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› PP4440K Dirt Laser 4400 PSI 4.0 GPM Cold Water Gas Pressure Washer User Manual

## Pressure-Pro PP4440K

# PP4440K Dirt Laser 4400 PSI 4.0 GPM Cold Water Gas Pressure Washer

MODEL: PP4440K | BRAND: PRESSURE-PRO

## 1. Important Safety Information

Read and understand all safety warnings and instructions before operating this pressure washer. Failure to follow these instructions may result in serious injury or property damage.

- **Ventilation:** Operate the pressure washer in a well-ventilated area to prevent carbon monoxide poisoning. Never operate indoors.
- **Fuel Safety:** Handle gasoline with extreme care. Store fuel in an approved container in a well-ventilated area away from ignition sources. Do not refuel a hot engine.
- **High Pressure Spray:** The spray from the pressure washer can cause serious injury. Never direct the spray at people, pets, or electrical devices. Always wear appropriate eye protection.
- **Electrical Safety:** Ensure all electrical connections are dry and secure. Do not operate in standing water.
- **Stability:** Operate the unit on a stable, level surface to prevent tipping.
- **Children and Pets:** Keep children and pets away from the pressure washer during operation.

## 2. Product Overview and Components

The Pressure-Pro PP4440K is a robust gas-powered pressure washer designed for demanding cleaning tasks. Familiarize yourself with its key components:

- **Engine:** CH440 Engine, providing reliable power.
- **Pump:** AR exclusive Pressure-Pro pump (RSV4G40HDF40EZ) for high performance.
- **Wheels:** Flat-free airless tires for easy maneuverability and no maintenance.
- **Handle:** Soft grip handle and ergonomically designed for portability.
- **Hose:** Industrial gray non-marking 50' hose for extended reach.
- **Wand:** 33" spray wand/lance for precise cleaning.
- **Nozzles:** Equipped with 4 quick-connect spray nozzles (15, 25, 40, 65 Degrees) and a Low-Pressure chemical

nozzle.

- **Storage:** Heavy-duty steel gun/wand & hose holder for organized storage.



**Figure 2.1:** Front view of the Pressure-Pro PP4440K pressure washer, showing the engine, pump, hose, and wand.



**Figure 2.2:** Side view of the pressure washer, highlighting the extended spray wand and hose connection.



**Figure 2.3:** Opposite side view, showing the coiled hose and the overall compact design.



**Figure 2.4:** Rear view of the unit, displaying the engine and frame structure.



**Figure 2.5:** Detailed view of the engine and pump assembly, highlighting key mechanical components.



**Figure 2.6:** Close-up of the flat-free airless tire, designed for durability and ease of movement.

### 3. Setup and Assembly

Follow these steps to prepare your pressure washer for first use:

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all parts listed in the manual are present.
2. **Handle Assembly:** Attach the handle to the main frame. Secure with provided hardware.
3. **Add Engine Oil:** Fill the engine crankcase with the recommended type and amount of engine oil (refer to engine manual for specifics). Do not overfill.
4. **Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other ethanol blends not approved for small engines. Ensure the fuel cap is securely tightened.
5. **Connect Water Supply:** Attach a garden hose (minimum 5/8 inch diameter) to the water inlet on the pump. Ensure the water supply is clean and free of debris. Turn on the water supply fully.
6. **Connect High-Pressure Hose:** Connect one end of the high-pressure hose to the pump's high-pressure

outlet and the other end to the spray gun. Tighten all connections securely.

7. **Attach Spray Wand:** Attach the spray wand to the spray gun. Select the desired quick-connect nozzle and insert it into the end of the wand until it clicks into place.
8. **Purge Air from System:** Squeeze the trigger on the spray gun to allow water to flow through the pump and hose, purging any air from the system. Continue until a steady stream of water emerges.

## 4. Operating Instructions

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Once setup is complete, follow these steps to operate your pressure washer:

### 1. Engine Start-up:

- Ensure the water supply is fully on and air is purged from the system.
- Set the engine switch to the "ON" position.
- Move the choke lever to the "FULL CHOKE" position (if engine is cold).
- Move the throttle lever to the "FAST" position.
- Pull the recoil starter handle firmly until the engine starts.
- Once the engine starts, gradually move the choke lever to the "RUN" position.

