

Powr-Flite®

OPERATOR'S MANUAL & PARTS LIST

Self-Contained Carpet Extractor Model PFX3S



**WARNING: OPERATOR MUST READ AND UNDERSTAND THIS MANUAL
COMPLETELY BEFORE OPERATING THIS EQUIPMENT.**

Save These Instructions

READ ALL INSTRUCTIONS BEFORE USING!

Congratulations on purchasing a Powr-Flite self-contained extractor. Given proper care, this product will afford you many years of trouble-free operation. All parts have passed rigid quality control standards before being assembled to produce the finished product.

Prior to packaging, the extractor is again inspected for assurance of flawless assembly. This unit is protectively packed to prevent damage in shipment. We recommend removal and inspection of unit upon delivery for possible damage in transit. Only a visual examination will reveal damage that may have occurred.

If damage is discovered, immediately notify the transportation company that delivered your extractor. As a shipper, we are unable to report claims for concealed damage. You must originate any claim within 5 days of delivery.

This manual is for your protection and information. **PLEASE READ CAREFULLY** since failure to follow precautions could result in discomfort or injury. When using electrical equipment, basic safety precautions should always be followed.

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CARE OF THIS SELF-CONTAINED EXTRACTOR

Treat this unit as you would any other high grade precision made product. Dropping, unreasonable bumping across thresholds and other misuses may result in a damaged unit which will not be covered by warranty. When not in use, power cord should be wrapped around handle for storage.

Read this manual completely before operating this extractor. It is important to follow instructions in this manual to prevent the possibility of injury or damage to the user and/or machine.

IMPORTANT SAFETY PRECAUTIONS

WARNING!: To reduce the risk of fire, electric shock, or injury

WARNING

To avoid fire, DO NOT use with a flammable or combustible liquid to clean floor.



WARNING

To avoid electric shock, DO NOT expose to rain. Store Indoors.

When using this self contained extractor, basic precautions should always be followed, including the following:

1. **DO NOT** leave unit when plugged in. Unplug from outlet when not in use and before servicing.
2. **DO NOT** allow unit to be used as a toy. Close attention is necessary when used around or near children.
3. Use only as described in this manual. Use only manufacturer's recommended attachments.
4. **DO NOT** use with damaged cord or plug. If unit is not working properly because it has been dropped, dropped into water, left outdoors, or damaged in any way, contact a service center of Powr-Flite®.
5. **DO NOT** pull or carry by cord, use cord as a handle, close door on cord, or pull cord around sharp edges or corners. **DO NOT** run unit over cord. Keep cord away from heated surfaces.
6. **DO NOT** unplug by pulling on cord. To unplug, grasp the plug, not the cord.
7. **DO NOT** handle plug or appliance with wet hands.
8. **DO NOT** put any objects into openings. **DO NOT** use with any opening blocked: keep free of dust, lint, hair, or anything that may reduce air flow.
9. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
10. **DO NOT** pick up anything that is smoking or burning such as cigarettes, matches, or hot ashes.
11. **DO NOT** use to pick up hazardous chemicals.
12. Turn off all controls before unplugging.
13. Turn unit off immediately if foam or liquid comes from machine exhaust. Empty & clean out recovery (dirty) tank and use defoamer to correct the problem.
14. **DO NOT** use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
15. **DO NOT** use where oxygen or anesthetics are used.
16. **DO NOT** use an extension cord unless absolutely necessary. If an extension cord is used, then wire size must be #14 or larger and should not exceed 25 ft. in length. Extension cord must be a three-wire type to insure grounding protection.
17. Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety.
18. This unit must be connected to a properly grounded outlet only. See grounding instruction.

MEDIDAS DE SEGURIDAD

PELIGRO!: Para reducir el riesgo de incendio, descarga eléctrica o daño:

NO SE esponga a la lluvia a guarde bajo techo. Una sacudida eléctrica puede suceder si se usa en superficies húmedas.



NO utilice la unidad para levantar líquidos inflamables o combustibles como gasolina.

