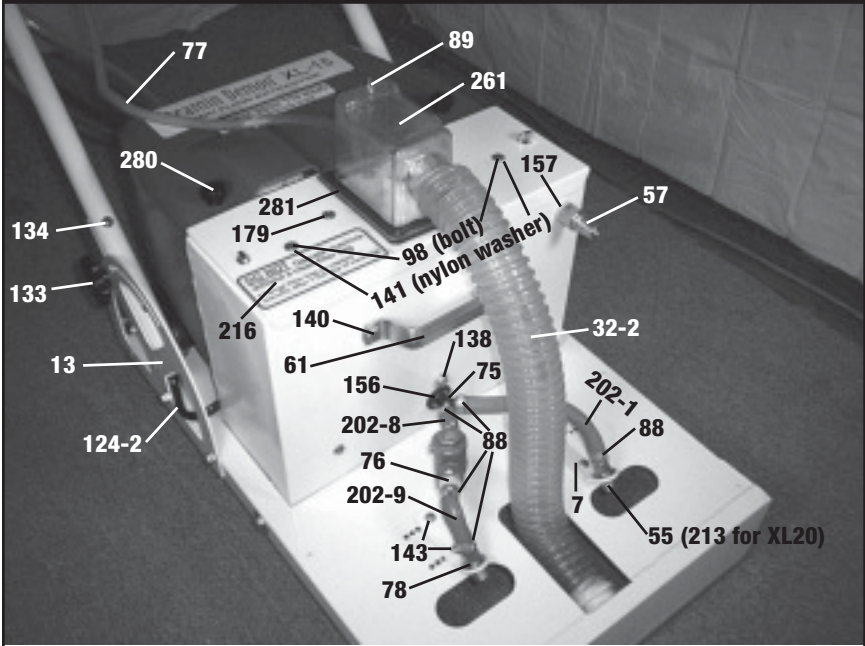


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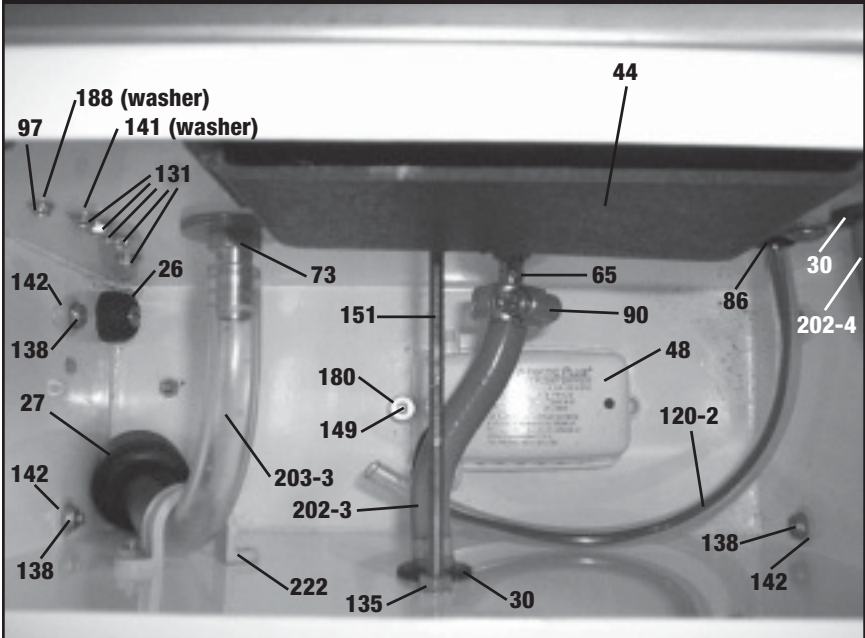


PARTS LIST

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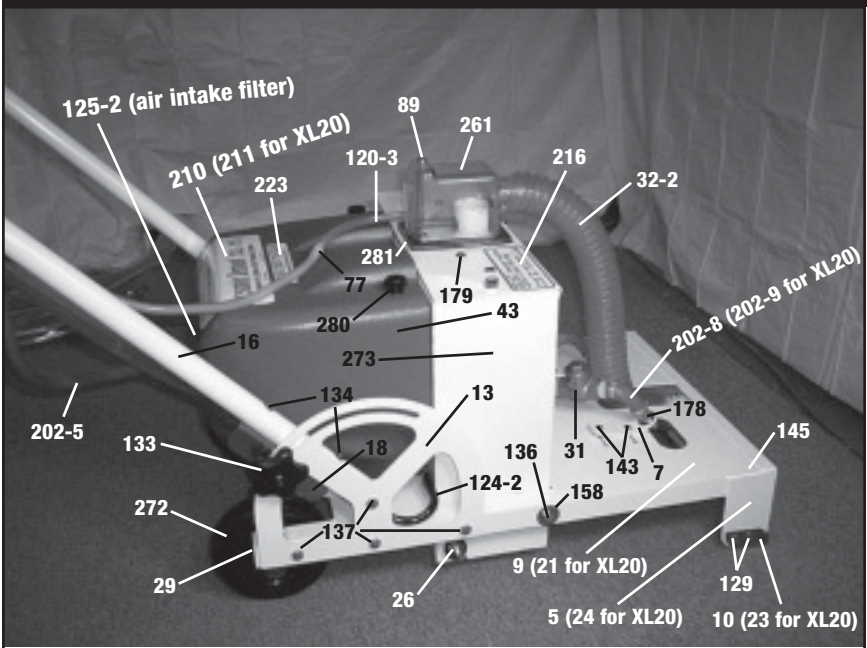


