

# Powr-Flite®

## PHOTON 3.5 Gallon Spotter Operations and Parts Manual



PE010-G03-U

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## INTRODUCTION

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### Warranty

Within 30 days of purchase, to activate product warranty, go to: <https://www.powr-flite.com/warranty-registration>



### Warning Labels

Prior to operating the Portable Battery Powered Mister, read and understand completely this owner's manual paying special attention to warning labels. These labels indicate a potentially hazardous situation that could result in death or serious injury if not avoided. Use only as described in this manual.



### Important

There are no owner serviceable parts inside this machine. Removal of screws and accessing internal components will void all warranty claims.



### Personal Protection Equipment (PPE)

Personal Protection Equipment (PPE) should be worn during the operation of this machine. Chemicals can remain airborne for some time after application and therefore safety glasses and masks are recommended. Gloves should be worn any time chemicals are handled.

Your new Powr-Flite unit is a high quality, precision-made product. All parts used in the manufacturing of this unit have passed rigid quality control standards prior to assembly. Please safeguard the original receipt/invoice given at the time of purchase. If you experience any problems with your unit during the warranty period, the original receipt/invoice will act as proof of purchase.

Upon receipt, inspect outer box for exterior damage. Unpack all internal parts, ensure all items are present according to the owner's manual, and review components for damage.

Each unit is tested and thoroughly inspected prior to shipping. If damage is discovered, immediately notify the transportation company that delivered your machine and request an inspection. As a manufacturer, we are unable to act upon any claim for concealed damage and you must originate the claim. Be sure to keep the carton, packing inserts, and carrier's receipt until the inspector has verified your claim.

## GROUNDING INSTRUCTIONS

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

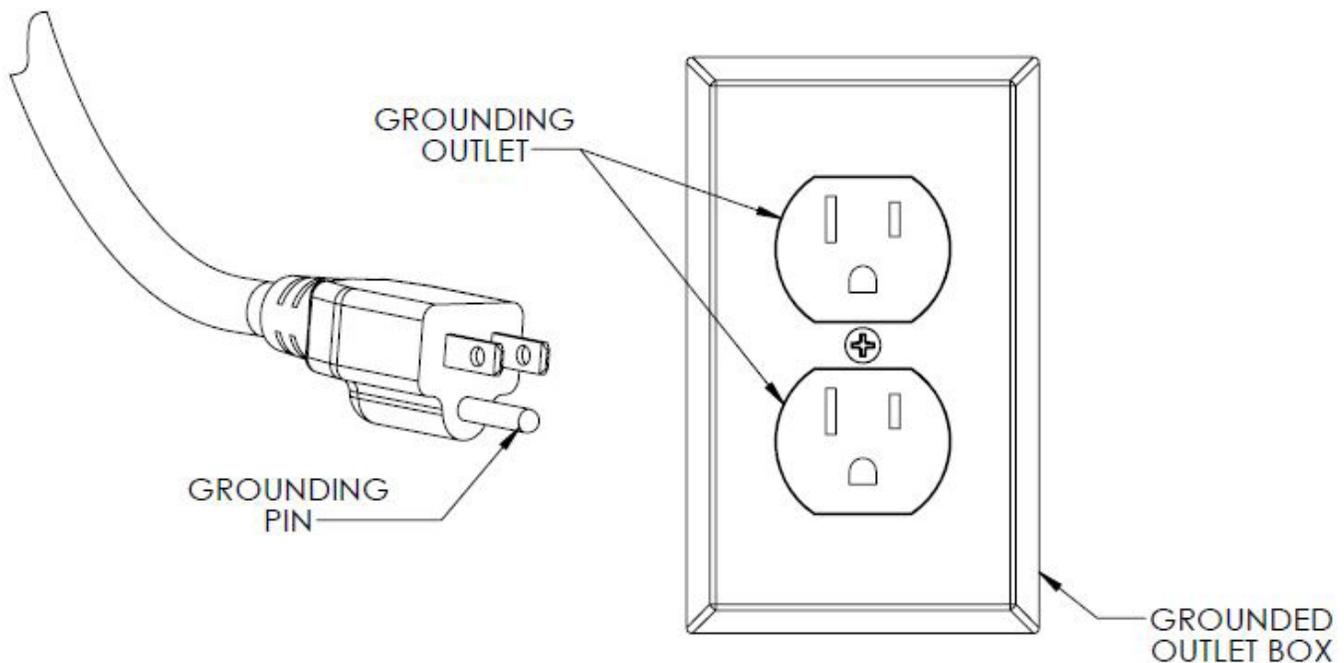
### WARNING!