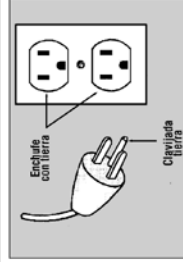
PARA SU SEGURIDAD

- 1) **NO DEJE** la aspiradora enchufada. Desconéctela cuando no la use y antes de darle servicio.
- 2) **NO PERMITA** que se use como juguete. Ponga atención cuando se use cerca de niños.
- 3) **USE SE SOLAMENTE** de acuerdo a las instrucciones y con accesorios recomendados por el fabricante.
- 4) **NO USE** con el cable o clavija dañados. Si la unidad ha sido golpeada, mojada, o dañada en algún modo llame al centro de servicio o Power-Fix[].
- 5) **NO JALE** o carque el cable, no machuque el cable o lo estire sobre objetos filosos. **NO USE** la unidad sobre el cable.
- 6) **NO DESENCHUFE** jalando el cable. Para hacerlo jale de la clavija no del cable.
- 7) **NO TOME** la clavija o el aparato con las manos mojadas.
- 8) **NO TAPE** objetos en las ventillas. **NO USE** si alguna está tapada. Mantenga limpia de polvo, pelusa o cualquier obstrucción.
- 9) Mantenga el pelo, ropa suelta manos y partes del cuerpo lejos de las aberturas y partes móviles.
- 10) **NUNCA** aspire objetos que mandose o humeando como cigarrillos, cerillos o cenizas calientes.
- 11) No use unidad a recoje materiales peligrosos.
- 12) Apague todos los controles antes de desconectar.
- 13) Paga las unidad inmediatamente si hay espuma o líquidos saliendo de bajo de la unidad. Si esto para limpia el tanque y también usa un químico de espuma.
- 14) **NO UTILIZE** la unidad para levantar líquidos inflamables o combustibles como gasolina; o use en areas donde se encuentren estos líquidos.
- 15) Reemplacen los partes gastadas o dañadas inmediatamente para mantener la seguridad.
- 16) Esta unidad debe ser conectada a un enchufe correctamente aterrazado solamente. Vea los instrucciones de tierra. Si su aspiradora/soplador tiene un enchufe para una boquilla de potencia, apague la siempre antes de conectar o desconectar la goquilla.
- 17) **NO USE** donde oxígeno o anestésicos sean empleados.
- 18) **NO USE** extensión eléctrica mas que cuando sea absolutamente necesario. Si usa extensión, el cable debe de ser calibre #14 o mayor y no debe exceder 50 pies de longitud. El cable extensión debe ser de 3 polos para asegurar protección de tierra.

INSTRUCCIONES DE TIERRA

¡PELIGRO!

Una conexión incorrecta de tierra puede resultar en una descarga eléctrica. Consulte con un electricista calificado o persona de servicio si tiene duda acerca del enchufe y su tierra. No modifique el enchufe de las unidad. Si no encaja en el enchufe, haga instalar un enchufe apropiado por un electricista calificado.



IMPORTANTES MEDIDAS DE SEGURIDAD

AVERTISSEMENT!: Pour réduire les risques d'incendie, de choc électrique ou de blessure:

NE PAS aspirer de matières humides. Ne pas exposer à l'intérieur.



NE PAS utiliser l'appareil avec des liquides inflammables en aspirant afin d'éviter du feu.

