SPYDER
Electric Pressure Washer
Assembly, Care and Use Instructions
SPY1900M

Read carefully. Retain these instructions and attach receipt to manual for future reference.

IMPORTANT: NEVER use an extension cord with this unit. It may cause damage to the motor and VOID the warranty.

ALWAYS WEAR EYE PROTECTION TO PREVENT INJURY TO EYES WHEN OPERATING THE POWER WASHER.

Questions, problems, missing parts?
Before returning to your retailer, call our customer service department at 1-855-770-7529, 9:00 a.m. - 4:00 p.m., EST, Monday - Friday. www.powerplaypro.com

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WARNING
Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment in a well-vented area and wear gloves or wash your hands frequently when servicing your equipment. For more information go to www.65Warnings.ca.gov.
### Package Contents

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<th>Part</th>
<th>Description</th>
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<tr>
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<td>Hose Holder</td>
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<td>F</td>
<td>O-Ring Replacement Kit</td>
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<td>G</td>
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<td>J</td>
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<td>Foam Cannon Bracket</td>
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### Product Specifications

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<th>Amps</th>
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Safety Information

Please read and understand this entire manual before attempting to assemble, operate, or install the product.

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.

⚠️ **DANGER**
Potential hazard that will result in serious injury or loss of life.

⚠️ **WARNING**
Hazard that could result in serious injury or loss of life.

⚠️ **CAUTION**
Potential hazard that may result in moderate injury or damage to equipment.

**Note:** The word “Note” is used to inform the reader of something the operator needs to know about the tool.

**WARNING**

To reduce the risk of injury, the user must read and understand the instructions before using this product.

- **WARNING** – When using this product, basic precautions should always be followed, including the following:
  - **ALWAYS** take time to read all the instructions before using the product.
  - Understand and know how to safely stop the product and bleed pressures quickly. Be fully familiar with all controls.
  - Keep operating area clear of all people, animals and hazardous objects.
  - **DO NOT** overreach or stand on unstable support. Keep good footing and balance at all times.
  - Follow the maintenance instructions as specified in the manual.
  - It is recommended to carefully read and understand all operating aspects of the pressure washer outlined in this manual to avoid personal injury and/or damage to property and to maximize your power washing experience.
  - This power washer conforms to CSA and other safety and consumer standards. **DO NOT** modify or rebuild any part of your power washer.

- **DO NOT** use your power washer when you are under the influence of alcohol or drugs. Use this power tool carefully and only when you are alert.
- Watch your balance and footing while using your power washer. Surfaces become slippery when wet and are extra slippery when using a detergent or cleaner.
- **NEVER** operate the power washer in bare feet, sandals, or open-toed shoes.
- When using the power washer near children, make sure they are closely supervised by an adult to avoid injury. **NEVER** let a child use the power washer.
- **DO NOT** touch the high pressure spray with your fingers, hands, feet and be careful to avoid any contact with your eyes as the powerful spray can cause blindness or blast holes in the skin.
- **ALWAYS** wear eye protection to prevent injury to eyes when operating the power washer.
- To avoid accidents causing injury, **ALWAYS** use the trigger safety lock when the power washer is not in use even if the spraying stops for a moment.
- Point the spray gun in a safe direction when beginning to use your pressure washer.
- **NEVER** spray directly at a person, animal, electrical device, or the unit itself. The pressure washer can break glass if hit with direct contact.
- When first using the spray gun, hold the spray gun and lance with two hands when pulling the trigger (one hand to pull the trigger and the other to stabilize the gun) until you get used to the “recoil” from the spray gun.
- When you turn the power switch to the off position, water pressure may remain in the system. To release the pressure, point the spray gun in a safe direction and pull the trigger.
- **NEVER** spray flammable liquids.
- **NEVER** use the power washer in areas that contain combustible dust, liquids or vapors.
- Examine the hose regularly. Replace if damaged. Due to the high pressure involved, it cannot be repaired if cut or damaged.
- Only use detergent specifically formulated for power washers and follow instructions on the detergent’s label.
- Detergent can be harmful to your skin, eyes and lungs. Please be cautious when handling any chemicals. Dish and laundry soap is too thick and will clog the nozzle of your detergent bottle.
Safety Information

**IMPORTANT:** Store the power washer indoors in a heated environment to prevent the water in the unit from freezing and expanding. When the water freezes and expands, the high-pressure pump will crack and render the pressure washer inoperable. It is recommended you use pump saver (not included) to protect pumps from freezing and cracking.