VIEW 8

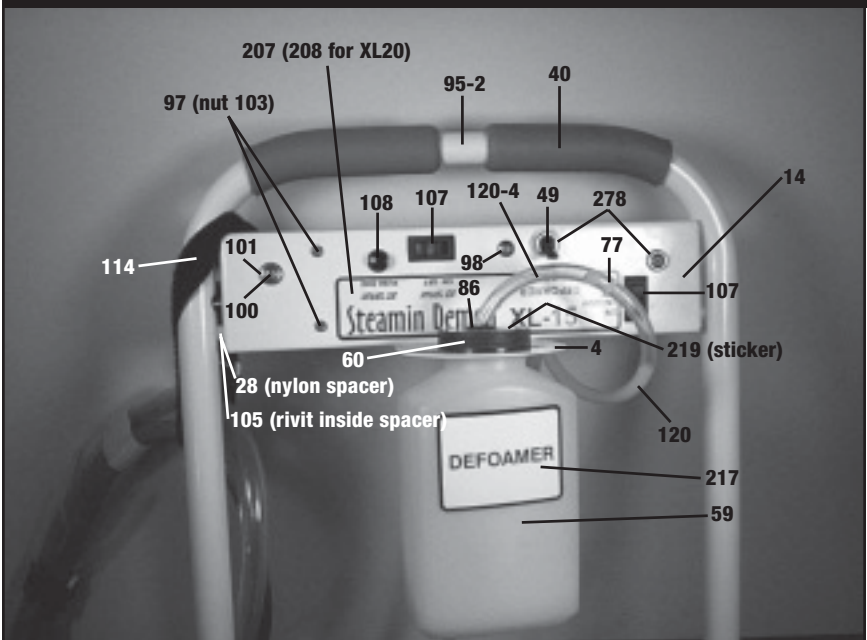


PARTS LIST

VIEW 9

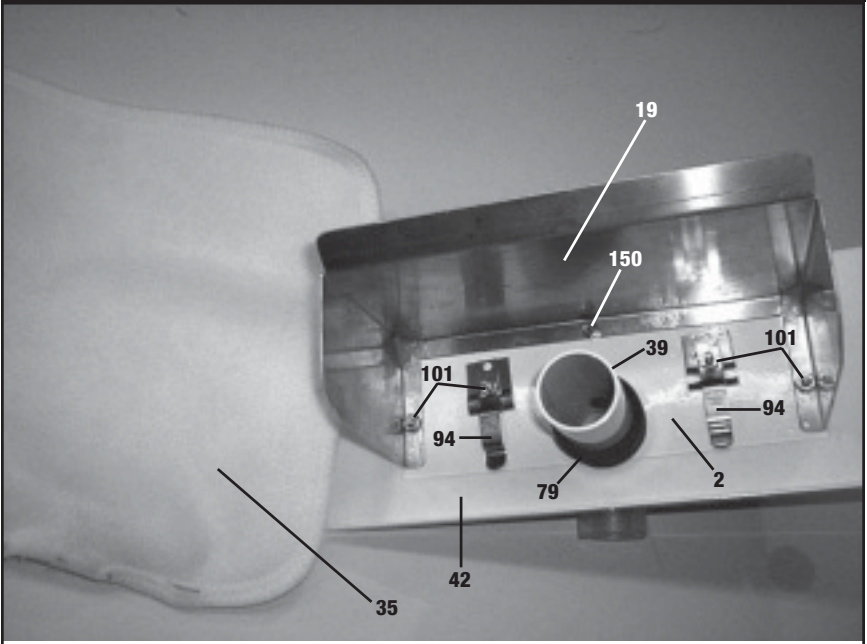


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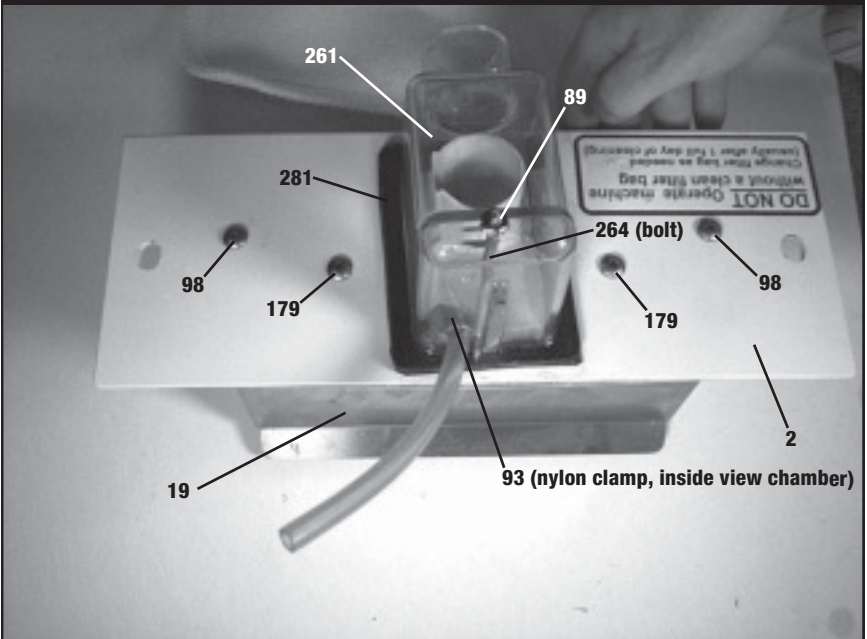