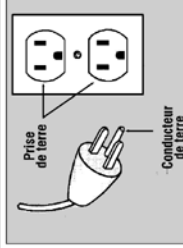
POUR VOTRE SÉCURITÉ

- 1) **NE PAS** laisser l'appareil sans surveillance lorsqu'il est branché. Débrancher lorsque l'appareil n'est pas utilisé et avant l'entretien.
- 2) **NE PAS** permettre aux enfants de jouer avec l'appareil. Une attention particulière est nécessaire lorsque l'appareil est utilisé par des enfants ou à proximité de ces derniers.
- 3) N'utiliser que conformément à cette notice avec les accessoires recommandés par le fabricant.
- 4) **NE PAS** utiliser si le cordon ou la fiche est endommagé. Retourner l'appareil à un atelier de réparation s'il ne fonctionne pas bien, s'il est tombé ou s'il a été endommagé, oublié à l'extérieur ou immergé.
- 5) **NE PAS** tirer, soulever ou trainer l'appareil par le cordon. **NE PAS** utiliser le cordon comme une poignée, le coincer dans l'embrasure d'une porte ou l'appuyer contre des arêtes vives ou des coins. **NE PAS** faire rouler l'appareil sur le cordon. Garder le cordon à l'écarte des surfaces chaudes.
- 6) **NE PAS** débrancher en tirant sur le cordon. Tirer plutôt la fiche.
- 7) **NE PAS** toucher la fiche ou l'appareil lorsque vos mains sont humides.
- 8) **NE PAS** utiliser des rallonges ou des prises qui n'ont pas de capacité suffisante pour transporter le courant.
- 9) **NE PAS** utiliser où l'oxygène ou les gazes sont utilisés.
- 10) **N'INSÉRER** aucun objet dans les ouvertures. **NE PAS** utiliser l'appareil lorsqu'une ouverture est bloquée. S'assurer que de la poussière, de la peluche, des cheveux ou d'autres matières ne réduisent pas le débit d'air.
- 11) Maintenir les cheveux, les vêtements amples, le doigts et toutes les parties du corps à l'écart des ouvertures et des pièces mobiles.
- 12) **NE PAS** aspirer de matières en combustion ou qui dégagent de la fumée, comme des cigarettes, des allumettes ou des cendres chaudes.
- 13) **NE PAS** utiliser l'aspirateur pour soulever les produits chimiques dangereux.
- 14) Mettre toutes les commandes à la position ARRÊT avant de débrancher l'appareil.
- 15) Couper le courant immédiatement si le liquide de nettoyage sort de l'appareil. Videz et nettoyez le réservoir interrim et admettez le liquide de nulle écume.
- 16) **NE PAS** aspirer des liquides inflammables ou combustibles, comme de l'essence, et ne pas faire fonctionner dans des endroits où peuvent se trouver de tels liquides.
- 17) Remplacez taré parties vite à maintenir sécurité.
- 18) Ne brancher qu'à une prise de courant avec mise à la terre. Voir les instructions visant la mise à la terre.

INSTRUCTIONS VISANT LA MISE À LA TERRE

AVERTISSEMENT!

Un conducteur de terre mal raccordé peut entraîner un risque de choc électrique. Consulter un électricien ou un technicien d'entretien qualifié si vous n'êtes pas certain que la prise soit correctement mise à lat terre. Ne pas modifier la fiche fournie avec l'appareil-se elle ne peut être insérée dans la prise, faire installer une prise adéquate par un électricien qualifié.



GROUNDING INSTRUCTIONS

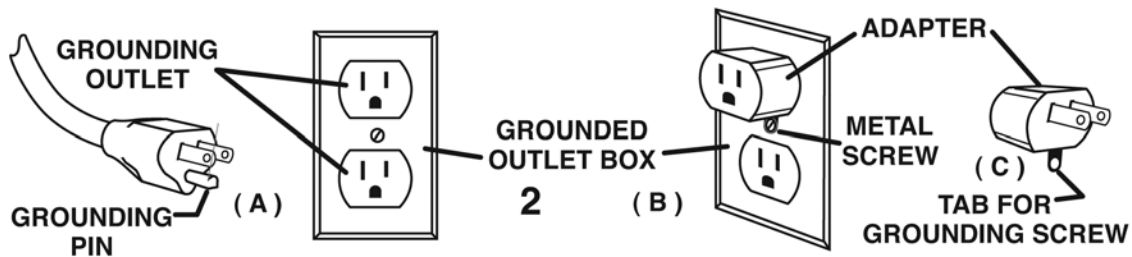
DANGER:
Improper use of the grounding plug can result in a risk of electric shock.

GROUNDING INSTRUCTIONS

This self-contained extractor must be properly grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electrical current to reduce the risk of electric shock. This machine is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet

that is properly installed and grounded in accordance with all local codes and ordinances. If repair or replacement of the cord or plug is necessary, **DO NOT** connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without stripes is the grounding wire.

