

Sun Joe SPX3501-MAX

Sun Joe SPX3501-MAX Electric Pressure Washer User Manual

Model: SPX3501-MAX

1. INTRODUCTION

Thank you for purchasing the Sun Joe SPX3501-MAX Electric Pressure Washer. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new pressure washer. Please read this manual thoroughly before operating the unit and keep it for future reference. Proper use and maintenance will ensure long-lasting performance and efficient cleaning results.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using this product to reduce the risk of injury. Failure to do so can result in serious personal injury or property damage.

- **Read All Instructions:** Before operating the pressure washer, read and understand all instructions provided in this manual and on the machine.
- **Personal Protective Equipment:** Always wear appropriate eye protection (safety glasses or goggles) and hearing protection. Wear protective clothing and non-slip footwear.
- **Electrical Safety:** This unit is equipped with a Ground Fault Circuit Interrupter (GFCI) for your safety. Do not bypass or modify the GFCI. Ensure the power cord and plug are in good condition. Do not operate the unit with damaged cords or plugs.
- **Water Connection:** Connect the pressure washer to a cold water supply only. Do not use hot water. Ensure the water supply is adequate for the unit's GPM rating.
- **High Pressure Hazard:** The high-pressure stream can cause serious injury. Never direct the spray at people, pets, or electrical devices. Keep hands, face, and feet clear of the nozzle.
- **Stability:** Operate the pressure washer on a stable, level surface to prevent tipping.
- **Children and Bystanders:** Keep children and bystanders away from the operating area.
- **Chemicals:** Use only detergents specifically designed for pressure washers. Follow detergent manufacturer's instructions for use and disposal.
- **Storage:** Store the unit in a dry, protected area. Protect from freezing temperatures.

3. PRODUCT OVERVIEW

The Sun Joe SPX3501-MAX is a powerful electric pressure washer designed for various outdoor cleaning tasks. It features a robust motor, a convenient hose reel, and multiple quick-connect nozzles for versatile cleaning.



Figure 3.1: Front view of the Sun Joe SPX3501-MAX Electric Pressure Washer, showcasing its compact design and integrated hose reel.



*At initial discharge per CSA internal pressure testing.

Figure 3.2: The pressure washer highlighting its maximum pressure capability of 2250 PSI.

Key Components:

- **High-Pressure Hose Reel:** For convenient storage and deployment of the 20-foot steel-reinforced high-pressure hose.
- **Detergent Tank:** Onboard 40.6 fl oz tank for applying cleaning solutions.
- **Quick-Connect Nozzles:** Includes 0°, 15°, 25°, 40°, and Soap nozzles for various cleaning tasks.
- **Spray Wand/Lance:** 34-inch metal lance for extended reach and precise spraying.
- **GFCI Power Cord:** 35-foot power cord with Ground Fault Circuit Interrupter for electrical safety.
- **Total Stop System (TSS):** Automatically shuts off the pump when the trigger is not engaged, saving energy and prolonging pump life.
- **Wheels:** Easy-glide wheels for portability.





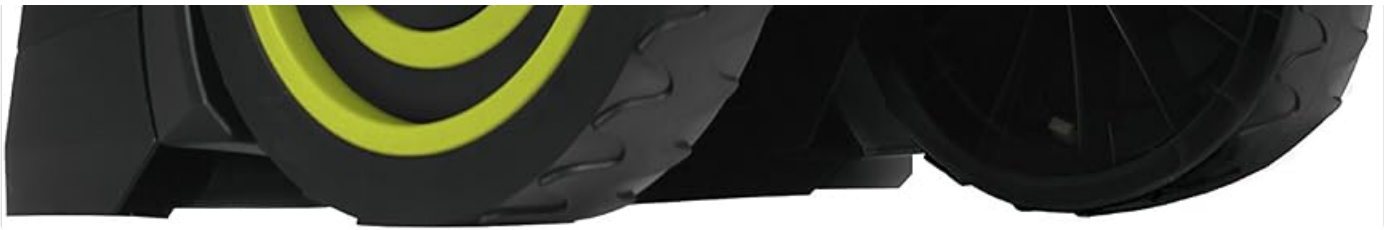


Figure 3.3: View of the onboard detergent tank and the quick-connect nozzle storage.



Figure 3.4: Detailed view of the integrated hose reel for convenient hose management.

4. SETUP AND ASSEMBLY

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

1. **Unpack:** Carefully remove all components from the packaging. Ensure all parts listed in the manual are present.
2. **Attach Wheels (if not pre-assembled):** Secure the wheels to the main unit according to the diagrams in the included quick-start guide.
3. **Connect High-Pressure Hose:** Attach one end of the high-pressure hose to the pressure washer's high-pressure outlet and the other end to the spray gun. Ensure connections are tight.
4. **Connect Water Supply:** Connect a standard garden hose (not included) to the water inlet on the pressure washer. Ensure the garden hose is free of kinks and has a minimum diameter of 1/2 inch. Turn on the water supply fully.
5. **Purge Air:** Before connecting to power, squeeze the trigger on the spray gun to allow water to flow through the system and purge any air. Continue until a steady stream of water emerges from the nozzle.
6. **Connect Power:** Plug the GFCI power cord into a grounded 120V AC electrical outlet. Press the "RESET" button on the GFCI plug.