PARTS LIST

VIEW 11

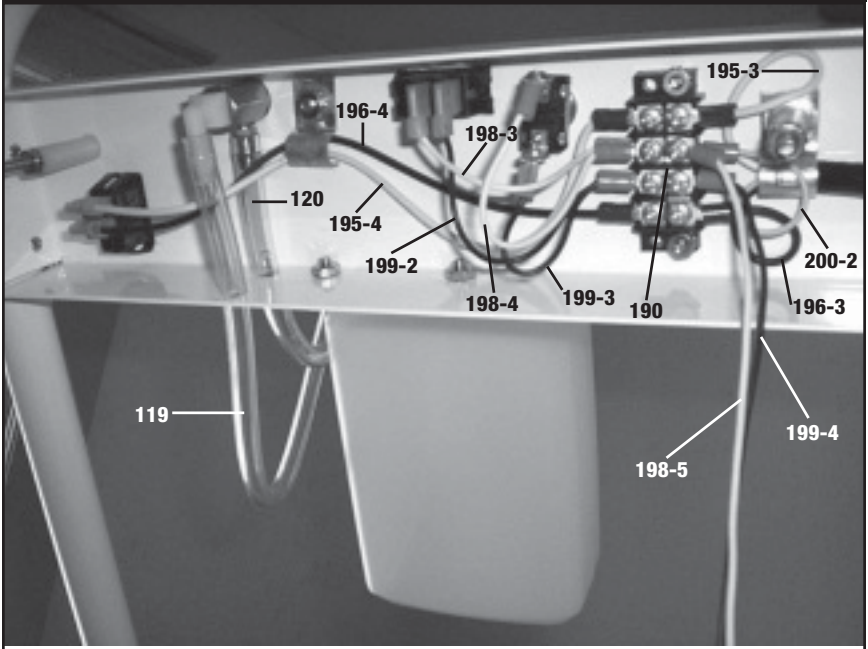


VIEW 12

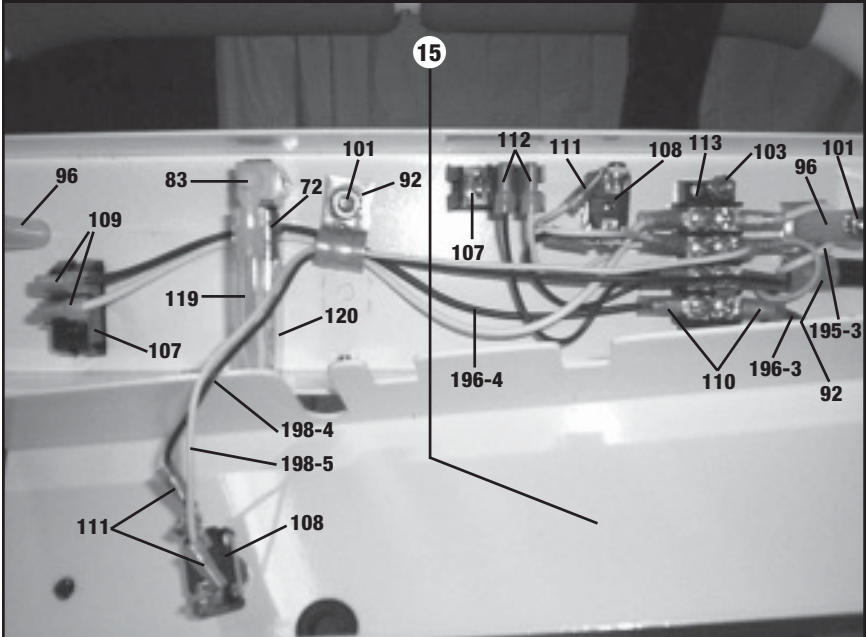


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VIEW 13

