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WEN PW3100

WEN PW3100 Gas Pressure Washer Instruction Manual

Model: PW3100

INTRODUCTION

This manual provides essential instructions for the safe and effective operation, assembly, maintenance, and troubleshooting of your WEN PW3100 Gas Pressure Washer. Please read this manual thoroughly before using the product and keep it for future reference.



Image: The WEN PW3100 Gas Pressure Washer, showcasing its overall design with the engine, pump, hose reel, and wheels.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate protective gear, including eye and ear protection.
- Keep hands and body away from the spray path.
- Do not point the spray at people or animals.
- Always unplug and turn off the machine before cleaning or performing maintenance.
- Ensure the pressure washer is on a stable, level surface during operation.
- Do not operate the pressure washer indoors or in poorly ventilated areas due to exhaust fumes.
- Use only approved accessories and replacement parts.

PACKAGE CONTENTS

Verify that all components are present and undamaged:

- WEN PW3100 Gas Pressure Washer Unit
- High-Pressure Hose (30 feet)
- Spray Gun with Wand
- Nozzles: 0° (Red), 15° (Yellow), 25° (Green), 40° (White), Soap (Black)
- Engine Oil (often included, but verify)
- Instruction Manual

ASSEMBLY AND SETUP

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

1. **Attach the Handle:** Secure the handle to the main unit using the provided hardware.
2. **Install Wheels:** Attach the 12-inch wheels to the axle.
3. **Add Engine Oil:** Remove the oil fill cap/dipstick and carefully add the recommended 4-stroke engine oil (30W for temperatures above 40°F) until it reaches the full mark. Do not overfill.
4. **Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline (E-10 or better is recommended). Do not use E85.
5. **Connect High-Pressure Hose:** Attach one end of the high-pressure hose to the pump outlet and the other end to the spray gun. Ensure connections are secure.
6. **Connect Water Supply:** Connect a garden hose to the water inlet on the pump. Ensure the water supply is turned on fully before starting the engine to prevent pump damage.
7. **Attach Nozzle:** Select the desired quick-connect nozzle and insert it into the end of the spray wand until it clicks into place.



Image: The spray gun and wand assembly, ready for high-pressure hose connection.



Image: Close-up view of the pressure washer pump, showing the water inlet and high-pressure outlet connections.

OPERATION

Starting the Engine:

1. Ensure the fuel valve is in the "ON" position.
2. Move the choke lever to the "CHOKE" position (for cold starts).
3. Turn the engine switch to the "ON" position.
4. Pull the recoil starter handle firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the "RUN" position.



Image: Detail of the engine, showing the OHV cover, carburetor, and the fuel valve/choke/engine switch controls.

Using the Pressure Washer:

- With the engine running, squeeze the trigger on the spray gun to begin spraying.
- Adjust the distance and angle of the spray to suit the cleaning task.
- For detergent application, use the black soap nozzle and ensure the detergent tank is filled.

Shutting Down:

1. Release the spray gun trigger.
2. Turn the engine switch to the "OFF" position.
3. Turn off the fuel valve.
4. Turn off the water supply.
5. Squeeze the spray gun trigger to release any remaining pressure in the system.

NOZZLE SELECTION GUIDE

The WEN PW3100 includes five quick-connect nozzles, each designed for specific cleaning tasks:

- **0° Red Nozzle (Pencil Jet):** Provides a concentrated, high-impact stream for tough spots and stubborn stains. Use with extreme caution as it can damage surfaces.
- **15° Yellow Nozzle (Chisel Tip):** Offers a powerful, narrow spray for stripping paint, removing grease, and cleaning metal surfaces.
- **25° Green Nozzle (Fan Spray):** A versatile, medium-intensity spray suitable for general cleaning of wood, siding, brick, and concrete.

- **40° White Nozzle (Wide Fan Spray):** Delivers a gentle, wide spray for cleaning delicate surfaces like patio furniture, boats, and cars.
- **Black Soap Nozzle:** Used for applying detergents. It operates at a lower pressure to allow the pressure washer to draw soap from the onboard tank.