5. OPERATING INSTRUCTIONS

This section details how to operate your Sun Joe SPX3501-MAX pressure washer effectively.

5.1 Starting the Pressure Washer

1. Ensure the water supply is fully open and all connections are secure.
2. Ensure the GFCI plug is reset and receiving power.
3. Turn the ON/OFF switch on the pressure washer to the "ON" position. The motor will start when the trigger is squeezed and stop when released (Total Stop System).

5.2 Using Quick-Connect Nozzles

The SPX3501-MAX comes with 5 quick-connect nozzles for various applications:

- **0° (Red):** Pencil-point jet for intense, pinpoint cleaning. Use with extreme caution.
- **15° (Yellow):** High-pressure, narrow fan spray for tough stains on hard surfaces.
- **25° (Green):** Medium-pressure, wider fan spray for general cleaning of decks, patios, and driveways.
- **40° (White):** Low-pressure, wide fan spray for gentle cleaning of delicate surfaces like vehicles or siding.
- **Soap (Black):** For applying detergent at low pressure.

To change nozzles, pull back the collar on the spray wand, insert the desired nozzle, and release the collar to lock it in place. Always ensure the nozzle is securely seated before operating.

5.3 Using the Detergent Tank

1. Fill the onboard 40.6 fl oz detergent tank with a pressure washer-safe detergent. Do not use bleach or abrasive cleaners.
2. Attach the black (Soap) quick-connect nozzle to the spray wand.
3. Turn the detergent dial to adjust the mix ratio.
4. Squeeze the trigger to apply detergent. The unit will automatically draw detergent when the soap nozzle is attached and the pressure is low.
5. After applying detergent, switch to a high-pressure nozzle (e.g., 25° or 15°) to rinse the surface thoroughly.



Figure 5.1: The pressure washer actively spraying, demonstrating its cleaning capability.



Figure 5.2: An individual cleaning a fence with the Sun Joe pressure washer, showing typical usage.



Figure 5.3: The pressure washer being used to clean a car, illustrating its versatility for vehicle washing.

6. MAINTENANCE

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

6.1 Cleaning the Unit

- After each use, disconnect the power and water supply.
- Drain any remaining water from the pump and hoses.
- Clean the exterior of the unit with a damp cloth. Do not use harsh chemicals.
- Use the included needle clean-out tool to clear any blockages from the nozzle tips.

6.2 Storage and Winterization

Proper storage, especially in freezing temperatures, is crucial to prevent damage.

- **Drain Water:** Disconnect all hoses and attachments. Run the pump for a few seconds (without water connected) to expel any remaining water.
- **Antifreeze (for freezing climates):** Pour a non-toxic antifreeze (RV antifreeze) into the water inlet and run the pump briefly until antifreeze comes out of the high-pressure outlet. This protects internal components from freezing.
- **Store:** Store the pressure washer in a dry, climate-controlled area, protected from direct sunlight and freezing temperatures.
- **Hose and Cord Management:** Use the onboard hose reel to neatly store the high-pressure hose. Wrap the power cord securely.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Motor does not start	No power supply; GFCI tripped; ON/OFF switch off.	Check power connection; Reset GFCI; Turn ON/OFF switch to ON.
Low pressure	Insufficient water supply; Clogged nozzle; Air in pump; Kinked hose.	Ensure full water flow; Clean nozzle with needle tool; Purge air from system; Straighten hose.
Water leaks	Loose connections; Damaged O-rings/seals.	Tighten all connections; Inspect and replace O-rings/seals if damaged.
Detergent not dispensing	Wrong nozzle selected; Detergent tank empty; Clogged detergent line.	Ensure black (Soap) nozzle is attached; Refill tank; Clear any blockages.

If problems persist after attempting these solutions, please contact Sun Joe customer support.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Model	SPX3501-MAX
Brand	Sun Joe
Motor	13-amp Brushless Induction
Max Pressure	2250 PSI (at initial discharge per CSA internal pressure testing)
Max Flow Rate	1.48 GPM (with nozzle open at minimum pressure)
Detergent Tank Capacity	40.6 fl oz
High-Pressure Hose Length	20 feet (steel-reinforced)
Power Cord Length	35 feet (with GFCI protection)
Lance Length	34 inches
Net Weight	41 lbs (18.6 kg)

Specification	Value
Product Dimensions	38.1 x 62.23 x 62.23 cm
Color	Green

9. WARRANTY AND SUPPORT

The Sun Joe SPX3501-MAX Electric Pressure Washer typically comes with a **2-year warranty** from the date of purchase, covering defects in material or workmanship under normal use. Please refer to the warranty card included with your product for full terms and conditions.

For technical assistance, replacement parts, or warranty claims, please contact Sun Joe customer support. Have your model number and purchase date ready when contacting support.

Note on Videos: Based on the provided product data, no official product videos from the seller were available for embedding in this manual.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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