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SHZICMY AW0216-9

SHZICMY Gasoline High Pressure Washer User Manual

Model: AW0216-9

1. Introduction

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your SHZICMY Gasoline High Pressure Washer. Please read this manual thoroughly before operating the unit to ensure proper use and to prevent injury or damage.
Your SHZICMY pressure washer is a powerful tool designed for effective cleaning of various surfaces, including vehicles, farms, floors, and industrial areas. It features a robust 6.5 HP gasoline engine and delivers a maximum working pressure of 190 bar (approximately 2755 PSI).

2. Safety Information

2.1 General Safety Precautions

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and sturdy footwear.
- Never point the spray gun at people, pets, or electrical devices. The high-pressure spray can cause serious injury.
- Operate the pressure washer in a well-ventilated area to avoid carbon monoxide poisoning.
- Ensure all connections are secure before starting the unit.
- Do not operate the pressure washer if any parts are damaged or missing.
- Keep children and pets away from the operating area.
- Do not modify the pressure washer in any way.
- Always turn off the engine and release residual pressure before performing any maintenance or moving the unit.

2.2 Fuel Safety

- Use only fresh, clean gasoline.
- Refuel in a well-ventilated area with the engine off and cool.
- Do not smoke or allow open flames near the pressure washer during refueling or operation.
- Wipe up any spilled fuel immediately.

3. Product Overview

Familiarize yourself with the components of your pressure washer before operation.



Figure 3.1: Overall view of the SHZICMY Gasoline High Pressure Washer, showing the engine, pump, frame, wheels, hose, and spray gun.

3.1 Key Components

- **Gasoline Engine:** 6.5 HP (4.9 kW) engine, providing power for the pump. Features a low oil shutdown safety mechanism.
- **High-Pressure Pump:** Generates the high-pressure water stream.
- **Spray Gun:** Handheld device for directing the water spray. Includes a safety paddle.
- **High-Pressure Hose:** Connects the pump to the spray gun. (Length: 3 meters)
- **Nozzle Tips:** Interchangeable tips for various spray patterns and intensities.
- **Fuel Tank:** Capacity for gasoline. (Approx. 0.95 gallons)

- **Wheels and Frame:** For portability and stability.



Figure 3.2: Detailed design elements showing practical hooks for hose storage, stable foot pads, and the fuel tank capacity.

4. Setup

4.1 Assembly

1. Unpack all components and ensure nothing is missing.
2. Attach the handle to the main frame, securing it with the provided hardware.
3. Install the wheels if they are not pre-attached.
4. Connect the high-pressure hose to the pump outlet and the spray gun inlet. Ensure connections are tight.
5. Connect your water supply hose to the pump's water inlet. The unit can self-prime from a bucket or connect to a standard garden hose. A hose with a filter is included for suction.



Figure 4.1: Illustration of convenient water intake options: self-priming from a water source like a bucket, or direct connection to a faucet.

4.2 Fuel and Oil Filling

- **Engine Oil:** Before first use, fill the engine crankcase with the recommended type and amount of engine oil (refer to engine manual for specifics, typically 10W-30). Do not overfill. The engine has a low oil shutdown safety feature.
- **Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other alternative fuels. Ensure the fuel cap is securely tightened.

5. Operating Instructions

5.1 Starting the Engine

1. Ensure the pressure washer is on a level surface.
2. Connect the water supply and turn on the water faucet completely.
3. Squeeze the spray gun trigger to purge air from the pump and hose until a steady stream of water emerges.

Release the trigger.

4. Set the engine switch to "ON".
5. Move the choke lever to the "CHOKE" position (if cold engine).
6. Move the throttle lever to the "FAST" position.
7. Pull the recoil starter handle firmly and smoothly until the engine starts.
8. Once the engine starts, gradually move the choke lever to the "RUN" position.

5.2 Nozzle Selection and Usage

The pressure washer comes with multiple quick-connect nozzle tips, each designed for specific cleaning tasks. Always select the appropriate nozzle for the job to prevent damage to the surface being cleaned.



Figure 5.1: Various quick-connect nozzles for customizing your cleaning experience, including 0° (Red), 15° (Yellow), 25° (Green), 40° (White), and a Black Soap Nozzle.