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.

### GROUNDING METHODS

This appliance must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk 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.

This appliance is for use on a nominal 115-volt circuit, and has a grounding plug that looks like the plug illustrated in sketch A.



A

## **IMPORTANT SAFETY INSTRUCTIONS**

### **READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS UNIT**

Read and understand this owner's manual and all labels on the unit before operating. Safety is a combination of common sense, staying alert, and knowing how your unit works. Use this unit only as described in this manual. Use only manufacturer's recommended attachments. To reduce the risk of personal injury or damage to your unit use only recommended accessories.

**WARNING** To avoid fire, DO NOT use with a flammable or combustible liquid or floor cleaner.

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

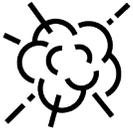
**When using this unit, basic precautions should always be followed, including the following:**

- 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
- 5) DO NOT handle plug or appliance with wet hands.
- 6) 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.
- 7) Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- 8) DO NOT pick up anything that is smoking or burning such as cigarettes, matches, or hot ashes.
- 9) DO NOT use to pick up hazardous chemicals.
- 10) Turn off all controls before unplugging.
- 11) 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.
- 12) DO NOT use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- 13) DO NOT use where oxygen or anesthetics are used.
- 14) Replace damaged or worn parts immediately with genuine original equipment parts to maintain safety.
- 15) This unit must be connected to a properly grounded outlet only. See grounding instructions.
- 16) DO NOT use equipment out of doors or in the rain.
- 17) DO NOT use equipment near or around flammable or explosive materials, fuels, or solvents.
- 18) DO NOT allow the unit to freeze.
- 19) Anyone designated to operate this equipment must, without fail, read and thoroughly understand all instructions and precautions prior to use.
- 20) Do not operate in standing water.
- 21) Do not operate equipment under any unsafe condition.
- 22) Do not use the machine for totally dry vacuuming. This machine is not fitted with a fine dust filter.
- 23) Do not use citrus-based cleaners in this machine.
- 24) Do not use cleaning chemicals in this machine except those recommended for commercial extraction equipment. The use of any chemical with abrasive additives voids the warranty.
- 25) Use defoamer at all times to prevent damaging the vacuum motor.
- 26) Do not use water in excess of 140° F (62° C).

## **SAVE THESE INSTRUCTIONS**

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## IMPORTANT SAFETY INSTRUCTIONS



### Pressurized Equipment Warning

Unit is under high pressure when machine is activated. If leaks are visible around coiled hose connections, replace hose immediately with part number shown in this manual. If pump continues to run when the trigger is not depressed, turn machine OFF, discontinue use and return to an authorized service center.



### Flammability Warning

NEVER fill unit with flammable chemicals. Do NOT use in an area where flammable fumes are present.



### State of California Proposition 65 Warnings

WARNING: This product contains one or more chemicals known to the state of California to cause cancer.

WARNING: This product contains one or more chemicals known to the state of California to cause birth defects or other reproductive harm.



### Intended Use

Do NOT modify this unit in any way or adapt it for any other use. Modification of this unit in any way will void all warranties and could create safety hazards.