- **NEVER** use hot water with your power washer. It will overheat and damage the seals and components in the high-pressure pump that cannot be repaired.
- **NEVER** leave the power washer “ON” while it is unattended.
- **ALWAYS** turn the water supply “ON” before turning the power washer power to “ON”. Running the pump dry of water will cause damage to the internal components and render the pressure washer inoperable.
- **NEVER** use a water supply to your power washer that exceeds 150 PSI maximum.
- **NEVER** disconnect the high pressure hose from the power washer while the system is pressurized.
- **NEVER** permanently engage the trigger mechanisms on the spray gun.
- **NEVER** operate the power washer unless all components are properly and securely connected.
- **NEVER** allow the power washer pump to run for more than one minute after you have turned off the water supply. This can cause the motor and pump to overheat and fail.
- **NEVER** use an extension power cord since it causes voltage drop and can burn the motor. Also increases risk of electric shock to the operator.
- **NEVER** use lances or other parts that are not compatible for this specific PowerP1 lay unit.
- **NEVER** spray any electrical outlet with your power washer.
- Inspect the power cord before using. **DO NOT** use it if it is damaged.

**KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

**Servicing of a Double-Insulated Appliance**

**Ground Fault Circuit Interrupter Protection:**

The SPY1900M pressure washer has a ground-fault circuit-interrupter (GFCI) built into the plug of the power-supply cord. A GFCI provides additional protection from the risk of electric shock. If replacement of the plug or cord is necessary, use identical replacement parts that include GFCI protection.

In a double-insulated product, two systems of insulation are provided instead of grounding. Grounding means are not provided for a double insulated product, nor should grounding means be added to the product.

Servicing a double-insulated product requires extreme care and knowledge of the system, and should only be done by qualified service personnel.

A double-insulated product is marked with the words “Double Insulation” or “Double Insulated”. Product may also be marked with symbol shown below:

![Double Insulated Product](image)
Preparation

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents list. If any part is missing or damaged, contact customer service at 855-770-7529, DO NOT attempt to assemble the product.

Estimated Assembly Time: 10 minutes

Assembly Instructions

Slide caster (C) tab into slot on bottom corner of power washer unit (D). Repeat for the remaining casters.

Slide hose holder (E) onto tab on the right side of power washer unit (D).
1. Slide foam cannon bracket (M) onto tab on back of power washer unit (D).

2. Slide upper spray gun holder (A) tab into slot on left side of power washer unit (D).

3. From below, slide lower spray gun holder (B) tabs into slots on bottom left side of power washer unit (D).
Hold back the collar at one end of the hose (G). Push firmly to connect hose fitting to the water outlet tube on the front of the power washer unit (D). Twist the collar clockwise to secure. Confirm hose is locked into the water outlet by slightly pulling on the hose.

**Note:** DO NOT use pliers or locking pliers to tighten.

Hold back the collar at the other end of the hose (G). Push firmly to connect hose fitting to spray gun (H). Twist collar clockwise to secure. Confirm hose is locked into spray gun by slightly pulling on them.

To remove the hose, twist collar counter clockwise then pull back to release the hose (G) connection from the spray gun (H).
Assembly Instructions

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To lock the trigger of the spray gun (H), aim the gun away from you and pull up on the safety lock (I). After doing so, squeeze or pull the trigger to make sure it is locked and will not move. **ALWAYS** keep spray gun (H) locked when not in use.

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Insert lance (J) into spray gun (H) and turn clockwise to tighten (**DO NOT** overtighten).

**Note:** **ALWAYS** engage the safety lock (I) when changing lances and spray tips to ensure that they do not accidentally eject with force during removal.

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Attach spray tips (K) into end of lance (J) by pressing selected tip into place. It will make a “click” sound when firmly in place.

**Note:** **ALWAYS** engage the safety lock (K) when changing lances and spray tips to ensure that they do not accidentally eject with force during removal.
Assembly Instructions

Attach a garden hose to the garden hose adapter on the back of the power washer unit (D).

Note: Flush out garden hose before connecting to garden hose adapter.

Assembly is now complete. Read and observe all safety instructions before turning on the power washer.

