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> NorthStar Gas Cold Water Pressure Washer Instruction Manual

NorthStar 1571343

NorthStar Gas Cold Water Pressure Washer Instruction Manual

Model: 1571343

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your NorthStar Gas Cold Water Pressure Washer. Please read this manual thoroughly before operating the unit to ensure proper use and to prevent injury or damage.

The NorthStar Gas Cold Water Pressure Washer is designed for heavy-duty cleaning tasks, featuring a powerful NorthStar e420 420cc engine and a Comet RW belt drive triplex plunger pump, delivering 4000 PSI and 3.5 GPM for effective dirt blasting.

SAFETY INFORMATION

Always observe basic safety precautions when using this pressure washer to reduce the risk of fire, electric shock, and personal injury.

- Read all instructions before using the appliance.
- Do not operate the unit without proper ventilation.
- Wear appropriate personal protective equipment, including eye protection.
- Ensure all connections are secure before starting the engine.
- Keep children and pets away from the operating area.

SETUP AND ASSEMBLY

Before first use, some assembly and preparation are required. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts are present according to the packing list.
2. **Wheel Assembly:** Attach the 15-inch flat-free tires to the axle. These durable tires provide enhanced portability.

3. **Handle Assembly:** Secure the handle to the main frame using the provided hardware.
4. **Hose Connection:** Connect the 50-foot Uberflex® non-marking hose to the pump outlet and the spray gun. Ensure connections are tight to prevent leaks.
5. **Engine Oil:** Fill the engine with the recommended type and amount of oil. The unit features oil drain cutouts for quick and clean oil changes.
6. **Fuel:** Fill the fuel tank with fresh, unleaded gasoline. The Electronic Fuel Injection (EFI) system optimizes fuel efficiency.
7. **Water Supply:** Connect a garden hose to the water inlet. Ensure the water supply is adequate and free of debris.



Figure 1: Overview of the NorthStar Pressure Washer with key components labeled, including the 3/8in. x 50ft. Uberflex non-marking hose, built-in downstream chemical injector, industrial-grade rear entry spray gun with 18 1/2in. quick-connect wand, easy start valve, 15in. commercial-duty flat-free tires, and rugged 13/8in. steel tube frame.



Figure 2: Close-up view of the "FUEL INJECTION" cover on the NorthStar e420 engine, highlighting the advanced Electronic Fuel Injection technology.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your pressure washer:

1. **Prepare the Area:** Clear the work area of any obstacles or items that could be damaged by high-pressure water.
2. **Connect Water Supply:** Ensure the garden hose is fully connected and the water faucet is turned on completely.
3. **Purge Air:** Squeeze the trigger on the spray gun to purge air from the pump and hose until a steady stream of water flows out. This also engages the Easy Start feature, preventing pressure buildup for smoother recoil pulling.
4. **Start the Engine:** Follow the engine manufacturer's instructions for starting. The NorthStar e420 engine with EFI technology ensures reliable starting.
5. **Select Nozzle:** Choose the appropriate quick-connect nozzle for your cleaning task. Different nozzles provide varying spray patterns and pressure levels.
6. **Begin Cleaning:** Hold the spray gun firmly and aim at the surface to be cleaned. Maintain a safe distance to avoid damage to the surface.
7. **Applying Detergent (Optional):** If using detergent, ensure it is compatible with pressure washers. Use the built-in downstream chemical injector for application.
8. **Shut Down:** When finished, turn off the engine, then turn off the water supply. Squeeze the spray gun trigger to release any remaining pressure in the system.

4,000 PSI STRENGTH

POWERFUL DIRT BLASTING



NORTHSTAR E420 ENGINE

420CC OF COMMERCIAL-GRADE POWER

Figure 3: The NorthStar Pressure Washer demonstrating its 4,000 PSI strength for powerful dirt blasting, powered by the NorthStar E420 engine, a 420cc commercial-grade power unit.

3.5 GPM FLOW

SPEED THROUGH CLEANING



50 FOOT UBERFLEX® HOSE

FLEXIBLE, DURABLE, NONMARKING

Figure 4: The NorthStar Pressure Washer showcasing its 3.5 GPM flow rate for speed through cleaning, and the included 50-foot Uberflex® hose, known for being flexible, durable, and non-marking.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your pressure washer.

- **Engine Oil:** Check engine oil level before each use. Change oil according to the engine manual's schedule. The unit features convenient oil drain cutouts.
- **Pump Oil:** Check pump oil level regularly. Refer to the pump manual for specific maintenance intervals and oil type.
- **Air Filter:** Inspect and clean or replace the air filter as needed, especially in dusty conditions.
- **Spark Plug:** Inspect and clean or replace the spark plug periodically.
- **Nozzles:** Clean clogged nozzles using the provided nozzle cleaning tool.
- **Hoses and Connections:** Inspect hoses for kinks, cuts, or leaks. Ensure all connections are tight.
- **Storage:** For long-term storage, drain all fuel from the tank and carburetor, and use a pump protector to prevent freezing and corrosion.

TROUBLESHOOTING

This section addresses common issues you might encounter with your pressure washer.

| Problem | Possible Cause | Solution |
|-----------------------|--|---|
| Engine will not start | No fuel; old fuel; spark plug issue; low oil; engine switch off. | Add fresh fuel; check spark plug; fill oil to proper level; turn engine switch to ON. |
| Low pressure | Clogged nozzle; insufficient water supply; air in pump; worn pump seals. | Clean nozzle; ensure full water flow; purge air from pump; contact service for pump repair. |
| Pulsating pressure | Air in pump; restricted water flow; clogged inlet filter. | Purge air; check water supply hose for kinks; clean inlet filter. |
| Water leaks | Loose connections; damaged O-rings; cracked hose. | Tighten connections; replace O-rings; replace damaged hose. |

For issues not listed or if solutions do not resolve the problem, please contact NorthStar customer support.

SPECIFICATIONS

Detailed specifications for the NorthStar Gas Cold Water Pressure Washer, Model 1571343:

Brand: NorthStar

Model Number: 1571343

Power Source: Fuel-powered (Gasoline)

Engine: NorthStar e420 420cc with Electronic Fuel Injection

Pump: Comet RW belt drive triplex plunger pump with thermal protection and ceramic plungers

Maximum Pressure: 4000 PSI (Pound per Square Inch)

Maximum Flow Rate: 3.5 GPM (Gallons Per Minute)

Hose: 50-foot Uberflex® non-marking hose

Tires: 15-inch commercial-duty flat-free tires

Frame: Rugged 13/8in. steel tube frame

Item Weight: 270 Pounds

Product Dimensions: 50.5"L x 2.5"W x 26.25"H

Color: Black

UPC: 840321747242

ASIN: B0CS3SS52F

WARRANTY AND SUPPORT

NorthStar products are built for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official NorthStar website. Protection plans are also available for extended coverage.

For technical assistance, parts, or service inquiries, please contact NorthStar Customer Support. Have your model number (1571343) and serial number ready when contacting support.

You can visit the [NorthStar Store on Amazon](#) for more information and product offerings.

