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› [PowerSmart](#) /
› [PowerSmart Gas Pressure Washer 3400 PSI, 2.5 GPM User Manual](#)

PowerSmart DB1051

PowerSmart Gas Pressure Washer

MODEL: DB1051

User Manual

Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your PowerSmart Gas Pressure Washer, Model DB1051. Please read and understand all instructions before operating the unit. Keep this manual for future reference.



Figure 1: PowerSmart Gas Pressure Washer Model DB1051, showing the main unit, 5 quick-connect nozzles, and the 27ft high-pressure hose.

Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This pressure washer is designed for outdoor use only. Do not operate indoors or in enclosed spaces due to exhaust fumes.

- **Read all instructions:** Familiarize yourself with the controls and proper use.
- **Fuel Safety:** Handle gasoline with extreme care. It is highly flammable. Store fuel in an approved container in a well-ventilated area.
- **Engine Exhaust:** The engine exhaust contains carbon monoxide, a colorless, odorless, poisonous gas. Operate only in well-ventilated areas.
- **High Pressure Spray:** The high-pressure stream can cause serious injury. Never direct the spray at people, pets, or electrical devices.

- **Eye Protection:** Always wear safety goggles or glasses with side shields.
- **Footwear:** Wear appropriate footwear that will provide good traction and protect your feet.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Stability:** Ensure the pressure washer is on a stable, level surface during operation.

Components Overview

Your PowerSmart Gas Pressure Washer comes with several key components designed for efficient cleaning. Understanding each part is crucial for proper operation.

- **212cc OHV Engine:** The powerful 4-stroke engine provides the necessary power for high-pressure cleaning.
- **High-Pressure Pump:** Converts engine power into water pressure, delivering up to 3400 PSI and 2.5 GPM.
- **3L On-board Soap Tank:** Allows for easy application of detergent.
- **Metal Spray Wand:** Durable wand for directing the high-pressure spray.
- **5 Quick-Connect Nozzles:** Interchangeable nozzles for various cleaning tasks.
- **27ft High-Pressure Hose:** Provides extended reach for cleaning large areas.
- **Rugged Steel Frame with 10" Pneumatic Wheels:** Ensures stability and easy portability.

3400PSI GAS PRESSURE WASHER



212cc
Engine

3600
Rpm

4
Stroke

Figure 2: Detail of the 212cc OHV engine, which is a 4-stroke engine operating at 3600 RPM.



Figure 3: Illustration of the powerful pump, capable of delivering 2.5 GPM and up to 3400 PSI.

Setup

The PowerSmart Gas Pressure Washer is 95% pre-assembled for quick setup. Follow these steps for initial preparation:

- 1. Unpack:** Carefully remove all components from the packaging.
- 2. Attach Handle:** Secure the handle to the main unit using the provided hardware.
- 3. Connect High-Pressure Hose:** Connect one end of the 27ft high-pressure hose to the pump outlet and the other end to the spray wand. Ensure connections are tight to prevent leaks.
- 4. Connect Garden Hose:** Attach a standard garden hose (not included) to the water inlet on the pressure washer. Ensure the water supply is clean and free of debris.
- 5. Add Engine Oil:** Fill the engine crankcase with the recommended engine oil (refer to the engine manual for type and capacity). Do not overfill.
- 6. Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not overfill. Leave space for expansion.
- 7. Fill Soap Tank (Optional):** If using detergent, fill the 3L on-board soap tank with pressure washer safe detergent.

Operating Instructions

Follow these steps for safe and effective operation of your pressure washer.

Starting the Pressure Washer

- Ensure all hoses are securely connected and the water supply is turned on.
- Purge air from the system by squeezing the trigger on the spray wand until a steady stream of water flows out.
- Set the engine switch to the 'ON' position.
- Move the choke lever to the 'FULL CHOKE' position (for cold starts).
- Pull the recoil starter handle firmly and smoothly until the engine starts.
- Once the engine starts, gradually move the choke lever to the 'RUN' position.

Using the Pressure Washer and Nozzle Selection

The pressure washer comes with 5 quick-connect nozzles, each designed for specific cleaning tasks. Select the appropriate nozzle based on the surface and cleaning intensity required.