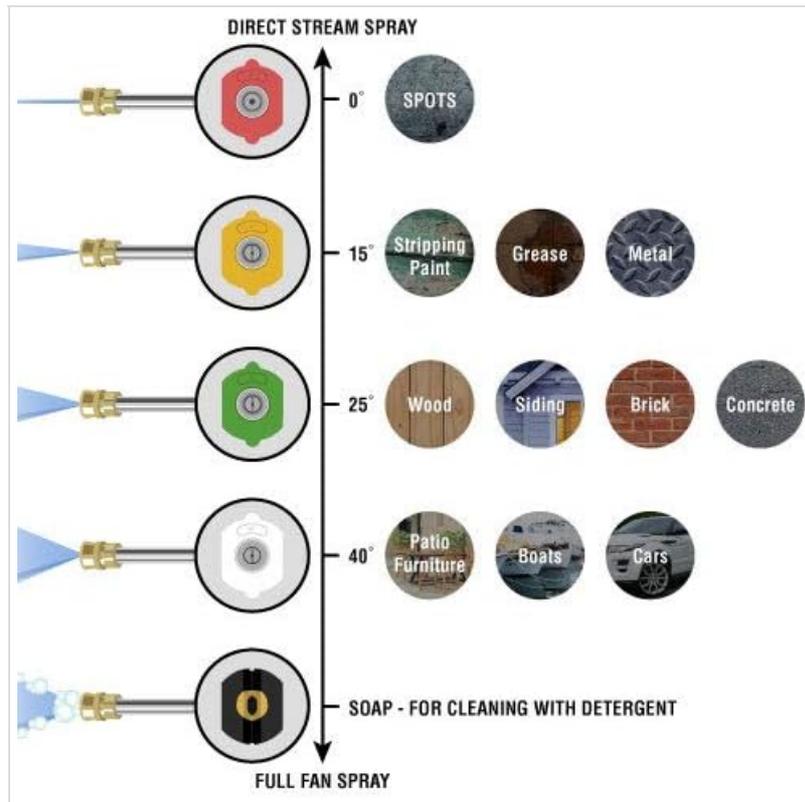


Image: A visual guide illustrating the different spray patterns and recommended applications for each nozzle type (0°, 15°, 25°, 40°, and Soap).



Image: Close-up of the red (0°) and yellow (15°) quick-connect nozzles stored on the unit.



Image: Close-up of the green (25°), white (40°), and black (soap) quick-connect nozzles stored on the unit.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan 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 System:** Use a fuel stabilizer if storing the unit for more than 30 days. Drain the fuel tank and carburetor if storing for extended periods.
- **Water Inlet Filter:** Clean the water inlet filter screen regularly to prevent debris from entering the pump.
- **Pump Care:** Never run the pump dry. Always ensure a constant water supply. If the unit will be stored in freezing temperatures, use a pump protector/antifreeze.
- **Hose and Connections:** Inspect the high-pressure hose and all connections for wear or leaks before each use.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine will not start	No fuel; Engine switch OFF; Choke incorrect; Spark plug issue; Low oil.	Add fuel; Turn engine switch ON; Adjust choke; Check/replace spark plug; Add oil.
Low pressure	Insufficient water supply; Clogged nozzle; Air in pump; Kinked hose.	Ensure full water flow; Clean/replace nozzle; Bleed air from pump; Straighten hose.
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.
No detergent suction	Detergent tank empty; Soap nozzle not installed; Clogged detergent line.	Fill tank; Install black soap nozzle; Clean detergent line.

SPECIFICATIONS

Key technical specifications for the WEN PW3100 Gas Pressure Washer:

- **Model:** PW3100
- **Pressure:** 3100 PSI
- **Flow Rate:** 2.5 GPM (Gallons Per Minute)
- **Engine:** 208cc 4-stroke OHV
- **Hose Length:** 30 Feet
- **Wheel Size:** 12 inches
- **Detergent Tank Capacity:** 32 fluid ounces (approx. 2.5 Gallons)
- **Dimensions (L x W x H):** 21" x 21" x 40"
- **Item Weight:** 74.8 pounds
- **Compliance:** CARB Compliant



Image: Diagram showing the overall dimensions of the WEN PW3100 Gas Pressure Washer: 21 inches length, 21 inches width, and 40 inches height.

WARRANTY AND SUPPORT

For warranty information, technical assistance, or to order replacement parts, please refer to the official WEN website or

contact WEN customer service directly. Keep your purchase receipt for warranty claims.

WEN Customer Service: [Visit WEN Products Contact Page](#)

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