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› NorthStar Electric Total Start/Stop Commercial Pressure Washer - User Manual

## NorthStar 1571102

# NorthStar Electric Total Start/Stop Commercial Pressure Washer - User Manual

Model: 1571102

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your NorthStar Electric Total Start/Stop Commercial Pressure Washer. This robust unit is designed for demanding cleaning tasks, featuring a powerful electric motor and a high-performance pump to deliver 2000 PSI and 1.5 GPM for effective dirt and grime removal.

Please read this manual thoroughly before operating the pressure washer to ensure proper use and to prevent injury or damage to the equipment. Keep this manual for future reference.



Figure 1: NorthStar Electric Total Start/Stop Commercial Pressure Washer, showing its overall design with hose and gun attached.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to reduce the risk of injury or damage.

### General Safety Warnings

- Read all instructions before using the appliance.
- Do not operate the unit if any parts are damaged or missing.
- Keep children and pets away from the pressure washer during operation.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and protective footwear.
- Never point the spray gun at people, animals, or electrical devices.
- Ensure all connections are secure before starting the unit.

### Electrical Safety

- Connect to a grounded outlet only.
- Do not use extension cords unless absolutely necessary, and ensure they are rated for outdoor use and the power requirements of the unit.
- Never operate the pressure washer in standing water.
- Inspect the power cord for damage before each use.

### Pressure Safety

- High-pressure spray can cause serious injury. Always hold the spray gun firmly with both hands.

- Never attempt to stop leaks with your hand or body.
- Ensure the trigger lock is engaged when the unit is not in use or when changing nozzles.

### 3. SETUP

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Proper setup is crucial for safe and effective operation.

#### Unpacking and Assembly

1. Remove all components from the packaging.
2. Attach the handle assembly to the main unit, securing it with the provided hardware.
3. Connect the high-pressure hose to the pump outlet and the spray gun inlet. Ensure connections are tight.
4. Attach the desired nozzle to the spray lance.



Figure 2: Pressure washer fully assembled, ready for water and power connections.

#### Connecting Water Supply

- Use a garden hose (minimum 5/8 inch diameter) to connect the pressure washer to a cold water source.
- Ensure the water supply is clean and free of debris.
- Turn on the water supply completely to purge air from the system before starting the motor.

#### Connecting Power

- Plug the power cord into a grounded 120-volt electrical outlet.
- The unit features a Total Start/Stop system, meaning the motor will only run when the trigger is engaged.



Figure 3: The pressure washer indicating its standard 120 Volts power requirement.

## 4. OPERATING

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Follow these steps for effective and safe operation.

### Starting the Unit

1. Ensure water supply is fully open and the garden hose is connected.
2. Plug in the power cord.
3. Squeeze the spray gun trigger to release any trapped air and allow water to flow through the system for about 30 seconds.
4. Release the trigger. The motor will start when the trigger is squeezed again.

### Using Nozzles

The unit includes 4 quick-connect nozzles (15°, 25°, 40°, and chemical) for various cleaning tasks.

- **15° Nozzle:** For intense cleaning of stubborn stains.
- **25° Nozzle:** General purpose cleaning.
- **40° Nozzle:** For light cleaning of delicate surfaces.
- **Chemical Nozzle:** For applying detergents at low pressure.



Figure 4: Pressure washer in use, illustrating the 1.5 GPM high flow rate for efficient cleaning.



Figure 5: Pressure washer in use, demonstrating the 2000 PSI high pressure for tough cleaning tasks.

## Applying Detergent

1. Fill the detergent tank with pressure washer safe detergent.
2. Attach the chemical nozzle.
3. Squeeze the trigger to apply detergent at low pressure.
4. After applying detergent, switch to a high-pressure nozzle and rinse thoroughly.

## Shutting Down and Storage

1. Turn off the water supply.
2. Squeeze the spray gun trigger to release residual pressure.
3. Unplug the power cord.
4. Disconnect the garden hose and high-pressure hose.
5. Drain all water from the pump and hoses to prevent freezing damage.
6. Store the unit in a dry, protected area.



**10 INCH**

**FLAT-FREE TIRES**

**MOBILE**

Figure 6: The pressure washer featuring durable 10-inch flat-free tires for easy mobility.

## 5. MAINTENANCE

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

### Pump Maintenance

- Check pump oil level regularly. Refer to the pump manufacturer's instructions for specific oil type and change intervals.
- Inspect the pump for leaks or damage.