5 NOZZLES, 5 CLEANING MODES

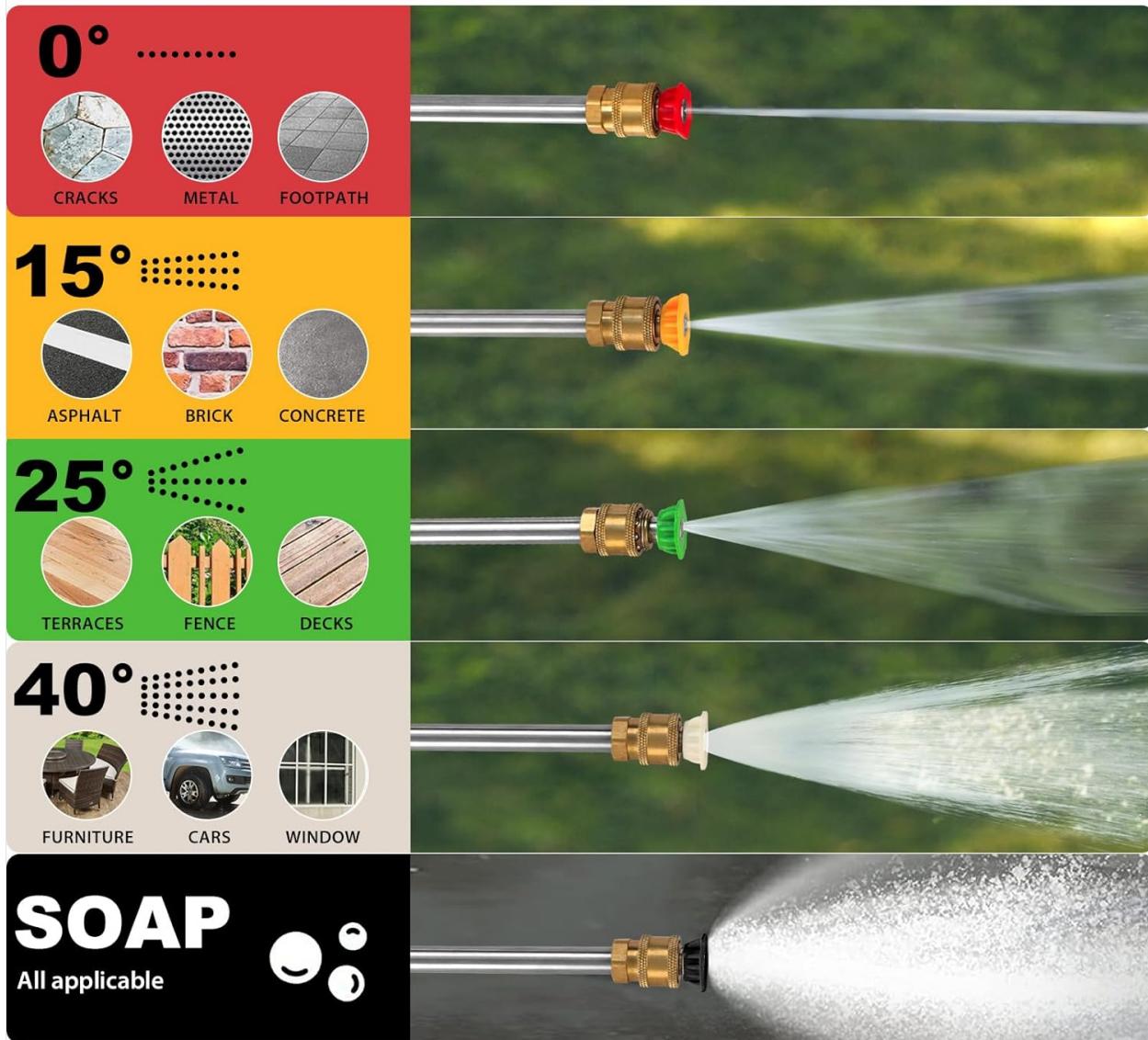


Figure 4: The five quick-connect nozzles, offering different spray patterns and intensities for various cleaning applications.

- **0° Red Nozzle (Pencil Jet):** *Most Abrasive.* Delivers a concentrated, high-impact stream. Use for tough, localized stains on concrete, metal, or for removing cracks in pavement.



- **15° Yellow Nozzle (Chisel Tip):** *Medium Abrasive.* Provides a 15-degree fan spray. Ideal for general cleaning of hard surfaces like concrete, asphalt, and brick.