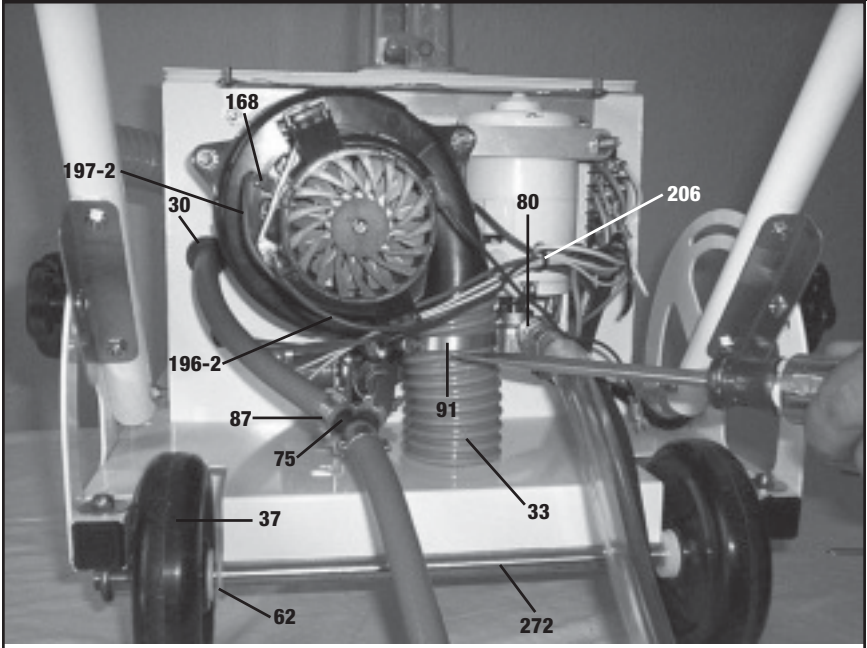


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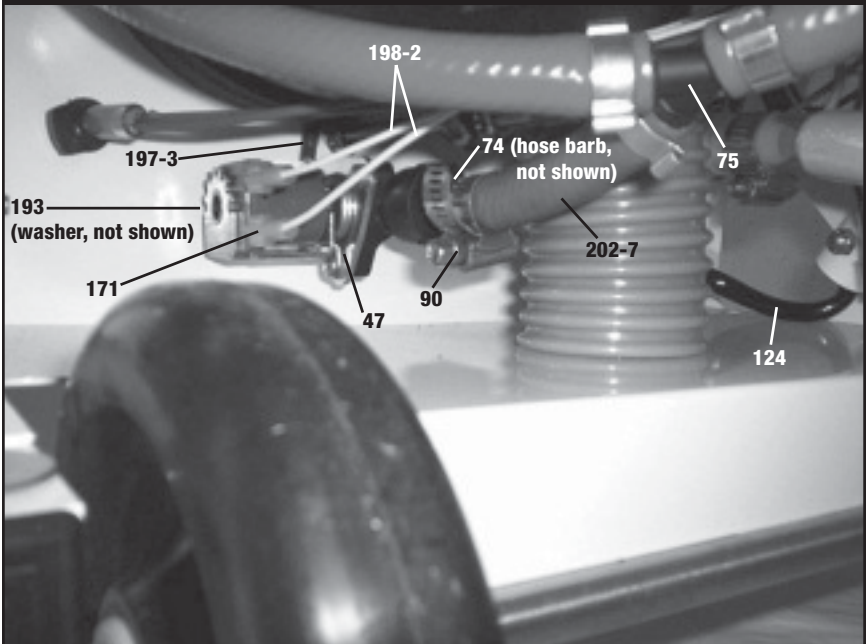