### 2. Using Spray Nozzles:

The pressure washer comes with various quick-connect nozzles for different applications:

- **0 Degree (Red):** Pin-point stream for intense cleaning of small, tough spots. Use with extreme caution.
- **15 Degree (Yellow):** Narrow, high-pressure spray for stubborn stains on hard surfaces.
- **25 Degree (Green):** Medium-angle spray for general cleaning of most surfaces.
- **40 Degree (White):** Wide-angle spray for gentle cleaning of delicate surfaces or large areas.
- **65 Degree (Black/Blue):** Low-pressure chemical nozzle for applying detergents.

Always change nozzles with the engine off and the spray gun pointed in a safe direction.

### 3. Cleaning Techniques:

Start with a lower pressure nozzle and work your way up if needed. Maintain a consistent distance from the surface to avoid damage. For detergent application, use the low-pressure nozzle and follow detergent manufacturer instructions.



**Figure 4.1:** The pressure washer is effective for cleaning vehicles, removing dirt and grime.



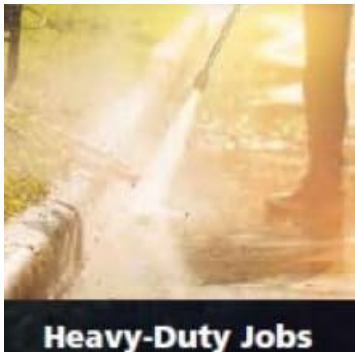
### Outdoor Surfaces

**Figure 4.2:** Ideal for cleaning various outdoor surfaces such as decks, patios, and fences.



### Home Cleaning Project

**Figure 4.3:** Suitable for a wide range of home cleaning projects, including siding and driveways.



### Heavy-Duty Jobs

**Figure 4.4:** Capable of handling heavy-duty cleaning jobs, such as removing tough grime from concrete.

#### 4. Shutting Down:

- Turn off the engine.
- Turn off the water supply.
- Squeeze the trigger on the spray gun to release any remaining pressure in the system.
- Disconnect the garden hose and high-pressure hose.

#### 5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your pressure washer. Always disconnect the spark plug wire before performing any maintenance.

- **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:** Clean or replace the air filter regularly, especially in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if necessary.
- **Pump Maintenance:**
  - **Inlet Screen:** Periodically check and clean the water inlet screen for debris.
  - **Winterization:** If storing in freezing temperatures, winterize the pump with pump saver solution to prevent damage.
- **Hose and Nozzles:** Inspect the high-pressure hose for cuts, kinks, or leaks before each use. Clean nozzles regularly to prevent clogs.
- **General Cleaning:** Keep the exterior of the pressure washer clean. Remove any dirt or debris from the engine cooling fins.

## 6. 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; Spark plug issue; Low oil shutdown.	Add fresh fuel; Turn engine switch ON; Adjust choke; Check/replace spark plug; Add engine oil.
Low or no pressure	Insufficient water supply; Clogged nozzle; Air in pump; Kinked hose; Worn pump seals.	Ensure full water flow; Clean nozzle; Purge air from system; Straighten hose; Contact service for pump repair.
Engine runs rough	Stale fuel; Clogged air filter; Dirty spark plug.	Drain and refill with fresh fuel; Clean/replace air filter; Clean/replace spark plug.
Water leaks from pump	Loose fittings; Damaged O-rings; Cracked pump housing.	Tighten fittings; Replace O-rings; Contact service for pump repair.

## 7. Specifications

Attribute	Value
Brand	Pressure-Pro
Model Number	PP4440K
Power Source	Gas Powered
Maximum Pressure	4400 PSI
Maximum Flow Rate	4.0 GPM
Engine Type	CH440 Engine
Hose Length	50 Feet
Wand Length	33 Inches
Item Weight	122.8 Pounds
Product Dimensions (L x W x H)	21.5" x 22.5" x 40.2"
UPC	871924008669

## 8. Warranty and Support

For warranty information, technical support, or to order replacement parts, please contact Pressure-Pro customer service directly. Refer to the contact information provided with your purchase documentation or visit the official Pressure-Pro website.

*Note: Specific warranty terms and conditions may vary. Keep your proof of purchase for warranty claims.*