GROUNDING METHODS



This unit is for use on a nominal 120 volt circuit, and has a grounded plug that looks like the plug illustrated in **(Fig. A)**. A temporary adapter that looks like the adapter illustrated in **(Fig. B&C)** may be used to connect the plug to a 2-pole receptacle as shown in **(Fig. B)** if a properly grounded outlet is not available.

The temporary adapter should be used only until a properly grounded outlet **(Fig. A)** can be installed by a qualified electrician. The green color rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electrical Code.

WARNING!

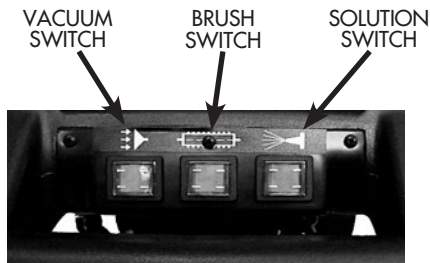
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.

DO NOT modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

GENERAL INSTRUCTIONS

PRE-OPERATION INSTRUCTIONS for PFX3S

FIG. 1C



NOTE - FOR COLOR FASTNESS: Before using carpet cleaning chemicals, test on an inconspicuous part of the carpet for color fastness. Place the solution on a small piece of clean white cloth or tissue. Rub the carpet area vigorously with the cleaning chemical. Excessive amounts of dye showing on the material would indicate that the colors are not colorfast, and should not be wet cleaned.



FIG. 1A

1. Prepare room for cleaning, moving furniture as need to provide a clear working area. Cover bottoms of furniture legs where possible. (Aluminum foil or foam blocks are ideal for this purpose.) Pin up curtains and drapes.
2. Gather cleaning supplies: a clean, suitable sized bucket, carpet cleaning solution, and pretreat solutions for heavily soiled traffic areas such as Powr-Flite's Fast Lane.
3. Disconnect vacuum hose from recovery tank and lift the RECOVERY TANK off of the SOLUTION TANK.
4. Measure carpet cleaning solution, per manufacturers recommended ratio, into the SOLUTION TANK and fill with hot water. DO NOT use the RECOVERY TANK to fill the SOLUTION TANK. Debris remaining in the tank could damage the pump or block the jet. **WARNING: DO NOT** exceed water temperature of 150° (65° C).
5. Replace RECOVERY TANK on machine. Add defoamer solution, per manufacturer's instructions as needed, in RECOVERY TANK.
6. Replace the transparent cover on the RECOVERY TANK and connect the vacuum hose to the front of the RECOVERY TANK.
7. Pre-treat heavily soiled carpet areas as required.

OPERATION OF SELF-CONTAINED CARPET CLEANER

1. Plug the power cord into an outlet. **WARNING:** This machine must be properly grounded. See Grounding Instructions on page 4 for additional information.
2. Press the VACUUM switch "on" and the BRUSH switch to the "right" position. See FIG C for a diagram on operational switches.
3. To clean the carpet, squeeze and hold the SOLUTION LEVER (FIG A) to apply the cleaning solution, pulling the machine backwards at the same time. Stop spraying the solution approximately 12 inches (30 cm) before the end of your pass, so that the extractor will vacuum up all of the solution. Slightly overlap the next cleaning pass to prevent streaking. To avoid overwetting, it is recommended that a maximum of only two wet passes (spraying solution) be done. One dry pass without spraying solution will also aid in drying time. After a few passes, check the RECOVERY TANK to verify that no foam is present. Add extra defoamer if necessary.
4. Empty the RECOVERY TANK when it is approximately 3/4 full. Do not refill the SOLUTION TANK without emptying all of the contents of the RECOVERY TANK first.

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.