Nozzle Guide

Color	Angle	Description	Application
Red	0°	Direct Spray	Spot cleaning, tough stains, concrete (use with extreme caution)
Yellow	15°	Narrow Spray	Heavy-duty cleaning, paint stripping, rust removal
Green	25°	Wide Spray	General cleaning, decks, patios, driveways
White	40°	Low Pressure Spray	Gentle cleaning, windows, vehicles, delicate surfaces
Black	Soap Nozzle	Low Pressure for Detergent Application	Applying soap or cleaning solutions

5.3 Cleaning Applications

The SHZICMY pressure washer is versatile for various cleaning tasks:



Figure 5.2: Examples of wide applications including cleaning lanes, sidewalks, roofs, and cars.

- **Vehicles:** Use the 40° white nozzle or black soap nozzle for washing cars, trucks, and motorcycles.
- **Patios & Driveways:** The 25° green nozzle is ideal for general cleaning of concrete and paved surfaces. For stubborn stains, use the 15° yellow nozzle with caution.
- **Roofs:** Use appropriate safety measures and the 25° or 40° nozzle for roof cleaning.
- **Farms & Equipment:** The powerful spray is effective for cleaning agricultural machinery and farm areas.



Figure 5.3: Demonstrating the efficient operation of the pressure washer, highlighting its performance metrics (e.g., 2200 PSI, 2.3 GPM, and engine RPM).



Figure 5.4: Illustrating the far-reaching capability with a 2m (6.56ft) inlet pipe and an 8m (26.24ft) outlet pipe, minimizing space constraints during operation.



Figure 5.5: The ergonomic design of the flexible spray gun, featuring a safety paddle and a quick replacement mechanism for nozzles.



Figure 5.6: A visual comparison demonstrating the superior cleaning power of this pressure washer (e.g., 2200 PSI) compared to others.

5.4 Shutting Down

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

6. Maintenance

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

6.1 After Each Use

- Flush the pump: Run clean water through the pump for a few minutes to remove any detergent residue or debris.
- Clean the nozzles: Remove any clogs from the nozzle tips using a small wire or nozzle cleaning tool.

- Wipe down the unit: Clean the exterior of the pressure washer with a damp cloth.
- Store properly: Store the unit in a dry, frost-free area.

6.2 Engine Maintenance

- **Check Oil Level:** Check the engine oil level before each use. Add oil if necessary.
- **Change Oil:** Change the engine oil after the first 5 hours of use, then every 25-50 hours or annually, whichever comes first.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn.

6.3 Pump Maintenance

- **Inlet Filter:** Regularly check and clean the water inlet filter to prevent debris from entering the pump.
- **Winterization:** If storing in freezing temperatures, winterize the pump using a pump protector or non-toxic antifreeze to prevent damage.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, contact customer support.

Troubleshooting Guide

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Engine switch OFF; Choke not set correctly; Clogged fuel line/carburetor; Fouled spark plug.	Add fuel; Add oil; Turn engine switch ON; Adjust choke; Clean fuel system; Clean/replace spark plug.
Low pressure	Insufficient water supply; Clogged nozzle; Air in pump; Worn pump seals.	Ensure full water flow; Clean nozzle; Purge air by squeezing trigger; Contact service for pump repair.
Pulsating pressure	Air in pump; Clogged inlet filter; Kinked hose.	Purge air; Clean inlet filter; Straighten hose.
Water leaks	Loose connections; Damaged O-rings/seals.	Tighten connections; Replace O-rings/seals.

8. Specifications

Feature	Specification
Model Number	AW0216-9
Engine Type	6.5 HP Gasoline Engine
Max Working Pressure	190 bar (approx. 2755 PSI)
Operating Pressure	170-190 bar
Engine Speed	3400 rpm (up to 3600 rpm)

Feature	Specification
Max Flow Rate	2.3 Gallons per minute (GPM)
Product Dimensions (L x W x H)	51.5 x 46.5 x 51.5 cm (20.3 x 18.3 x 20.3 inches)
Item Weight	30 kg (66.1 lbs)
High-Pressure Hose Length	3 meters (approx. 9.8 feet)
Nozzle Angles	0° (Red), 15° (Yellow), 25° (Green), 40° (White), Soap Nozzle (Black)
Fuel Tank Capacity	Approx. 0.95 gallons

9. Warranty and Support

For warranty information or technical support, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.
Manufacturer: AWIOSU
Brand: SHZICMY

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