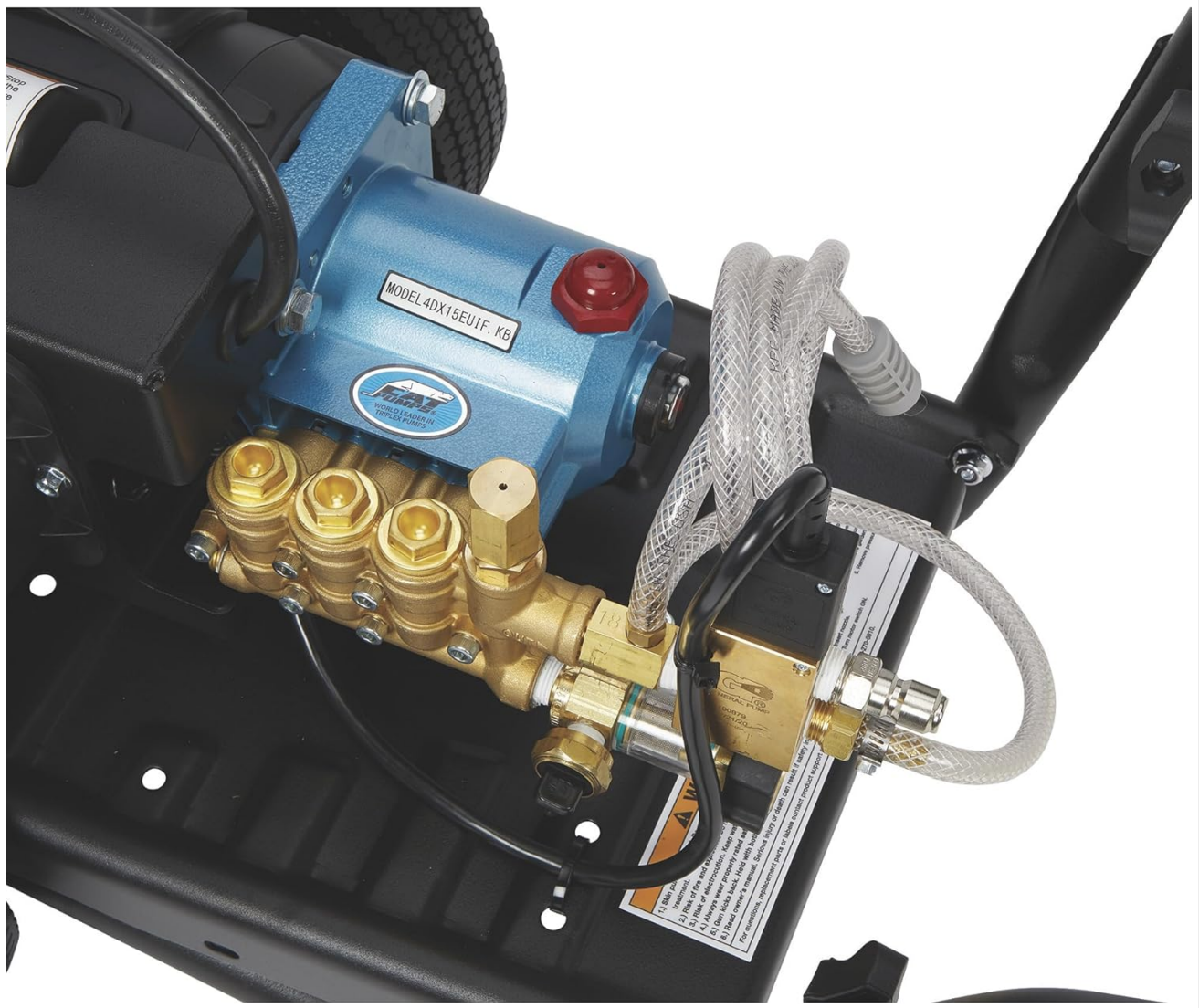


Figure 7: Close-up view of the CAT 4DX direct drive triplex plunger pump, highlighting its robust construction.

## Hose and Nozzle Care

- Inspect the high-pressure hose for cuts, kinks, or abrasions before each use. Replace if damaged.
- Clean nozzles regularly to prevent clogging. Use the provided nozzle cleaning tool if necessary.

## Winterization

- If storing in an area where temperatures may drop below freezing, winterize the pump to prevent damage.
- Use a pump protector or RV antifreeze solution according to product instructions.

## 6. TROUBLESHOOTING

Refer to this section for solutions to common operational issues.

Problem	Possible Cause	Solution
Motor does not start	No power, tripped circuit breaker, faulty outlet, trigger not squeezed.	Check power connection, reset breaker, try different outlet, squeeze trigger.
Low pressure	Insufficient water supply, clogged nozzle, air in pump, worn pump seals.	Ensure full water flow, clean nozzle, purge air from system, contact service.

Problem	Possible Cause	Solution
Pulsating pressure	Air in pump, restricted water flow, clogged inlet filter.	Purge air, check water hose for kinks, clean inlet filter.
Water leaks	Loose connections, damaged O-rings, cracked hose.	Tighten connections, replace O-rings, replace damaged hose.

## 7. SPECIFICATIONS

Feature	Specification
Brand	NorthStar
Model Number	1571102
Power Source	Corded Electric
Maximum Pressure	2000 PSI
Maximum Flow Rate	1.5 GPM
Voltage	120 Volts
Pump Type	CAT 4DX direct drive triplex plunger pump
Hose Length	25 Feet
Item Weight	102 Pounds
Tires	10-inch flat-free tires
Certification	ETL

## 8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official NorthStar website. For technical support, parts, or service inquiries, please contact NorthStar customer support. You can also find additional resources and frequently asked questions on the [NorthStar Store on Amazon](#).