SELF-CONTAINED EXTRACTOR PFX3S PARTS

ref #	order #	description
1	SC276	Silicon hose
2	SC339	Wheel with Cap (Complete)
3	SC340	Starlock washer
4	2-3124	Wheel Cap (Spares Only)
6	SC301	Cable restraint
7	2-3417	Nylon Washer
8	SC302	1/4" Elbow Barb Black (P B.)
9	SC231	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 5~3/ 3
24	02-3478-0000	Pump Out Hose Clips
25	SC275	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	SC341	Fluid Coupling Bracket
34	SC319	Brush Body
35	SC320	Handle
36	SC147	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	SC131	Gasket Strip (Bck + bot cvrs + Pum-
42	3-6010*	Gasket bot 10 mm pads
43	3-6011*	Champ Compact Sprayjet Label
44	3-6012*	Champ Compact Pictorial Label
45	SC154	Solution Tank
46	SC321	Recovery Tank
47	3-6015	Pick-up
48	SC342	Silicone Tube Tank Spacer
49	3-6018*	Switch Label
50	SC322	Bearing protector seal
51	SC323	Vac Lid Seal
52	SC212	Water path deflector plate
53	SC214	Brush Motor Clamp Strip
54	3-6033*	Motor Spacer
55	4-286*	P clip
56	SC324	Handle Switch
57	SC325	BrushMotor (110 volt Version)

ref #	order #	description
58	19020S	Vac Motor (110 volt Version)
59	SC327	Switch with cover
60	FJ5082	Solenoid Pump (110 volt Version)
61	SC329	Cut Out (110 volt Version)
62	4-3212*	Cable gland
63	4-3213*	Cable gland back nut
65	SC330	Motor cover seal (egg)
66	SC130	Vac Motor lip seal
69	SC333	Filter Element
70	SC337	Vac seal bottom
71	SC331	Vac seal top
72	SC12	Rectifier (brush Motor)
73	SC20	red nylon tube
74	M1400E	Powr-Flite Cordset
75	TW023055*	P-clip (internal)
76	SC98	6 mm bore hose
77	SC144	Jubilee clip
78	PX42	O-Clip Steel