PARTS LIST

VIEW 15

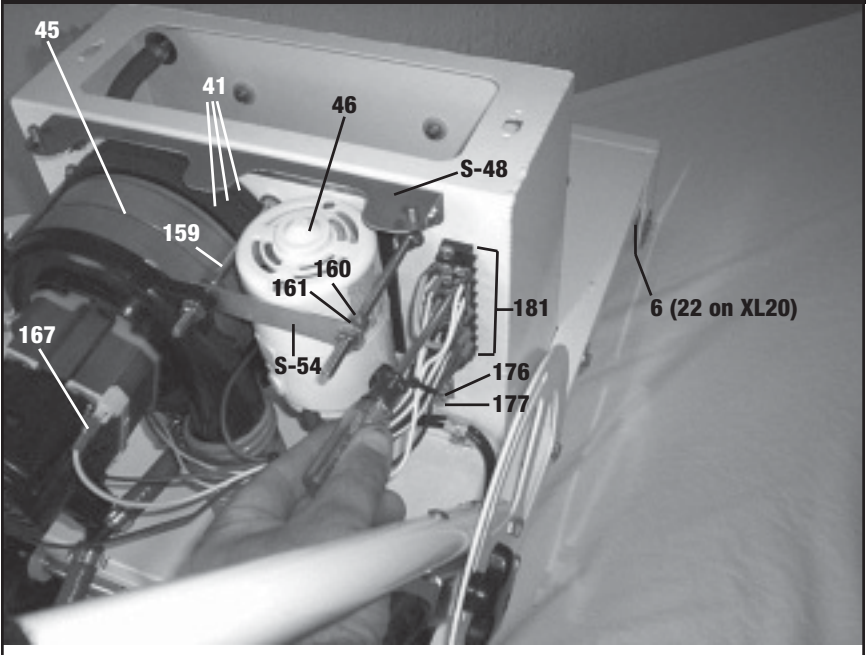


VIEW 16

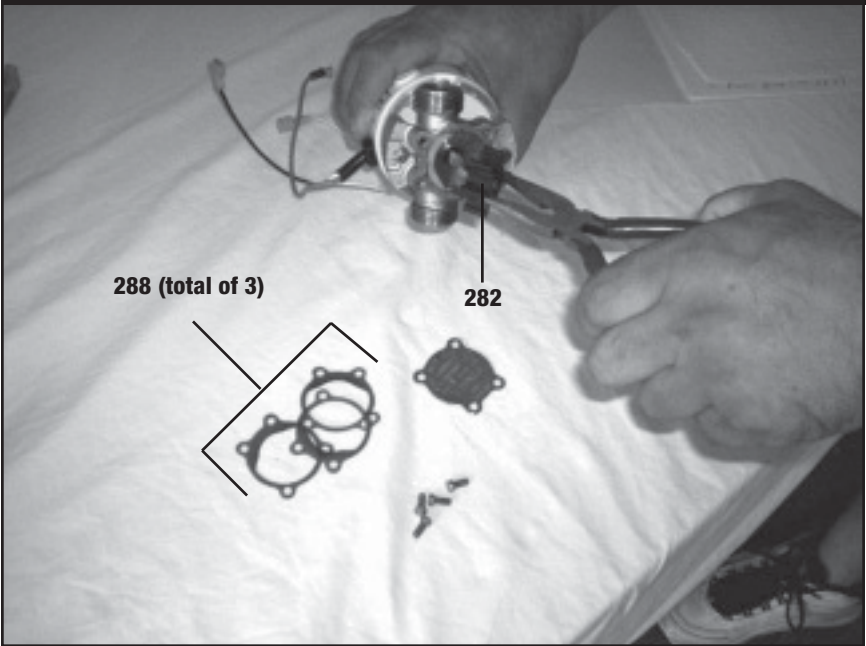


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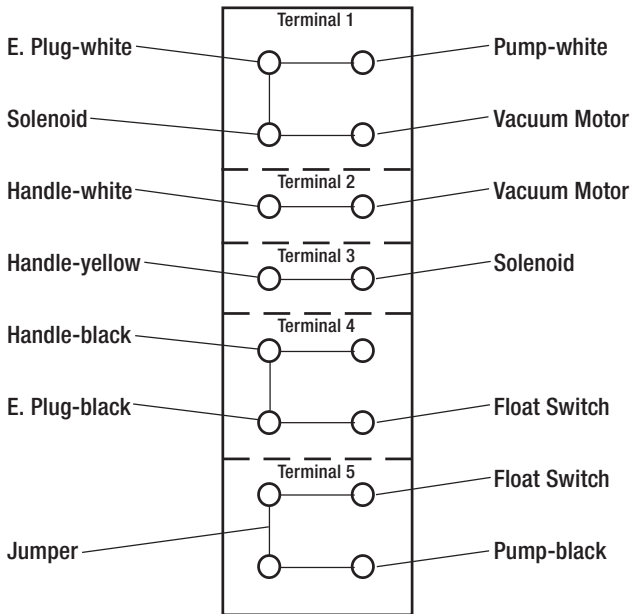
VIEW 17



