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NorthStar 268171

NorthStar Broadcast Sprayer Kit Model 268171 Instruction Manual

Model: 268171 | Brand: NorthStar

INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your NorthStar Broadcast Sprayer Kit, Model 268171. This kit is designed to work specifically with the NorthStar 200-Gallon Skid Sprayer (Item# 268170) to provide a wide broadcast spray pattern. It features a remote control for spray activation and deactivation while driving, and is powered by a 12V source.

SAFETY INFORMATION

WARNING: Read and understand all safety warnings and instructions before operating this product. Failure to follow these instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including eye protection, gloves, and protective clothing, when handling chemicals and operating the sprayer.
- Refer to the chemical manufacturer's instructions and safety data sheets (SDS) for proper handling, mixing, and application procedures.
- Ensure the sprayer kit is securely mounted to the main sprayer and vehicle before operation.
- Do not operate the sprayer near open flames, sparks, or other ignition sources, especially when using flammable chemicals.
- Keep children and pets away from the operating area.
- Disconnect power before performing any maintenance or adjustments.
- Do not exceed the maximum operating pressure or flow rate specified for the sprayer.

PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning assembly. If any parts are missing or damaged, contact NorthStar customer service.

- Broadcast Sprayer Kit Assembly

- Solenoid with Remote Switch and 28-ft. Cord
- Nozzles (Left/Right Broadcast)
- Mounting Hardware
- Instruction Guide (this manual)
- Additional components may include: Battery Charger, Cleaning Kit, Gun Lubricant, Measuring Cap, Nozzle Adapter, Replacement Seal, Shoulder Strap, Strainer, Viscosity Cup (Note: Some of these items are typically for the main sprayer, not the broadcast kit itself, but are listed in the product's included components.)



Image: Components of the NorthStar Broadcast Sprayer Kit, including hoses, pump, and mounting bracket.

SETUP

1. **Mounting the Kit:** Securely attach the broadcast sprayer kit to the NorthStar 200-Gallon Skid Sprayer (Item# 268170) using the provided mounting hardware. Ensure all bolts are tightened to prevent movement during operation. The kit is designed for adjustable height.
2. **Hose Connections:** Connect the kit's hoses to the appropriate outlets on the main 200-gallon skid sprayer. Ensure all connections are tight to prevent leaks.
3. **Electrical Connection:** Connect the 12V power cable from the broadcast kit to a compatible 12V power source, such as a vehicle battery or power adapter. Ensure the connection is secure and free from corrosion.
4. **Remote Control Setup:** Connect the 28-ft. remote control cord to the solenoid on the broadcast kit and route it to the vehicle's cabin for easy access during operation.



Image: The broadcast sprayer kit securely mounted to the rear of a truck, connected to the main skid sprayer unit.

OPERATING INSTRUCTIONS

1. **Fill Main Sprayer:** Ensure the NorthStar 200-Gallon Skid Sprayer (Item# 268170) is filled with the desired liquid solution according to chemical manufacturer instructions.
2. **Power On:** Turn on the main power to the 200-gallon skid sprayer's pump.
3. **Activate Broadcast Spray:** Use the remote control switch from your vehicle's cabin to activate the broadcast spray. The kit delivers a spray width up to 36 feet.
4. **Perimeter Spraying:** For targeted application or perimeter spraying, utilize the left/right broadcast nozzle control. This allows you to spray only from one side as needed.
5. **Monitor Spray Pattern:** Periodically check the spray pattern to ensure even coverage and proper nozzle function. Adjust vehicle speed and pressure as necessary.
6. **Deactivate Spray:** When finished or moving between areas, use the remote control switch to turn off the spray.



Image: The broadcast sprayer kit actively spraying a wide area behind a truck, demonstrating its operational use.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your broadcast sprayer kit.

- **After Each Use:**

- Flush the entire system with clean water to remove chemical residues.
- Clean nozzles thoroughly to prevent clogging.
- Inspect hoses and connections for leaks or damage.

- **Seasonal Storage:**

- Drain all liquids from the system.
- Run RV antifreeze through the pump and lines to prevent freezing damage.
- Store the kit in a dry, protected area.

- **General Inspection:** Periodically check electrical connections for corrosion and ensure all mounting hardware remains tight.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No spray or weak spray	Clogged nozzles, low pressure from main sprayer, kinked hose, electrical issue with solenoid.	Clean nozzles, check main sprayer pump and pressure settings, inspect hoses, verify remote control and solenoid function.
Uneven spray pattern	Partially clogged nozzles, damaged nozzles, incorrect height adjustment.	Clean or replace nozzles, adjust kit height for optimal coverage.
Remote control not working	Loose electrical connection, faulty remote switch or solenoid.	Check all electrical connections, test remote switch and solenoid.
Leaks from connections	Loose fittings, damaged O-rings or seals.	Tighten all fittings, inspect and replace damaged O-rings or seals.

SPECIFICATIONS

Feature	Detail
Model Number	268171
Compatibility	NorthStar 200-Gal. Skid Sprayer (Item# 268170)
Broadcast Spray Width	Up to 36 feet
Control	Solenoid with remote switch and 28-ft. cord
Nozzle Control	Left/right broadcast nozzle control for perimeter spraying
Height	Adjustable
Power Source	12V (Battery Powered)
Material	Metal, Plastic
Item Weight	15.8 pounds
Package Dimensions	33 x 6 x 5 inches

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact NorthStar customer service. Keep your purchase receipt and model number (268171) handy when contacting support.

NorthStar Customer Service: Refer to the contact information provided with your original NorthStar 200-Gallon Skid Sprayer (Item# 268170) or visit the official NorthStar website.