Important Initial Startup

Release the spray gun safety lock (I) on the spray gun (H). Remove spray tips/nozzles from the lance. Point the spray gun in a safe direction and squeeze the trigger until there is a steady stream of water, releasing water and air out of the hose. Then turn the machine to the “ON” position starting the motor, press and hold the trigger on the spray gun for 30 Seconds to flush the system of any foreign material that may block the spray tip or nozzle, causing the machine to “pulse on and off the pressure switch.” Once completed insert the spray tip of your choice.
Operating Instructions

1. Turn on water supply at the faucet.
2. Make sure the “ON/OFF” switch is in the “OFF” position. The power switch has international symbols: On (|) Off (O).
3. Completely unwind the power cord and plug into a grounded 120 volt outlet.
4. Release the spray gun safety lock (I) on the spray gun (H). Point the spray gun in a safe direction and squeeze the trigger until there is a steady stream of water, releasing water and air out of the hose. Lock the spray gun.
5. Turn the power switch to the “ON” (|) position. The unit will run on for 1 - 2 seconds and shut off. This is a normal function of the auto-start feature.
6. Begin power washing by squeezing the trigger all the way into the handle.
7. Release the trigger to stop the power washer.
8. Allow the motor to come to a complete stop before squeezing the trigger again.
9. Squeezing the trigger rapidly will cause the auto-start feature to miss an on/off cycle and may prevent the washer from turning on. Use slow, deliberate trigger pulls to avoid this.
10. ALWAYS test a small area to avoid damaging the surface.

Operation Tips

- When using detergent, fill bottle with a properly formulated detergent-to-water ratio, following instructions on the container.
- **DO NOT** use thick, gel-like detergents, as they will clog the power washer and can cause damage.
- It is normal to hear the motor run intermittently when the trigger is not being squeezed. The pump is priming itself to operate when the trigger is squeezed.
- Turn off the power washer if not being used after five minutes.
- The O-rings in the hose should be cleaned regularly and lubricated with non-water soluble grease such as petroleum jelly.
- Keep the spray tip cleaning wire nearby for unclogging the tips.

How to Avoid Damaging Surfaces

- Damage to surfaces being cleaned occurs when the impact force of the water pressure exceeds the durability of the surface. Bare wood can be penetrated; paint can be peeled off, etc. You can vary the force of the power washer by adjusting:
  1. The angle of the nozzle to the surface being cleaned.
  2. The distance from the nozzle to the surface being cleaned.
- **NEVER** use a narrow, high-pressure stream of water on soft surfaces.
- When cleaning windows, it is recommended to use a minimum of 25° spray tip to protect the glass. A 0° spray tip is too concentrated of a spray and may shatter the window. Position spray tip at a 45° angle, approximately four to five feet away from the window. Squeeze the trigger and vary the spray pattern and angle until optimum cleaning efficiency is achieved.
Using the Foam Cannon
1. Unscrew fluid tank from foam cannon valve assembly.
2. Fill fluid tank with water (for best results, use warm water.)
3. Add 1-3 ounces of your favorite detergent to the fluid tank.
4. Attach fluid tank to foam cannon valve and attach assembly to the gun. Use the control knob to change the flow of soap + (more) or - (less).
5. When finished, run clean plain water through the pressurized foaming system to purge soap from the internal components.

Flush with hot water for added cleansing power.

Care and Maintenance

Detergents
• Use detergents designed for power washers. Hardware stores or home centers may offer detergents for different cleaning projects. The cleaning solution should be the consistency of water in order to prevent detergent bottle and spray tip from clogging.
• ALWAYS spray detergent on a dry surface.
• DO NOT pre-soak area. Wetting the surface first dilutes the detergent and reduces its cleaning ability.
• DO NOT allow detergent to dry on surface. On vertical surfaces, apply detergent to lower surfaces first and work your way up to prevent streaks in the dirt and grime. Rinse detergent by pressure washing from bottom up for same reason.
• For tough stains, it may be necessary to reapply the detergent and use a bristled brush to scrub the stain. Subsequent power washing after brushing should successfully remove dirt.

Cleaning Garden Hose Adapter
The screens inside the garden hose adapter should be cleaned periodically.
1. Rinse with clean water.
2. Place back into the adapter.
**Cleaning Spray Tips**
A clogged spray tip can significantly reduce water pressure and/or cause the unit to pulsate while spraying.

1. Turn off the unit and the water supply.
2. Relieve any pressure trapped in the hose by squeezing the trigger 2-3 times, then lock the spray gun.
3. **ALWAYS** remove spray tips before cleaning.
4. Using the spray tip cleaner provided, insert the wire into the spray tip hole and slide back and forth until debris is dislodged.
5. Back flush water through the spray tip using a garden hose and highest pressure available (hold thumb over water nozzle to increase pressure).