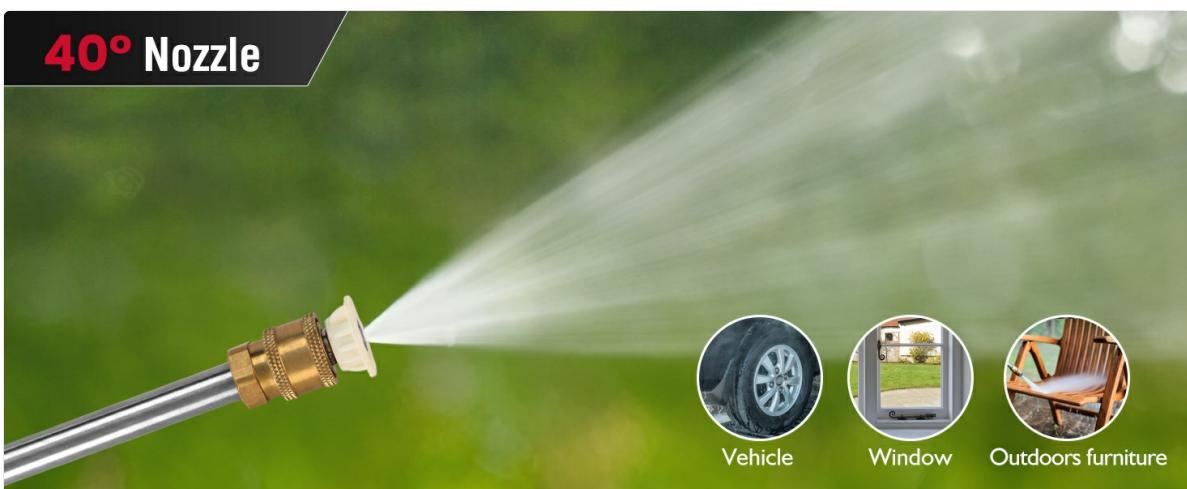
15° Nozzle



- **25° Green Nozzle (Fan Spray):** *Less Abrasive.* Offers a 25-degree fan spray. Suitable for general cleaning of wood decks, fences, and patios.

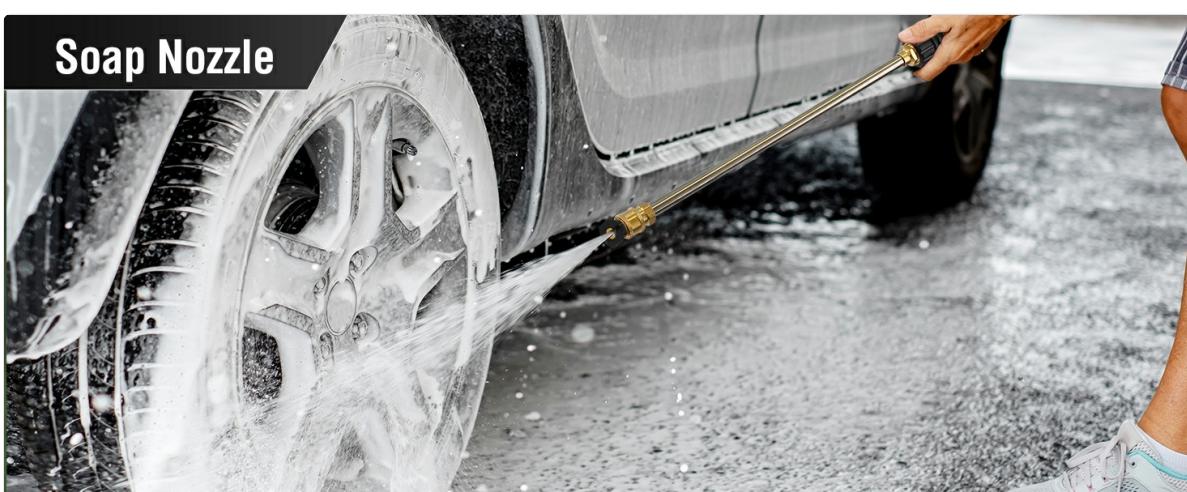
- **40° White Nozzle (Wide Fan Spray):** *Gentle.* Produces a 40-degree wide fan spray. Best for delicate surfaces like vehicles, windows, and outdoor furniture.

40° Nozzle



- **Black Soap Nozzle:** *Lowest Pressure.* Used for applying detergent at low pressure. Activates the soap tank.

