

Powerhorse RM

Powerhorse 4400 PSI Gas Cold Water Pressure Washer Instruction Manual

Model: RM

1. PRODUCT OVERVIEW

The Powerhorse Gas Cold Water Pressure Washer is designed for efficient and powerful cleaning. This unit features a Powerhorse 420cc OHV engine and a dependable Annovi Reverberi direct drive triplex pump. It is capable of delivering 4.0 GPM at 4000 PSI, making it suitable for tough cleaning jobs. Built-in safeguards include thermal protection and low oil shutdown. The rugged steel cart with flat-free tires ensures portability. The package includes 5 quick-connect nozzles, a 35ft. 3/8in. hose, lance, and gun.



Figure 1: Front view of the Powerhorse Gas Cold Water Pressure Washer.

Key Features:

- Powerhorse 420cc OHV engine with low oil shutdown
- Annovi Reverberi direct drive triplex pump
- Stainless steel ceramic-coated plungers
- Brass manifold
- Easy Start for convenience

Video 1: Overview of the Powerhorse Gas Cold Water Pressure Washer (4000 PSI, 4.0 GPM).

2. SETUP INSTRUCTIONS

2.1. Fueling the Engine

Ensure the engine is off and cool before adding fuel. The fuel tank capacity is 1.5 liters. Use fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 fuel.

2.2. Adding Engine Oil

Before first use, or after an oil change, fill the engine with the recommended oil type (typically SAE 10W-30). Use the dipstick to ensure the oil level reaches at least the 'L' (Low) mark, but do not overfill. The engine has a low oil shutdown feature to prevent damage.

2.3. Connecting the Water Supply

Connect a standard garden hose to the water inlet on the pressure washer. Ensure all connections are tight to prevent leaks. Open the water source completely. Before starting the engine, pull the trigger on the spray gun to purge air from the pump and hose until a steady stream of water flows out.



Figure 2: Side view showing the water inlet connection for the garden hose.

2.4. Selecting the Nozzle

The pressure washer comes with 5 quick-connect nozzles, each designed for different applications:

- **Red (0°) Nozzle:** Delivers a concentrated, high-impact stream for tough stains and hard-to-reach areas. Use with extreme caution.
- **Yellow (15°) Nozzle:** Provides a 15-degree fan spray for intense cleaning of smaller areas.
- **Green (25°) Nozzle:** Offers a 25-degree fan spray for general cleaning tasks on various surfaces.
- **White (40°) Nozzle:** Produces a wide 40-degree fan spray for gentle cleaning of delicate surfaces.
- **Black (Soap) Nozzle:** Used for applying detergent at low pressure.

Always select the appropriate nozzle for your cleaning task to avoid damaging surfaces. Start with a wider spray pattern and lower pressure on a small, inconspicuous area.





Figure 3: Nozzle storage on the control panel.

3. OPERATING INSTRUCTIONS

3.1. Starting the Engine

1. Ensure the fuel valve is in the 'ON' position.
2. Move the choke lever to the 'CHOKE' position (if the engine is cold).
3. Turn the engine switch to the 'ON' position.
4. Pull the recoil starter slowly until resistance is felt, then pull briskly to start the engine.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.



Figure 4: Turning the engine switch to the 'ON' position.

Video 3: Instructions on how to correctly start the pressure washer engine.

3.2. Using the Pressure Washer

With the engine running and water flowing, you can begin cleaning. Hold the spray gun firmly with both hands and maintain a safe distance from the surface being cleaned. Adjust your distance and nozzle choice to achieve the desired cleaning effect without causing damage.



Figure 5: Operating the pressure washer to clean a patio surface.

Video 4: Demonstration of the pressure washer's cleaning capability.

3.3. Applying Detergent

To apply detergent, attach the black (soap) nozzle. Place the detergent siphon tube into a container of pressure washer-safe detergent. The pressure washer will automatically draw detergent when the black nozzle is in use. After applying detergent, switch to a high-pressure nozzle (e.g., green or yellow) to rinse the surface thoroughly.



Figure 6: Adding detergent to the onboard chemical tank.

3.4. Shutting Down the Pressure Washer

1. Turn off the engine switch.
2. Turn off the water supply.
3. Pull the spray gun trigger to release any remaining pressure in the system.
4. Disconnect the garden hose and high-pressure hose.

4. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pressure washer. Always refer to the full owner's manual for detailed maintenance schedules and procedures.

4.1. General Maintenance Tips

- **Check Oil Level:** Before each use, check the engine oil level and add if necessary.
- **Clean Air Filter:** Regularly inspect and clean the air filter. A dirty air filter can reduce engine performance.

- **Inspect Hoses and Nozzles:** Check hoses for cracks or leaks and nozzles for blockages or wear.
- **Spark Plug:** Inspect and clean or replace the spark plug as recommended in the full manual.

4.2. Storage

For long-term storage, especially in freezing temperatures, it is crucial to properly prepare the unit:

- Drain all fuel from the tank and carburetor.
- Drain all water from the pump, hoses, and spray gun to prevent freezing and damage.
- Store the pressure washer in a clean, dry area.

5. TROUBLESHOOTING

If you encounter issues with your pressure washer, consult the comprehensive troubleshooting guide in the full owner's manual. Common issues often relate to fuel, oil, or water supply. Ensure all connections are secure and that the engine has adequate fuel and oil.

6. SPECIFICATIONS

Feature	Specification
Product Dimensions	29 x 24 x 46 inches
Item Weight	152 pounds
Manufacturer	Powerhorse
ASIN	B07Y5NT755
Item Model Number	RM
Brand	Powerhorse
Power Source	Gas Powered
Color	Blue
Hose Length	35 Feet
Maximum Flow Rate	4 Gallons Per Minute

7. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation included with your purchase. For customer support, please contact the manufacturer directly or refer to the contact information provided by your retailer.

Protection Plans:

- 2-Year Protection Plan
- 3-Year Protection Plan
- Complete Protect: One plan covers all eligible past and future purchases

