AIVOLT KSC501-2000B

Electric Pressure Washer

User Manual

Brand: AIVOLT | Model: KSC501-2000B

Introduction

This manual provides comprehensive instructions for the safe and efficient operation of your AIVOLT Electric Pressure Washer. This powerful unit is equipped with an 1,800-Watt motor, delivering up to 3,000 PSI (4,000 PSI surge pressure) and a flow rate of 2.6 GPM, making it ideal for various home cleaning tasks.

It is designed for effective rinsing of cars, gardens, pavements, driveways, patios, decks, walkways, swimming pools, boats, and fences. Please read this manual thoroughly before use to ensure proper setup and to maximize the lifespan of your pressure washer.

Setup

1. Assembly

The pressure washer requires minimal assembly. Attach the handle to the main body using the provided screws. Install the pressure hose hook and gun holder onto the handle. Finally, assemble the spray gun by twisting the wand into the gun handle.



Figure 1: AIVOLT Electric Pressure Washer with all included accessories, including the main unit, spray gun, high-pressure hose, power cord, 5 quick-connect nozzles, and a foam tank.



Figure 2: This diagram illustrates the straightforward assembly process, showing how to attach the handle and connect the various components.

Video: Aivolt electric pressure washers. This official seller video demonstrates the assembly process of the pressure washer, including attaching the handle, hose, and spray gun components.

2. Connecting Water and Power

Connect the high-pressure hose to the spray gun and the pressure washer unit. Ensure connections are secure to prevent leaks. The unit can draw water from a faucet or self-prime from a bucket. Plug the 35ft power cord with inline GFCI into a suitable exterior outlet. Press the reset button on the GFCI plug to activate power.



Figure 3: The pressure washer can be supplied with water directly from a faucet or by drawing from a bucket, offering flexible setup options.

Operating

1. Powering On/Off

Turn the main power switch to the 'ON' position. The pressure washer features an automatic total stop system (TSS) that shuts off the pump when the trigger is not engaged, prolonging pump life. The motor will only run when water is sensed flowing through the nozzle.

2. Nozzle Selection

The pressure washer comes with 5 quick-connect nozzles, each designed for specific cleaning tasks:

- **0° Nozzle (Red):** Delivers a pinpoint stream for tough, concentrated cleaning. Use with caution on durable surfaces like concrete or metal.
- **15° Nozzle (Yellow):** Provides a 15-degree spray pattern for heavy-duty cleaning and stripping.

- **25° Nozzle (Green):** Offers a 25-degree spray pattern for general cleaning tasks.
- **40° Nozzle (White):** Delivers a 40-degree spray pattern for easily cleaning larger areas.
- **65° Nozzle (Black/Soap):** Used for applying detergents and chemicals at low pressure.



Figure 4: The pressure washer includes a set of color-coded quick-connect nozzles for various cleaning needs.

3. Detergent Application

Fill the onboard foam tank with appropriate pressure washer detergent. Attach the black (65°) nozzle to automatically apply soap during operation. This feature is ideal for pre-soaking surfaces before high-pressure rinsing.

4. Application Scenarios

The AIVOLT pressure washer is versatile and can be used for a wide range of outdoor cleaning tasks:

- **Vehicle Cleaning:** Safely and effectively clean cars, trucks, and motorcycles.
- **Home Exterior:** Wash siding, fences, decks, and patios to remove dirt, grime, and mildew.
- **Outdoor Equipment:** Clean garden tools, outdoor furniture, and other equipment.



Figure 5: The pressure washer is suitable for diverse cleaning applications around the home and garden.

Maintenance

Regular maintenance ensures optimal performance and longevity of your pressure washer. After each use, disconnect the water and power supply. Squeeze the spray gun trigger to release any remaining pressure. Drain all water from the pump and hoses, especially before storing in freezing temperatures.

Clean the nozzles regularly to prevent clogging. Store the unit and its accessories in a dry, protected area.



Figure 6: The pressure washer is designed with convenient storage for its hose and power cord, promoting tidy organization.

Troubleshooting

This section provides solutions to common issues you might encounter. For detailed troubleshooting steps, please refer to the comprehensive manual included with your product.

- **No Power:** Ensure the GFCI plug is reset and the power switch is in the 'ON' position. Check the power outlet.
- **Low Pressure:** Verify adequate water supply and ensure the garden hose is fully open. Check for kinks in the hose or clogged nozzles.
- **Water Leaks:** Check all connections for tightness. Ensure O-rings are properly seated and undamaged.

Specifications

Specification	Value

Model	KSC501-2000B
Max Pressure	2500 PSI (3000 PSI Transient)
Working Pressure	1750 PSI
Max Flow Rate	2.6 GPM
Electric Current	14.0 A
Motor Power	1800 W
Voltage/Frequency	120V/60Hz
Item Weight	22.3 lbs (10.1 kg)
Product Dimensions	14"L x 12"W x 23"H
Hose Length	20 ft (6 meters)
Wand Length	14 inches



Figure 7: Detailed dimensions and technical specifications of the AIVOLT Electric Pressure Washer.

Safety Information

Your AIVOLT pressure washer is designed with safety in mind. It features an automatic shut-off system that activates when the trigger is not engaged, which helps to prolong the life of the pump and prevent accidental operation. The motor is designed for easy start-up and low maintenance, ensuring reliable performance.

For added safety, the unit includes a child lock design on the water gun trigger to prevent misuse. The machine is also rated IPX5 waterproof, meaning it is protected against low-pressure water jets from any direction, reducing the risk of electrical issues.

Always ensure proper grounding and use only with GFCI-protected outlets. Do not direct the high-pressure spray at people, animals, or electrical components.

Warranty and Support

For warranty information and customer support, please refer to the detailed warranty card included in your product packaging. You can also visit the official AIVOLT website or contact their customer service for assistance with your Model KSC501-2000B pressure washer.

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