

GENERAL INSTRUCTIONS

STORAGE

WHEN CLEANING IS FINISHED:

- 1) Disconnect the SOLUTION HOSE on the front of the machine by pushing in on the ring of the solution fitting.
- 2) Connect the drain hose (clipped to the back) to the SOLUTION HOSE fitting and place the other end into the RECOVERY TANK. Press the SOLUTION switch to the "right" position. This will activate the motor to pump any remaining solution into the RECOVERY TANK for easy drainage.
- 3) When all of the solution is pumped from the SOLUTION TANK, turn the SOLUTION switch off, remove the power plug from the outlet and empty the RECOVERY TANK. Leave the RECOVERY TANK open when storing.
- 4) Disconnect the DRAIN HOSE by pushing in on the ring of the SOLUTION HOSE fitting. Replace the DRAIN HOSE in the clip on the back of the machine, and re-connect the SOLUTION HOSE.



FIG. 2

ROUTINE MAINTENANCE INSTRUCTIONS

DAILY / INTERVAL

- 1) The filter in the solution tank (FIG 3) should be kept clean. It can be removed if necessary. A damaged filter should be replaced, otherwise blockages and/or damage to the pump head and spray jet can occur.
- 2) Check the spray jet (FIG 4) for blockage and a uniform spray pattern. Remove jet and blow through to clean. Do not use a pin or other sharp objects as this may cause damage to the jet.
- 3) Check and remove any debris or lint build-up from the vacuum head, brush, and brush housing.
- 4) Always wash out the tanks with clean water after use. To do this, pour clean water into the solution tank and spray through spray tip to clear chemical residue from the pump, lines, and spray tip. Allow the vacuum to run for a few minutes after use to aid the machine in drying out and to help prevent bacteria and odors.
- 5) Wash out mesh filter in RECOVERY TANK of dirt and carpet fibers after dumping waste from recovery tank. Failure to clean filter may cause damage to vacuum motor.

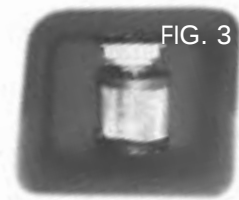


FIG. 3



FIG. 4

SOLUTION SPRAY JET

WEEKLY

- 1) Inspect hoses (unseen blockages sometimes occur), hose cuffs, and the rubber seal on the recovery tank lid. The main cable, plug, and switches should also be examined for damage.

NOTE: It is advisable to store the unit with the recovery tank lid removed.

CAUTION: THIS UNIT MUST BE PROTECTED FROM FREEZING. Damage from freezing could cause machine to malfunction.

MAINTENANCE GUIDE

Motors not running

CAUSE:

- 1) Power not reaching main switch.
- 2) Defective power cord.
- 3) Faulty switches or wiring.
- 4) Blown fuse or tripped circuit breaker
- 5) Problem with brushes, field windings, or armatures. (vacuum or brush motor)
- 6) Reset switch on back.

SOLUTION:

- 1) Check power supply. Check fuses/circuit breaker. Contact service center.
- 2) Contact manufacturer or service center.
- 3) Contact manufacturer or service center.
- 4) Reset circuit breaker according to operating instructions or replace fuse if qualified.
- 5) Repair or replace defective part.
- 6) Push reset switch.

Loss of vacuum suction

CAUSE:

- 1) Vacuum head blocked.
- 2) Hose blocked.
- 3) Recovery tank not sealed properly.

SOLUTION:

- 1) Visually inspect and clear blockage.
- 2) Visually inspect and clear blockage.
- 3) Check tank for damage or adjust for proper fit.

Brush not functioning properly

CAUSE:

- 1) Belt broken.
- 2) Brush jammed.
- 3) Brush pulley broken.

SOLUTION:

- 1) Replace belt.
- 2) Visually inspect and clear blockage.
- 3) Replace pulley.

Spray jet not functioning properly

CAUSE:

- 1) Jet blocked
- 2) Solution filter blocked.

SOLUTION:

- 1) Visually inspect and clean according to operating instructions.
- 2) Visually inspect and clean according to operating instructions.