FASTENERS

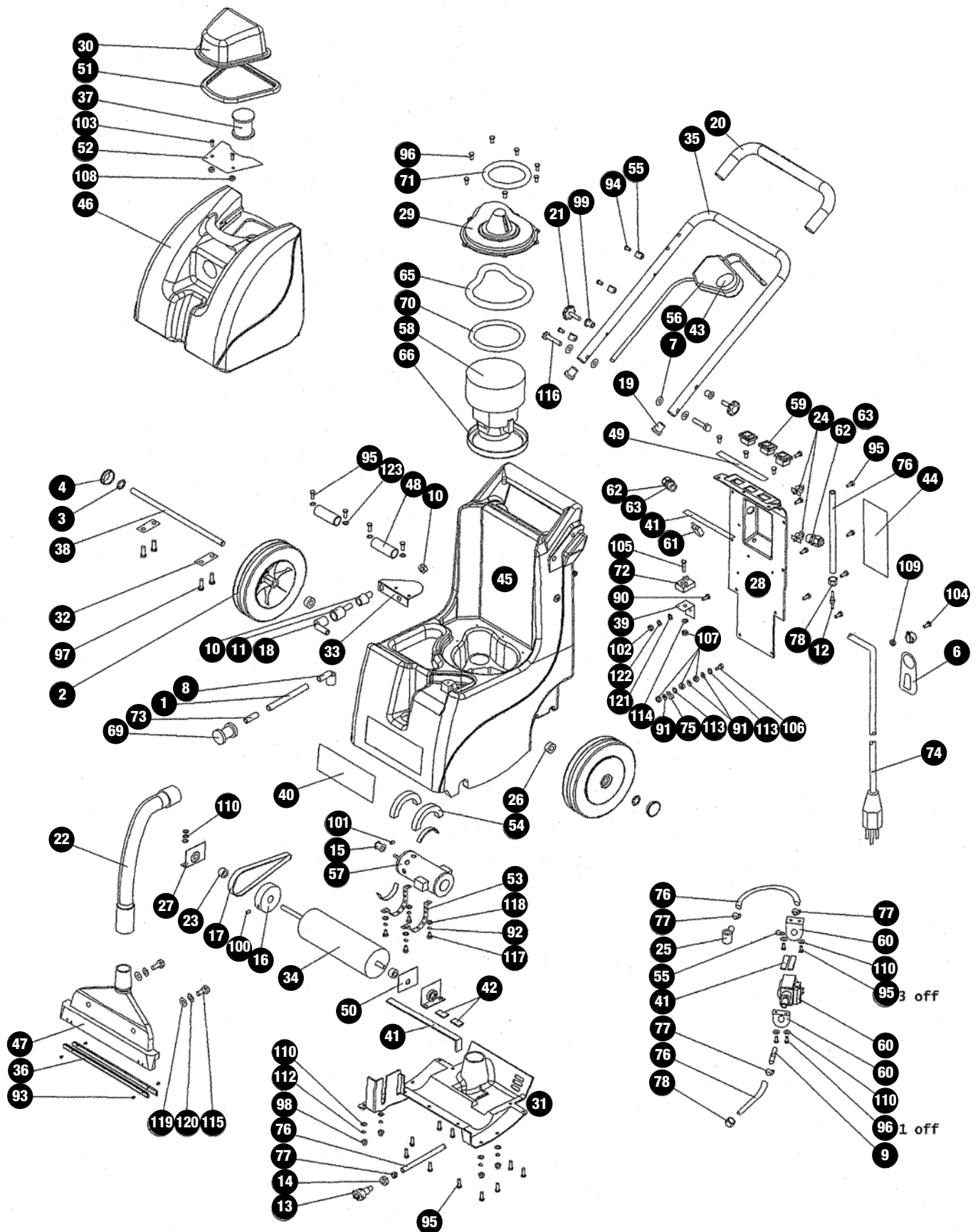
90	2-3032*	Nylon Screw
91	M5-R-ZN*	M5 Shakeproof Washers for Bondin
92	SC137	M6 Spring Washers Stainless
93	2-3463*	Stainless Rivets
94	2-3464*	Screw for p clip
95	FD66	Roto small tapper
96	2-3466	Roto intermediate tapper
97	SC347	Roto large tapper
98	SC225	Housing Domenut
99	SC116	M6 Handle Insert
100	SC132	Brush Pulley Grub screw
101	SC132	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	SC226	Housing washer
111	SC266	Rectifier washer
112	7CL003	Housing spring washer
113	M5-OHG-ZN*	Earth Bonding Screw Washers
114	M5-P-ZN*	Rectifier spring washer
115	PAS167	Pick-Up Bolt
116	SC338	Handle Pivot Bolt
117	SC136	M6 Motor Mounting Screws
118	7CM003	M6 Motor Mounting Washers
119	M8-OHG-SS*	M8 Pick-Up Mounting Washers
120	X8217	M8 Shakeproof Washer for Pick-Up
121	M4-OLG-ZN*	M4 Rectifier Washer
122	M4-P-ZN*	M4 Rectifier Spring Washer
123	2-3485*	M5 Black Plastic Washer

NOT ILLUSTRATED

PFX3S-KNS	tool kit
SC139	solution hose end, tool end
SC145	solution hose end, machine end
SC150	vacuum and solution hose assembly
SC151	hose bag
SC153	hand tool
SC158	spray tip for hand tool
PX48	brass bulk head, through tank
72274A	washer for PX48

*call for pricing and availability of all referenced parts

SELF-CONTAINED EXTRACTOR PFX3S PARTS



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. Hoses 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.

WARRANTY

The manufacturer warrants to the original purchaser that products manufactured are free from defects of workmanship and material, provided such goods are installed, operated and maintained in accordance with written manuals or other instructions for a period of 1 year from date of purchase on parts and workmanship. In case you as our customer, meet any trouble with your machine, contact your Powr-Flite® representative who will be happy to be of service to you and will take care of the warranty settlement.

NOTE: Alterations and changes made to the machine without written approval of the manufacturer and use of unapproved spare parts will not be covered by warranty.

SAVE THESE INSTRUCTIONS