**Storage**
1. When the pressure washing session is complete, turn off the power switch.
2. Unplug the power cord from the outlet.
3. Turn off the water supply. Pull the trigger on the spray gun 2-3 times to drain out excess water and to release any remaining water pressure.
4. Disconnect the garden hose adapter from the water inlet. **DO NOT** allow the power washer to run with no water flowing through it.
5. It is recommended to run pump saver through the pump and high pressure hose.
   5a. Install the pump saver by attaching the bottle to the garden hose adaptor and open the valve on the bottle.
   5b. Plug in the power-cord and turn the pressure washer on/off switch to the “on” position and pull the trigger for 5 seconds in order to activate the pump and purge the pump saver through the pump system and hose.
   5c. Once you are done, turn the on/off switch to the “off” position, pull the trigger to release the internal pressure and then disconnect the hose and accessories from the power washer.
6. Remove hose from spray gun.
7. Remove lance from spray gun. Place the gun in the holder on the side of the unit. Place lance into any of the slots in the back of the unit.
8. Hook the power cord around the power cord holder.
## Troubleshooting

If you have any questions regarding the product, please call customer service at 1-855-770-7529.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Corrective Action</th>
</tr>
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</table>
| Unit will not turn on. | 1. Make sure the power washer is OFF. Plug the electrical cord into a grounded 120 volt outlet (no electrical extension cord should be used). If the electrical cord will not plug into your outlet, your electrical outlet is not properly grounded and should not be used. Use another electrical outlet.  
2. Pull trigger on gun to ensure water flow.  
3. If it is still not working, call Customer Service.  
**Note:** When power switch is turned on, the power washer will turn on by itself for 1-2 seconds and shut off. |
| The unit is running but there is no water flow. | 1. Check the water source. Unclog the spray tip on the lance. (See spray tip cleaning instructions under “Cleaning Spray Tip”.) Or, remove the lance and spray directly out of the spray gun. This will indicate if the problem is with the lance. |
| Water is leaking where the hose connects to the spray gun. | 1. Make sure there is an o-ring at the end of the metal tip of the hose. If no o-ring is present, the connection between the hose and spray gun will leak. O-Ring replacements are included in the package contents. |
| The power washer turns on for 2 seconds, shuts off, and will not turn back on. Is the unit defective? | 1. When the water is connected, the accessories are assembled properly, and the power switch is turned on, the power washer may turn on for 1 - 2 seconds to prime the pump. It automatically shuts off and waits for the spray gun trigger to be pressed. When the trigger is pressed, water starts flowing through the pump. The water sensor in the pump detects the moving water and automatically turns the power washer on.  
2. Turn the power switch to ‘Off’, press the trigger on the spray gun so that you have a steady stream of water. Continue pressing the trigger, open the spray gun and at the same time, turn the power switch ‘On’. |
Warranty

The one year limited consumer warranty of this product is covered by Powerplay Corporation.

This product has a 1 (one) year limited consumer warranty. Please read the following carefully to understand what the warranty entails:

This product is under warranty to the original retail consumer against defects in material and workmanship for a period 1(one) year. The warranty is not transferable or assignable. This warranty covers replacement parts. This limited one year warranty applies only to products used in consumer applications and is void in rental or any commercial application. Reasonable care must be used in conformity with operation and maintenance instructions in the owner’s manual and quick start guide. Failure to follow these instructions will void this warranty. This warranty gives you special legal rights and you may also have other rights which vary from state to state.

Warranty Process
Keep your original receipt of purchase in case of warranty claim.

If your power washer develops a problem, contact Customer Service:

• Call our toll-free number at 1-855-770-7529. Customer Service is available Monday - Friday 9:00 a.m. to 5:00 p.m. Eastern Standard Time (EST). The customer service representative will work with you to fix the problem.

If the power washer needs to be returned for repair, shipping costs to the company must be paid by the customer. **A Return Merchandise Authorization (RMA) Number will be issued for the return.** Upon receiving the power washer, the company will repair or replace the unit. We will send unit back to customer at no charge.

Please note: Power washers sent to the company **without an RMA Number will NOT be accepted** and shipped back at the expense of the sender.

Return address:
Powerplay Corporation
2385 St-Francois
Dorval, Quebec H9P1K3
Canada
**Replacement Parts**

For replacement parts, call our customer service department at 1-855-770-7529. 9:00 a.m. - 4:00 p.m., EST, Monday - Friday or order online at www.powerplaypro.com.

<table>
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<tr>
<th>Part</th>
<th>Description</th>
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