Soap Nozzle



Always test the spray on an inconspicuous area first to avoid damage. Maintain a safe distance from the surface being cleaned.



Figure 5: Operating the pressure washer to clean a patio, demonstrating effective use for hard surfaces.

MOVE FREELY WITH 27FT HOSE

Clean without limits with full car coverage



Figure 6: The 27ft high-pressure hose allows for extensive coverage, enabling cleaning of large items like cars without repositioning the unit.

Stopping the Pressure Washer

1. Release the trigger on the spray wand.
2. Turn the engine switch to the 'OFF' position.
3. Turn off the water supply.
4. Squeeze the trigger on the spray wand to release any remaining pressure in the system.
5. Disconnect the garden hose and high-pressure hose.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your pressure washer.

- **Engine Oil:** Check engine oil level before each use. Change oil after the first 5 hours of operation, then

every 50 hours or annually.

- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if necessary.
- **Fuel Filter:** Check and clean the fuel filter periodically.
- **Nozzles:** Clean clogged nozzles with the included nozzle cleaning tool.
- **Hoses and Connections:** Inspect hoses for kinks, cuts, or leaks. Ensure all connections are secure.
- **Storage:** For long-term storage, drain all fuel from the tank and carburetor. Run the engine until it stops from lack of fuel. Store in a dry, protected area, away from freezing temperatures.

Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Engine switch OFF; Choke not set; Clogged fuel filter; Fouled spark plug	Add fuel; Turn engine switch ON; Adjust choke; Clean/replace fuel filter; Clean/replace spark plug
Low pressure	Clogged nozzle; Insufficient water supply; Air in pump; Worn pump seals	Clean nozzle; Ensure adequate water flow; Purge air from system; Contact service for pump repair
Pulsating pressure	Air in pump; Clogged nozzle; Water supply restriction	Purge air; Clean nozzle; Check garden hose for kinks or blockages
Water leaks	Loose connections; Damaged O-rings/seals; Cracked hose	Tighten connections; Replace O-rings/seals; Replace hose

Specifications

Feature	Specification
Brand	PowerSmart
Model Number	DB1051
Power Source	Gas-powered
Engine	212cc OHV, 4-stroke
Maximum Pressure	3400 PSI
Maximum Flow Rate	2.5 GPM
Soap Tank Volume	3 Liters

Feature	Specification
Hose Length	27 feet
Item Weight	60 Pounds
Product Dimensions (L x W x H)	22.4" x 18.5" x 34.8"
Color	Red, Black

Warranty and Support

PowerSmart is committed to providing reliable products and dependable service. Like all tools and equipment, products sometimes require repair or replacement.

PowerSmart has over 500 certified repair centers in the U.S. and provides full replacement parts through its Illinois headquarters. For any issues or support needs, please contact PowerSmart customer service.

For more information, you may visit the official PowerSmart store:[PowerSmart Store on Amazon](#).

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Related Documents - DB1051

	<p>PowerSmart DB2322SR 22" 3-in-1 Gas Self-Propelled Lawn Mower Instruction Manual</p> <p>This instruction manual provides essential information for the safe operation, maintenance, and troubleshooting of the PowerSmart DB2322SR 22" 3-in-1 gas self-propelled lawn mower. Includes technical data, safety guidelines, and parts list.</p>
	<p>PowerSmart PSM2521SR 21-Inch 3-in-1 Gas Self-Propelled Lawn Mower Instruction Manual</p> <p>This instruction manual provides detailed information on the safe operation, maintenance, and troubleshooting of the PowerSmart PSM2521SR 21-inch 3-in-1 gas self-propelled lawn mower.</p>

 <p>POWERSMART[®] INSTRUCTION MANUAL EN 21" 3-in-1 GAS PUSH LAWN MOWER FR 21" 3-in-1 TONDEUSE A GAZ 3 EN 1 ES 21" 3-in-1 CORTADORA DE CÉSPED A GASOLINA Model # PSM2521PH DO NOT RETURN TO STORE</p>	<p>PowerSmart 21-inch 3-in-1 Gas Push Lawn Mower PSM2521PH Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart 21-inch 3-in-1 Gas Push Lawn Mower, model PSM2521PH. Covers technical data, safety guidelines, operation, maintenance, troubleshooting, and parts information for safe and efficient lawn care.</p>
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