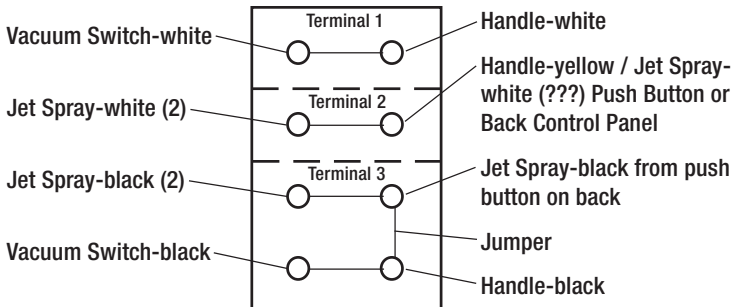
VIEW 18



Engine Compartment Terminal Block
(View from back of machine.)



Control Panel Terminal Block
(View from behind handle.)



COMPLETE INVENTORY LIST

Part # Item

S-48	Dog Bone
S-54	Pump Support
2	Vacuum Lid
4	Hose Guide
5	Platform
6	Inner Lip
7	Jet Support
8	Side Wing
9	Vac Shoe
10	Outer Lip
11	Rug Box A
12	Rug Box B
13	Handle Brace
14	Control Panel A
15	Control Panel B
16	Handle
17	Platform Tube
18	Handle Angle
19	Channel
20	Brace 20" (on 20" only)
21	Platform 20" (on 20" only)
22	Inner Lip 20" (on 20" only)
23	Outer Lip 20" (on 20" only)
24	Vacuum Shoe 20" (on 20" only)
25	White Tape
26	Drain Plug 7/8- 13/16
27	Strainer Pump 20 Mesh
28	Nylon Spacers (Control Panel)
29	Square Caps
30	Grommet 5/8
31	Swing Check Valve 1/4 Fpt
32	Clearview Vac Tube
32-2	Clearview Vac Tube
33	Vac Exhaust Hose
33-2	Vac Exhaust Hose
34	Axle 1/2 Round
35	Filter 200 Micron
36	Tape For Ground Holes
37	Wheels
38	Aluminium Tube 1.5 X 1.5
39	Aluminium Tube 1.5 X 3.375"
40	Handle Grips
41	Gasket Vac
42	Gasket Lid
43	Engine Comp. Cover

Part # Item

44	Baffle
45	Vac Motor
46	Pump
47	Solenoid
48	Float Switch
49	Defoamer Valve
50	Standard Sink Fitting
51	Standard Extension
52	13/16 Male Extension
53A	13/16 Female Reducer
54A	3/4 Female Reducer
55	Spray Jet 15" 30 Cap
57	Plug
57A	Plug
58	Box (Machine)
59	Quart Bottle
60	Bottle Cap
61	Carrying Handle
62	Nylon Spacer (Axle)
63	Valve Drain
64	Valve Pressure 1/4 F x F
65	1/4mpt X 3/8 Barb
66	Swivel Nut 3/8 Barb
67	Valve Pressure 1/4 F x M
68	Washer Ear
69	Swivel Nut X 1/2 Barb
70	1/4 Fpt X 3/4mgh
70A	1/4 Fpt X 3/4mgh
71	1/2 Barb X 3/4mgh
72	10-32 X 1/4 Barb
73	3/8 Mpt X 1/2 Barb (Brass)
74	Beaded Hose Barb
75	Y Connector 3/8 Barb
76	1/4" mptx3/8" barb Nylon
77	Connector 1/4" x1/4"
78	1/8fpt X 3/8 Barb
79	Tubing Foam For Lid
80	3/8mpt X 1/2 Barb Nylon
81	1/2mpt X 1/2 Barb Nylon
82	1/2mpt X 3/4mgh
83	1/8 Mpt X 3/16 Barb 90' Elbow
84	Clamp 1 Ear 3/4 Nom. Zinc
85	3/16 Barb X 3/16 Barb
86	3/8 Grommet
87	Clamp 2 Ear 5/8 Nom