Technical Specification	
Model	PE010-G03-U
Input Voltage	115 VAC
Plug Type	US
Solution Tank	3.5 Gal/13.2 l
Recovery Tank	2.5 Gal/9.5 l
Dimensions	23" x 11" x 23"/58cm x 28 cm x 58 cm
Weight	35 lbs./16kg
Waterlift	89"/226 cm
CFM/CMM	104/3
Solution Pressure	55 p.s.i./3.8 BAR

### Filling the Pro Spotter

- Unplug the unit.
- Disconnect the solution and recovery tanks.
- Remove the upper recovery tank.
- Add water and/or chemicals to the lower solution tank. Fill only to the fill line indicated on the label on the inside of the solution tank. The tank will hold up to 3.5 gallons.

### Operating the Pro Spotter

- Attach the solution hose to the quick disconnect in the pocket at the front of the machine.
- Attach the vacuum hose to the vacuum inlet (handle) above the recovery tank lid.
- Turn the 3-way switch to use either the pump and vacuum or the vacuum alone. (Allow approximately 30 seconds for the pump to prime).
- Use the hand tool to spray and recover the solution.
- The float shut-off will disable the suction of the unit when the recovery tank is full. The operator will notice a distinctive change in the sound of the vacuum motor when the shut-off is activated. Empty the recovery tank, and then fill the solution tank, to resume cleaning.

### Emptying the Recovery Tank

- Unplug the unit.
- Disconnect the solution line and vacuum hose.
- Unlatch the recovery tank from the base of the unit and remove.
- Remove the drain plug.
- Drain the tank over a suitable outlet for wastewater.
- Rinse the tanks after each use.
- Store the unit with the lid off of the recovery and allow it to air dry.



## TROUBLESHOOTING

Solution Hose Connection

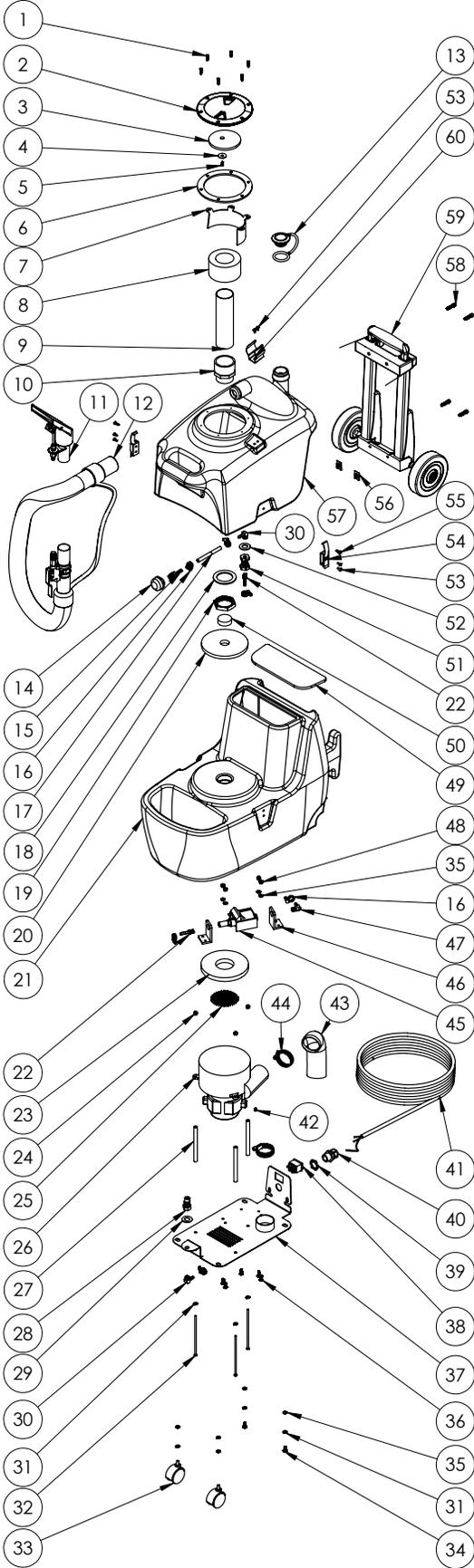


3-Way Switch

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No Spray	Pump is not primed.	Depress lever on hand tool to release pressure.
Low Solution Flow	Solution tank level is low. Clogged filter.  Clogged Spray jet.	Refill Solution tank.* Clean the screen filter on the hose in the solution tank. Clean the spray jet in the hand tool.
Low Suction	Recovery tank is full. Clogged Hand Tool or hose. Excessive foam.	Empty recovery tank. Clean Hand Tool and hose. Add defoamer to recovery tank.