ILLUSTRATED PARTS LIST

Ref #	Part #	Description
1	2-265	Silicon Hose
2	2-3121	Wheel with Cap (Complete)
3	2-3122	Starlock Washer
4	2-3124	Wheel Cap (Spares Only)
5	2-3151	P Clip Cable Restraint
6	SC301	Cable Restraint
7	2-3417	Nylon Washer
8	SC302	1/4" Elbow Barb Black (P.B.)"
9	2-3443	1/8" Male Barb
10	SC303	Bulkhd Coupling Metal
11	SC304	Female Coupling Metal
12	SC305	Drain Hose Conn. Male
13	SC306	Spray Nozzle
14	SC307	Spray Nozzle Retaining Nut
15	SC308	Motor Pulley
16	SC334	Brush Pulley
17	SC309	Brush Drive Belt
18	SC310	1/4" BSPT Metal Elbow Male"
19	2-3457	Tube End Cap
20	SC336	Handle Grip
21	SC311	Handle Lock Knob
22	SC312	Vac Pick-up Hose
23	SC313	Nylon Brush Spacer
24	2-3478	Pump Out Hose Clips
25	2-3486	1/4" BSPT Grey Elbow Male"
26	3-5589	Wheel Spacer
27	SC314	Bearing Housing
28	SC315	Back Electrical Cover
29	SC316	Vac Motor Cover
30	SC317	Vac Lid
31	SC318	Bottom Cover
32	3-5991	Axle Retain Brackets
33	3-5992	Fluid Coupling Bracket
34	SC319	Brush Body
35	SC320	Handle
36	3-5998	Pick-up Strip
37	SC335	Filter Element-waste Tank
38	3-6000	Axle
39	3-6001	Rectifier Heat Sink
40	TW091052	Powr-Flite Label
41	3-6009	Gasket Strip (Bck + Bot Cvr + Pump Strips)
42	3-6010	Gasket Bot 10mm Pads
43	3-6011	Champ Compact Spray jet Label
44	3-6012	Champ Compact Pictorial Label
45	3-6013	Solution Tank
46	SC321	Recovery Tank
47	3-6015/PO	Pick-up
48	3-6034	Silicone Tube Tank Spacer
49	3-6018	Champ Compact Switch Label
50	SC322	Bearing Protector Seal
51	SC323	Vac Lid Seal
52	3-6021	Water Path Deflector Plate
53	3-6031	Brush Motor Clamp Strip
54	3-6033	Motor Spacer
55	4-286	P Clip
56	SC324	Handle Switch
57	SC325	Brush Motor (110 volt Version)

Ref #	Part #	Description
58	SC326	Vac Motor (110 volt Version)
59	SC327	Switch with Cover
60	SC328	Solenoid Pump (110 volt Version)
61	SC329	Cut Out (110 volt Version)
62	4-3212	Cable Gland
63	4-3213	Cable Gland back nut
64	5-3409	Wiring Kit (Not Shown)
65	SC330	Motor Cover Seal (egg)
66	RX000119	Vac Motor Lip Seal
69	SC333	Filter Element
70	SC337	Vac Seal Bottom
71	SC331	Vac Seal Top
72	SC332	Rectifier (brush Motor)
73	TW011120	Red Nylon Tube
74	SC337	PowrFlite Cord Set
75	TW023055	P-clip (internal)
76	TW065064	6mm Bore Hose
77	TW033069	Jubilee Clip
78	TW065063	O-Clip Steel

Fasteners

90	2-3032	Nylon Screw
91	M5-R-ZN	M5 Shakeproof Washers for Bonding Screw
92	M6-P-SS	M6 Spring Washers Stainless (Motor Mount)
93	2-3463	Stainless Rivets
94	2-3464	Screw for P Clip
95	2-3465	Roto Small Tapper
96	2-3466	Roto Intermediate Tapper
97	2-3467	Roto Large Tapper
98	2-3479	Housing Domenut
99	2-3484	M6 Handle Insert
100	M4-10-XB	Brush Pulley Grub Screw
101	M4-3-XB	Motor Pulley Grub Screw
102	M4-I-ZN	Nut for Nylon Screw
103	M5-16-BP-SS	Deflector Plate Bolt -csk
104	M5-16-CP-ZN	Cable Restraint Bolt
105	M5-20-CP-ZN	Rectifier Bolt
106	M5-25-CP-ZN	Earth Bonding Screw
107	M5-I-ZN	Rectifier Nut
108	M5-LN-SS	Deflector Plate Nut
109	M5-I-ZN	Cable Restraint Nut
110	M5-OLG-SS	Housing Washer
111	M5-OLG-ZN	Rectifier Washer
112	M5-P-SS	Housing Spring Washer
113	M5-OHG-ZN	Earth Bonding Screw Washers
114	M5-P-ZN	Rectifier Spring Washer
115	M8-16-E-SS	Pick-Up Bolt
116	SC338	Handle Pivot Bolt
117	M6-12-E-SS	M6 Motor Mounting Screws
118	M6-OLG-SS	M6 Motor Mounting Washers
119	M8-OHG-SS	M8 Pick-Up Mounting Washers
120	2-3250	M8 Shakeproof Washer for Pick-Up Mount
121	M4-OLG-ZN	M4 Rectifier Washer
122	M4-P-ZN	M4 Rectifier Spring Washer
123	2-3485	M5 Black Plastic Washer