COMPLETE INVENTORY LIST

Part # Item

88	Clamp 1 Ear 11/16 Nom
89	Knob 10-32
90	Clamp Worm Drive 3/8-7/8
91	Clamp Worm Drive 2 1/4
92	Clamp Jiffy 3
93	Clamp Nylon
94	Clamp Hold Down
95	Handle Spacer
95-2	Handle Spacer
96	Spacer Nylon 1 1/2 Long
97	Hex Washer Head 6-32 X 1/2
98	Truss 10-24 X 1/2 Phillips
99	Hex Head 10-24 X 3/8
100	Ovalhead 10-24 X 2 Slotted
101	Washer Finish
102	Keps Nuts 10-24
103	Keps Nuts 6-32
105	Rivet 18-8 SS
106	Hook 5/16"
107	Switch Rocker
108	Switch (Push Button)
109	16-14 Flag Term .250
110	16-14 Spade Block #6
111	22-18 Spade Block #6
112	22-18 Flag Term .250
113	Terminal Block (4 Terms)
114	Velcro Tie 20"
115	Truss Head 1/4-20 X 3/8
116	Drain Valve
117	Electric Cord
118	Swinger E Plug
119	Tube Vinyl 3/16" Id X 3/8" od
120	Tube Vinyl 1/4id x 3/8od
120-2	Tube Vinyl 1/4id x 3/8od Float
120-3	Tube Vinyl 1/4id x 3/8od view chamber
120-4	Tube Vinyl 1/4id x 3/8od Defoamer Bottle To Connector
124	Tube For 3 Wires
124-2	Tube For 3 Wires
125	Air Intake Filter
125-2	Air Intake Filter
126	Bumper
127	8" Velcro Tie
128	Washer Nylon For 8-32 Truss

Part # Item

129	Truss 10-24 X 3/8 Phillips
130	Hex Head 6-32 X 1/4 Self-Tap
131	Hex Washer Head 10-24 X 1/2
132	Truss 1/4-20 X 5/8 Phillips
133	Star Lock Fastener
134	Truss 10-24x 1 1/4 Phillips
135	Keps Nuts 1/4
136	Hex Cap 1/4-20 X 1 3/8
137	Hex Cap 1/4-20 X 1 1/2
138	Nut 1/4 Nylon Insert
139	Eyebolt
140	Hex Cap 1/4-20 X 1/2"
141	Washer Nylon #10
142	Washer Nylon 1/4
143	Truss 8-32 X 1/2
144	Keps Nut #8 18-8 SS
145	Rivets Platform Steel
149	Trusshead 10-32 X 1
150	Keps Nuts 10-32
151	Stabilizer Bolt
153	Hex Washer Head 10-24 X 3/8
154	Washer 9/32 Id 5/8 Od .050 18-8
155	Washer 1/8 Thick (Sink Fittings)
156	Washer Y Fitting
157	Washer (Plug) 9/16 Screw Size
158	Washer 9/32 Id X 1" Od
159	Vac Stud Bolts
160	Nuts 1/4-20
161	Lock Washer 1/4
167	16-14 Female . Term (3/16)
168	16-14 Female Term 1/4"
171	22-18 Female Ins. Term.
174	22-18 Ring Tongue #10
175	16-14 Ring Tongue #10
176	Washer Star
177	Nut 10-24
178	Washer Spray Jet
179	Truss 10-24 X 5/8 Phillips
180	Knurl Nut 10-32
181	Terminal Block 8 Terms
182	Washer (Pump)
183	Washer 13/64id 7/16od .32
188	Washer #6 Term Block
190	Jumper Terminal Block
193	Washer Nylon Solenoid

COMPLETE INVENTORY LIST

Part # Item

194A Jet Spray 15" 20 Cap
 195 Wire 14awg White
 195-3 Wire White 14 Gage 52"
 195-4 Wire White Vac 14 Gage 9.50"
 196 Wire 14awg Black
 196-2 Wire Blace 14gage Vac. 15"
 196-3 Wire Black 14 Gage 52"
 196-4 Wire Black 14 Gage C.P. 9.50"
 197 Wire 14awg Green
 197-2 Wire Green Vac Motor
 197-3 Wire 18gage Green 14"
 198 Wire 18awg White
 198-2 Wire White 18 Gage solenoid
 198-3 Wire White 18 Gage. Jet Spray 3
 1/8
 198-4 Wire White 18 Gage Jet Spray
 4.5"
 198-5 Wire White 18 Gage Jet Spray
 C.P.
 199 Wire 18awg Black
 199-2 Wire 18 Gage Black Jet Spray
 5.25"
 199-3 Wire 18 Gage Black Jet Spray
 3.5"
 199-4 Wire 18 Gage Black Jet Spray
 200 Wire 18awg Yellow
 200-2 Wire 18 Gage Yellow 52"
 202 Hose Pressure 3/8id X 5/8od
 202-1 Pressure Hose Ext. Jet
 202-2 Pressure Hose Sink Whip
 202-3 Rec. Tank Jet Spray Hos
 202-4 Rec. Tank Hand Tool Hose
 202-5 Pressure Hose Whip
 202-6 Pressure Hose 50'
 202-7 Solenoid Hose Whip Short
 202-8 Pres. Hose Ext, Jet Short 1.5"
 202-9 Pres. Ext. Jet Long 2.25"
 202A Pressure Hose Pre Spray 33'
 203 Hose Drain 1/2id X 3/4od
 203-2 Drain Hose 50'
 203-3 Rec. Tank Drain Hose 9.375"
 203-4 Drain Hose Whip
 203-5 Axle Spacer
 206 Zip Ties
 207 Sd Control Panel Sticker 15"