\*Before re-filling the solution tank, always empty the recovery tank.



## PARTS LIST

No.	Part No.	Qty	Description
1	X8295	6	Screw, #8 x 3/4"
2	PX103A	1	Screw-In Lid 4" w/Black Ring
3	X9061	1	Shut Off Disk
4	X9087	1	Washer
5	X9088	1	Screw 8-18 x 1/2"
6	PX103AG	1	Lid Gasket
7	X9518	1	Deflector
8	X9062	1	Float
9	X9082	1	Pipe 1-1/2 x 6-1/2"
10	X9076	1	Bulkhead Fitting 1-1/2" MPT x 1-1/2" Female Slip
11	AA195	1	Detailer Tool 1-1/2"
12	X9058	1	Stretch Hose Assembly 10' (PFS36)
12	X2058	1	Non-Stretch Hose Assembly 10' (PFS36KIT)
13	PAS36	1	Drain Hose Plug and Strap
14	PX30	1	Solution Tank Filter
15	PX213	1	Nylon Fitting 1/4" MPT x 1/4" Hose Barb
16	7DL003	6	Hose Clamp
17	71817A	26"	Hose, 1/4" 250 PSI
18	PX14A	1	Gasket
19	PX46	1	Lock Nut
20	X9079	1	Gasket
21	X1920BLK	1	Solution Tank
22	PC66	2	Hose Barb 1/4"H x 1/8MPT
23	X9696	1	Gasket
24	X8237	3	Nyloc Nut
25	X9060	1	Vacuum Motor Screen
26	1942-A	1	Vacuum Motor 2 Stage 115V
27	X9045	3	Spacer
28	PC10	1	QD Male 1/8" x 1/8" NPT
29	X9412	1	Washer
30	7AT006	2	Brass 90° Elbow Fitting 1/4" Barb x 1/8" MPT
31	X8212	8	Washer
32	X8291	3	Screw 1/4-20 x 5-1/2"
33	X9047	2	Swivel Caster 45mm 1/4-20 x 3/4"
34	7BS003	2	Screw 1/4-20 x 1/2"
35	00-0600-0503	8	Washer

**PARTS LIST**

No.	Part No.	Qty	Description
36	30676	5	Screw 10-24 x 5/8"
37	X9046	1	Base Plate
38	X9048	1	Rocker Switch
39	X8008N	1	Steel Conduit Lock Nut 1/2"
40	PD8	1	Plastic Strain Relief
41	X9719	1	Cord 18/3 SJTW 15' Black
42	X8201	1	Screw #8 x 3/8"
43	7CZ001	1	Vacuum Hose 2"
44	PX215	2	Hose Clamp
45	FJ5082	1	Pump
46	PX204	2	Pump Mount
47	PX214	1	Nylon Fitting 90° 1/8" MPT x 1/4" Hose Barb
48	X8271	5	Nyloc Nut
49	X9064	1	Gasket
50	PX209	1	Foam Filter
51	7AJ004	1	Brass Anchor Connector 1/8" FPT x MPT
52	72115A	1	Washer
53	X8262	6	Screw 8-32 x 1/4"
54	X9059	2	Latch w/Keeper
55	X8278	2	Screw 8-32 x 1/2"
56	X9106	2	Nut
57	X1921BLU	1	Recovery Tank Blue
58	X9065	4	Screw 1/4-20 x 1"
59	X8990	1	Handle w/Wheel Assembly
60	72173A	1	Spring Clip
Not Shown	X2045	1	Fill Line Indicator Label

# Powr-Flite®

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## Record of Purchase



Serial Number: \_\_\_\_\_  
Purchase Date: \_\_\_\_\_  
Dealer: \_\_\_\_\_  
Phone Number: \_\_\_\_\_