Part # Item

208 Sd Control Panel Sticker 20"
 209 Sd Control Back Sticker
 210 Sd Eng Comp Sticker 15"
 211 Sd Eng Comp Sticker 20"
 212 Sd Prespray Bottle Sticker
 213 Spray Jet 20" 20 Cap
 214A Spray Jet 20" 15 Cap
 216 Sd Lid Sticker
 217 Sd Defoamer Bottle Sticker
 219 Sd Defoamer Lid Sticker
 220 Demon Clean Gallon
 221 Bubble Blaster Gallon
 222 Conduit Rigid Clamp
 223 Sd Open Valve Sticker
 224 Hose Jacket
 224A Hose Jacket 44'
 225 Hole Punch 7/16
 226A Socket Female
 227A Dail A Mix Sprayer
 228 Hole Punch Pad
 229A Nipple 1/4- Prespray
 230A Caddie Prespray
 231A Complete Sticker Set
 232A Hose Reel 4 Wheel Large
 233 12 X 12 Corrugated Pad
 234 24 X 18 Corrugated Pad
 235 24 X 24 X 8 Corrugated Box
 236 23 X 15 X 5 Corruagated Box
 237 Tube Reamer
 238 Granite Surface Plate
 239 Box 47x18.5x18
 240 Box 47x22x18
 242 Pr Eng Comp Sticker
 244 Pr Control Panel Sticker
 245 Pr Prespray Bottle Sticker
 246 Pr 14 Sticke
 247 Pr 15 Sticker
 248 Pr 20 Sticker
 249 Pr Hp Sticker
 250 Pr Serial #
 251 Hose Reel Brass Swivel
 252 Hose Reel Handle Arm
 253 Hose Reel Handle Grip
 254 Hose Reel Wheel
 255 Hose Reel Wheel Bushing

COMPLETE INVENTORY LIST

Part # Item

256	Hose Reel Axle Caps
259	Keps Nut 5/16" x 18
260	Very Important Sticker
261	View Chamber
262	3+1 Oil
263	Sticker Sd Spotter & Furniture
264	10-32 Threaded Rod 2'
265	Demon Clean Qt
266	Bubble Blaster Qt
267	Bottle Pint
268	Trigger For Pint Bottle
269	1/4" 20 Threaded Rod 3'
270	Carpet Rake
271	Fan Tip For Prespray Bottle
272	Axle Assembly
273	Rug Box Assembly
274	Key Tite Pipe Dope
275	Glue Brush
276	Metric Sink Fitting
277	Permanent Sink Fitting
278	Hex Nut For Defoamer Toggle
279	1/8" Washer For Toggle
280	Knob 1/4"
281	View Chamber Gasket
282	Impeller
283	Lip Hook
284	Lid Assembly Complete With Channel & View Chamber
285	Lid Assembly with Channel Only
286	Lid Assembly with View Chamber Only
287	Lid with Welded Tube Only
288	Pump Gasket
289	Male Drain Valve Assembly
290	Machine Female Drain Valve Assembly
291	Female Pressure Valve Assembly
292	Machine Male Pressure Valve Assembly
293	Brass Valve 1/2 x 1/2
294	Clamping Tool
295	SD XL 15
296	SD XL 20
297	50' Regular Hose
298	50' Extra Hose

Part # Item

299	33' Prespray Hose With Socket
300	Presray Sprayer Complete With Plug
301	25' Star Tool Assembly
302	25' Furniture Tool Assembly
303	25' Dual Head Stair/Furniture Tool Assembly
304	25' Vacuum Hose & Pressure Hose Prepped
305	25' Vacuum Hose With Cuffs
306	Stair Tool Head Only
307	Furniture Tool Head Only
308	Set of 5 Sink Fittings
309	Operating Manual
310	Repair & Parts Manual
311	Pump Gasket
312	Prespray Assembly Complete
313	Screen washer

NOTES

